

GSC Open File 5694 - YGS Open File 2008-4  
 Stream Sediment and Water Sample Locations  
 Sheldon Lake area, east-central Yukon  
 (NTS 105J)

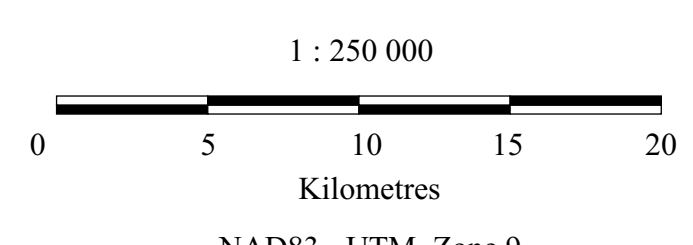
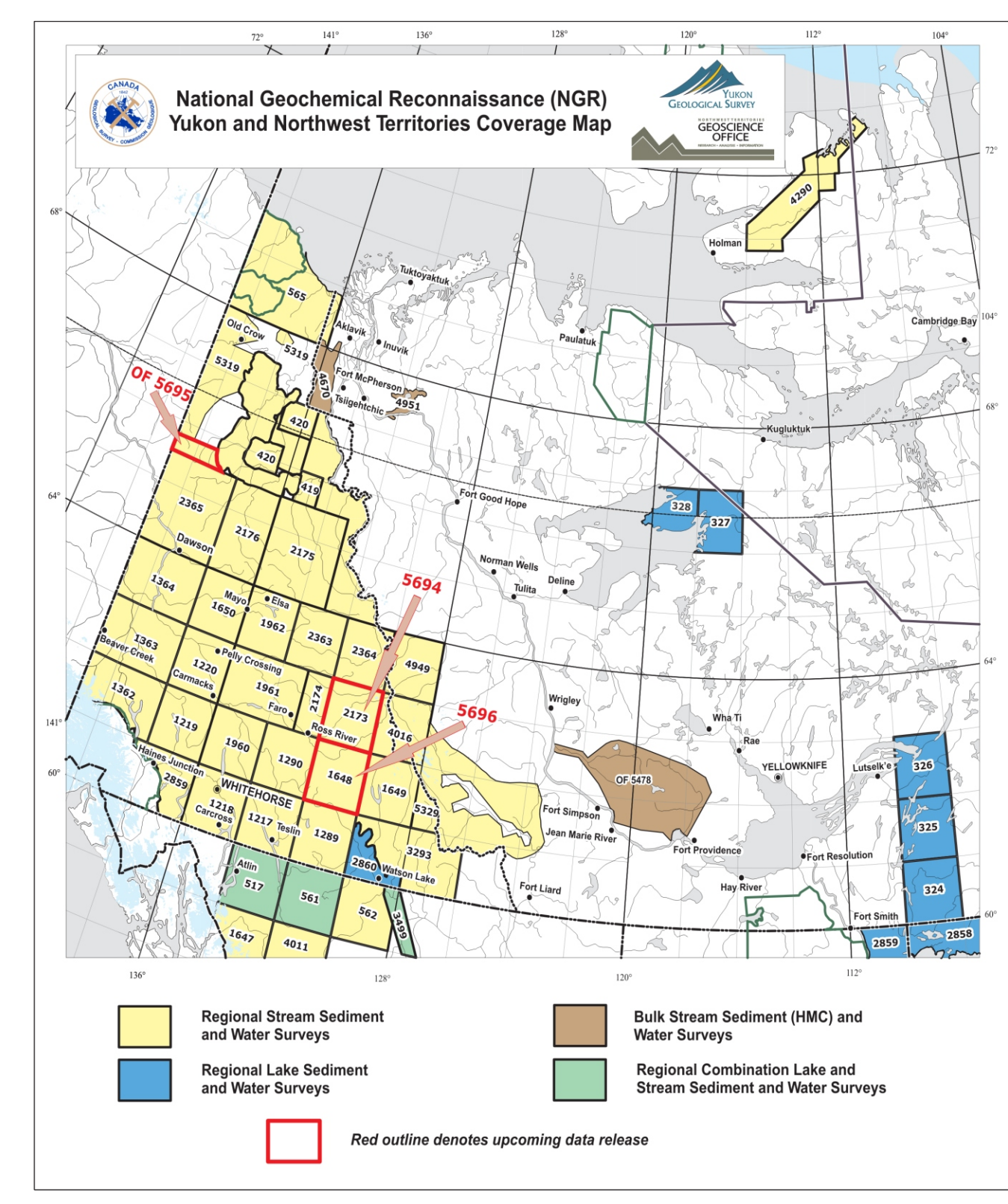
During the field season of 1989, staff of the Geological Survey of Canada carried out a helicopter-supported regional stream silt sediment and water survey in an area centred roughly 300 km northeast of Whitehorse. NTS map sheet 105J was sampled at a target density of 1 site per 13 km<sup>2</sup>. In all, 886 sites were sampled yielding 939 silt and 902 water samples from 11,420 km<sup>2</sup>.

Analytical data, for up to 50 elements including loss-on-ignition in stream silts and 3 variables for waters, as well as site specific field observations are contained in the accompanying data listings. Descriptions of sample collection, preparation and analytical methods are detailed in the preface of this open file.

At the time of collection, all samples are assigned a unique-id composed of the National Topographic System (NTS) mapsheet, year of collection and a sequential four digit number. Due to space restrictions on the sample location map this unique-id is shortened to a four-digit sequence number.

