PRELIMINARY SERIES

GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND

CENOZOIC

PLEISTOCENE(?)

- **TQvbo** — COLUMNAR BASALT: fresh orange-weathering columnar jointed olivine basalt

EOCENE OR YOUNGER

- **eTcv** — CARMACKS GROUP: brown-weathering, brown, green and red andesite, basalt and flow breccia
- **eTdi** — DIORITE: dark brown, fine-grained diorite and gabbro
- **eTvrp** — QUARTZ FELDSPAR PORPHYRY: light coloured acid quartz feldspar porphyry and rhyolite; minor acid tuff breccia, crystal lithic tuff and ignimbrite
- **eTccg** — SANDSTONE AND CONGLOMERATE: white, coarse-grained, immature terrestrial sandstone with lesser interbedded pebble conglomerate and shale; minor lignite and rare ignimbrite

MESOZOIC

CRETACEOUS(?)

- **lMqm** — QUARTZ MONZONITE: medium-grained equigranular biotite quartz monzonite
- **lMmzp** — PORPHYRITIC MONZONITE: medium-grained, porphyritic (K-feldspar) hornblende monzonite to syenite
- **lMmz** — HORNBLENDE MONZONITE: medium-grained equigranular hornblende monzonite

TRIASSIC(?)

- **Tgdm** — HORNBLENDE GRANODIORITE: dark grey weathering, strongly foliated, coarse-grained equigranular biotite hornblende granodiorite

PERMIAN(?) AND/OR TRIASSIC(?)

- **PMub** — DUNITE: foliated serpentinized dunite and peridotite

CARBONIFEROUS(?) AND/OR PERMIAN(?)

- **Pv** — SHEARED GREENSTONE: sheared and foliated chloritic greenstone and green lithic tuff; minor green cherty tuff

PERMIAN AND/OR OLDER

- **Pt** — CHERT AND METACHERT: grey-weathering pale green and purplish brown hornfelsed argillaceous chert with lesser interbedded chloritic phyllite and marble
- **Pc** — LIMESTONE: thin-bedded limestone and marble

PROTEROZOIC AND/OR PALEOZOIC

- **ℰPqmmu** — FOLIATED MUSCOVITE QUARTZ MONZONITE: foliated equigranular medium-grained muscovite quartz monzonite
- **ℰPc** — MARBLE: coarsely crystalline white graphite marble
- **ℰPgd** — FOLIATED BIOTITE GRANODIORITE: foliated to gneissic biotite granodiorite; minor interfoliated phyllite, schist and amphibolite
- **ℰPqs** — NASINA QUARTZITE: black-weathering, massive, dark grey to black graphitic quartzite with lesser grey micaceous quartzite and quartz mica schist
- **ℰPsqmu** — KLONDIKE SCHIST: black and orange-weathering well foliated pale green chlorite muscovite quartz schist; includes augen gneiss and amphibolite
- **ℰPsn** — SCHIST GNEISS: brown-weathering, grey muscovite biotite quartzite and quartz mica schist; includes amphibolite augen gneiss and minor marble; includes rocks of Klondike Schist and Pelly Gneiss undifferentiated
- **ℰPgdn** — PELLY GNEISS: strongly foliated to gneissic muscovite chlorite biotite granodiorite; minor augen gneiss; includes some undifferentiated foliated muscovite quartz monzonite

Geological boundary (defined, approximate, assumed)
Limit of geological mapping
Bedding, tops known (inclined, vertical) 20
Foliation (inclined, vertical) 35
Lineation (horizontal, inclined)
Fault (inferred)
Occurrence of mafic dykes ..... m
Occurrence of pegmatite dykes ..... p
Occurrence of augen gneiss ..... □
Occurrence of amphibolite ..... A
Occurrence of conglomerate c
Occurrence of acid volcanic dykes v
Placer deposit ..... P
Metallic mineral occurrence ..... cpx
Shaft or pit
Bulldozer trenching

METALS AND MINERALS

Arsenopyrite.....asp	Gold.....Au
Chalcopyrite.....cp	Magnetite.....mag
Copper.....Cu	Molybdenite..... mo
Fluorite.....fl	Sphalerite.....sp
Galena.....gn	

