The volcanic rocks of Mount Persis (Tabor et al., 1993) in western Cascades, Washington, consist of dacitic to andesitic flows, minor rhyolite, and low-K andesite domes associated with the Providence intrusive complex (47Ga). These rocks are interpreted to be intrusive centers for the Mount Persis volcanic rocks (based on K-Ar age determinations; Dragovich et al., 2009). A combination of adakitic and enriched MORB affinities found in the Mount Persis samples are geochemically similar to the Mount Persis (Fig. 5) (Tabor et al., 1993; Dragovich et al., 2009). These samples are primarily andesite to dacite, tholeiitic to medium-K, alkaline, calcic, magnesian, and evolved rocks, with MORB affinities found in the Mount Persis samples are geochemically similar to the Mount Persis (Fig. 5) (Tabor et al., 1993; Dragovich et al., 2009). These samples are primarily andesite to dacite, tholeiitic to medium-K, alkaline, calcic, magnesian, and evolved rocks, with MORB affinities.

The volcanic rocks of Mount Persis (Tabor et al., 1993, 2000) consist of interbedded andesitic to basaltic flows with lesser andesitic to rhyolitic tuff, tuffaceous breccia, volcanic and tuffaceous sandstone (La Maître et al., 2002). The volcanic rocks of Mount Persis (Tabor et al., 1993, 2000) consist of interbedded andesitic to basaltic flows with lesser andesitic to rhyolitic tuff, tuffaceous breccia, volcanic and tuffaceous sandstone (La Maître et al., 2002).

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