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John is a hydrologist with the U.S. Geological Survey, Washington Water Science Center where he has worked for 31 years. John is a project member for studies of the major aquifer systems in the Pacific Northwest including: the Columbia Plateau regional aquifer, the Spokane aquifer, the Puget Sound Lowland aquifer system, and the Willamette Lowland aquifer system. Highlights of his work include developing techniques to estimate ground-water recharge, and a finite-element ground-water transport model. He has analyzed interdecadal changes in hydroclimate of PNW; and the hydrochemistry of the Columbia Plateau regional aquifer. He has undertaken stream discharge and temperature modeling, watershed modeling, and ground-water flow modeling; and developed methods to thermally profile long river reaches.