For example, routine sample 1004 collected from NTS 105J in 1989 is assigned a unique-id of 105J\_1989\_1004 and appear on the map as •1004

Samples collected as a field duplicate pair appear with a slash (/) separating the two sample numbers. For example, the field duplicate pair of 105J\_1989\_1002 and 105J\_1989\_1003 appear on the sample location map as •1002/1003



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Geology Legend

- Quaternary
  - Q silt/sand/gravel/ash
- Lower Tertiary, mostly(?) Eocene
  - ITR basalt/flows/neck/dykes/shale/conglo
- mid-Cretaceous
  - mKS quartz monzonite/granodiorite/quartz diorite/syenite/granite/quartz monzonite/granodiorite/dykes??
  - KSF crystal tuff
- Lower Cretaceous
  - KS sandstone/conglomerate
- Middle to Upper Triassic
  - Trj shale/argillite/sandstone/limestone
- Carboniferous to Permian
  - CPMC chert/shale/siltstone/quartzite/limestone/dolostone/barite
- Mississippian
  - MT limestone
- Upper Devonian and Mississippian
  - DME siltstone/sandstone/conglo/barite/limestone
- Ordovician to Lower Devonian
  - ODR shale/chert/siltstone/limestone/conglomerate
- Upper Cambrian and Ordovician
  - COR chert/siltstone/phyllite/limestone/conglo/flow/breccia/tuff/slate
- Lower Cambrian
  - ICG mudstone/shale/siltstone/phyllite/schist/chert/sandstone/conglo/limestone
- Upper Proterozoic
  - PCH phyllite/shale/sandstone/grit/conglomerate/limestone/marble

Geology base clipped from: *Geology, S.P. and Makepeace, A.J. (comp.) 1999: Yukon bedrock geology in Yukon digital geology, S.P. Gorley and J.J. Makepeace (comp.). Geological Survey of Canada Open File D3826 and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D)*

Minfile	Primary Names	Status	Primary Commodities	Deposit Type
105J001	FULLER	ANOMALY		Unknown
105J002	BILL	SHOWING	LEAD + ZINC	Polymetallic Veins Ag-Pb-Zn±/Au
105J003	PIKE	DEPOSIT	COPPER, SILVER	Cu±/Ag Quartz Veins
105J004	NORKEN	DRILLED PROSPECT	COPPER, LEAD, SILVER, ZINC	Polymetallic Veins Ag-Pb-Zn±/Au
105J005	BIG TIMBER	ANOMALY		Unknown
105J006	TAC	ANOMALY	COPPER, MOLYBDENUM	Porphyry Mo (Low F-Type)
105J007	DRAGON	DRILLED PROSPECT	COPPER, GOLD, SILVER, TUNGSTEN	W Skarn
105J008	MT SHELDON	SHOWING	COPPER, GOLD, TIN, TUNGSTEN	Unknown
105J009	RIDDELL	DRILLED PROSPECT	COPPER, LEAD + ZINC	Pb-Zn Skarn
105J010	SPEARHEAD	SHOWING	COPPER	Polymetallic Veins Ag-Pb-Zn±/Au
105J011	IVOR	PROSPECT	SILVER	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
105J012	ROG	DRILLED PROSPECT		Sedimentary Exhalative Zn-Pb-Ag (Sedex)
105J013	CLYDE	PROSPECT	LEAD, ZINC	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
105J014	PREVOST	PROSPECT	TUNGSTEN	W Skarn
105J015	GUN	SHOWING	COPPER, ZINC	Pb-Zn Skarn
105J016	ITSI	DRILLED PROSPECT	LEAD, SILVER, TIN, ZINC	Mantos & Stockwork Sn
105J017	COSTIN	SHOWING	LEAD, SILVER, ZINC	Polymetallic Veins Ag-Pb-Zn±/Au
105J018	CAROLYN	UNKNOWN	COAL	Coal
105J019	VARISCITE	SHOWING	COPPER	Cu Skarn
105J020	MACRAE	ANOMALY		Unknown
105J021	SYNDICATE	UNKNOWN		Unknown
105J022	RICH	ANOMALY		Unknown
105J023	PETE	DRILLED PROSPECT	BARITE	Sediment-Hosted Barite
105J024	COCO	SHOWING	BARITE	Sediment-Hosted Barite
105J025	ST GODARD	SHOWING	BARITE	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
105J026	PRISM	UNKNOWN		Unknown
105J027	MARILYN	UNKNOWN		Unknown
105J028	BOJO	ANOMALY		Unknown
105J029	HENCH	DRILLED PROSPECT	LEAD, SILVER, ZINC	Pb-Zn Skarn
105J030	MARYLOU	PROSPECT	LEAD, SILVER, ZINC	Pb-Zn Skarn
105J031	GREGGIE	ANOMALY		Unknown
105J032	CANAL	ANOMALY		Unknown
105J033	FORTIN	UNKNOWN	GOLD	Unknown
105J034	DYAK	ANOMALY		Sedimentary Exhalative Zn-Pb-Ag (Sedex)
105J035	SASK	SHOWING	COPPER, MOLYBDENUM	Mo Skarn
105J036	GULF	SHOWING	COPPER, TUNGSTEN	W Skarn
105J037	RUDY	UNKNOWN		Unknown
105J038	FLOOD	ANOMALY		Epithermal Au-Ag: Low Sulphidation
105J039	WENDY	SHOWING	GOLD, SILVER	Au-Quartz Veins
105J040	NARL	SHOWING		Pb-Zn Skarn
105J041	LIBERAL	UNKNOWN		Unknown
105J042	PANDORA	UNKNOWN		Unknown
105J043	VG	SHOWING	GOLD, SILVER	Au-Quartz Veins



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 2008. Regional Stream Sediment and Water Geochemical Data, Sheldon Lake area, east-central Yukon (NTS 105J) Geological Survey of Canada, Open File 5694 / Yukon Geological Survey Open File 2008-4, 1 CD-ROM