



Figure 2. Geometry of the three recognized caldera structures in the Blake River Group. Major faults constrain the subaqueous Misema, New Senator and Noranda calderas with major volcaniclastic units favouring the zone between the inner and outer ring faults. The New Senator caldera displays bounding faults hosting numerous VMS deposits and showings. The inter-relationship between caldera-forming events is significant for VMS exploration and understanding the volcanic stratigraphy (MDF, McDougall fault; HuCF, Hunter Creek fault; BF, Beauchastel fault; and HoCF, Horne Creek fault;). Red box denotes study area (modified from Pearson and Daigneault, 2009).