

COMMITTEE ON NATURAL RESOURCES
114th Congress Disclosure Form
As required by and provided for in House Rule XI, clause 2(g)(5)

Water, Power and Oceans Legislative hearing on:

- **H.R. 1869** (Rep. Paul Gosar), To provide for transparency and reporting related to direct and indirect costs incurred by the Bonneville Power Administration, the Western Area Power Administration, the Southwestern Power Administration, and the Southeastern Power Administration related to compliance with any Federal environmental laws impacting the conservation of fish and wildlife, and for other purposes. “*Environmental Compliance Cost Transparency Act of 2015.*”
- **H.R. 2993** (Rep. Doris O. Matsui), To amend the Reclamation Wastewater and Groundwater Study and Facilities Act to authorize funding for water recycling projects in areas experiencing severe, extreme, or exceptional drought, and for other purposes. “*Water Recycling Acceleration Act of 2015*”
- **H.R. 4582** (Rep. Jeff Denham), To exclude striped bass from the anadromous fish doubling requirement in section 3406(b)(1) of the Central Valley Project Improvement Act, and for other purposes. “*Save Our Salmon (SOS) Act*”

For Individuals:

Name:
Address:
Email Address:
Phone Number:

* * * * *

For Witnesses Representing Organizations:

Name: Charles H. Hanson
Name of Organization(s) You are Representing at the Hearing: State Water Contractors
Business Address: [REDACTED]
Business Email Address: [REDACTED]
Business Phone Number: [REDACTED]

* * * * *

For Nongovernment Witnesses ONLY:

1. Please attach/include current curriculum vitae or resume. See attached
2. Please list any federal grants or contracts (including subgrants or subcontracts) related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the source and amount of each grant or contract.

N/A

3. Please list any contracts or payments originating with a foreign government related to the subject matter of the hearing that were received in the current year and previous two calendar years by you or the organization(s) you represent at this hearing, including the amount and country of origin of each contract or payment.

N/A

Charles H. Hanson
Senior Fishery Biologist

Education

Ph.D. Ecology and Fisheries Biology, University of California, Davis, 1980
M.S. Fisheries Biology, University of Washington, 1973
B.S. Fisheries Biology, University of Washington, 1972

Certification

Certified Fisheries Biologist
American Fisheries Society

Experience

Dr. Hanson has more than 35 years of experience in working on Bay-Delta fishery issues. Dr. Hanson served as a member of the USFWS Native Delta Fish Recovery Team to prepare recovery criteria for delta smelt and other native fishes. Dr. Hanson currently serves on the USFWS Recovery Team to assist in revising the 2006 Native Delta Fishes Recovery Plan. Dr. Hanson also served on the NMFS Central Valley Salmonid Technical Recovery Team. Dr. Hanson has participated in developing the Bay Delta Conservation Plan (BDCP) since its inception including working closely with DWR and other agency staff and management in the development and analysis of alternative conservation actions and water project operations. Dr. Hanson has served as the fishery consultant to the State Water Contractors on Bay Delta issues, IEP, Feather River Orville relicensing, and SWP operations. Dr. Hanson has participated as an expert witness on fisheries and water quality issues in numerous public hearings including Bay-Delta flow and export operations before the SWRCB and superior court litigation, including litigation regarding USFWS and NMFS Biological Opinions related to OCAP operations. Dr. Hanson has been extensively involved in incidental take monitoring and investigations of endangered species in the Central Valley and Delta, development of recovery plans, consultations, listing decisions and identification of critical habitat. Dr. Hanson participated as an expert in the San Joaquin River litigation and currently serves as a member of the San Joaquin River Restoration Program Technical Advisory Committee. Dr. Hanson has served on numerous technical advisory committees as well as science advisor to settlement negotiations. Dr. Hanson has participated in the preparation of Biological Assessments, Section 7 consultation, biological compliance monitoring, EIR/EIS environmental documentation, development of adaptive management programs including real-time monitoring, the San Joaquin River Vernalis Adaptive Management Plan (VAMP), Georgiana Slough non-physical barrier evaluations, and the 2012 Stipulation Study regarding the effects of SWP and CVP operations on juvenile steelhead migrating through the Delta from the San Joaquin River. Dr. Hanson has authored more than 100 technical and scientific reports.

1991-Present *Senior Biologist/Principal, Hanson Environmental, Inc.*

Provides services in the design, execution, and interpretation of biological monitoring, fishery sampling, and regulatory compliance programs. Prepares technical compliance reports and exhibits for submittal to regulatory agencies, public hearings, and litigation. Presents findings to the public and press and presents expert witness testimony in litigation and regulatory hearings. Develops the design, implementation, and performance monitoring of habitat enhancement and mitigation projects to benefit fish and wildlife.

1982-1991 *Senior Biologist, Vice President, TENERA, L.P*

Provided services related to the collection, analysis, and interpretation of biological and engineering data, preparation of documents

submitted to regulatory agencies, presentation of findings to the public and press, and presentation of expert testimony in regulatory hearings.

1978-1982 *Senior Scientist, Ecological Analysts, Inc.*

Responsible for the collection, analysis, and interpretation of data on various fisheries and invertebrate populations for use in evaluating the impact of power plant and water project operations on aquatic populations. Prepared various regulatory environmental exhibits, and technical reports.

1975-1978 *Research Assistant, University of California, Davis*

Conducted extensive investigations into behaviorally selected and energetically optimal swimming speeds of juvenile fish in relationship to selected microhabitats to help in establishing a data base and methodology for determining instream flow criteria.

1973-1975 *Research Scientist, The Johns Hopkins University*

Conducted fishery surveys in freshwater and marine environments along the Atlantic coast. Evaluated the acute and chronic effects of exposure to elevated water temperatures on freshwater and marine fish and invertebrates.

1969-1973 *Research Assistant, University of Washington*

Conducted bioassays to determine the synergism between elevated water temperature and duration of exposure on the toxicity of chlorine to two species of salmon.

Professional Associations

American Fisheries Society (Life Member)
American Institute of Fisheries Research Biologists (past Program Committee Chairman)
Pacific Fisheries Biologists (past Program Chairman)
San Francisco Bay and Estuarine Society (past President)

Technical Advisory Committees

State Water Resources Control Board Striped Bass Workshop
American River Technical Advisory Committee
Mokelumne River Technical Advisory Committee
Santa Ynez River Technical Advisory Committee
Bay-Delta Oversight Committee (BDOC) Aquatic Resources
USFWS Delta Native Fish Recovery Team
National Marine Fisheries Service Central Valley Salmonid Technical Recovery Team
CVPIA Striped Bass Technical Team
San Joaquin River Restoration Program