

Update of the Yukon Bedrock Geology Map

The Yukon Geological Survey has begun the process of updating the Yukon Digital Geology map, which was first released in 1999 (Gordey and Makepeace, 1999). The updated compilation incorporates new bedrock maps produced since then and benefits from an improved attribute structure that will facilitate searching of its 30,000+ polygons.

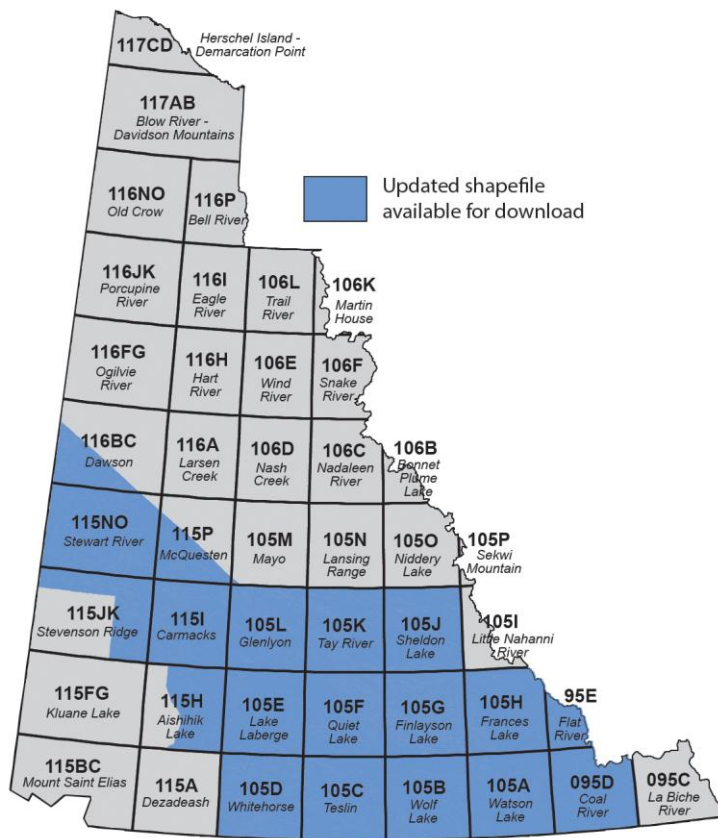
The new digital data for the updated bedrock map will be released incrementally via this web portal; the shapefiles posted on the web portal will be updated regularly as new parts of the compilation are ready and errors are corrected.

Once the update of the whole Yukon Bedrock Geology map has been completed, the new shapefiles will become the basis for the bedrock layers on the YGS MapMaker Online.

The GIS data available here is preliminary and may change with future updates. Any errors noted by the user of this data should be reported promptly to the Yukon Geological Survey.

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Area covered by new compilation:



Projection information:

```
Projection ALBERS
Datum NAD83
Zunits NO
Units METERS
Spheroid GRS1980
Xshift 0.0000000000
Yshift 0.0000000000
Parameters
61 40 0.000 /* 1st standard parallel
68 0 0.000 /* 2nd standard parallel
-132 30 0.000 /* central meridian
59 0 0.000 /* latitude of projection's origin
500000.00000 /* false easting (meters)
500000.00000 /* false northing (meters)
```

