

LEGEND

PLACER PROJECT

- stations (first two numbers after GL in station label represent year of investigation)
- proven or potential gold-bearing stream

GLACIAL LIMITS:

- established (Duk-Rodkin, 1999b)
- estimated (Duk-Rodkin, 1999b)
- interpolated (Duk-Rodkin, 1999b)
- alternative limits based on Bostock (Jackson et al., 2001)

GLACIAL DEPOSITS:

- McConnell (ca. 22 Ka) (Duk-Rodkin, 1999b)
- Reid (ca. 200 Ka) (Duk-Rodkin, 1999b)
- Pre-Reid (from ca. 3 Ma) (Duk-Rodkin, 1999b)
- unglaciated (Duk-Rodkin, 1999b)
- alternative Pre-Reid: based on Bostock (Jackson et al., 2001)
- alternative unglaciated: based on Bostock (Jackson et al., 2001)

OTHER GLACIAL FEATURES:

- major ice flow direction (Duk-Rodkin, 1999a)

BASEMAP FEATURES:

- | | | | |
|---|--------------------------------|---|-------------------------------------|
| + | seaplane base | — | highway |
| * | heritage Sites | — | 2 wheel drive road |
| ± | seaplane base | — | 4 wheel drive road |
| ⊠ | tower | — | trail |
| ○ | building | — | winter trail |
| □ | built-up area | — | other |
| △ | campground | — | Territorial boundary |
| + | UTM grid lines (10 km spacing) | — | Mining District boundary |
| | | — | Tombstone Territorial Park boundary |

STATIONS

Station locations mainly represent visits to active and abandoned placer mines, although several stations are established at natural gravel exposures. Information collected at stations utilized a three-page field report form that includes: 1) Station location data (i.e., name and number of topographic map, name of creek or river, latitude and longitude of station, owner-operator, stratigraphy or age of exposure, inferred glacial limits, landforms present, type of bedrock exposed, type of bedrock alteration, other comments such as gold fineness and size, and a sketch map of the exposure or mining operation); 2) A stratigraphic section (i.e., thickness of gravel, texture and type of contacts, sorting, grading, clast fabric, other sedimentary structures, paleoflow direction, colour of gravel, lithology of gravel, alteration of gravel, clast shape and roundness, other remarks such as sample number, lithologies type, sedimentological architectural element type and inferred environment of deposition); and 3) A panel diagram (i.e., essentially a vertical geologic map showing the lateral and vertical distribution of lithofacies). Note: Depending on the quality of exposure, not all stations have a stratigraphic section or panel diagram (i.e., only station location data may have been collected).

DATA SOURCES AND ACKNOWLEDGEMENTS:

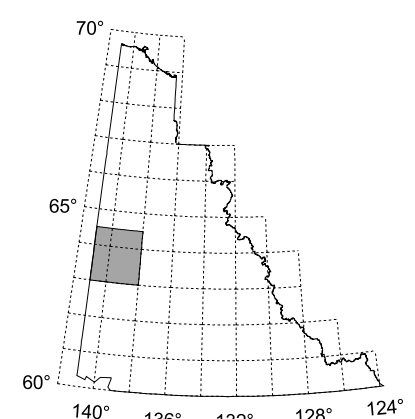
Proven or potential gold-bearing stream locations from Lipovsky et al. (2001), 1:250 000 scale Yukon MINFILE 2001 maps; gold bearing streams reported on Gilbert's (1979) "treasure map"; and Yukon Placer Database (LeBerge, 2002).
Glacial limits and deposits are from Duk-Rodkin's 1:250 000 scale compilation (1999b). Alternative Pre-Reid limits based on Bostock's work are also shown in the Stewart River area, as proposed by Jackson et al. (2001).
Topographic base provided by Natural Resources Canada in conjunction with Yukon Land Information Management System (LIMS). Roads and trails were modified by Department of Renewable Resources, Yukon Government.

REFERENCES:

- Duk-Rodkin, A., 1999a. Glacial limits map of Yukon Territory. Geological Survey of Canada, Open File 3694. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Geoscience Map 1999-2, 1:1 000 000 scale.
- Duk-Rodkin, A., 1999b. Glacial Limits. In: Yukon Digital Geology, Gordon, S.P. and Makepeace, A.J. (comp.) Geological Survey of Canada Open File 13039 and Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1999-1(D) (1:250 000 scale).
- Gilbert, G.W., 1979. Yukon Placer 1979 "Treasure Map." Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada.
- Jackson, Jr., L.E., Shumamura, K., and Huscraft, C.A., 2001. Late Cenozoic geology, Ancient Pacific Margin NATMAP Project, Report 3: A re-evaluation of glacial limits in the Stewart River basin of Stewart River map area, Yukon Territory. Geological Survey of Canada, Current Research 2001-A3, 8 p.
- LeBerge, W.P., 2002. Yukon Placer Database 2002. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, CD-ROM.
- Lipovsky, P.S., Lowey, G.W., and LeBerge, W.P., 2001. Dawson Area Placer Activity Map (1:250 000 scale). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 2001-38.
- Yukon MINFILE - Mineral Occurrence Maps (1:250 000 scale), 2001. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada.

RECOMMENDED CITATION:

Lowey, G.W., Deforest, S., and Lipovsky, P., 2002. Stewart River Placer Project station location map, portions of NTS sheets 116B & C and 115N & O, west-central Yukon (1:250 000 scale). Yukon Geological Survey, Open File 2004-12; also Map 1 in Bulletin 14.
This map accompanies bulletin:
Lowey, G.W., 2004. Placer geology of the Stewart River (115N & O) and part of the Dawson (116B & C) map areas, west-central Yukon, Canada. Yukon Geological Survey, Bulletin 14.
Compilation, digital cartography and drafting by P.S. Lipovsky and S. Deforest, Yukon Geological Survey.
Any revisions or additional information known to the user would be welcome by the Yukon Geological Survey.
Paper copies of this map and the accompanying report may be purchased from Geoscience Information and Sales, c/o Whitehorse Mining Recorder, Energy, Mines and Resources, Yukon Government, P.O. Box 2703 (K-102), Whitehorse, Yukon, Y1A 2C6, Ph: (867) 667-5200; Fax: (867) 667-5150, Email: gprosales@gov.yk.ca.
This and other publications may be downloaded free of charge from the Yukon Geological Survey website: <http://www.geology.gov.yk.ca>
Keep this map in a dark area to keep colours from fading.



STEWART RIVER PLACER PROJECT
Station Location Map
Portions of NTS Sheets 116B & C and 115N & O, west-central Yukon
Scale 1: 250 000



CONTOUR INTERVAL: 200 METRES
Elevations in Feet above Mean Sea Level
North American Datum 1983
Transverse Mercator Projection
Ten Thousand Meter Universal Transverse Mercator Grid
ZONE 7

Magnetic declination 1985 for 11506N varies from 20°42' easterly at centre of east edge to 30°38' easterly at centre of east edge. Mean annual change decreasing 14.7.
Magnetic declination 1990 for 116B&C varies from 30°17' easterly at centre of east edge to 31°12' easterly at centre of east edge. Mean annual change decreasing 11.3.