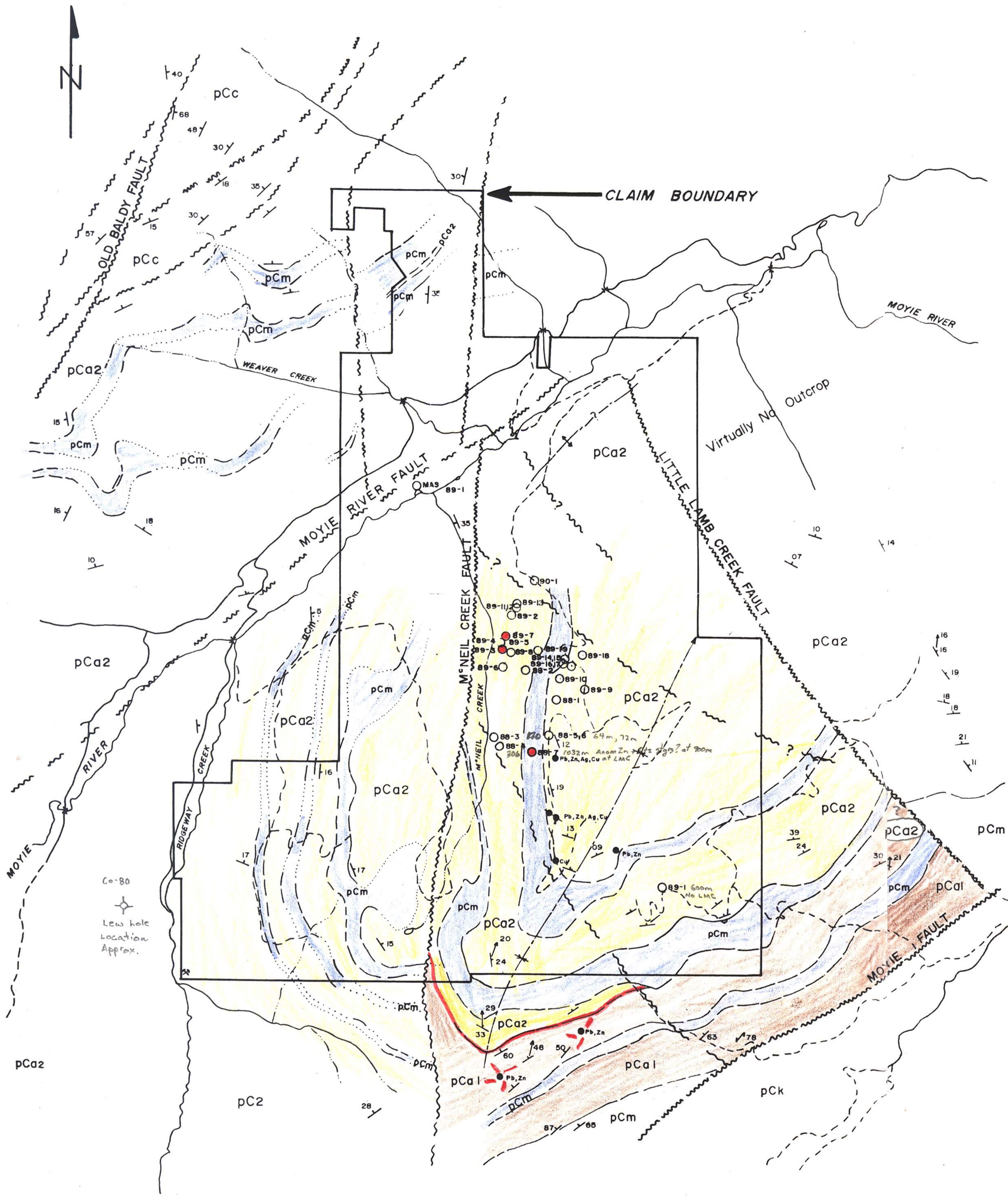


McNeil Ck Prop 1:50,000



- PLEISTOCENE AND RECENT**
- TILL, GRAVEL, SAND, AND ALLUVIAL DEPOSITS
- LOWER CRETACEOUS**
- QUARTZ MONZONITE, GRANDODIORITE
- DEVONIAN (?)**
- FAIRHOLME GROUP**
- DARK GRAY TO BLACK, FINE-GRAINED FOSSILIFEROUS LIMESTONE; LOCAL MODULAR CHERT BEDS; BASE COMMONLY MARKED BY A FLUVIAL COBBLE CONGLOMERATE OVERLAIN BY A MEDIUM TO COARSE-GRAINED SANDSTONE
 - 'PEAVINE CONGLOMERATE'
 - COBBLE TO COARSE BOULDER, POLYMICITIC PARACONGLOMERATE, WITH SILT TO SAND MATRIX; MASSIVE TO MODERATELY WELL BEDDED
- MIDDLE PROTEROZOIC**
- MOYLE INTRUSIONS
 - METADIORITE TO METAGABBRO SILLS AND LOCALLY DYKES
- PURCELL SUPERGROUP**
- ROOSVILLE FORMATION**
 - GRAY TO BLACK ARGILLITE WITH INTERCALATED GREEN SILTSTONE; GREEN SILTY ARGILLITE WITH THIN MAUVE SILTSTONE INTERLAYERS; OCCASIONAL THIN DOLOMITE, STROMATOLITIC DOLOMITE, AND CONGLOMERATE LAYERS
 - PHILLIPS FORMATION**
 - THIN-BEDDED PURPLE AND RED ARGILLITE, SILTSTONE AND QUARTZITE; MINOR GREEN SILTSTONE INTERLAYERS NEAR BASE.
 - GATEWAY AND SHEPPARD FORMATION**
 - UPPER: THIN-BEDDED, FINELY LAMINATED GREEN SILTSTONE; MINOR PURPLE ARGILLITE
 - MIDDLE: GREEN, BROWN, AND REDDISH BROWN SILTSTONE AND QUARTZITE; INTERBEDS OF GREEN AND PURPLE ARGILLITE; DIAGNOSTIC SALT CRYSTAL CASTS THROUGHOUT
 - LOWER (SHEPPARD FORMATION): THIN-BEDDED DOLOMITE, STROMATOLITIC DOLOMITE; MAUVE, GRAY, AND GREEN SILTSTONE, DOLOMITIC SILTSTONE, AND QUARTZITE; COBBLE-BOULDER POLYMICITIC PARACONGLOMERATE AT BASE

- PURCELL SUPERGROUP (CONTINUED)**
- NICOL CREEK FORMATION**
 - PURPLE AND GREEN, AMYGDALOIDAL AND VESICULAR BASAL PORPHYRITIC (PLAGIOCLASE PHENOCRYSTS); INTERLAYERS PURPLE SILTSTONE LAYERS (nc); PURPLE VOLCANICLASTIC AND SANDSTONE
 - VAN CREEK FORMATION**
