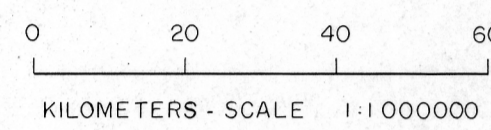
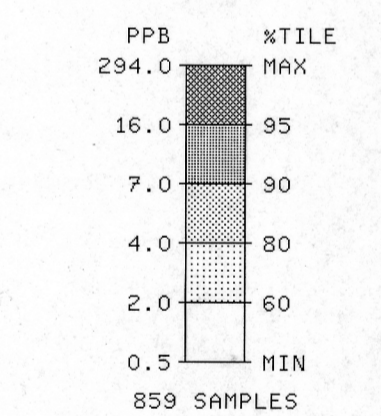
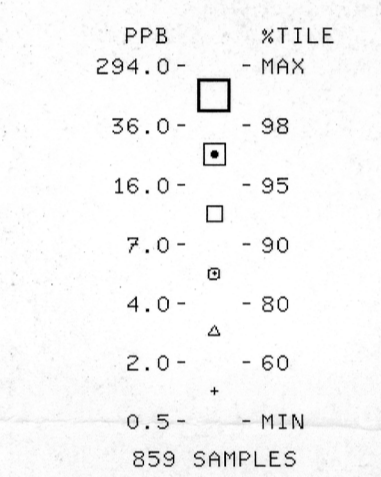


REGIONAL TREND MAP



GOLD IN STREAM SEDIMENTS



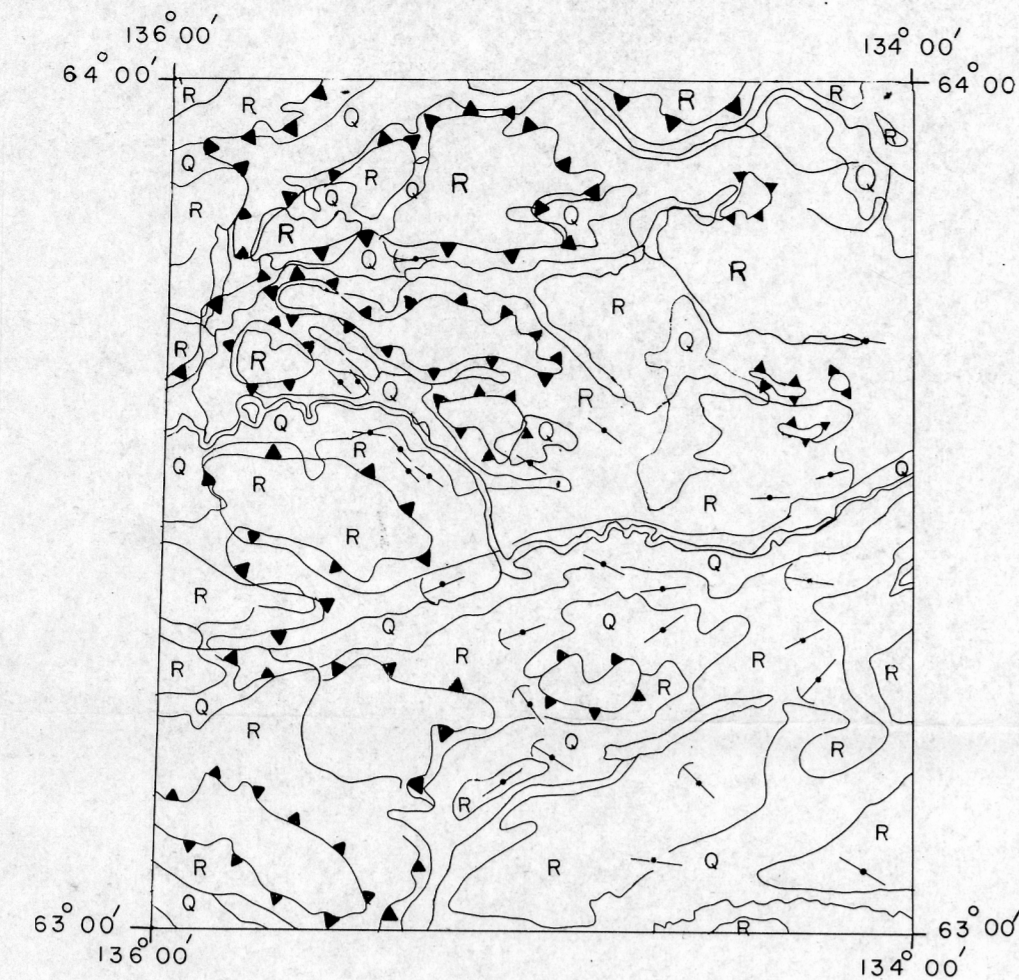
GSC OPEN FILE 1962  
CANADA - YUKON  
MINERAL DEVELOPMENT  
AGREEMENT (1985-1989)