Yukon Geology Centroids (Polygons) Attributes – January 2014

UNIT_1M	1 million-scale map unit	TEXT	25
UNIT_250K	1:250 000-scale map unit	TEXT	25
UNIT_ORIG	Original map unit – at scale of capture (from published map)	TEXT	25
SUPERGROUP	Supergroup	TEXT	50
GP_SUITE	Group (stratigraphic); Suite (plutonic, metamorphic); Complex; Assemblage	TEXT	50
FORMATION	Formation (stratigraphic) and equivalents	TEXT	50
MEMBER	Member (stratigraphic) and equivalents	TEXT	50
NAME	Name of geological features such as plutons and batholiths	TEXT	50
TERRANE	Terrane	TEXT	50
TERR_LABEL	Short label for terrane (e.g. YT, AX, SM...)	TEXT	10
TECT_ELEM	Tectonic element (e.g. Selwyn basin, Whitehorse trough)	TEXT	50
ERA_MAX	Maximum age – Era (timescale)	TEXT	50
PERIOD_MAX	Maximum age – Period/System (timescale)	TEXT	50
EPOCH_MAX	Maximum age – Epoch/Series (timescale)	TEXT	50
STAGE_MAX	Maximum age – Stage/Age (timescale)	TEXT	50
AGE_MAX_MA	Maximum age – numerical (in m.y.); derived from IUGS timescale for stratigraphic units OR from geochronological constraints for igneous rocks (date + error)	NUMBER	FLOAT
ERA_MIN	Minimum age – Era (timescale)	TEXT	50
PERIOD_MIN	Minimum age – Period/System (timescale)	TEXT	50
EPOCH_MIN	Minimum age – Epoch/Series (timescale)	TEXT	50
STAGE_MIN	Minimum age – Stage/Age (timescale)	TEXT	50
AGE_MIN_MA	Minimum age – numerical (in m.y.); derived from IUGS timescale for stratigraphic units OR from geochronological constraints for igneous rocks (date - error)	NUMBER	FLOAT
ROCK_CLASS	Rock classification – sedimentary, metamorphic, plutonic, volcanic	TEXT	50
ROCK_SUBCL	Rock subclassification – clastic, carbonate, chert...; Prefix – ‘m’ = metamorphic, v = volcanic, p = plutonic; Suffix – for igneous rocks: ‘mafic’, ‘inter’ = intermediate, ‘felsic’, ‘ultram’ = ultramafic	TEXT	50
ROCK_MAJOR	Major lithology(ies) within map unit	TEXT	100
ROCK_MINOR	Minor lithology(ies) within map unit	TEXT	100
RX_COMMENT	Comment(s) for rock type	TEXT	254
REFERENCE	Source for polygon (publication – e.g. Tempelman-Kluit (1984) - GSC OF 1101)	TEXT	254
Map_label_250k	Code for 250k label using gscGeology font	TEXT	12
Map_label_1M	Code for 1M label using gscGeology font	TEXT	12

Yukon Geology Fault Attributes – January, 2014

FEATURE	fault (<i>needed for query from merge line set</i>)	TEXT	25
TYPE	Type of fault – thrust, normal, strike-slip, oblique, unknown	TEXT	30
SUBTYPE	Dextral, sinistral, upright, overturned, unknown	TEXT	30
RELIAB	Reliability – defined, approximate, inferred, covered	TEXT	15
NAME	Name of fault	TEXT	50
REFERENCE	Source (publication)	TEXT	254
SCALE	Minimum scale for display (x 1000) – 1000, 250, 50...	NUMBER	INTEGER
SYM_DIR	Direction of symbols for faults (e.g. NE, SW, etc...)	TEXT	10

Yukon Geology Contact Attributes – January, 2014

FEATURE	contact (<i>needed for query from merge line set</i>)	TEXT	25
TYPE	Type of contact – stratigraphic, intrusive	TEXT	30
SUBTYPE	Unconformity, facies change, gradational... BLANK = Conformable	TEXT	30
RELIAB	Reliability – defined, approximate, inferred, covered	TEXT	15
NAME	Name of fault (<i>ignore for contacts</i>)	TEXT	50
REFERENCE	Source (publication)	TEXT	254
SCALE	Minimum scale for display (x 1000) – 1000, 250, 50...	NUMBER	INTEGER
SYM_DIR	Direction of symbols for faults (<i>ignore for contacts</i>)	TEXT	10

Yukon Geology Fold Attributes – March 8, 2010

TYPE	Type of fold – anticline, syncline, antiform, synform	TEXT	30
RELIAB	Reliability – defined, approximate, inferred	TEXT	15
STYLE	Style of fold – upright, overturned, recumbent, box	TEXT	30
DIP_DIR_AP	Direction of dip of axial plane (for overturned folds)	TEXT	10
PLUNGE	<i>e.g.</i> NW, SE; non-cylindrical – <i>where info available...</i>	TEXT	10
NAME	Name of regional folds	TEXT	50
REFERENCE	Source (publication)	TEXT	254
SCALE	Minimum scale for display (x 1000) – 1M, 250k, 50k	NUMBER	INTEGER