



GSC Open File 6272 - YGS Open File 2009-27
Regional Stream Sediment and Water Geochemical Data, Lansing Range area,
east central Yukon (NTS 105N)

Sample Location Map

During the field season of 1990, staff of the Geological Survey of Canada carried out a helicopter-supported regional stream silt sediment and water survey in an area centred roughly 170 km north of Ross River. NTS map sheet 105N was sampled at a target density of 1 site per 13 km². In all, 783 sites were sampled yielding 829 silt and 816 water samples from 11,300 km².

Analytical data, for up to 49 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.

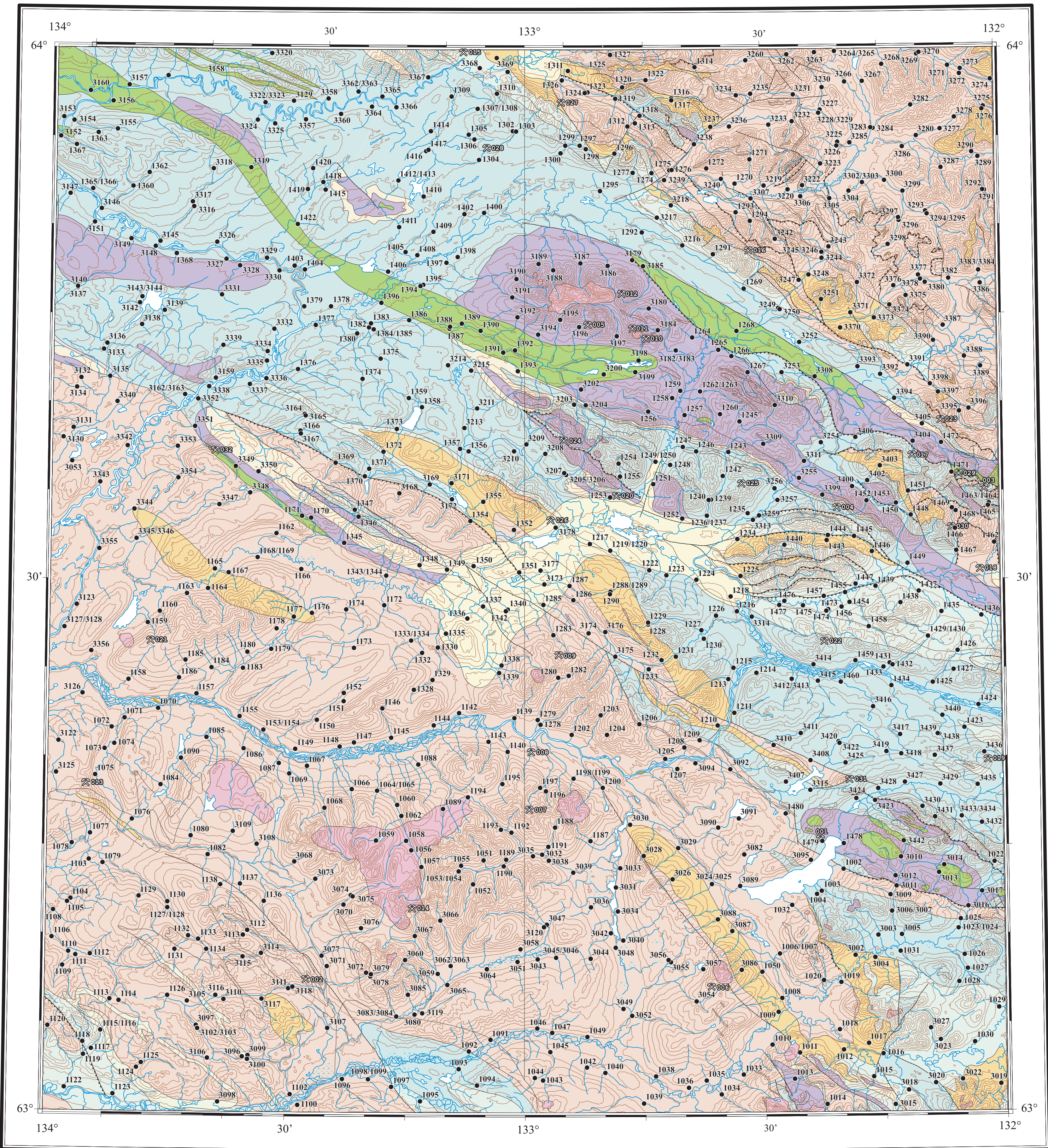
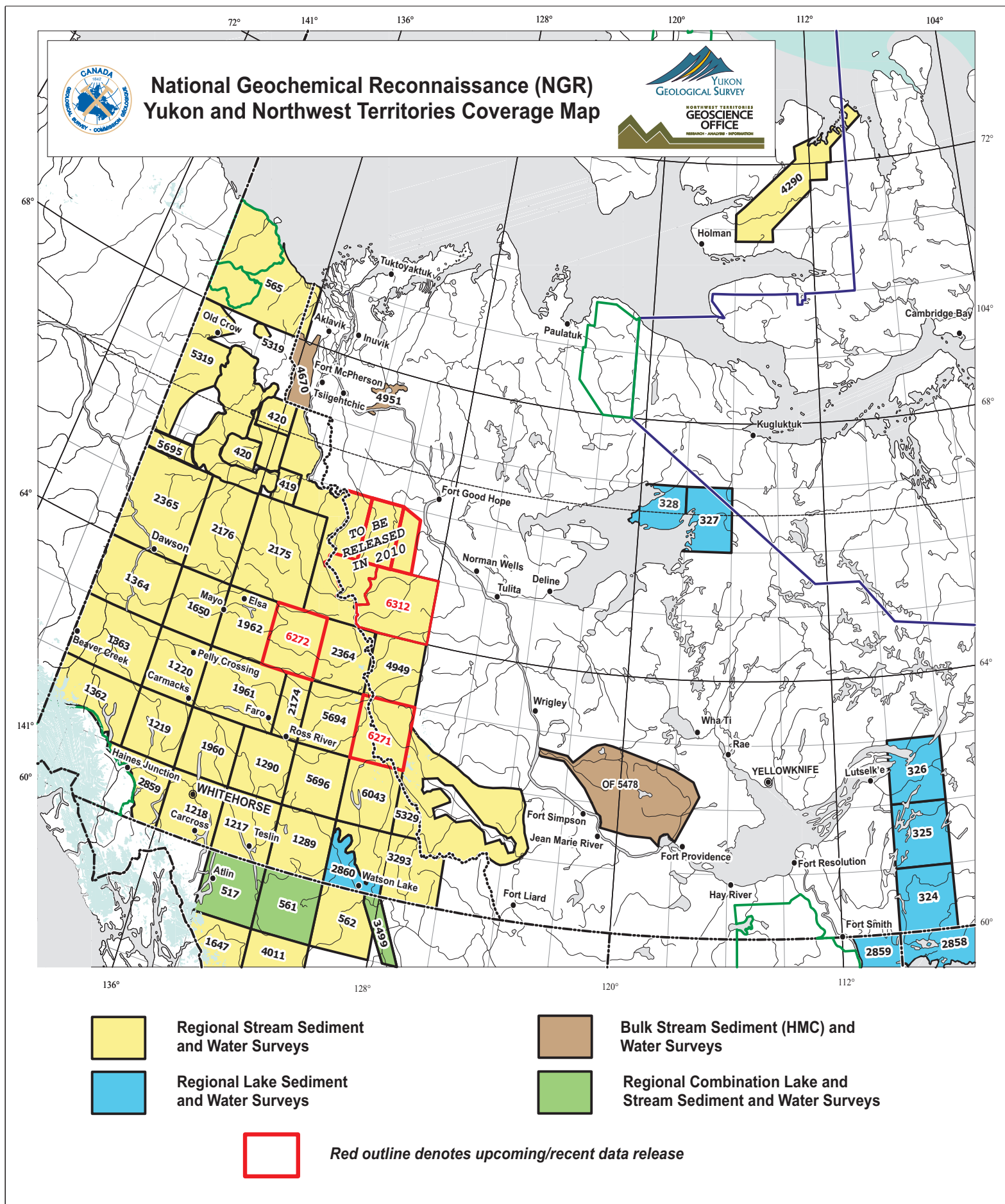
For example, routine sample 1002 collected from NTS 105N in 1990 is assigned a unique-id of 105N_1990_1002 and appear on the map as ● 1002