Contribution to the Canada/Yukon Subsidiary Agreement on Mineral Resources 1985-1989 under the Canada/Yukon Economic Development Agreement

Contribution à l'Entente auxiliaire Canada/Yukon sur l'exploitation minière 1985-89 dans le cadre de l'Entente Canada/Yukon sur le développement économique.



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SURFICIAL GEOLOGY

SURFICIAL GEOLOGY

- Q Undivided surficial deposits, includes unconsolidated gravels, sands, silt, alluvium, colluvium, till, glaciofluvial deposits, kames, eskers and outwash deposits
- R Bedrock; includes discontinuous veneer of undivided glacial drift

SYMBOLS

- Surficial deposit boundary .....
- Limit of ice advance .....
- Major meltwater channels, indicating direction of flow .....
- Drumlinoid form; direction of glacial movement inferred, not inferred .....

Sources of information:

- Bostock, H.S. (1947) Geology - Mayo, Yukon Territory; Geological Survey of Canada, Map 890A, Scale 1: 253,440
- Hughes, O.L., Campbell, R.B., Muller, J.E., and Wheeler, J.O. (1969) Glacial Map of Yukon Territory - South of 65 degrees north latitude; Geological Survey of Canada Map 6-1968; Scale 1: 1,000,000
- Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada Map 1253A; Scale 1: 5,000,000

