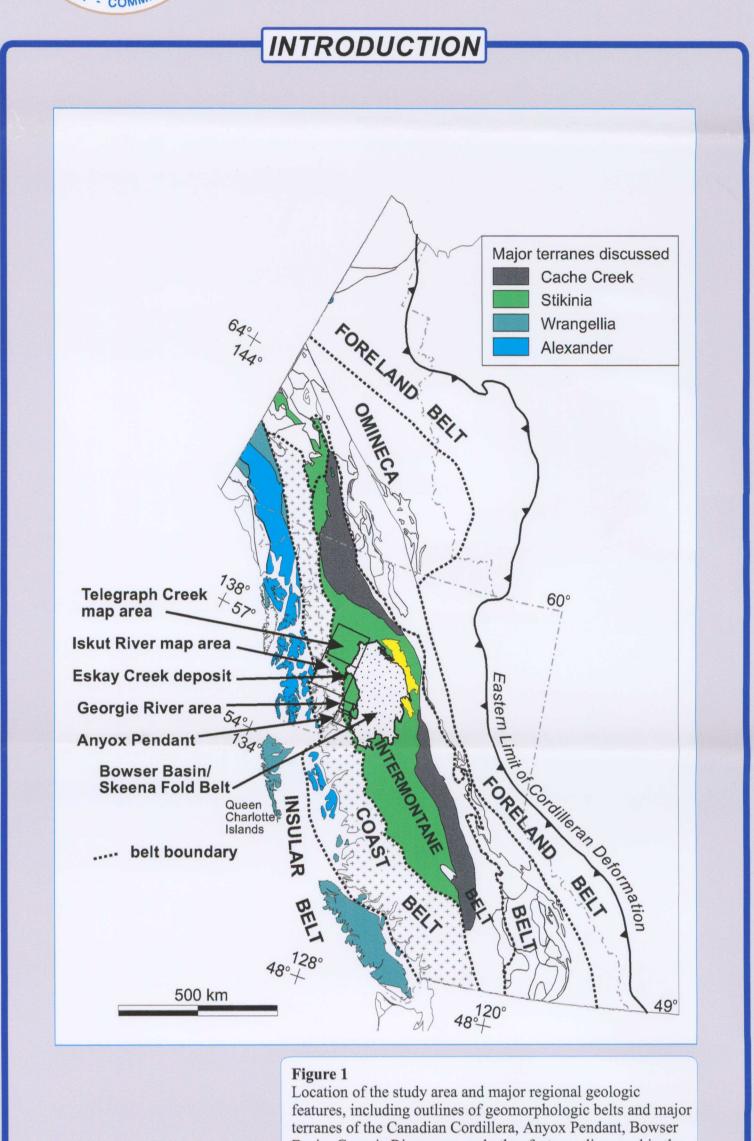
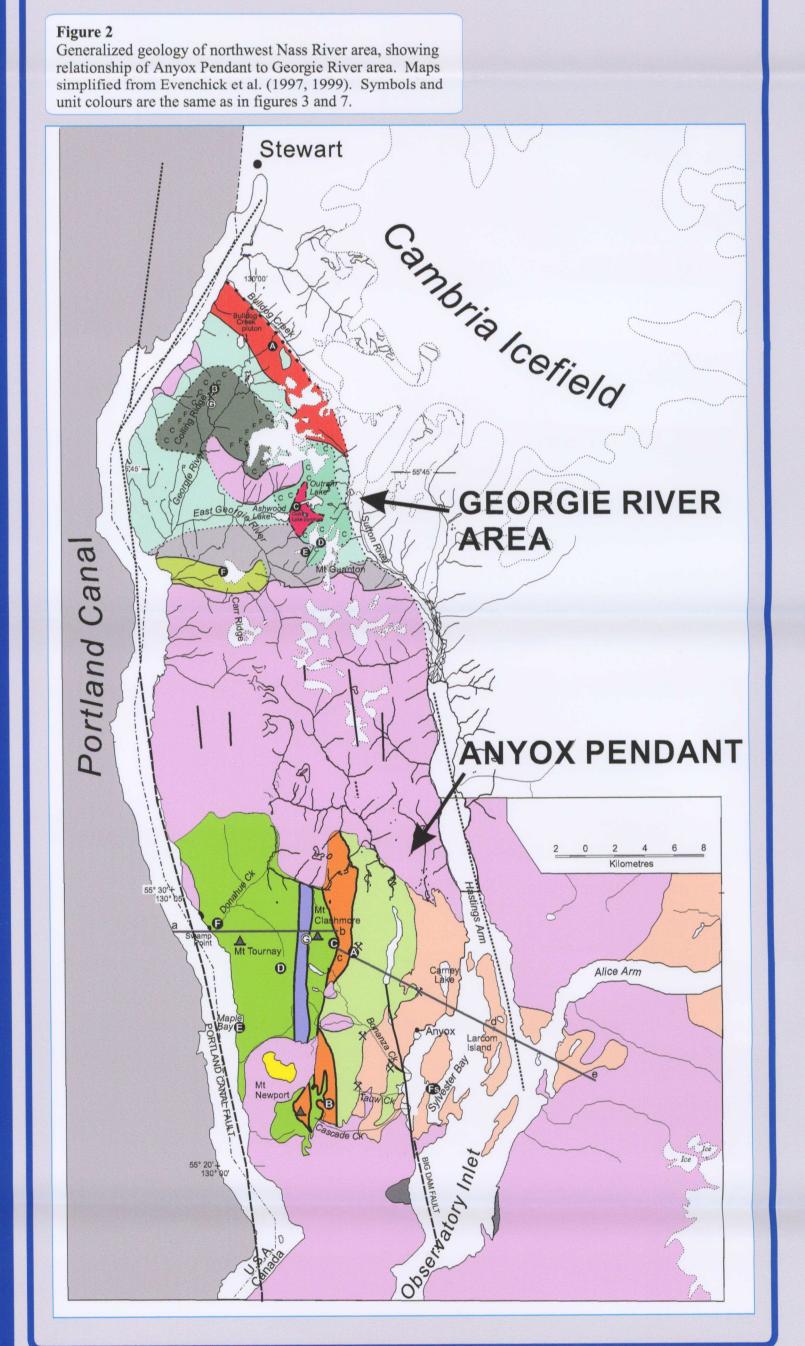
Recent advances in geologic framework and correlation in the Anyox Pendant and Georgie River area, northwest British Columbia, and their implications for mineral exploration C.A. Evenchick and V.J. McNicoll,

