

By S.B. Ballantyne
Geological Survey of Canada

GEOCHEMICAL ORIENTATION SURVEYS FOR URANIUM FOR LAKE AND STREAM SEDIMENTS

IN SOUTHERN BRITISH COLUMBIA, 1975

WEST OF BEAVERDELL
MAP BI

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GEOLOGICAL SURVEY
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OTTAWA

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Geology by H.W. Little, 1961

From G.S.C. Map 15-1961, Kettle River (West Half)

Base-map from British Columbia Forestry Map F82 E/6E at the scale of 1 inch to 1/2 mile

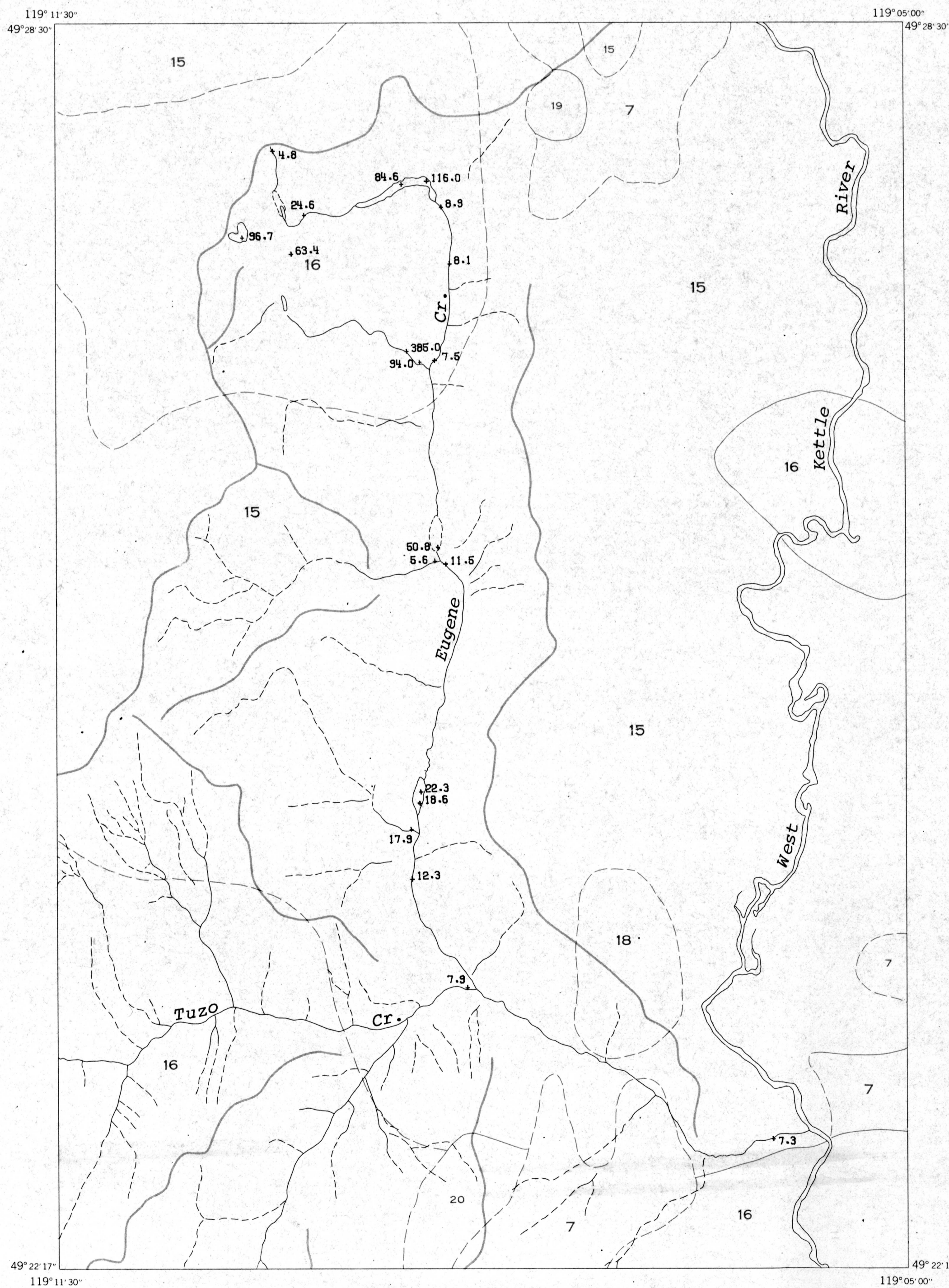
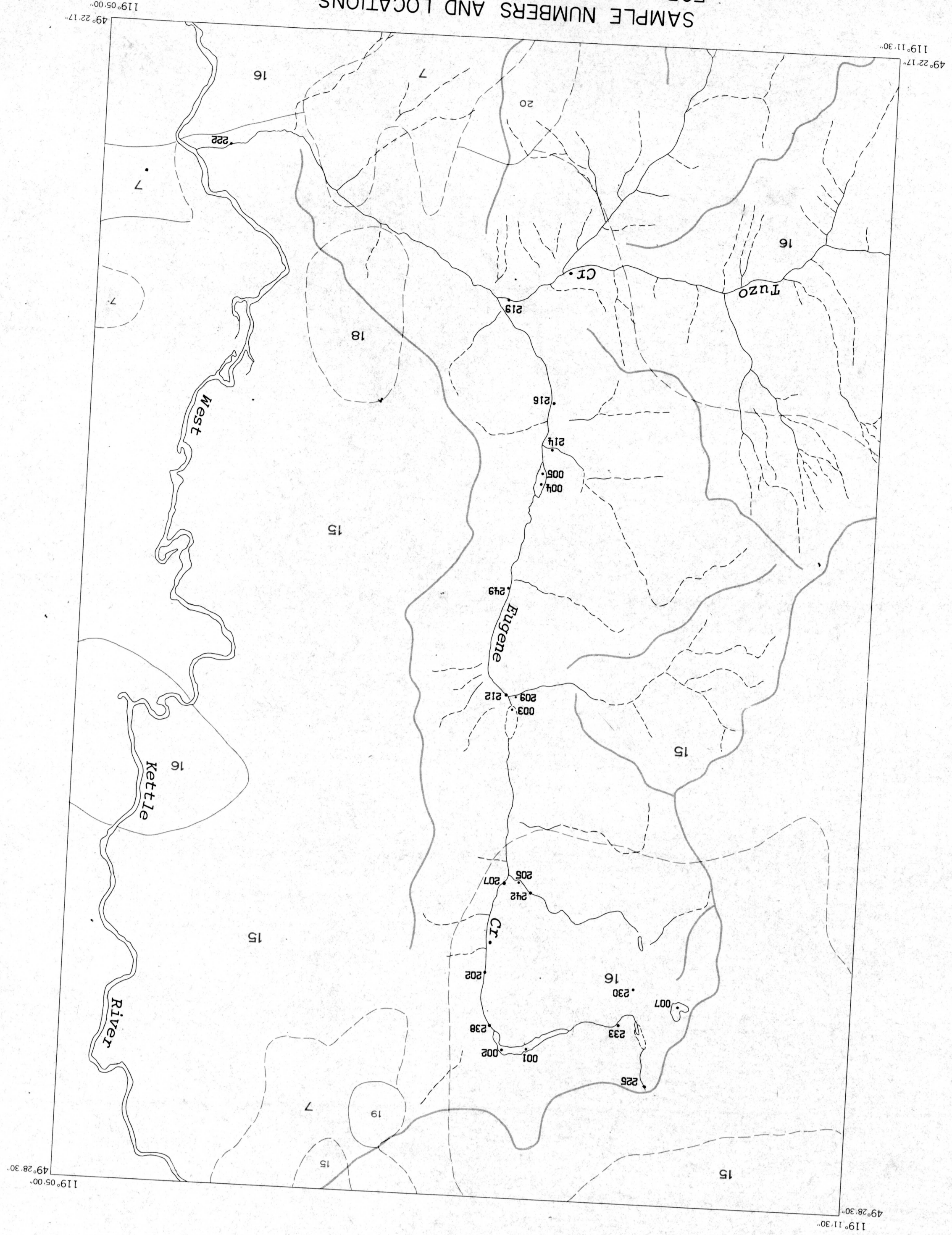
Samples collected by S.B. Ballantyne and K. Bottrill

Lake sediment sample number001

Stream sediment sample number202

-80 mesh fraction

- Geological contact
- Height of land
- LEGEND
- 20 OLIGOCENE (?)
CORYELL PLUTONIC ROCKS: syenite, granite; minor monzonite and skonkinite
 - EOCENE OR OLIGOCENE
19 Andesite, trachyte minor basalt; locally interbedded tuff and shale
 - PALEOCENE OR EOCENE
18 Porphyritic granite and rhyolite
 - CRETACEOUS (?)
16 VALHALLA PLUTONIC ROCKS: granite and granodiorite
15 NELSON PLUTONIC ROCKS: granodiorite, quartz diorite, diorite; granite, quartz monzonite, syenite, monzonite
 - PERMIAN AND/OR TRIASSIC
7 ANARCHIST GROUP
Greenstone, quartzite, greywacke, limestone; locally paragneiss



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- Samples collected by S.B. Ballantyne and K. Bottrill
- Uranium analysis done by Atomic Energy of Canada Ltd. by delayed neutron activation technique
- U content in ppm+8.1

URANIUM (ppm) IN LAKE AND
STREAM SEDIMENTS (-80 mesh fraction)

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