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DEPARTMENT OF NATURAL RESOURCES

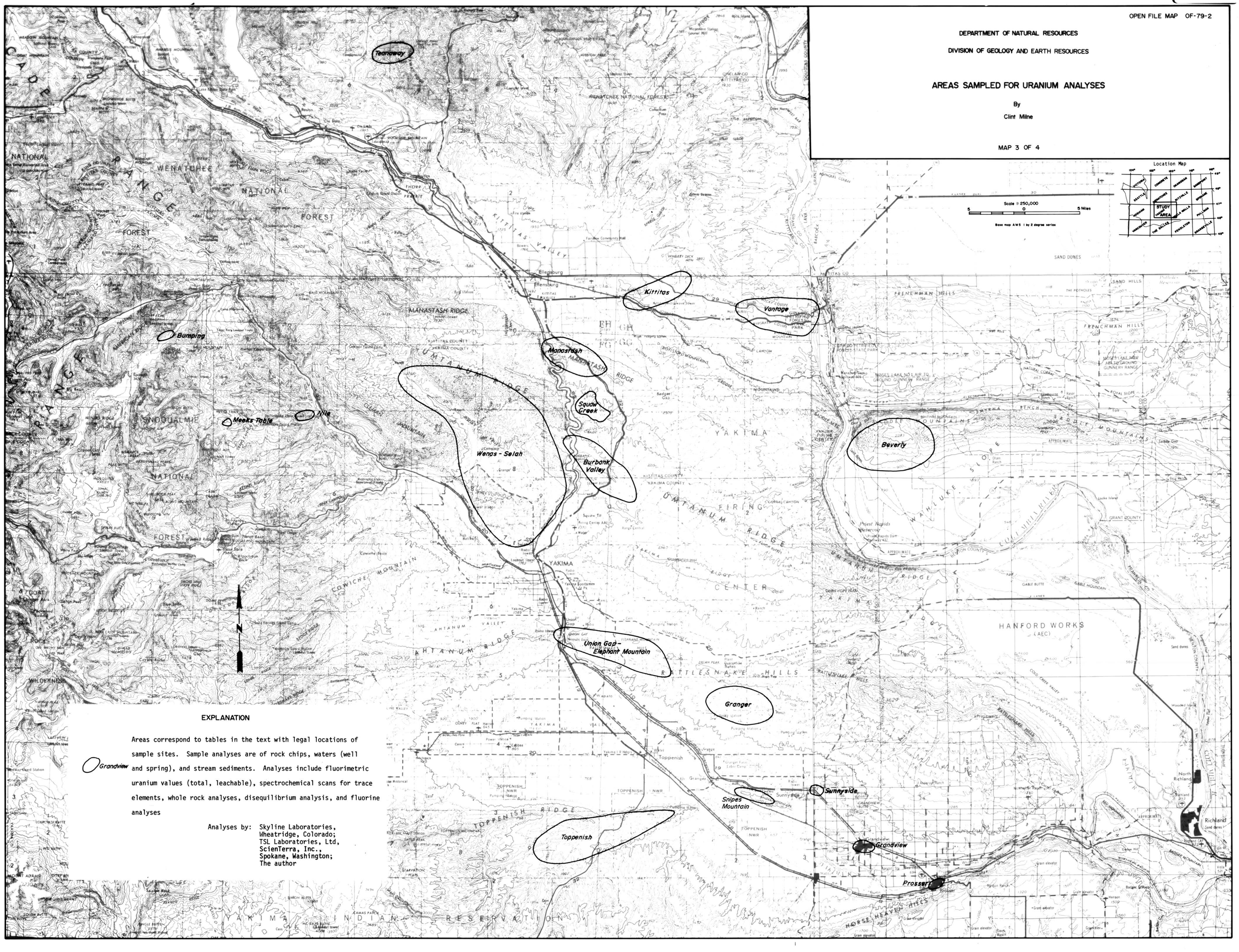
DIVISION OF GEOLOGY AND EARTH RESOURCES

AREAS SAMPLED FOR URANIUM ANALYSES

By

Clint Milne

MAP 3 OF 4



EXPLANATION

Areas correspond to tables in the text with legal locations of sample sites. Sample analyses are of rock chips, waters (well and spring), and stream sediments. Analyses include fluorimetric uranium values (total, leachable), spectrochemical scans for trace elements, whole rock analyses, disequilibrium analysis, and fluorine analyses

Grandview

Analyses by: Skyline Laboratories, Wheatridge, Colorado; TSL Laboratories, Ltd, ScienTerra, Inc., Spokane, Washington; The author

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DEPARTMENT OF NATURAL RESOURCES