Geology by D.J. Tempelman-Kluit 1970, 1971, 1972

To accompany Paper 73-41 by D.J. Tempelman-Kluit

This preliminary edition may be subject to revision and correction

Geological cartography by the Geological Survey of Canada

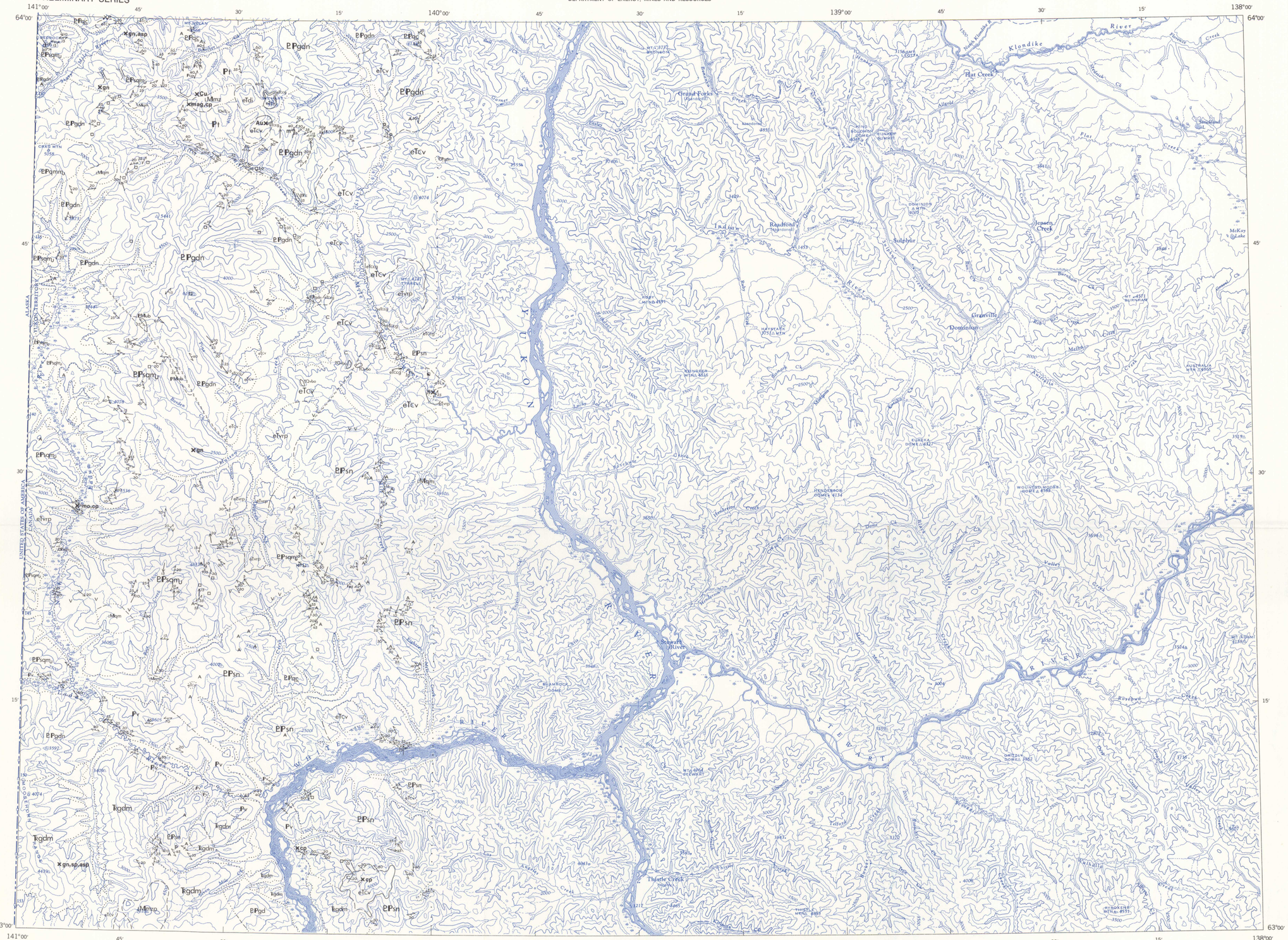
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base-map at the same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources in 1963

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa

Magnetic declination 1973 varies from 30°30' easterly at centre of west edge to 31°58' easterly at centre of east edge. Mean annual change 3.8' westerly

Elevations in feet above mean sea-level



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Printed by the Surveys and Mapping Branch 1974

INDEX MAP

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MAP 18-1973
PAPER 73-41
GEOLOGY

STEWART RIVER

YUKON TERRITORY

Scale 1:250,000

Miles 4 0 4 8 12 Miles
Kilometres 6 0 6 12 18 Kilometres

Universal Transverse Mercator Projection

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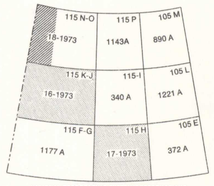

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS

MAP 18-1973
STEWART RIVER
YUKON TERRITORY

18-1973
c.2

612 cdg 55C

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