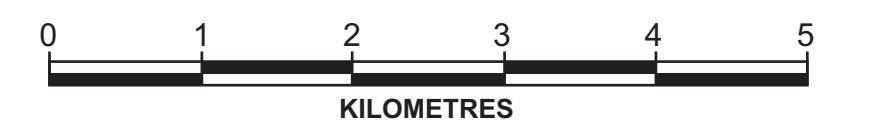
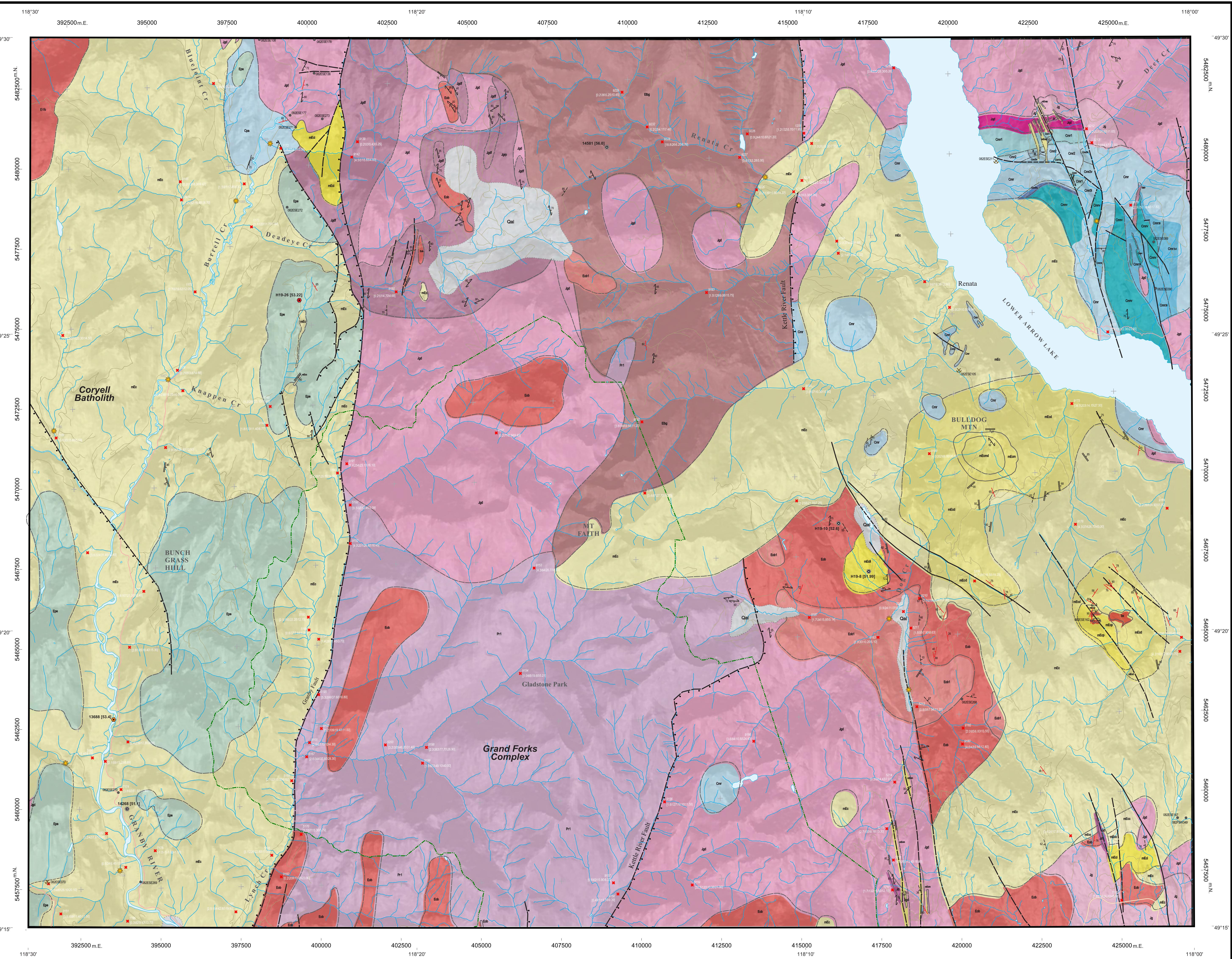
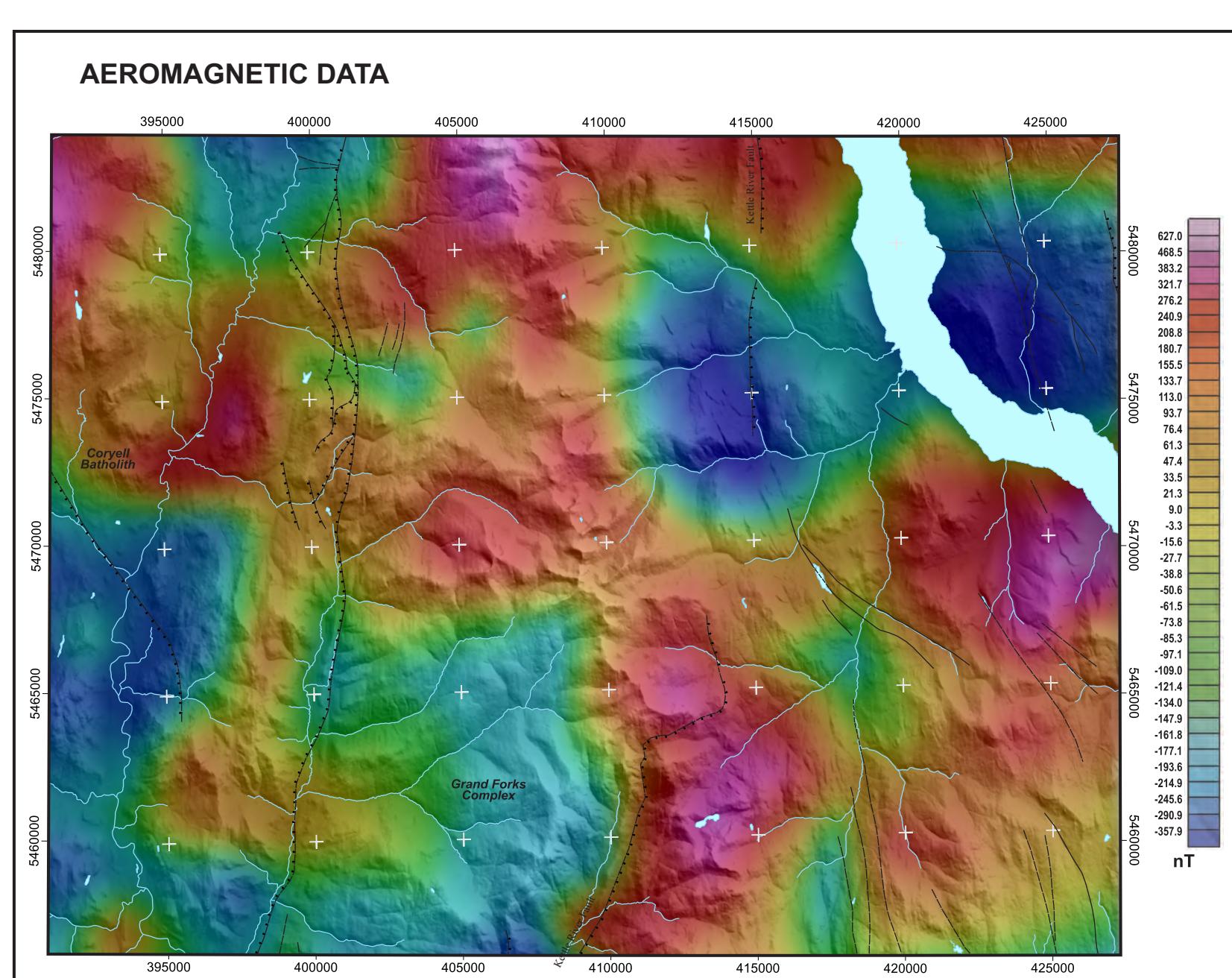
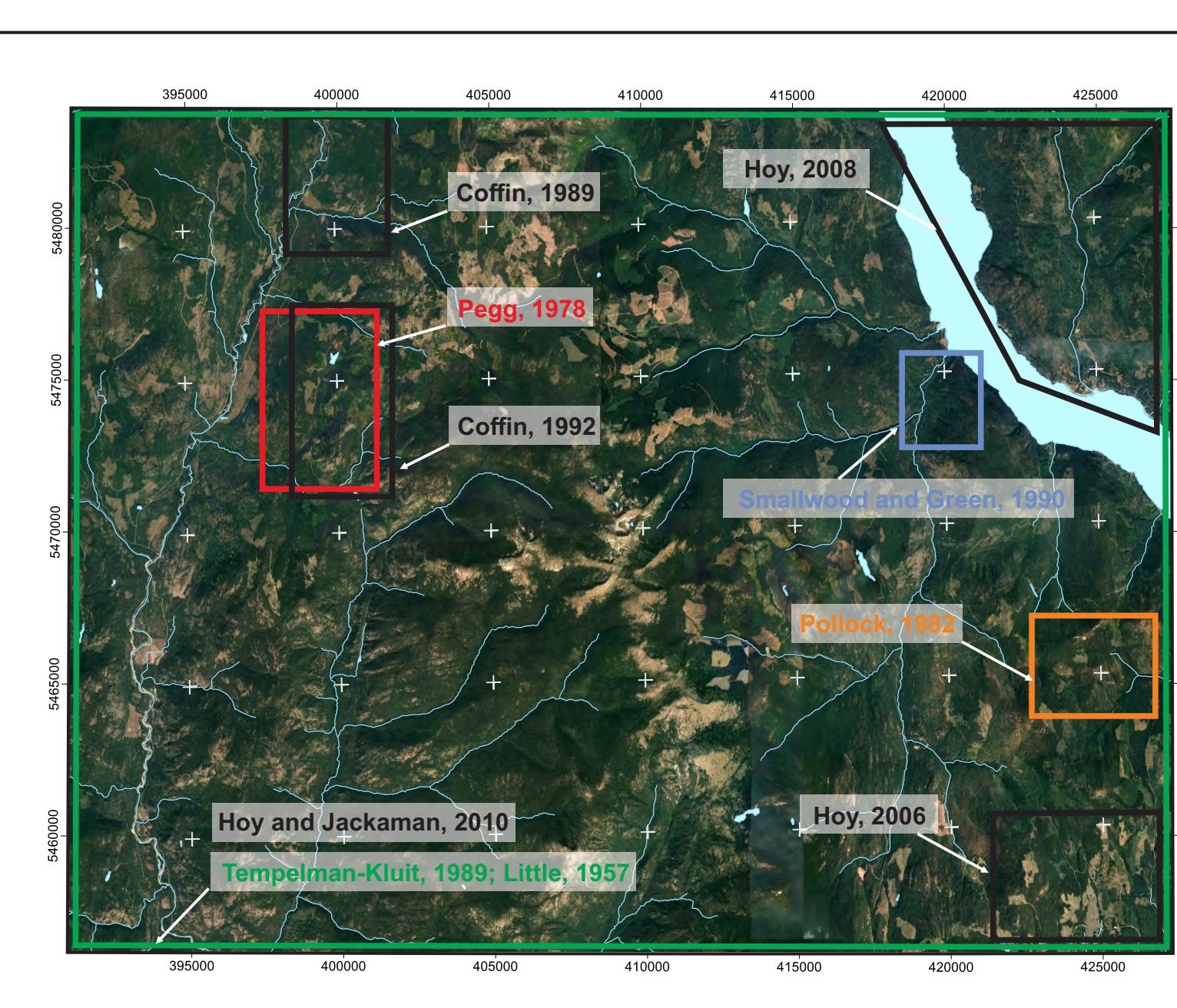


**GEOLOGY
of the
DEER PARK MAP SHEET**
NTS 082E/08
SCALE 1:50 000

Geology and Compilation by Trygve Höy
Cartography by Wayne Jackaman


CENOZOIC						
QUATERNARY						
Qal Alluvium, sand, gravel, till						
EOCENE						
PENTICTON GROUP						
Epe 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						
CORYELL PLUTONIC SUITE						
mEc Undifferentiated syenite and monzonite, massive to porphyritic						
mEcI Syenite, fine to medium grained, massive to porphyritic						
mEcII Syenite, generally medium to coarse grained, massive to locally porphyritic						
mEcSy Syenite-K-feldspar porphyry, locally, monzonite dike						
mEcM Monzonite, monzodiorite, syenite; medium to coarse grained, locally porphyritic						
