



GSC Open File 6271 - YGS Open File 2009-26
Regional Stream Sediment and Water Geochemical Data, eastern Yukon
and western Northwest Territories (NTS 1051)

Sample Location Map

During the field season of 1981, 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 Watson Lake. NTS map sheet 1051 was sampled at a target density of 1 site per 13 km². In all, 985 sites were sampled yielding 1,042 silt and 965 water samples from 11,420 km².

Analytical data, for up to 80 variables including loss-on-ignition in stream silts and 15 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 1051 in 1981 is assigned a unique-id of 1051_1981_1002 and appears 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 1051_1981_1005 and 1051_1981_1006 appear on the sample location map as **● 1005/1006**

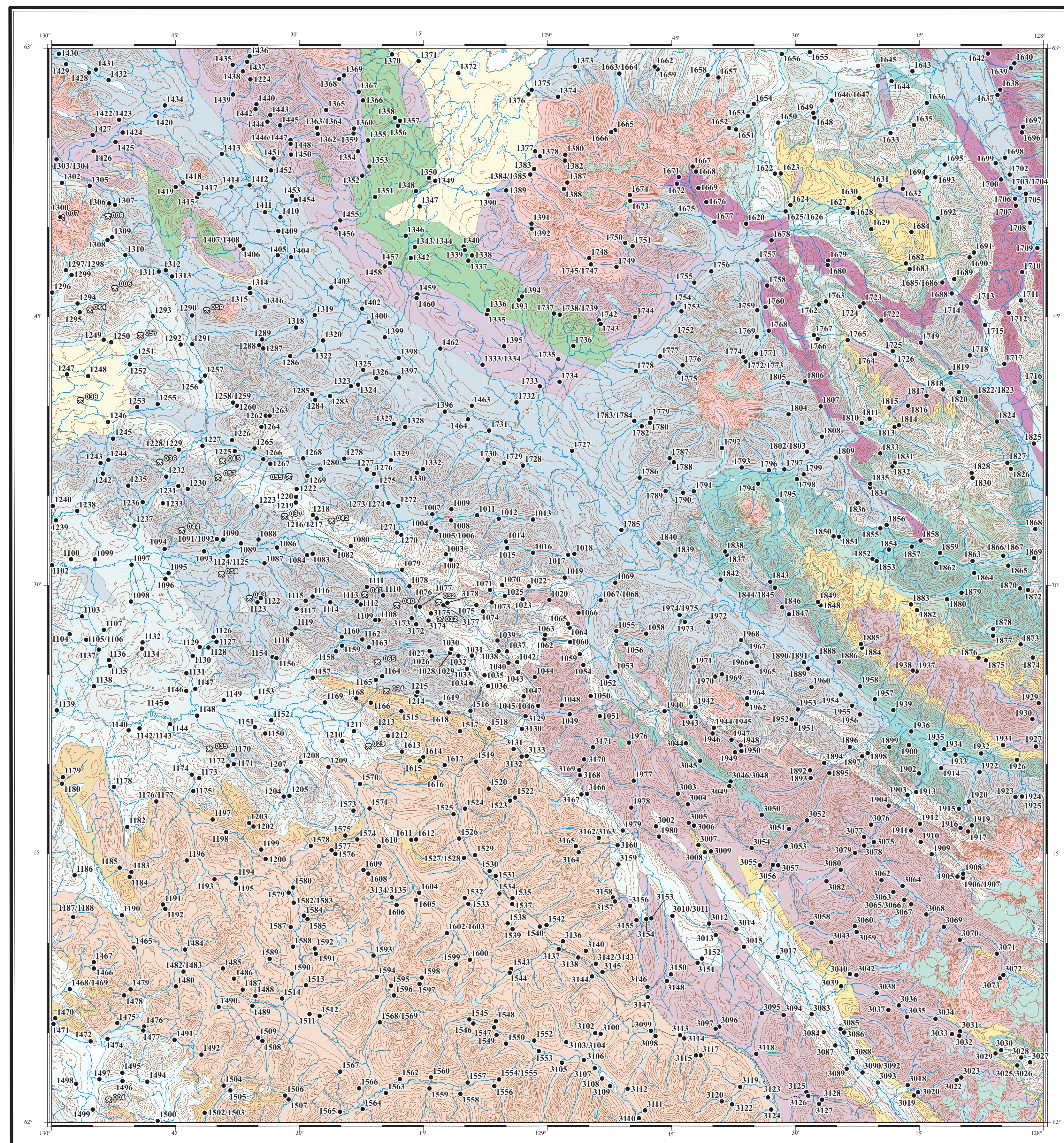
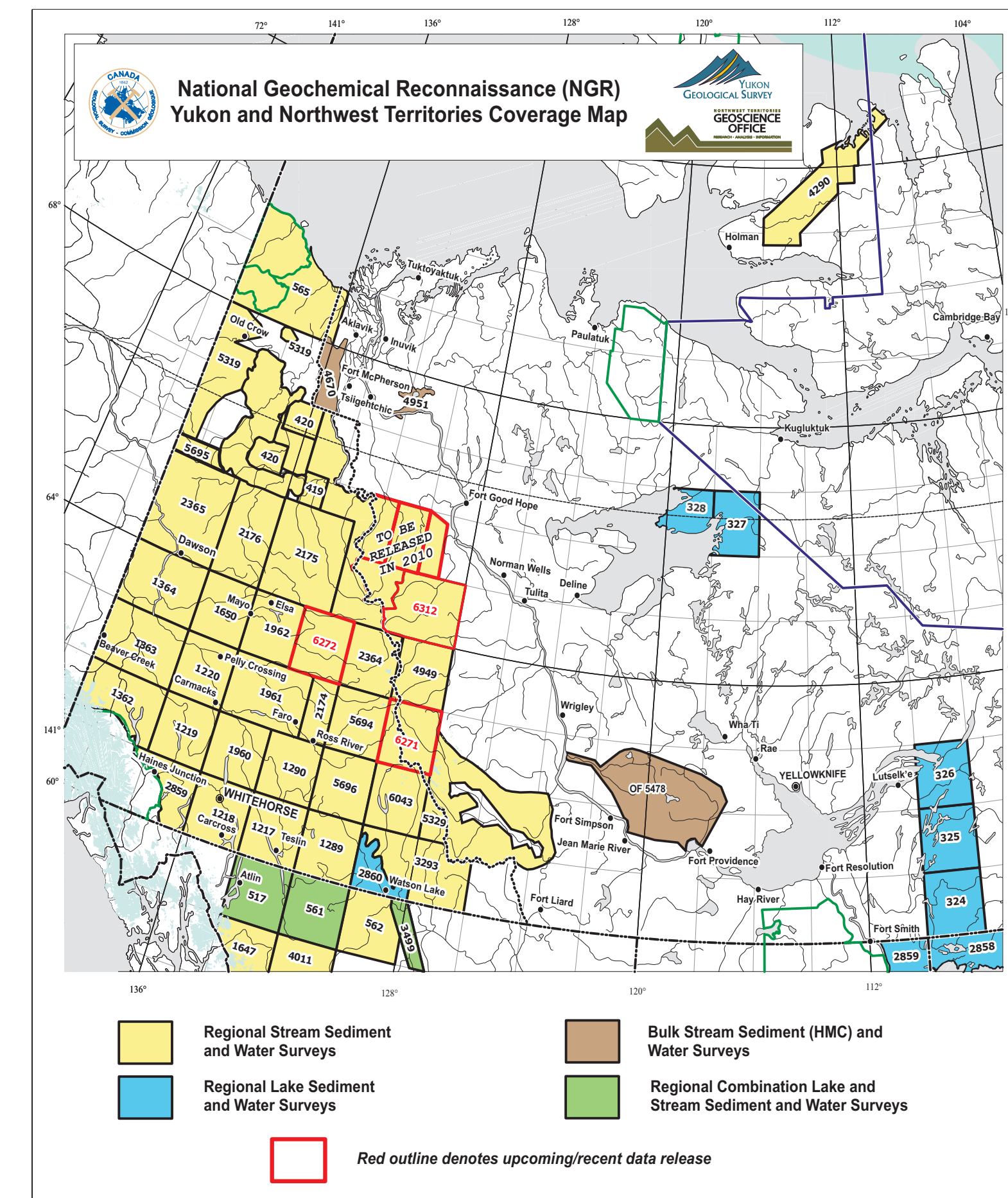
The base map used in this publication was combined from Yukon Digital Geology (Gordy and Makepeace, 1999) and the National Topographic System of Canada 1:250,000 scale topographic map 1051. Mineral occurrences located within NTS 1051 were extracted from Yukon Minfile (Deklerk and Traynor, 2008) and plotted. 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 "NAR" mineral occurrence, with MIN_ID of "004" appears on the Sample Location Map as **⚡**

