

TABLE 1. (Cont.)

	RENISON (after Patterson et al)	CLEVELAND (after P.L.F. Collins, 1981)	RING RIVER
Mineralisation	<p>a) Stratabound, pyrrhotite minor cassiterite, arsenopyrite, quartz, tourmaline, talc, tremolite, siderite, fluorite. Mineralisation occurs at the intersection of the Bassett-Federal Fault and dolomite.</p> <p>b) Fault controlled, veins with extensive or limited wall-rock replacement. Pyrrhotite, cassiterite, arsenopyrite, gangue of quartz, tourmaline, phlogopite, muscovite.</p> <p>c) Late stage veins: calcite, fluorite, quartz, galena, chalcopyrite.</p>	<p>Sub-parallel sulphide lenses in Hail Formation composed of quartz, tourmaline, fluorite, chlorite, pyrrhotite, chalcopyrite, cassiterite, stannite.</p> <p>Stages of Mineralisation:</p> <ol style="list-style-type: none"> 1) Prograde stage - quartz, molybdenum, cassiterite stock work 2) Mineralisation of reverse faults, sulphide lenses + veins surrounding host rock. 3) Epidote, quartz, arsenopyrite, chlorite, fluorite. 4) Fluorite, dolomite calcite. 5) Quartz, pyrite 	<p>Numerous small vein deposits.</p> <p>Fahlors Mine & Ring River Valley Mine: jamesonite (46628), galena, chalcopyrite, pyrite, tetrahedrite, siderite.</p> <p>Svengali: chalcopyrite, siderite, quartz</p> <p>Moore's Pimple: galena, sphalerite, pyrite, chalcopyrite, zaratite, fuchsite, dolomite.</p> <p>Block 302: pyrite, galena, tetrahedrite (46635)</p> <p>Adit 5,368,100N 374,270E: pyrite (46624)</p> <p>Adit 5,366,260N 373,900E: chalcopyrite-tetrahedrite (46651)</p> <p>*() denotes assay sample number.</p>
Structural Controls	<p>Mineralisation occurs at intersection of dolomite beds and Bassett-Federal Fault, a reverse high angle fault which parallels the major anticlinal axis of the area.</p>	<p>Assent of hydrothermal fluids emanating from Meredith Granite, through fractures and joints and subsequent replacement of limestone beds.</p>	<p>Shear zones - dilation zones? in close proximity to major faults (NE-SW in most cases).</p>
Zoning	<p>Metal zoning within orebody. Cassiterite quartz deposits occur a few kilometres east of Renison in an ENE direction. Minor galena, sphalerite mineralisation occurs 3km NW of Renison - but no well developed Pb-Zn halo</p>	<p>Zonal pattern - concentric zones around the Nadir Fault & quartz, wolframite, molybdenum stockwork central zone; trace Sn</p> <p>Ore zone: 1% Sn</p> <p>Low Grade zone: 0.1% Sn and increased sphalerite and arsenopyrite.</p> <p>Fourth zone: below fault - increased magnetite actinolite</p> <p>Quartz sulphide veins show host rocks surrounding deposits. A zoning pattern at extremities of ore sphalerite, pyrrhotite, arsenopyrite first appearing 50-60m from orebody and increasing in content away from orebody. Similar pattern for Crescent Spur Sandstone also with increased galena.</p>	