

Ms. Wise is a retired Physical Scientist previously employed at the US Environmental Protection Agency, Corvallis Environmental Research Laboratory, Corvallis, OR. Ms. Wise has 32 years experience in chemical/biological instrumentation methods. She spent 8 years with the Western Fish Toxicology Station coauthoring journal articles dealing with bioaccumulation of Invertebrates and Fish exposed to chemical toxicity. She has contributed on many projects and authored numerous journal articles for the Watershed Ecology, Terrestrial, Ecotoxicology and Freshwater Branches studying phytotoxicity of soil and plant growth effects.

At her time of retirement, Ms. Wise was with the Watershed Ecology Stable Isotope Research Facility. She provided stable isotopic abundance analysis in conjunction with C and N Isotopes in the integrated stable isotope research facility (ISIRF). Other responsibilities included method development and writing SOP for use of ISN measurements utilizing innovative sample extraction techniques. She also served as manager in charge of overseeing prep lab activities and containment of the Enrichment and Natural Abundance facilities.

Ms. Wise has been associated with the small-scale gold suction dredging industry for over 18-years. Since retirement Ms. Wise has participated as a Chemist in water quality projects in Oregon and California. Post USEPA experience includes: Preliminary Klamath River Water Quality Survey examining effects of suction dredging and written a declaration for the Superior Court of the State of California in support of suction dredge mining. Ms. Wise's current interest includes effects of suction dredging on mercury speciation and protective properties of selenium. She is an invited scientist on the California Department of Fish and Game Suction Dredge Public Advisory Committee. Ms Wise's Powerpoint presentation to the committee was titled, "*Selenium Antagonism to Mercury, Does Methylmercury Cause Significant Harm to Fish or Human Health.*" Ms. Wise also participated in a review of the new Oregon Department of Environmental Quality (ODEQ) suction dredge permit regulations where she offered ODEQ "*Solutions for Regulating Turbidity in Oregon Waters Caused by Small Scale Suction Dredges*".