Mineral Occurrence Table

Min_ID	MINFILE Number	Primary Names	Longitude	Latitude	Status	Primary Commodities	Deposit Type
004	1051004	NAR	129.88194	62.02139	DRILLED PROSPECT	COPPER, SILVER	Pb-Zn Skarn
006	1051006	CLEA	129.86945	62.77693	DRILLED PROSPECT	TUNGSTEN	W Skarn
007	1051007	BRR	129.97094	62.84277	SHOWING	COPPER	Cu Skarn
008	1051008	NOM	129.8836	62.84387	DRILLED PROSPECT	GOLD SILVER	Polymetallic Vein Ag-Pb-Zn-Cu-Au
012	1051012	HOWARDS PASS	129.21361	62.469166	DEPOSIT	LEAD, ZINC	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
029	1051029	SUMMIT	129.35806	62.350555	ANOMALY		Sedimentary Exhalative Zn-Pb-Ag (Sedex)
032	1051032	SHIELD	129.21638	62.48444	DRILLED PROSPECT		Sedimentary Exhalative Zn-Pb-Ag (Sedex)
034	1051034	BLACK GIANT	129.3222	62.401943	ANOMALY		Sedimentary Exhalative Zn-Pb-Ag (Sedex)
035	1051035	TULLY	129.6789	62.348057	UNKNOWN		Unknown
036	1051036	ORO	129.77916	62.615	DRILLED PROSPECT		Sediment-Hosted Barite
037	1051037	ANNIV	129.53222	62.564445	DEPOSIT		Sedimentary Exhalative Zn-Pb-Ag (Sedex)
038	1051038	ABBEY	129.93916	62.6725	DRILLED PROSPECT	LEAD + ZINC	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
040	1051040	WINKIE	129.30112	62.481667	DRILLED PROSPECT	LEAD, ZINC	Unknown
041	1051041	NESS	129.36555	62.491665	ANOMALY	LEAD, ZINC	Unknown
042	1051042	GULL	129.43222	62.560276	ANOMALY		Unknown
043	1051043	DIANNE	129.59833	62.488335	SHOWING	ZINC	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
044	1051044	TAM	129.73445	62.551666	ANOMALY	NICKEL, ZINC	Shale-Hosted Ni-Zn-Mo-PGE (Nick)
045	1051045	DORITA	129.65222	62.61611	ANOMALY	LEAD, ZINC	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
053	1051053	BRODELL	129.66139	62.680555	DRILLED PROSPECT	LEAD, ZINC	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
055	1051055	MAKOO	129.51889	62.601665	UNKNOWN		Unknown
057	1051057	PIMA	129.81778	62.73055	UNKNOWN		Unknown
058	1051058	RITZ	129.65445	62.510834	DRILLED PROSPECT		Sedimentary Exhalative Zn-Pb-Ag (Sedex)
059	1051059	PIEASKO	129.68445	62.5639	ANOMALY		W Skarn
064	1051064	ROOK	129.91972	62.756668	SHOWING	COPPER, TUNGSTEN, ZINC	W Skarn
065	1051065	CANDY	129.34	62.42889	ANOMALY		Unknown

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



Geology Legend

- Quaternary
Q silt/sand/gravel/ash
- mid-Cretaceous
nkS quartz monzonite/granodiorite/quartz diorite/ysenite/granite/quartz monzonite/granodiorite/dykes
- Middle to Upper Triassic
tr shale/argillite/sandstone/limestone
- Carboniferous to Permian
CPMC chert/shale/siltstone/quartzite/limestone/dolostone/barite
- Mississippian
MK shale/quartzite
- Middle Devonian
DA dolostone/limestone
- DH, DL, DN, DB limestone/dolostone
- Devonian and Mississippian
DME siltstone/chert/shale/sandstone/argillite/conglo/mudstone/flows/tuffs/plugs/barite/limestone
- Lower Devonian
IDS dolostone
- Ordovician to Lower Devonian
ODR shale/chert/siltstone/limestone/conglomerate
- Upper Cambrian to Silurian
CSH mudstone/quartzite/dolostone/chert/basalt/tuff
- Upper Cambrian and Ordovician
COF sandstone/dolostone/shale/limestone
- COR chert/siltstone/phyllite/limestone/conglo/flow/breccia/tuff/slate
- Middle Cambrian
mCA dolostone
- mCR shale/limestone/dolostone
- Lower Cambrian
KCO mudstone/shale/siltstone/phyllite/schist/chert/sandstone/conglo/limestone
- KCS siltstone/quartzite/conglo/dolostone/limestone
- Upper Proterozoic to Lower Cambrian
PBR limestone/dolostone/shale/sandstone
- uPCY phyllite/slate/argillite/siltstone/sandstone/quartzite
- PCH slate/phyllite/shale/sandstone/grit/conglomerate/limestone/marble/chert/siltstone

Geology base clipped from:
Gordy, S.P. and Makepeace, A.J. (comp.) 1999.
Yukon bedrock geology in Yukon digital geology. S.P. Gordy and A.J. Makepeace (comp.).
Geological Survey of Canada Open File 6271 and Exploration and Geological Services Division,
Yukon, Indian and Northern Affairs Canada, Open File 1999-11D.



OPEN FILE
DOSSIER PUBLIC
6271
GEOLOGICAL SURVEY OF CANADA
COMMISSION GEOLOGIQUE DU CANADA
2009

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