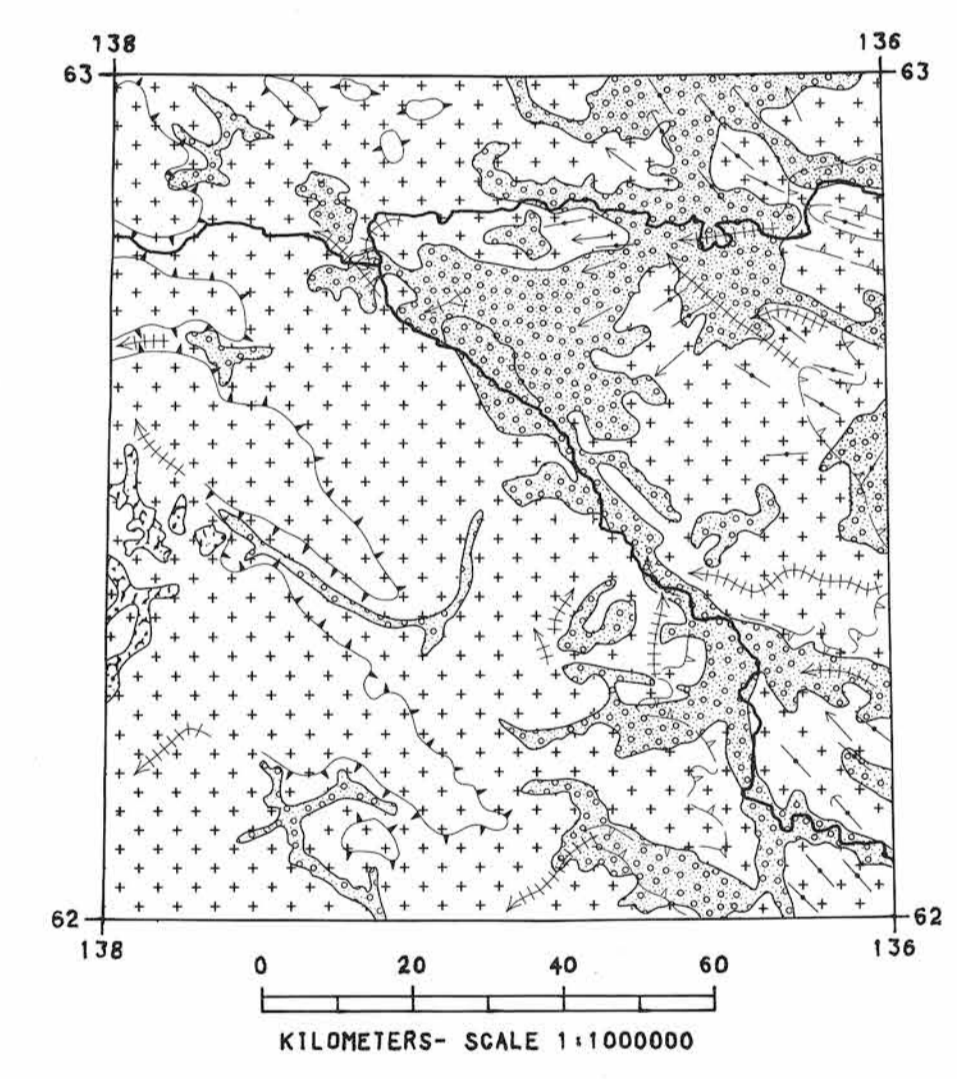


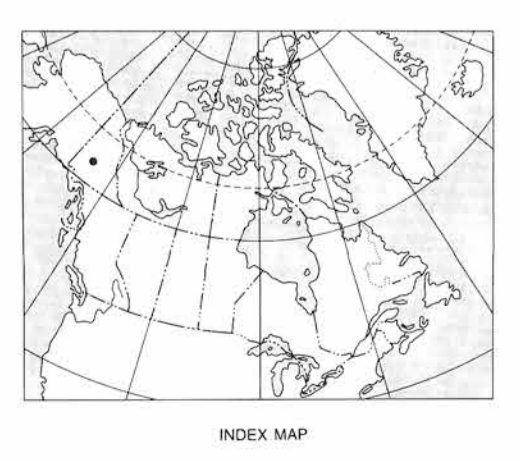
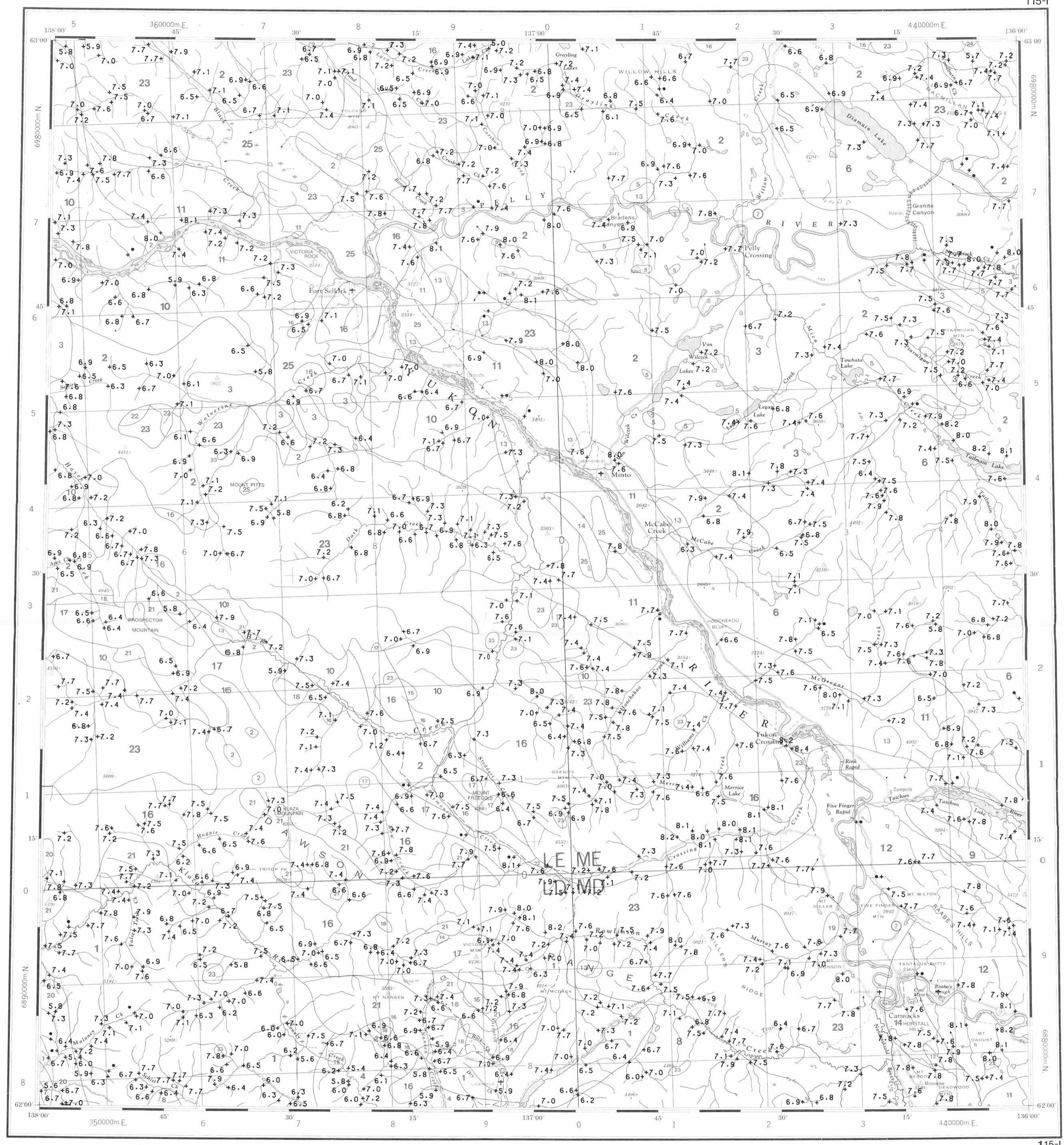
The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function (1/d<sup>2</sup>) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.



- Undivided surficial deposits; alluvium, glacial till and moraine, outwash and ice contact deposits, volcanic ash, loess, colluvium
- Glaciers and permanent snowfields
- Bedrock exposures; includes discontinuous veneer of undivided glacial drift

- SYMBOLS**
- Surficial deposit boundary . . . . .
  - Limit of Pre-Reid ice advance . . . . .
  - Limit of McConnell (Ruby) ice advance . . . . .
  - Meltwater channels, outwash deposits, indicating direction of flow . . . . .
  - Glaciation lineation parallel to ice flow direction, includes fluting, crag and tail, roches moutonnées and drumlinoid forms, direction of flow indicated . . . . .
  - Drumlinoid form, direction of movement inferred, not inferred . . . . .

