

Preface

This book was stimulated by two reports published by Oregon's Independent Multidisciplinary Science Team (IMST). The first, *Urban and Rural-Residential Land Uses: Their Role in Watershed Health and the Rehabilitation of Oregon's Wild Salmonids*, was released in 2010, and the second, *Urban and Rural-Residential Land Uses in Oregon: A Synthesis of an IMST Technical Workshop on Watershed Functions and Salmonid Recovery*, was released in 2012. The IMST was established by Oregon Revised Statute 541.914 in 1997 to provide independent, impartial advice to the state on scientific matters related to the Oregon Plan for Salmon and Watersheds. Previous IMST reports and agency reviews had focused on forest and agricultural land uses, and most of the rehabilitation efforts in the state were focused on those landscapes as well because of the great extent of those types of landscapes. However, the IMST recognized that (1) most Oregon citizens live in cities and rural residential areas, (2) many important salmonid streams and rivers pass through those urban areas, and therefore (3) urban areas played a key role in salmonid limitation and subsequent rehabilitation. Therefore the 2010 report was written to evaluate the science and how actions in urban and rural residential areas might aid salmonid recovery and catchment condition. Following completion of the 2010 report, the IMST held a workshop in 2011 to help fill gaps between the published scientific literature and what is known and needed by professionals actively working to rehabilitate aquatic resources in Oregon urban and rural residential areas. In 2012, the IMST released a summary of what was learned at that workshop. Comments received from readers of those two reports indicated the need for a book that would reach more readers by using more accessible language and descriptions of the many factors involved with salmonid viability and rehabilitation in urban areas. This volume widens the scope of research beyond Oregon to urban and urbanizing environments in the greater Pacific Northwest and adds photographs and case studies to illustrate the risks to salmonids in cities and the efforts to lessen those risks.

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