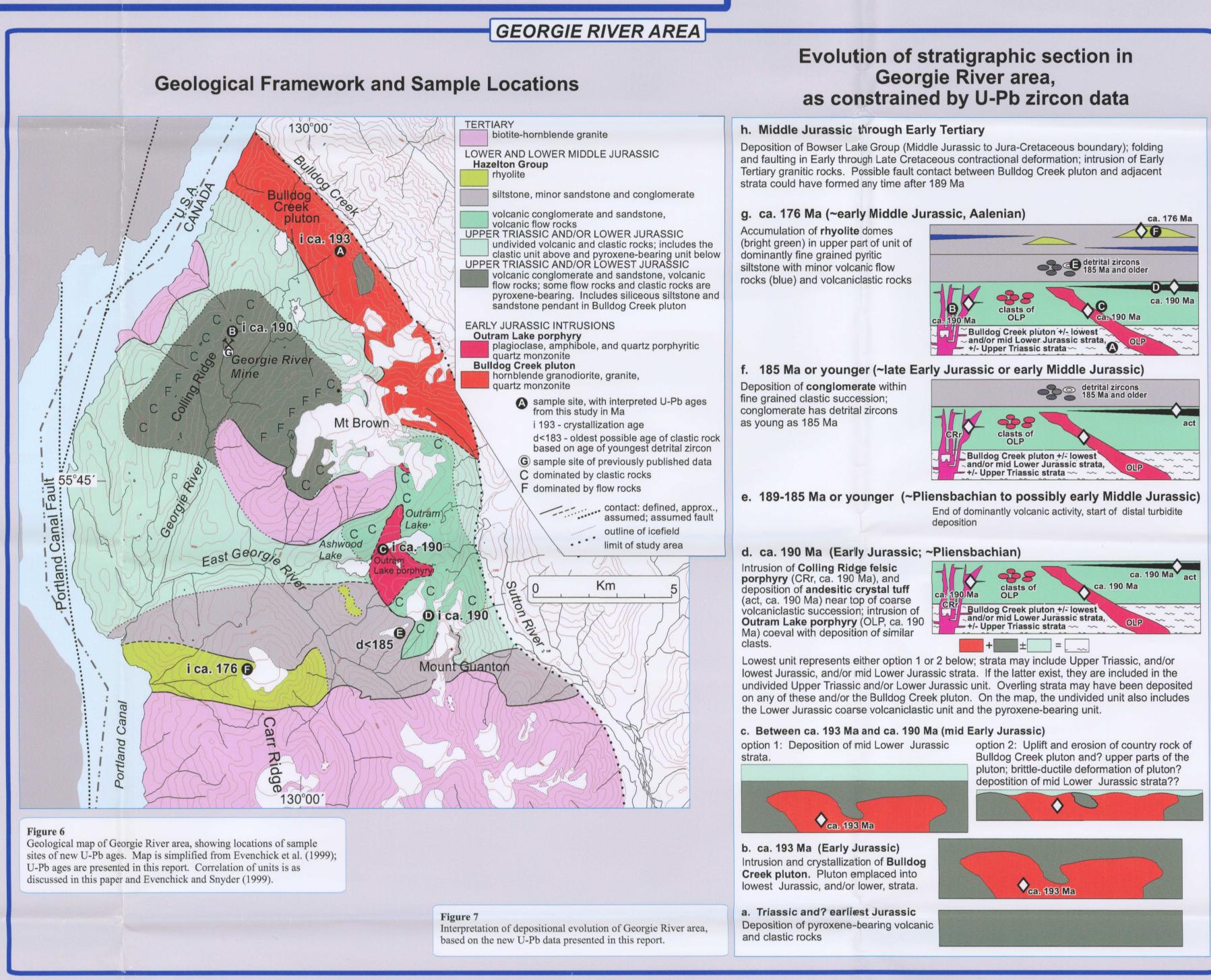
GSC Open File 4164 Part 2, sheet of diagrams to accompany report