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CROSS SECTIONS AND OUTCROP LOCATIONS OF URANIFEROUS ASH FALL TUFF AND PROBABLE SOURCE ROCK DISTRIBUTION FOR THE ELLENSBURG FORMATION

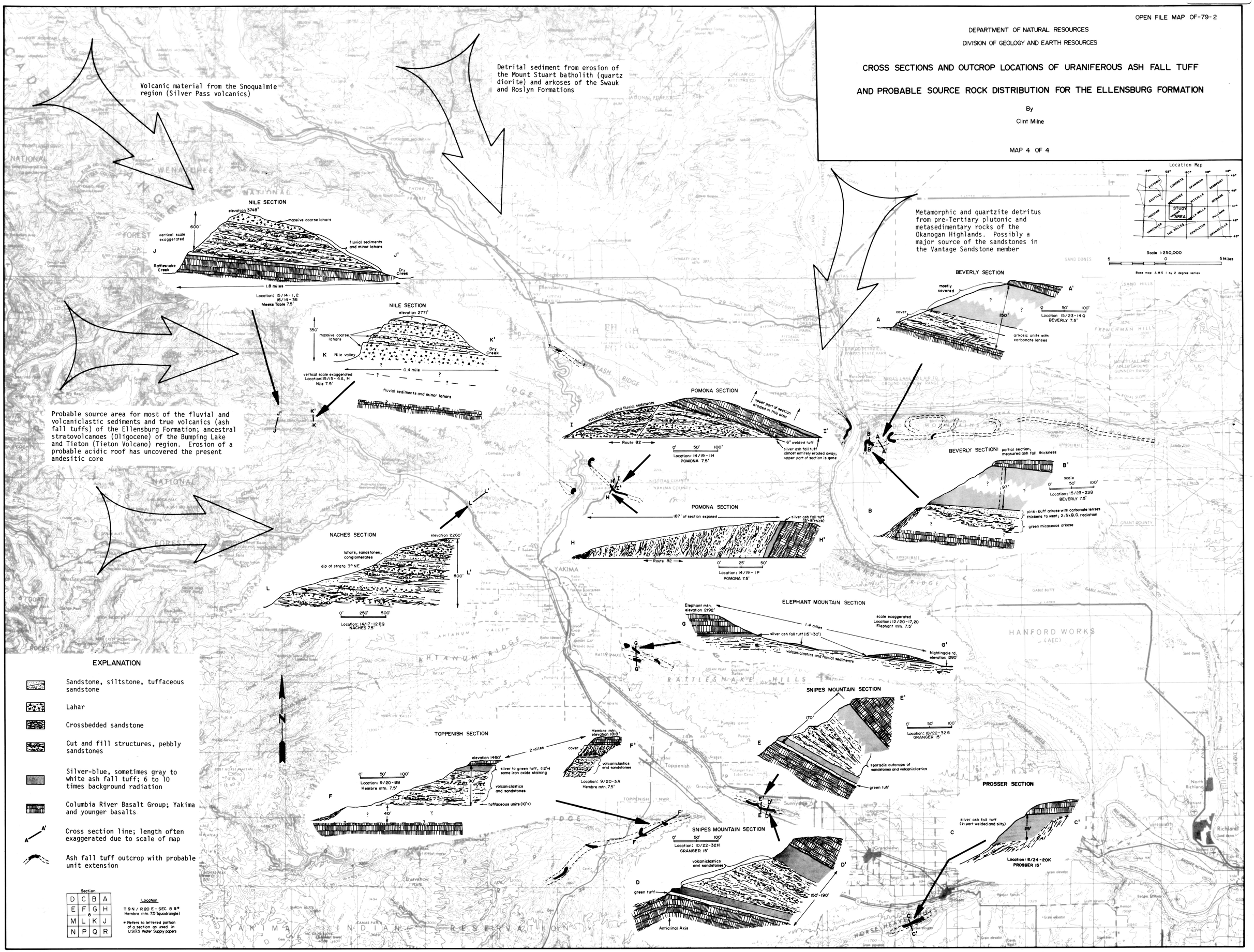
By

Clint Milne

MAP 4 OF 4

Volcanic material from the Snoqualmie region (Silver Pass volcanics)

Detrital sediment from erosion of the Mount Stuart batholith (quartz diorite) and arkoses of the Swauk and Roslyn Formations

Metamorphic and quartzite detritus from pre-Tertiary plutonic and metasedimentary rocks of the Okanogan Highlands. Possibly a major source of the sandstones in the Vantage Sandstone member

Probable source area for most of the fluvial and volcaniclastic sediments and true volcanics (ash fall tuffs) of the Ellensburg Formation; ancestral stratovolcanoes (Oligocene) of the Bumping Lake and Tieton (Tieton Volcano) region. Erosion of a probable acidic roof has uncovered the present andesitic core