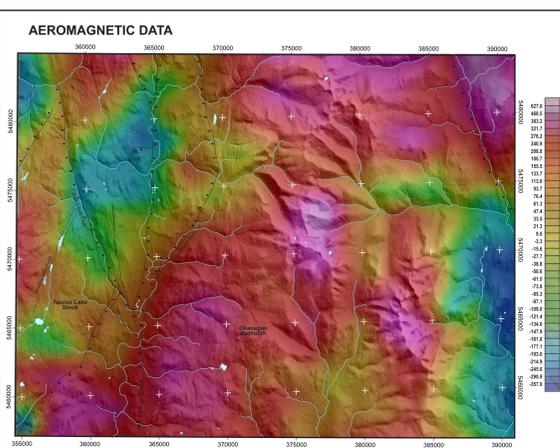


- CENOZOIC**
- QUATERNARY**
- Qal Alluvium, sand, gravel, till
- MIOCENE / PLIOCENE**
- MPL KALLIS FORMATION: Plateau basalt; black to dark green, fine-grained, locally olivine phytic
- Eocene**
- PENTICTON GROUP**
- Epa Undifferentiated Kettle River and Marron formations; includes conglomerate, grit, felsic tuff and siltstone of the Kettle River Formation and dominantly alkalic volcanic rocks of the Marron Formation
  - Em MARRON FORMATION: Alkali basalt, trachyte, locally amygdaloidal, vesicular or porphyritic; well banded mafic tuff, blocky tephra; minor black or red shale or slate
  - Em2 Andesite and trachyandesite; minor tuff
  - Em1 Trachyte, phonolite; interbedded pyroclastics
  - Ekr KETTLE RIVER FORMATION: basal conglomerate, overlain by feldspathic grit, conglomerate, siltstone and rare shale or argillite; minor felsic tuff, typically light coloured and well bedded
  - Ekt Felsic to intermediate tuff and flows, tuffaceous sandstone, minor conglomerate
- CORVELL PLUTONIC SUITE**
- mEc Undifferentiated syenite and monzonite
- OKANAGAN BATHOLITH**
- Eob Granite, locally megacrystic porphyritic; massive medium to coarse grained granite; quartz monzonite
- PALEOCENE - EOCENE**
- PEB TAURUS LAKE GRANITE: Granite, massive to porphyritic; locally megacrystic granite, granodiorite
- MESOZOIC**
- JURASSIC - TRIASSIC (?)**
- NELSON PLUTONIC SUITE**
- Jgd Granodiorite; less commonly quartz diorite
  - Jd Quartz diorite, granodiorite, diorite, minor granite; massive to porphyritic
  - Jdp Hornblende-plagioclase diorite dike
- UPPER TRIASSIC**
- Trwk WEST KETTLE BATHOLITH: Granodiorite; quartz diorite, microdiorite
- PALEOZOIC**
- PERMIAN TO CARBONIFEROUS**
- WALLACE GROUP**
- CPw Undifferentiated metasedimentary and metavolcanic rocks; fine-grained mafic volcanic rocks, mafic intrusives; siltstone, argillite, mafic tuff, "greenstone", minor limestone; typically altered and metamorphosed
  - CPwv Crouse Creek member: mafic volcanic rocks
  - CPwa Argillite, siltstone, minor tuff
  - CPwl Lars Creek member: limestone
- SYMBOLS**
- CONTACT OF ALLUVIUM .....  
 CONTACT: DEFINED, APPROXIMATE, INFERRED .....  
 UNCONFORMITY .....  
 FAULT: DEFINED, APPROXIMATE, INFERRED .....  
 NORMAL FAULT: DEFINED, APPROXIMATE, INFERRED, HIDDEN .....  
 BEDDING .....  
 FOLIATION, CLEAVAGE .....  
 VEIN .....  
 DIKE .....  
 FAULT .....  
 MINERAL OCCURRENCE - PRODUCER .....  
 MINERAL OCCURRENCE - PAST PRODUCER .....  
 MINERAL OCCURRENCE - PROSPECT .....  
 MINERAL OCCURRENCE - SHOWING .....  
 U-Pb AGE DATE (Ma) .....  
 Ar/Ar AGE DATE (Ma) .....  
 K/Ar AGE DATE (Ma) .....  
 PROVINCIAL RGS SILT-SAMPLE SITE .....  
 2019 BULK SEDIMENT SITE .....  
 HIGHWAY .....  
 SECONDARY ROAD .....  
 FOREST SERVICE ROAD .....  
 STREAM, RIVER, LAKE .....  
 PARK BOUNDARY .....