GEOLOGICAL SURVEY OF CANADA  
MINERAL RESOURCES DIVISION  
EXPLORATION GEOCHEMISTRY SUBDIVISION

CONTRACTORS

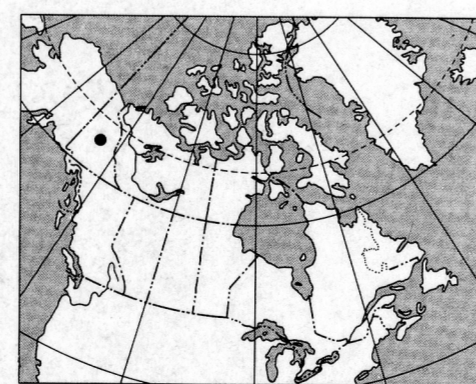
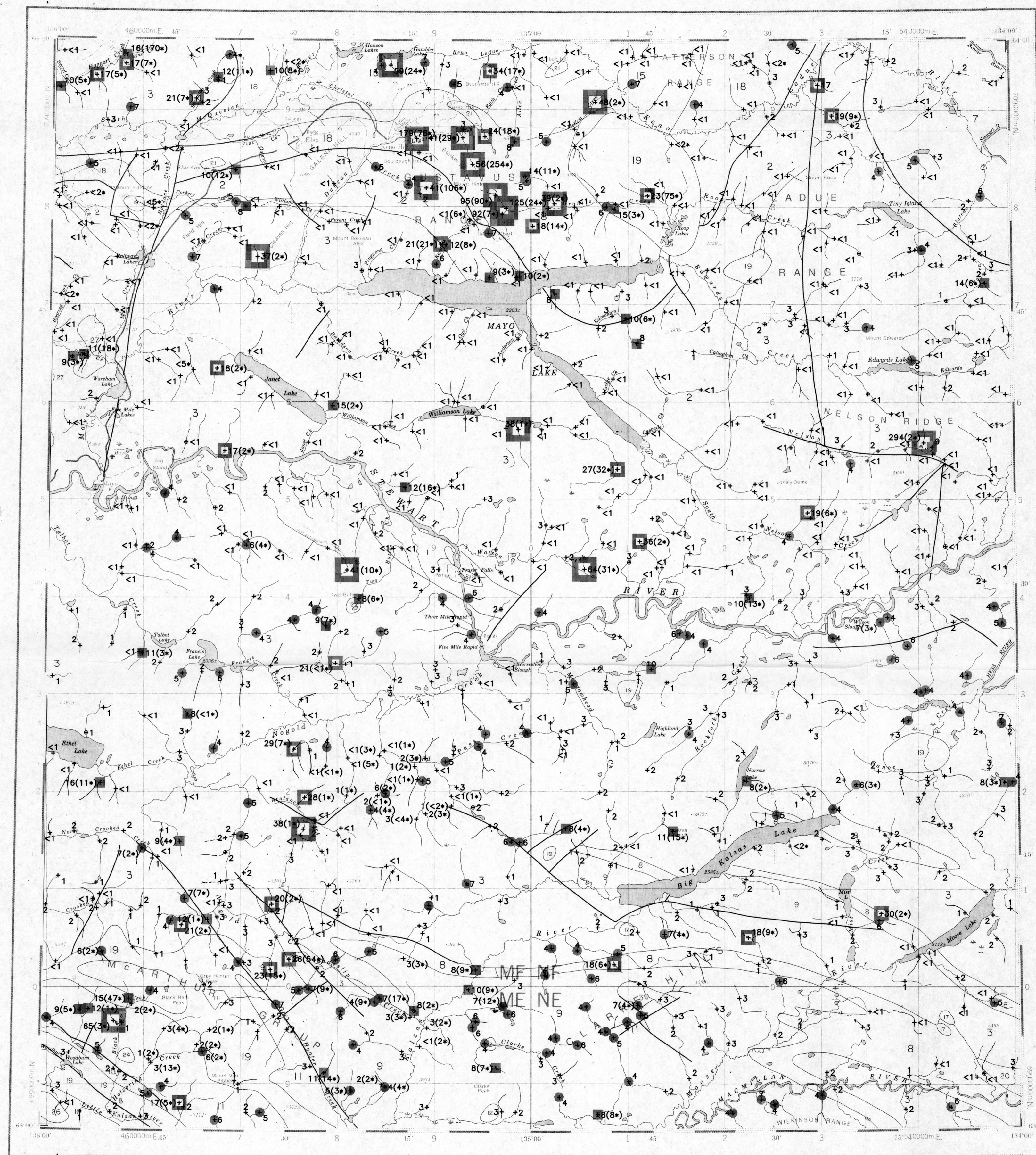
- Collection: Northway Map Technology, Ltd., Don Mills, Ontario
- Preparation: Golder Associates, Ottawa
- Sediment Analysis: Bondar-Clegg and Company Ltd., Ottawa  
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- Water Analysis: Chemex Labs Limited, Vancouver
- Cartography: GSC - Geological Information Division  
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- Reproduction: Ashley Reproductions Ltd., Ottawa
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Publications Distribution  
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Tel.: (613) 995-4342

CONCENTRATION	FREQUENCY
37 to 294	N= 17 ( 2.0%)
17 to 36	N= 26 ( 3.0%)
8 to 16	N= 43 ( 5.0%)
4 to 7	N= 135 (15.7%)
0 to 3	N= 640 (74.3%)

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GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA

NTS 105M



INDEX MAP - LIEU DE LA CARTE

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REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 125-88  
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MINERAL DEVELOPMENT AGREEMENT (1985 - 1989)  
STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY  
CENTRAL YUKON, 1988

Scale 1:250 000 - Échelle 1/250 000  
Kilometres 0 5 10 20 Kilomètres  
Universal Transverse Mercator Projection / Projection transverse universelle de Mercator  
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116 A	106 D	106 C
O.F. 519	O.F. 518	
116 P	105 M	105 N
O.F. 1650	O.F. 1962	
	NGR 125-	
	1988	
116 I	105 L	105 K
O.F. 1220	O.F. 1981	
	NGR-124-	
	1988	

