

## California Fisheries Coalition

### Biographies Peer Review Scientists

#### **RAY W. HILBORN, PhD**

Ray W. Hilborn is a Professor of Fisheries Management in the School of Aquatic and Fishery Sciences at the University of Washington, specializing in natural resource management and conservation. He currently serves as an advisor to several international fisheries commissions and agencies, as well as teaching graduate and undergraduate courses in conservation, fisheries stock assessment, and risk analysis. He co-authored "Quantitative Fisheries Stock assessment" with Carl Walters in 1992, and "The Ecological Detective: Confronting Models with Data" with Marc Mangel, in 1997. Professor Hilborn has received numerous recognitions for his contributions to fisheries science and aquatic biology. In 2005, he received the Award of Excellence from both the National and Western Divisions of the American Fisheries Society and was elected Fellow of The Royal Society of Canada. Hilborn earned his B.A. in Biology from Grinnell College in Grinnell, Iowa and a PhD. from the Department of Zoology at the University of British Columbia.

#### **RICHARD HENRY PARRISH, PhD**

Dr. Richard Henry Parrish recently retired as a fisheries oceanographer with the National Oceanic & Atmospheric Administration's National Marine Fisheries Service, based in Monterey, California. He was awarded the U.S. Department of Commerce's Certificate of Recognition for authoring a publication on the comparative climatology of Eastern Boundary currents and the Ricketts Memorial Lecture Award for exemplary research in marine science. He currently serves on the Pacific Fisheries Management Council. He has a B.A. degree in zoology from the University of California, Berkeley, an M.S. degree in Fisheries and Wildlife, and a PhD. in fisheries, with a minor in oceanography and statistics from Oregon State University.

#### **CARL J. WALTERS, PhD**

Dr. Carl Walters is Professor of Zoology and Fisheries at the University of British Columbia, Vancouver, Canada and a specialist in fisheries stock assessment, adaptive management, and ecosystem modeling. He uses mathematical modeling and computer simulation techniques to better understand the dynamics of exploited marine ecosystems and to find more effective methods to manage them in the face of natural variability and high uncertainty. He advocates cooperative arrangements between governments and fishing industries to provide improved information for stock assessment and management via methods such as industry-based surveys. Walters has been recognized by the Wildlife Society and awarded for the best paper in fish ecology and management. He was also a Pew Fellow in Marine Conservation from 2001 through 2004 and a Mote Eminent Scholar at Florida State University. In 2005 he was awarded the Mote Marine Laboratory Murray A. Newman Award for Marine Conservation (Vancouver Aquarium). Walters has written over 150 articles, two books and is a Fellow of the Royal Society of Canada. He earned his B.S. from California State University, Humboldt and his M.S. and PhD. from Colorado State University, Fort Collins.

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