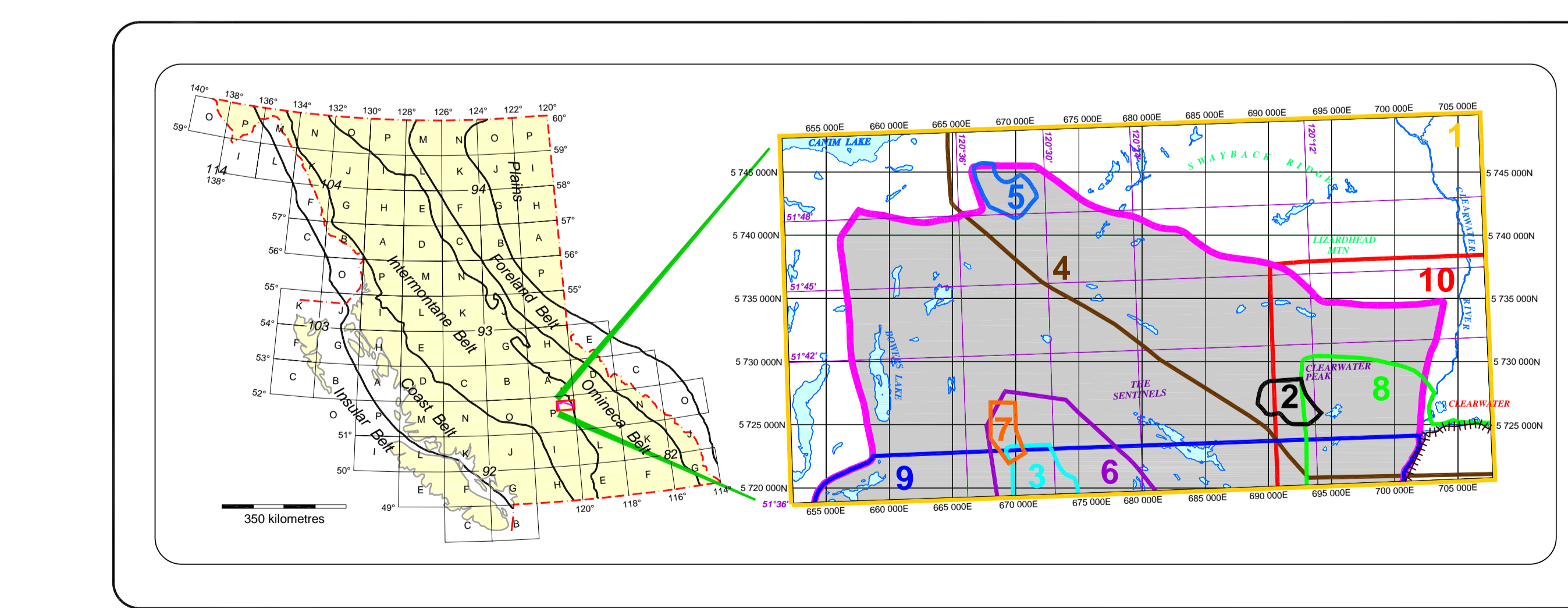


**QUATERNARY**  
 Qal Unconsolidated glacial, fluvial and alluvial deposits  
 Qal-Qc Qal related to various stages of the ice advance of Qal  
 Qs Sand  
**OCENE**  
 Kermanshah Group  
 Kq Sandstone, siltstone, shale, volcanic breccia  
 Kq-1 Minor amounts of sandstone, siltstone, conglomerate  
**CRETACEOUS**  
 Laminated mudstone, siltstone  
**JURASSIC or CRETACEOUS**  
 Jk Gneiss, granodiorite, quartz-feldspar porphyry  
**EARLY JURASSIC**  
 Jc Siltstone, sandstone, conglomerate  
**LATE TRIASSIC(?) and EARLY JURASSIC**  
 Jd Volcanic conglomerate, breccia, sandstone; rare pillowed in massive pyroxene perthite basalt  
 Jd-1 Syenite, monzonite, quartz monzonite  
 Jd-2 Diorite, monzonite, gneiss, intrusion breccia, pyrite-sulfide altered rock, slaty and chloritic schist  
 Jd-3 Diorite, monzonite, gneiss, locally includes monzonite, syenite and intrusion breccia  
**MIDDLE AND LATE TRIASSIC**  
 Nucleus Group  
 Lp-1 Volcanic breccia, siltstone, conglomerate, volcanic breccia, tuff, basalt, chert, limestone  
 Lp-2 Mafic volcanic breccia, massive pillowed pyroxene perthite basalt; minor amounts of volcanic sandstone, siltstone and conglomerate  
 Lp-3 Monzonite Lake succession  
 Lp-4 Siltstone, argillite, siltstone, conglomerate, limestone  
 Lp-5 Volcanic conglomerate, sandstone  
 Lp-6 Hornblende pyroxene porphyry  
**WISNEY LAKE SUCCESSION**  
 Ws-1 Chert, silt, siltstone, volcanic sandstone, conglomerate  
**LEMOUR CREEK SUCCESSION**  
 Lm-1 Siltstone, silt, siltstone, sandstone, quartzite, silt, limestone  
**CARBONIFEROUS - PERMIAN**  
 Harper Ranch Group  
 CPr-1 Siltstone, argillite, chert, limestone  
**Formed Formation**  
 Upper Structural Division: pillowed and massive basalt; minor amounts of chert, diabase, gabbro  
 Lower Structural Division: chert, silt, siltstone, basalt, gabbro, diabase

**SYMBOLS**  
 Geological contact (defined, approximated, inferred)  
 Geological contact (inferred, projected under Qal)  
 Fault (defined, approximated, inferred)  
 Fault (inferred, projected under Qal)  
 Fault (inferred, not shown on map)  
 Bedding, top known (defined, inferred)  