NATIONAL TRANSVERSE MERCATOR SYSTEM REFERENCE AND GUIDE TO ACCURATE GEOLOGICAL SURVEY OF CANADA MAPS

GOLD (ppb)  
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LEGEND

- QUATERNARY
  - PLEISTOCENE AND RECENT
    - 29 Qs 64\* Glacial and surficial deposits
    - 28 Rs 64 SELKIRK GROUP: basalt, andesite flows, breccia, tuff
- TERTIARY
  - MIOCENE
    - 27 Mvr 61 Rhyolite, trachyte
  - LATE TERTIARY
    - 26 Ltg 61 Rhyolite porphyry, granite, granodiorite
  - OLIGOCENE AND MIOCENE
    - 25 OMCV 60 CARMACKS GROUP: andesite, basalt, breccia
  - EARLY TERTIARY
    - 24 Etf 59 Granite and syenite porphyry, rhyolite
  - LOWER TERTIARY
    - 23 ITS 58 Conglomerate, sandstone, shale
- CRETACEOUS
  - 22 Ky 52 Syenite, monzonite
  - 21 Kg 52 Granite
  - 20 Ksf 52 SOUTH FORK: andesite, dacite, basalt
  - 19 Kqm 52 Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alkaskite
- JURASSIC AND CRETACEOUS
  - 18 JKH 51 KENO HILL: quartzite (may be older)
  - 17 Jkd 51 Diorite, hornblende diorite
  - 16 Jkb 51 Gabbro, diorite, some ultramafic rocks
- JURASSIC
  - 15 Jp 47 Graphitic phyllite, quartzite, greenstone
- MESOZOIC
  - 14 Mcg 41 Conglomerate, chert, tuff
  - 13 Mvd 41 Andesite, trachyte
- PALEOZOIC
  - 12 Ps 36 Greywacke, argillite, limestone; includes local basic volcanics and volcanoclastic sediments
- CARBONIFEROUS AND PERMIAN
  - 11 CPAV 35 ANVIL RANGE GROUP: andesite, basalt, slate, chert, limestone
  - 10 CPsn 35 Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX
- DEVONIAN AND MISSISSIPPIAN
  - 9 DMCP 29 CRYSTAL PEAKS: chert pebble conglomerate
- DEVONIAN
  - 8 DEI 25 EARN GROUP (lower): slate, quartzite, limestone
- ORDOVICIAN, SILURIAN AND LOWER DEVONIAN
  - 7 OSDR 19 ROAD RIVER: black graptolitic shale, chert
- PALEOZOIC
  - 6 PgdN 09 PELLY GNEISS: foliated to gneissic granodiorite
  - 5 Pc 09 Limestone
- HADRYNIAN
  - 4 Hc 07 Crystalline limestone
  - 3 Hqp 07 Gritty quartzite, argillite, shale, phyllite
  - 2 Hpq 07 Graphitic phyllite, quartzite
  - 1 Hv 07 Greenstone

SYMBOLS

- Geological boundary .....
- Fault .....
- Single analysis, 10g sample weight ..... +27
- Single analysis, <10g sample weight ..... +27\*
- Repeat analysis, both samples 10g ..... +27 (14)
- Repeat analysis, first sample 10g, repeat <10g ..... +27 (14\*)
- Single analysis, 10g sample, less than detection limit of 1 ppb ..... +<1
- Field duplicate site .....

Geology base and legend are derived from:

Gabrielse, H., Tempelman-Kluit, D.J., Blusson, S.L., and Campbell, R.B., (1980) Map 1398A, MacMillan River, Yukon - District of Mackenzie - Alaska, NTS Map area 105, Geological Survey of Canada: Energy, Mines and Resources Canada, Scale 1:1,000,000

Elevation in feet above mean sea level

Magnetic declination at the center of the map area (63°30'N; 135°E) in 1989 is 31°28'E decreasing 12.5' annually. Magnetic declination ranges from 30°36'E, decreasing 11.8' annually, in the southwest corner of the map area, to 31°43'E, decreasing 12.3' annually, in the northeast corner of the map area.

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