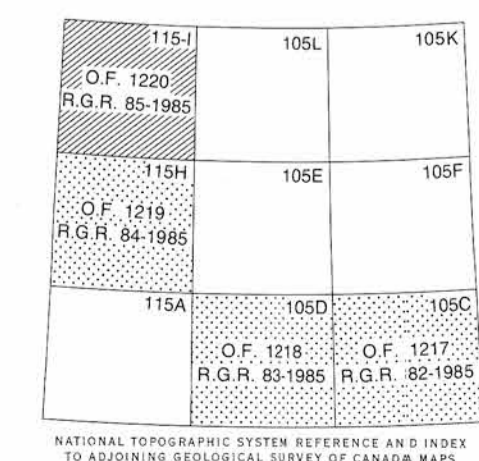
Sources of information:  
 Bostock, H.S. (1936) Geology - CARMACKS SHEET, Yukon Territory, Canada Department of Mines, Bureau of Economic Geology, Geological Survey, Map 340A (1:253,440 scale)  
 Hughes, O.L., Campbell, R.B., Muller, J.E., and Wheeler, J.O. (1968) Glacial Map of Yukon Territory, Geological Survey of Canada, Map 6-1968, (1:1 000 000 scale) to accompany GSC Paper 68-34  
 Prest, V.K., Grant, D.R., and Rampton, V.N. (1967) Glacial Map of Canada, Geological Survey of Canada (1:5 000 000 scale)



**pH in water**  
 GSC OPEN FILE 1220  
 REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 85-1985  
 CANADA-YUKON  
 MINERAL DEVELOPMENT AGREEMENT (1984-89)  
 STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY  
 SOUTHERN YUKON TERRITORY, 1985  
 Scale 1:250 000

Elevation in feet above mean sea level  
 Mean magnetic declination 1986, 30°25' East, decreasing 13.6' annually. Readings vary from 30°14' E in the SE corner to 30°36' E in the NW corner of the map area

Base map at the same scale published by the Surveys and Mapping Branch in 1974  
 Streams were revised by the Geological Survey of Canada for this edition



**LEGEND**

QUATERNARY	RECENT	SELKIRK GROUP		
25	RS 64*	Basalt, andesite flows, breccia, tuff		
TERTIARY	LATE TERTIARY	24	LTG 62	Rhyolite porphyry, granite, granodiorite
OLIGOCENE AND MIOCENE	CARMACKS GROUP	23	OMCV 60	Andesite, basalt, breccia
OLIGOCENE	CARMACKS GROUP	22	OCS 60	Conglomerate, sandstone, shale
Eocene	MOUNT NANSEN GROUP	21	EMN 59	Acid to intermediate tuff, breccia
LOWER TERTIARY	20	TFP 58	Feldspar porphyry dykes, flows	
19	TVB 58	Basalt		
EARLY TERTIARY	18	ETF 57	Granite and syenite porphyry, rhyolite	
CRETACEOUS	17	KY 52	Syenite, monzonite	
16	KQM 52	Quartz monzonite, granodiorite; CASSIAR quartz monzonite, alaskite		
JURASSIC AND CRETACEOUS	DEZADEASH GROUP	15	JKD 51	Argillite, greywacke, conglomerate, volcanics
14	JKT 51	TANTALUS: Conglomerate, siltstone, arkose, coal		
13	JKDI 51	Diorite, hornblende diorite		
JURASSIC	LABERGE GROUP	12	JL 47	Greywacke, arkose, conglomerate
TRIASSIC	11	TV 42	Basaltic greenstone	
10	TGDN 42	Foliated hornblende granodiorite, quartz		
UPPER TRIASSIC	LEMES RIVER GROUP	9	UTC 45	Limestone
MESOZOIC UNDIVIDED	8	MQM 41	Porphyritic quartz monzonite	
7	MGD 41	Granodiorite, quartz monzonite		
6	MGDN 41	Foliated hornblende granodiorite, quartz monzonite		
PALEOZOIC UNDIVIDED	5	PC 09	Limestone	
4	PM 09	Amphibolite, schist, gneiss		
3	PGDN 09	PELLY GNEISS: Foliated to gneissic granodiorite		
CARBONIFEROUS AND PERMIAN	2	CPSN 35	Schist, gneiss, includes BIG SALMON METAMORPHIC COMPLEX	
HADRYNIAN AND CAMBRIAN	1	HCSN 08	Schist, gneiss, quartzite	

\*A mnemonic code assigned to rock types and recorded as part of field observations

Geological boundary . . . . .  
 Fault . . . . .  
 No analytical result . . . . .

Geological base and legend are derived from: Map 1398A, MACMILLAN RIVER, YUKON - DISTRICT OF MACKENZIE - ALASKA, NTS SHEET 105, 115. Compiled by H. Gabrielse, D.J. Templeman-Kluit, S.L. Blusson and R.B. Campbell, Geological Survey of Canada, Energy, Mines and Resources Canada, 1980. 1:1 000 000 scale