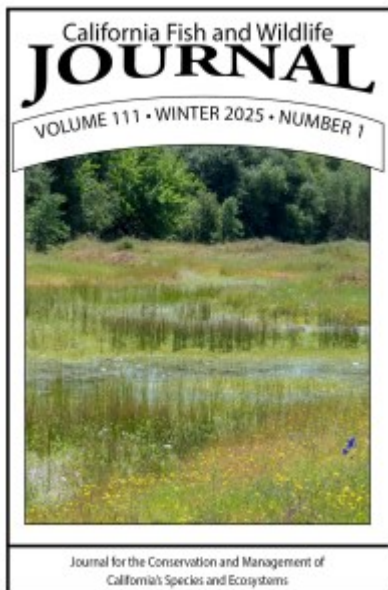


# Cover and Front Matter

March 23, 2025



## JOURNAL EDITORIAL STAFF

### Editor-in-Chief

Ange Darnell Baker

### Design and Layout Editors

Gabe Quillman, Andrew Willkens, Lea Koerber, Alison Nevins, Diane Haas, Jennifer Gaffey, Maggie McCann, Rose Dodgen, Shelby Thompson, and Lanette Richardson

### Associate Editors

**Wildlife Branch:** Laura Patterson, Katherine Miller, Karen Converse, Katrina Smith, Matt Meshiry, Anne Hilborn, Kimiora Ward, Thomas Connor, and Ryan Bourbour

**Fisheries Branch:** Jeff Rodzen, John Kelly, Felipe La Luz, and Gabriel Singer

**Habitat Conservation Planning Branch:** Cherilyn Burton, Lauren Miele, Kate Morozova, Margaret Mantor, Mike Jenkins, and Raffica La Rosa

**Watershed Restoration Grants Branch:** Jennifer Olson

**Water Branch:** Ken Kundargi and Travis Apgar

**Conservation Engineering Branch:** Mark Gard

**Inland Deserts Region:** Jeff Villepique and Steve Parmenter (retired)

**Marine Region:** Morgan Ivers-Duran and Kimberly Walker

**Northern Region:** Ken Lindke and Joshua Gruver (junior editor)

**Aquaculture Program:** Randy Lovell

**Office of Cannabis:** Jennifer Nguyen and Matt Toenies

The *California Fish and Wildlife Journal* is published quarterly by the California Department of Fish and Wildlife. It is a journal devoted to the conservation and understanding of the flora and fauna of California and surrounding areas. If its contents are reproduced elsewhere, the authors and the California Department of Fish and Wildlife should be acknowledged.

Please direct all correspondence to: [ScientificJournal@wildlife.ca.gov](mailto:ScientificJournal@wildlife.ca.gov)

***The views, opinions, and conclusions within the content of this publication are solely the authors' and do not necessarily reflect those of the California Department of Fish and Wildlife.***

Cover Image: Vernal pool at the Phoenix Field Ecological Reserve, CA (Photo Credit: Jeb Bjerke, CDFW)