Samples collected as a field duplicate pair appear with a slash (/) separating the two sample numbers. For example, the field duplicate pair of 105N_1990_1006 and 105N_1990_1007 appear on the sample location map as ● 1006/1007

The base map used in this publication was combined from Yukon Digital Geology (Gorley and Makepeace, 1999) and the National Topographic System of Canada 1:250,000 scale topographic map 105N. Mineral occurrences located within NTS 105N were extracted from Yukon Minfile (Deklerk and Traynor, 2008) and plotted. These mineral occurrences appear with a "crossed-hammers" symbol and a three digit Min_ID index which also appears in the Mineral Occurrence Table.

For example, the "Hugo" mineral occurrence, with MIN_ID of "001" appears on the Sample Location Map as: ⚡

Mineral Occurrences extracted from:
Deklerk, R. and Traynor, S. (compilers)
2008 Yukon MINFILE 2007 - A database of mineral occurrences. Online at:
www.geology.govyc.ca/databases_gsc.html



Geology Legend

- Quaternary
Q silt/sand/gravel/ash
- mid-Cretaceous
mKS quartz monzonite/granodiorite/quartz diorite/syenite/granite/quartz monzonite/granodiorite/dykes
mKT syenite/quartz syenite/granite/monzogranite/clinopyrox/lingulate/granite/quartz monzonite/granodiorite
- Middle to Upper Triassic
TtJ shale/argillite/siltstone/limestone
- Triassic
TrG diorite/gabbro/sills/greenstone
- Carboniferous to Permian
CPMC chert/shale/siltstone/quartzite/limestone/dolomite/barite
- Mississippian
MK shale/quartzite
MT limestone
- Devonian and Mississippian
DME mudstone/siltstone/chert/sandstone/argillite/conglo/flows/tuffs/plugs/barite/limestone
- Ordovician to Lower Devonian
ODR shale/chert/siltstone/limestone/conglomerate/dolomite
- Cambrian to Silurian
CSM sandstone/basalt/conglomerate/argillite/volcanic/tuff/limestone/flows/tuffs/breccia/rhyolite
- Upper Cambrian and Ordovician
COR limestone
- Lower Cambrian
ICG argillite/mudstone/shale/siltstone/phylite/schist/volcanic/chert/sandstone/conglo/limestone
- Upper Proterozoic to Lower Cambrian
PCH phyllite/shale/sandstone/grit/conglomerate/limestone/marble/chert/siltstone

Geology base clipped from:
Gorley, S.P. and Makepeace, A.J. (comp.) 1999:
Yukon bedrock geology in Yukon digital geology, S.P. Gorley and A.J. Makepeace (comp.),
Geological Survey of Canada Open File 6272 and Exploration and Geological Services Division,
Yukon, Indian and Northern Affairs Canada, Open File 1999-11D.



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