

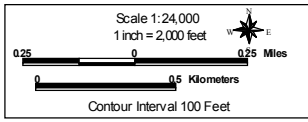
Geology of the Greens Creek Mine Area

- Jura-Cretaceous**
- Kk** Seymour Canal Flysch
- Upper Triassic**
- Hyd Group (h)**
- ahba** Basalt
 - ahbc** Gabbro
 - ahbd** Amphibole
 - clh** Limestone
 - clha** Mire Argillite
 - clhc** Conglomerate
 - clhb** Fault Breccia
 - clhr** Siliceous Rock
 - clhsa** Serpentine
 - clhsc** Green Carbonate
 - clhpb** Black Phyllite
- Permian/Carboniferous**
- Camery Formation (c?)**
- cpw** Siliceous White Phyllite
 - pc** Siliceous Schistose Sediments
 - cp** Diomitic Phyllite
- Devonian**
- Retreat Group (r)**
- Dg** Greenstone
 - Dpb** Black Phyllite
 - Dm** Marble

- D5** Major northwest-trending generally right lateral brittle/ductile faults
 - D4** Late reactivation of D1 thrusts postdating D1 (opt shown)
 - D3** Northwest-southeast trending chevron-style foldrg with spaced axial planar cleavage
 - S3** F2 F3 Fold with plunge of axis and dip of axial plane
 - S2** F2 F3 Fold with plunge of axis and dip of axial plane
 - D2** Dominant east-west trending, shallow south dipping penetrative foliation axial planar to recumbent isoclinal folds and south to north verging thrusts (Zinc Creek Thrust and Upper Cliff Creek Thrust)
 - D1** Relict metamorphic segregation foliation in Retreat group greenstone and black phyllite (not shown)
 - S3** Bedding
- Lithologic Contacts
 — Major Brittle/Ductile Faults
 — D2 Thrust Faults

Completed by N. Duke & A. West 2001
 Sources of Mapping:
 Early Compilers by T. Cofford 1980's
 Area Mapping by N. Duke 1995-2001
 Detailed Mapping by P. Lirtberg 1994-1998
 J. Profet 1997-2001
 A. West 2000-2001
 C. Schrader 2000

- Land Boundaries**
- Adm. Isl. Nat. Mon.
 - Experimental Forest
 - GC Joint Venture
 - Land Exchange
- Surface Features**
- Surface Roads
 - Buildings
 - Streams



- Mineralization**
- Prospects/Mineral Occurrences
- Metamorphic Domains**
- Greenschist Facies:**
 "Greens Creek Domain" bounded by the Young Bay SZ and Greens Creek Thrust
- Epidote-Amphibole Facies:**
 Northeast of Young Bay SZ
 Southwest of Greens Creek Thrust
- Garnet-Amphibole Facies:**
 South of Upper Cliff Creek Thrust

