

MANGANESE (ppm)

STREAM SEDIMENTS

B.C. RGS 19
GSC OPEN FILE 1646

104F - SUMDUM / 104G - TELEGRAPH CREEK
NORTHWESTERN BRITISH COLUMBIA, 1987

LEGEND

STRATIFIED ROCKS

QUATERNARY

- RECENT
[Rvb] (BSLT 64*) Basalts, cinder, ash
- PLEISTOCENE AND RECENT
[Qs] (TILL 64) Surficial clastic sediments and glacial deposits
[Qvo] (CLVB 64) Olivine basalt

TERTIARY AND QUATERNARY

- PLIOCENE AND PLEISTOCENE
[PPLM] (BSLT 63) LEVEL MOUNTAIN GROUP: basalt
[PPvb] (BTST 63) Basalt, rhyolite, olivine, basalt
[PPvt] (RYLT 63) Rhyolite, trachyte, tuff

TERTIARY

- EOCENE
[ESL] (RYLT 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt

CRETACEOUS AND TERTIARY

- [KTvd] (ANDS 56) Andesite

CRETACEOUS

- [UKTC] (SND 55) TANGO CREEK: sandstone, siltstone, coal

JURASSIC AND CRETACEOUS

- [JKs] (SLSN 51) Siltstone, greywacke, conglomerate, shale (upper HAZELTON GROUP in part)

JURASSIC

- [JMs] (SLSN 50) HAZELTON GROUP: siltstone, greywacke, sandstone, tuff
[mJvb] (BSLT 49) Basalt, pillow lava, tuff, volcanoclastic rocks
[Jp] (SHLE 49) Shale

TRIASSIC

- [uT] (CGLM 49) TAKWAHONI: conglomerate, grit, greywacke
[Jcg] (CGDK 49) Conglomerate, grit, greywacke

TRIASSIC

- [uT] (PLT 45) Phyllite, argillite, siltstone, greywacke, limestone
[uTs] (SLSN 45) Siltstone, chert, sandstone, tuff
[uTsv] (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks

TRIASSIC

- [uTST] (VLRK 45) STUHLINI GROUP: undifferentiated volcanic and sedimentary rocks
[uTv] (ANBT 45) Andesite, basalt
[uTvd] (ANDS 45) Andesite, pyroclastic rocks, greenstone

PERMIAN

- [Pc] (LMSH 36) Limestone, minor calcareous shale

CARBONIFEROUS AND PERMIAN

- [CPsn] (SCST 35) Schist, gneiss
[CPsv] (GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks

MISSISSIPPIAN

- [Mct] (LMTF 34) Limestone, tuff, chert

PLUTONIC ROCKS

- CRETACEOUS AND TERTIARY
[KTfp] (FLSP 56) Felsite, feldspar porphyry
[KTqm] (QTMZ 56) Quartz monzonite
[KTv] (LSYN 56) Leucocratic syenite

JURASSIC AND CRETACEOUS

- [JKgd] (GRDR 51) Granodiorite
[JKqd] (GRZD 51) Quartz diorite
[JKdi] (DORT 51) Diorite

TRIASSIC AND JURASSIC

- [Tjgd] (GRDR 46) Granodiorite
[Tjdi] (GRZD 46) Quartz diorite, diorite, amphibolite
[Tjy] (SYNT 46) Syenite, monzonite

TRIASSIC

- [Tb] (DORT 42) Diorite, gabbro
[Td] (DORT 42) Diorite, monzonite

PERMIAN AND TRIASSIC

- [Tub] (LUMF 40) Ultramafic rocks, serpentinite

AGE UNKNOWN

- [gd] (GRDR 65) Granodiorite
[m] (AMPH 65) Amphibolite, gneiss, migmatite

SYMBOLS

- Geological boundary
Fault
Thrust fault
Glaciers
Field duplicate sample sites

GEOLOGY AND MINERAL DEPOSITS

Geological base and legend are derived from:
Sourdis, J.G., Brew, D.A. and Ouellet, A.V. (compilers) (1979) River River, Geological Survey of Canada, Map 1418A.