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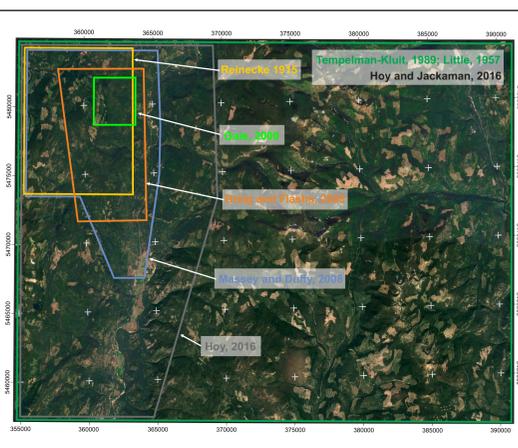
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**AGE DATES**

SAMPLE	UTME	UTMN	ROCK TYPE	UNIT	REFERENCE	DATED BY	METHOD	AGE	ERROR
13687	36902	548310	syenite	Corvelli	Hunt et al. (1991)	GSC	K/Ar	51.8	± 1.4
13689	36902	547183	syenite	Corvelli	Hunt et al. (1991)	GSC	K/Ar	50.8	± 0.7
07AMM43	35942	547574	hd dunite	Nelson complex	Massey et al. (2010)	J. Gables (UBC)	Ar/Ar	17.3	± 1.0
AM-381	35732	548453	granite	Taurus Lake stock	Høy et al. (2020)	J. Gables (UBC)	Ar/Ar	63.9	± 1.3
AM-404	35985	548267	granodiorite	Nelson complex	Høy et al. (2020)	J. Gables (UBC)	Ar/Ar	17.7	± 3.8
AM-470	36149	547677	basalt	Marron Fm	Høy et al. (2020)	J. Gables (UBC)	Ar/Ar	07.8	± 2.1
AM-529	36217	547261	granodiorite	Nelson complex	Høy et al. (2020)	J. Gables (UBC)	Ar/Ar	17.3	± 4.5
AM-563	36175	549567	granite	Taurus Lake stock	Høy et al. (2020)	J. Gables (UBC)	Ar/Ar	67.7	± 8.0
GC-104	36282	546520	mafic tuff	Kettle River Fm	Høy and Murton (2021)	R. Friedman (UBC)	U-Pb	52.38	± 0.5
GC-51	36248	546545	mafic tuff	Kettle River Fm	Høy and Murton (2021)	R. Friedman (UBC)	U-Pb	51.8	± 0.5
H19-29	38049	547324	megacrystic granite	Okanagan bath	Høy et al. (2021)	R. Friedman (UBC)	U-Pb	51.86	± 0.4
H19-49	36962	546265	megacrystic granite	Okanagan bath	Høy et al. (2021)	R. Friedman (UBC)	U-Pb	50.37	± 0.4
H20-59	36620	547146	luffaceous sandstone	Kettle River	Høy et al. (2021)	R. Friedman (UBC)	U-Pb	51.5	± 0.44

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**BASE MAP INFORMATION**

NAD 1983 UTM ZONE 11  
TRANSVERSE MERCATOR  
PROJECTION

APPROXIMATE MEAN DECLINATION 2021  
FOR CENTRE OF MAP 092E/07  
ANNUAL CHANGE 6.9 YEAR WEST

National Topographic Data Base (NTDB)  
URL: <http://www.geogatis.ca>

Natural Resources Canada, Centre for Topographic Information  
Canadian Digital Elevation Data (CDED)  
URL: <http://www.geogatis.ca>

Base Mapping and Geomatics Services - B.C. Government

**LOCATION MAP**