 Bedding, top unknown (inferred, vertical)  
 Slaty cleavage or schistosity (defined, vertical)  
 Cleavage (inferred)  
 Axis of mesozoic fold  
 Mineral occurrence  
 Location of isotopically dated sample (3 P's 2000)  
 Mineral occurrence with MINFILE number (Table 1)  
 Showing  
 Prospect  
 Arsenic sample with sample number (Table 2)  
 First station (shown only when not indicated by another symbol)  
 Limit of extensive Qal cover  
 Line of mapping  
 Contours (100 metre intervals)  
 Roads (paved, gravel, rough)

**TABLE 2: ASSAY DATA**

Element	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	Al	U	Th	Sr	Ca	V	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Si	Sc	Y	Sr	Hg	Se	Ta	Te	Ga	Au	Pt	Pd
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Method	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES
Lab	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES	AAES
Detection	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	



- OPEN FILE 2002-15** Based on geological mapping by the B.C. Geological Survey Branch, 2000-2001. The names to the north are from the 1:50,000 scale map of the same area.
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**TABLE 1: MINERAL OCCURRENCES**

MINFILE No.	Name	Eastings	Northings	Commodities	Type
092P 007	Bog	675000	572700	Cu, Pb, Zn, Ag	Pyrite, chalcopyrite and bornite along fractures, in quartz veins and in conglomerate
092P 108	And	686000	5721400	Mn, Cu	Massive sulfide lenses containing pyrite, pyrite, chalcopyrite and bornite
092P 022	Double Lake	678100	574300	Mn, Cu	Pyrite, chalcopyrite and bornite disseminated in argillite and siltstone veins
092P 023	Alu	675400	574240	Mn	Molybdenite, pyrite and chalcopyrite along fractures and siltstone veins
092P 025	Cl	681300	5743700	Mn	Molybdenite in quartz veins and along fractures
092P 107	Hoat	674000	5743300	Mn	Pyrite, pyrite, chalcopyrite and bornite of molybdenite
092P 116	CP 20	680140	573810	Cu	Quartz vein with chalcopyrite
092P 117	CP 17	685240	573520	Cu	Quartz vein with chalcopyrite
092P 118	CP 24	688800	573140	Cu	Quartz vein with chalcopyrite
CP 41	PS	685240	5727200	Pb	Quartz-carbonate vein with barite