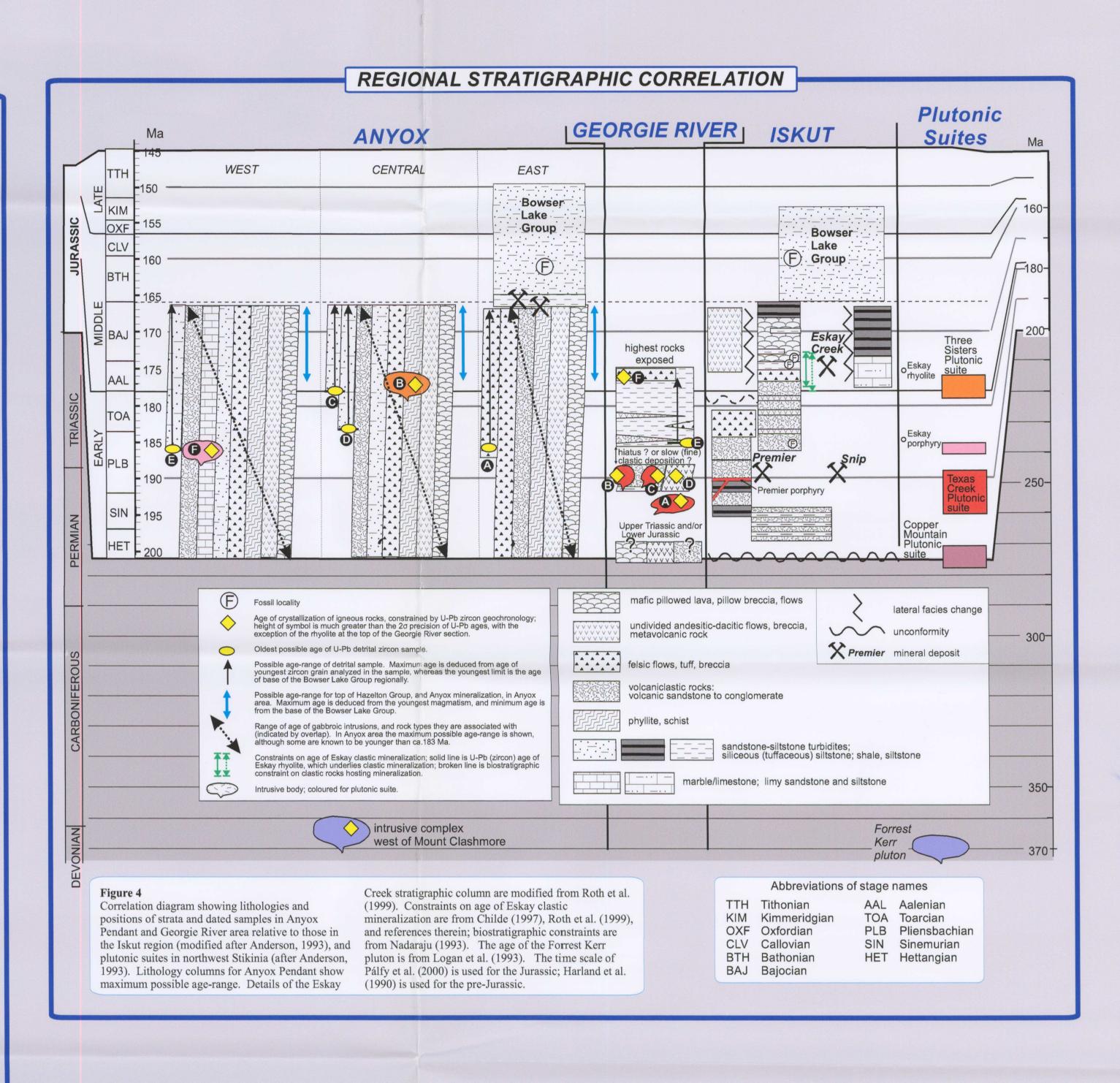


Basin, Georgie River area, and other features discussed in the