 - THINLY LAMINATED PALE GREEN AND PURPLE SILTSTONE A CHARACTERISTICALLY REDDISH ORANGE WEATHERING; THIN PURPLE AND RED ARGILLACEOUS LIMESTONE; GREEN SILTY MINOR ARGILLACEOUS LIMESTONE NEAR BASE
 - KITCHENER FORMATION**
 - MEDIUM TO DARK GRAY SILTY AND ARGILLACEOUS DOLOMITIC ARGILLITE, AND ARGILLACEOUS LIMESTONE; GRAY SILTY BLACK ARGILLACEOUS PARTINGS; MINOR GREEN SILTSTONE
 - CRESTON FORMATION**
 - LIGHT TO MODERATE GREEN SILTSTONE AND ARGILLITE; LIGHT BROWN, AND PURPLE-TINGED SILTSTONE AND ARGILLITE; MINOR BUFF-WEATHERING DOLOMITIC SILTSTONE
 - ALDRIDGE FORMATION**
 - pCa1 (UPPER ALDRIDGE)**: THINLY LAMINATED, RUSTY WEATHERING TO DARK GRAY ARGILLITE AND ARGILLACEOUS SILTSTONE.
 - pCa2 (MIDDLE ALDRIDGE)**: THIN TO THICK-BEDDED GRAY INTERLAYERED WITH LAMINATED SILTSTONE; SILTSTONE A WEATHERING ARGILLITE DOMINATE NEAR TOP
 - pCa3 (LOWER ALDRIDGE)**: RUSTY WEATHERING SILTSTONE WITH INTERBEDS OF SILTY ARGILLITE; INTERLAYERED RU QUARTZ WACKE AND SILTSTONE NEAR TOP

SYMBOLS

- ROCK OUTCROP
- GEOLOGICAL CONTACT: DEFINED, APPROXIMATE, ASSUMED
- FAULT: DEFINED, APPROXIMATE, ASSUMED
- THRUST OR REVERSE FAULT
- NORMAL FAULT
- FOLD AXIAL TRACE: ANTICLINE-OVERTURNED
- SYNCLINE: OVERTURNED
- BEDDING: INCLINED, OVERTURNED
- TOPS UNKNOWN
- FLOW STRUCTURE IN VOLCANICS
- FOLIATION, CLEAVAGE
- LINEATION
- MINOR FOLD AXIS (SHOWING VERGENCE)
- SMALL SHEAR (SHOWING DIP)
- MINERALIZED VEIN (SHOWING TREND)
- MINE, PROSPECT, OR OCCURRENCE
- SILT SAMPLE LOCATION
- EDGE OF MAPPING
- TOPOGRAPHIC CONTOUR: 500 FT. INTERVAL
- ROAD: HARD SURFACE
- LOOSE OR STABILIZED SURFACE
- LAKE

BAPTY RESEARCH LIMITED/SOUTH KOOTENAY GOLDFIELD

McNEIL CREEK PROJECT

REGIONAL GEOLOGY

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FIGURE

DRAWN BY

MJC

SCALE:

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