

# Biography: Dr Joshua H. Viers

## 1. Employer

University of California, Davis  
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*Function in Organisation:* Assistant Research Ecologist in the Department of Environmental Science & Policy with the following faculty affiliations:

- Center for Watershed Sciences
- CalSpace: NASA Center of Excellence
- Graduate Group in Geography



## 2. Contact details

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## 3. Experience

Josh is an ecologist and geographer at the University of California, Davis. He focuses his research on the use of geospatial technologies, such as geographical information systems and remote sensing, to promote better decision making and solving human-environment conflicts. While his topical research is broad, including rare & endangered species, epidemiology, and invasive species, his passion is flowing waters. Josh's informal education as a land surveyor and whitewater rafting guide gave rise to an interest in mapping rivers and, subsequently, a more formal doctoral education in riverscape ecology.

## 4. Principal research interests

- Geospatial technologies
- Spatial aspects of ecological phenomena
- Information brokering

## 5. Selection of papers

**Viers, JH.** 2006 *Accepted*. Objective classification of Navarro River salmon habitat: A watershed-based critical habitat case study. *Aquatic Conservation: Marine & Freshwater Ecosystems*.

Ghneim, GS, **JH Viers**, BB Chomel, PH Kass, D Descollonges, and ML Johnson. 2006 *In Press*. Use of a case-control study and geographic information systems to determine environmental and demographic risk factors for canine *Leptospirosis* in California, 1998-2000. *Veterinary Research*.

Ahearn, DS, **JH Viers**, JF Mount, and RA Dahlgren. 2006. Priming the productivity pump: Flood pulse driven trends in suspended algal biomass distribution across a restored floodplain. *Freshwater Biology* 51: 1417-1433.

Marchetti, MP, T Light, PB Moyle, and **JH Viers**. 2004. Invasion and extinction in California fish assemblages: testing hypotheses using landscape patterns. *Ecological Applications*, 14(5), pp. 1507–1525