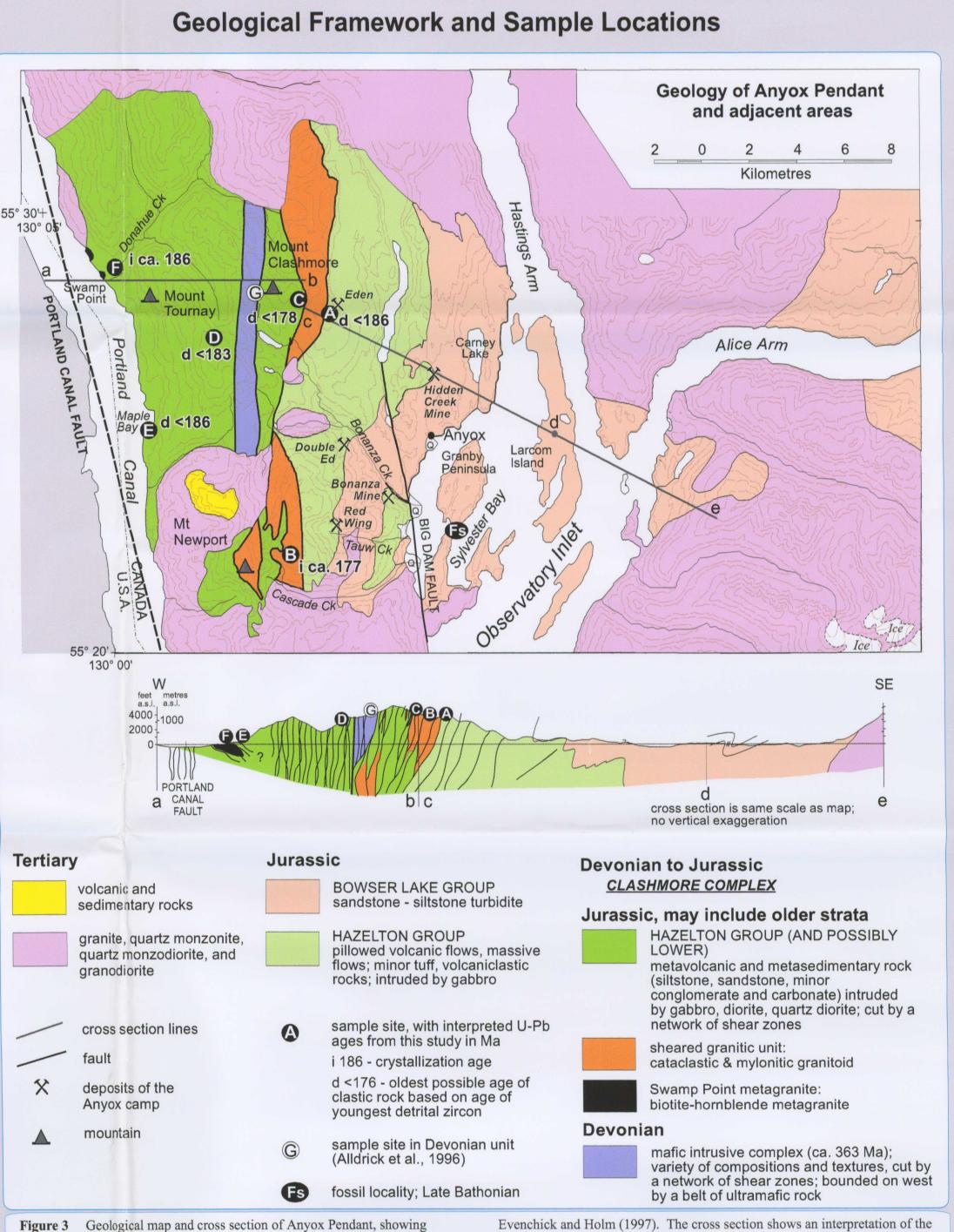
text. Modified after Wheeler and McFeely, 1991.