*A mnemonic code assigned to rock types and recorded as part of field observations

For location of the following specific information for this area refer to British Columbia Ministry of Energy, Mines and Petroleum Resources, mineral deposits refer to Mineral Inventory Map, M 104F - SUMDUM and M 104G - TELEGRAPH CREEK; assessment reports refer to Assessment Report Index Map, AR 104F - SUMDUM and AR 104G - TELEGRAPH CREEK; bedrock geological mapping refer to Index of Bedrock Mapping, 1983, for mineral and placer claim maps contact the Ministry of Energy, Mines and Petroleum Resources, Mineral Titles Branch, Victoria, for current editions and status.

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TERTIARY AND QUATERNARY

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[PPLM] (BSLT 63) LEVEL MOUNTAIN GROUP: basalt
[PPvb] (BTST 63) Basalt, rhyolite, olivine, basalt
[PPvt] (RYLT 63) Rhyolite, trachyte, tuff

TERTIARY

- EOCENE
[ESL] (RYLT 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt

CRETACEOUS AND TERTIARY

- [KTvd] (ANDS 56) Andesite

CRETACEOUS

- [UKTC] (SND 55) TANGO CREEK: sandstone, siltstone, coal

JURASSIC AND CRETACEOUS

- [JKs] (SLSN 51) Siltstone, greywacke, conglomerate, shale (upper HAZELTON GROUP in part)

JURASSIC

- [JMs] (SLSN 50) HAZELTON GROUP: siltstone, greywacke, sandstone, tuff
[mJvb] (BSLT 49) Basalt, pillow lava, tuff, volcanoclastic rocks
[Jp] (SHLE 49) Shale

TRIASSIC

- [uT] (CGLM 49) TAKWAHONI: conglomerate, grit, greywacke
[Jcg] (CGDK 49) Conglomerate, grit, greywacke

TRIASSIC

- [uT] (PLT 45) Phyllite, argillite, siltstone, greywacke, limestone
[uTs] (SLSN 45) Siltstone, chert, sandstone, tuff
[uTsv] (ANDV 45) Undifferentiated andesitic volcanic and clastic sedimentary rocks

TRIASSIC

- [uTST] (VLRK 45) STUHLINI GROUP: undifferentiated volcanic and sedimentary rocks
[uTv] (ANBT 45) Andesite, basalt
[uTvd] (ANDS 45) Andesite, pyroclastic rocks, greenstone

PERMIAN

- [Pc] (LMSH 36) Limestone, minor calcareous shale

CARBONIFEROUS AND PERMIAN

- [CPsn] (SCST 35) Schist, gneiss
[CPsv] (GRNS 35) Greenstone, limestone, shale, clastic sedimentary rocks

MISSISSIPPIAN

- [Mct] (LMTF 34) Limestone, tuff, chert

PLUTONIC ROCKS

- CRETACEOUS AND TERTIARY
[KTfp] (FLSP 56) Felsite, feldspar porphyry
[KTqm] (QTMZ 56) Quartz monzonite
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JURASSIC AND CRETACEOUS

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TRIASSIC AND JURASSIC

- [Tjgd] (GRDR 46) Granodiorite
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[Tjy] (SYNT 46) Syenite, monzonite

TRIASSIC

- [Tb] (DORT 42) Diorite, gabbro
[Td] (DORT 42) Diorite, monzonite

PERMIAN AND TRIASSIC

- [Tub] (LUMF 40) Ultramafic rocks, serpentinite

AGE UNKNOWN

- [gd] (GRDR 65) Granodiorite
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SYMBOLS

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Field duplicate sample sites

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TERTIARY

- EOCENE
[ESL] (RYLT 59) SLOKO GROUP: rhyolite, trachyte, andesite, basalt

CRETACEOUS AND TERTIARY

- [KTvd] (ANDS 56) Andesite

CRETACEOUS

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