mEcD Monzonite, syenodiorite; includes dike and dike swarms						
mEcDm Monzodiorite, syenodiorite						
mEcDl Syenite dikes, locally porphyritic; may locally include granite						
mEcBx Breccia complex, bx; Midas porphyry complex						
mEcP Syenite porphyry, cp; Midas porphyry complex						
OKANAGAN BATHOLITH						
Eob Granite, locally megacrystic porphyritic; massive medium to coarse-grained granite; quartz monzonite						
Eob1 Porphyritic granite, granodiorite, with K-feldspar phenocrysts						
Elbg Ladybird granite: undifferentiated granite, massive to porphyritic, medium to coarse grained						
MESOZOIC						
JURASSIC - TRIASSIC (?)						
Jgd Granodiorite; less commonly quartz diorite, granite; may include Eob						
Jd Hornblende-pyroxene diorite; generally fine grained and granular						
Jg Granite, granodiorite; generally massive, medium to coarse grained						
Jgrp Porphyritic granite, granodiorite						
Jqd Quartz diorite, fine to medium grained; minor granodiorite						
Jgdf Undifferentiated granodiorite; minor diorite or granite; foliated						
PALEOZOIC						
PERMIAN TO CARBONIFEROUS						
MOUNT ROBERTS FORMATION						
Cmr Undivided metasedimentary and metavolcanic rocks						
Cmrn Undivided metavolcanic rocks, mafic tuff, greenstone, minor argillite						
Cmr3i Limestone, marble; Cmr3i - siltstone, argillite						
Cmr2i Undifferentiated, mainly metasedimentary rocks; 2i - calc-silicate schist, gneiss, marble; 2ii - siltstone, argillite; 2ii - calcareous schist, siltstone; 2iv - siltstone, minor tuff; 2v - greenstone, tuff; 2vi - argillite, argillaceous siltstone						
Cmr1t Gneissic amphibolite, granodiorite; Cmr1a - granodiorite, amphibolite, hornblende gneiss						
Cpa ANARCHIST SCHIST: Undifferentiated metasedimentary and metavolcanic rocks; schist, argillite, siltstone						
PRECAMBRIAN						
PROTEROZOIC TO EARLY PALEOZOIC?						
GRAND FORKS COMPLEX						
Pr1 Undifferentiated paragneiss, schist, pegmatite, marble						
SYMBOLS						
CONTACT OF ALLUVIUM						
CONTACT: DEFINED, APPROXIMATE, HIDDEN						
FAULT: DEFINED, APPROXIMATE, HIDDEN						
NORMAL FAULT: APPROXIMATE, HIDDEN						
BEDDING						
FOLIATION, CLEAVAGE						
VEIN						
DIKE						
FAULT						
MINERAL OCCURRENCE - PAST PRODUCER						
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						
LOCATION MAP						


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AGES

SAMPLE TIME	UTM	ROCK TYPE	UNIT	REFERENCE	DATED BY	METHOD	AGE	ERROR
H19-8	417248	546699	monzonite	Coffin, 1989	T. Hoy et al. (2			