## ANYOX PENDANT



locations of sample sites of new U-Pb ages, and major deposits in the Anyox

presented in this report. Correlation of units is as discussed in this paper and

camp. Map is simplified from Evenchick et al. (1997); U-Pb ages are

large scale structural geometry. The network of faults in the western pendant is

diagrammatic; the size of tectonic lenses ranges from outcrop scale to hundreds

of metres long, and cannot be accurately portrayed on this diagram.

## **Evolution of stratigraphic section in Anyox Pendant,** as constrained by U-Pb zircon data d. present zones in western pendant resulted in the present distribution of units. Their development is speculated by the present distribution of units. Their development is speculated to have been facilitated by a myriad of early Middle Jurassic or older extensional faults in sub-Bowser strata. The shear zones are cross section is same scale as map; interpreted to have been coeval with contraction in Bowser Lake Group expressed as folds. c. pre-Cretaceous Accumulation of more than 3000 m of Bowser Lake Group turbidites, including ammonite-bearing rocks of Late Bathonian age 2000 m above Devonian rocks at same crustal level as Jurassic rocks as a result of early Middle Jurassic and/or earlier -possible age-range of detrital samples is indicated by arrow above hanging walls and footwalls of faults presently at surface future (Cretaceous) faults, may include b. early Middle Jurassic and earliest late Middle Jurassic (Aalenian, Bajocian, earliest Bathonian; ca. 178 - 166 Ma) Hidden Creek Mine Accumulation of volcanic flow and volcaniclastic strata related to early Middle Jurassic magmatism; intrusion of sheared granitic unit @177 Ma into Early Jurassic and older strata. Complex source for 178 Mal or younger conglomerate. Cessation of magmatism (and end of Hazelton Group deposition) in Bajocian or Early Bathonian time; from regional constraints this was likely at the end of Bajocian time. lower 3 time slices: gabbroic dykes and sills -Early Jurassic volcanic and/or plutonic source for 186 or younger and 183 or younger sandstones; -183 Ma or younger sandstone intruded by gabbro sills/dykes -detritall zircon samples are shown in lowest possible stratigraphic a. Early Jurassic (ca. 200 to 178 Ma) siliceous fine grained sandstone, sandstone, Maple Bay Mt. Tournay tuffaceous siltstone east of Mt. Clashmore Accumulation of volcanic flow and end of Early Jurassic volcaniclastic strata related to late Early Jurassic magmatism. ≤186 Ma 🔷 Intrusion of Swamp Point metagranite @186 Ma into Early Jurassic and older strata; dated clastic rocks may Permian Triassic Stuhini Group, Devonian be this age or younger. and/or older volcanic, volcaniclastic, intrusive complex Stikine Assemblage and plutonic rocks Sub-Jurassic geology shows the units known to exist regionally, but hypothetical stratigraphic markers to aid illustration of development of stratigraphic dated clastic rock the only the Devonian intrusive dated intrusive rock complex occurs locally. Note that the colours depicting the two major stratified Interpretation of depositional and structural evolution of voclanogenic units do not portray stratigraphic position. The Anyox Pendant. The 4 lower diagrams show spatial and lighter green is Hazelton Group, whereas the darker green is temporal relationships only; no scale is inferred and Hazelton Group and *possibly* lower strata. No stratigraphic geometries of unit boundaries are poorly constrained. The boundaries are recognized between these two. Therefore, the

pre-Cretaceous diagram shows inferred restored sample

wall or footwalls of faults.

positions, and the present major unit boundaries as hanging

nature and position of the boundary between them, shown in this

diagram as a lateral facies change, is unconstrained.