

## ANDREW J. BROOKS

Department of Ecology, Evolution and Marine Biology  
University of California  
Santa Barbara, CA

**Projects:** *Population Trends and Trophic Dynamics in Pacific OCS Ecosystems: What Can Monitoring Data Tell Us?*  
*Relative importance of POCS oil platforms on the population dynamics of two reef fishes in the Eastern Santa Barbara Channel*

**Education:**

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|-------------|--|------|
| B.A.        | Biology with Marine Emphasis, Occidental College                                     | 1984 |
| Certificate | Aquatic Biology and Fisheries Management,<br>University College of North Wales, U.K. | 1987 |
| M.A.        | Biological Sciences, University of California, Santa Barbara                         | 1993 |
| Ph.D.       | Ecology, Evolution and Marine Biology,<br>University of California, Santa Barbara    | 1999 |

**Positions:**

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|---------------|--|
| 2004 –Present | Deputy Director, Moorea Coral Reef LTER, University of California  |
| 2001-Present  | Director, Carpinteria Salt Marsh Reserve, University of California   |
| 1999-Present  | Assistant Research Biologist, Marine Science Institute, University of California, Santa Barbara                        |
| 1998-Present  | Lecturer, Dept. of Ecology, Evolution and Marine Biology, University of California, Santa Barbara                      |
| 1998-1999     | Post-Doctoral Researcher, Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara |
| 1998          | Teaching Associate, Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara       |
| 1990-1998:    | Research Assistant, Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara       |
| 1988-89       | Instructor, Department of Physics, Los Angeles Valley College  |
| 1988-91       | Instructor, Department of Biology, Occidental College  |
| 1987-89       | Marine Ecologist and Project Leader, Vantuna Research Group, Occidental College  |
| 1984-86       | Marine Ecologist, Vantuna Research Group, Occidental College   |

### Grants and Awards:

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| 2002-2005 | W.M. Keck Foundation  |
| 2002-2004 | Minerals Management Service CMI Project Award                                   |
| 2001-2004 | US Environmental Protection Agency  |
| 2001      | Member, American Institute of Fishery Research Biologists                       |
| 1997-2001 | Minerals Management Service CMI Project Award                                   |
| 1997      | University Award of Distinction, University of California, Santa Barbara        |
| 1995-1999 | UC TSR&TP Fellowship, University of California, Santa Barbara                   |
| 1994-1996 | Mildred Mathias Grant, University of California, Santa Barbara                  |
| 1994-1996 | Crocker Grant   |
| 1994-1995 | Continuing Graduate Student Fellowship, University of California, Santa Barbara |

### Selected Publications:

Brooks, A.J., S.J. Holbrook, and R.J. Schmitt. Patterns of Microhabitat Use by Fishes in the Patch-forming Coral *Porites rus*. *Raffles Bulletin of Zoology*. (submitted).

Morgan, S.G., S. Spilseth, H.M. Page, T. Grosholz, and A. J. Brooks. Spatial and temporal movement patterns of the lined shore (*Pachygrapsus crassipes*) and its utility as an indicator of habitat condition. *Marine Ecological Progress Series*. (submitted).

- Anderson, S.L., G.N. Cherr, S.G. Morgan, C.A. Vines, R.M. Higashi, W.A. Bennett, W.L. Rose, A.J. Brooks and R.M. Nisbet. Submitted. Integrating contaminant responses in indicator saltmarsh species. (submitted).
- Holbrook, S.J., A.J. Brooks, and R.J. Schmitt. Relationships between Live Coral Cover and Reef Fishes: Implications for Predicting Effects of Environmental Disturbances. Proceedings of the 10<sup>th</sup> International Coral Reef Symposium. (in press).
- Brooks, A. J., R.J. Schmitt, and S. J. Holbrook. Parallel changes observed across several trophic levels suggest a common response by marine communities to short-term climate change. *Ecology Letters* (in prep).
- Swearer, S. E., G.E. Forrester, M.A. Steele, A.J. Brooks, and D.W. Lea. Spatio-temporal and interspecific variation in otolith trace-elemental fingerprints in a temperate estuarine fish assemblage. *Estuarine, Coastal and Shelf Science* (in press).
- Holbrook, S.J., A.J. Brooks, and R. J. Schmitt. 2002. Are fish assemblages on coral patch reefs predictable? *Marine and Freshwater Research* **53** (2):181-188.
- Brooks, A.J., R.J. Schmitt, and S. J. Holbrook. 2002. Declines in regional fish populations: have different species responded similarly to environmental change? *Marine and Freshwater Research* **53** (2):189-198.
- Holbrook, S.J., A.J. Brooks, and R. J. Schmitt. 2002. Variation in structural attributes of patch forming corals and in patterns of abundance of associated fishes. *Marine and Freshwater Research* **53**(7):1045-1053.
- Brooks, A.J. 1999. Factors Influencing the Structure of an Estuarine Fish Community: The Role of Interspecific Competition. Ph.D. Dissertation. University of California, Santa Barbara, 219 pp.
- Nisbet, R.M., E.B. Muller, A.J. Brooks, and P. Hosseini. 1997. Models relating individual and population response to contaminants. *Environmental Modeling and Assessment* **2**:7-12.
- Love, M.S., A.J. Brooks, and J.R.R. Ally. 1996. An analysis of the commercial passenger fishing vessel fisheries for kelp and barred sand basses (*Paralabrax clathratus* and *P. nebulifer*) in the Southern California Bight. *California Fish and Game* **82**:105-121.
- Nisbet, R.M., A.H. Ross, and A.J. Brooks. 1996. Empirically-based dynamic energy budget models: theory and an application to ecotoxicology. *Nonlinear World* **3**:85-106.
- Love, M.S., A.J. Brooks, D. Busatto, J. Stephens Jr., and P. Gregory. 1996. Aspects of the life histories of the kelp bass and barred sand bass (*Paralabrax clathratus* and *P. nebulifer*) from the Southern California Bight. *Fisheries Bulletin* **94**:472-481.
- Love, M.S., J. Hyland, A. Ebeling, T. Herrlinger, A.J. Brooks, and E. Imamura. 1994. A pilot study of the distribution and abundance of rockfishes in relation to natural environmental factors and an offshore oil and gas production platform off the coast of Southern California. *Bulletin Marine Science* **55**:1062.-1085.
- Love, M.S. and A.J. Brooks. 1990. Size and age at first maturity of the California halibut, *Paralichthys californicus*, in the Southern California Bight. Pp. 167-174 in: *The California halibut, Paralichthys californicus, resource and fisheries*. *California Fish and Game Fisheries Bulletin*.
- Love, M.S., B. Axell, P. Morris, R. Collins, and A.J. Brooks. 1987. Life history and fishery of the California scorpionfish, *Scorpaena guttata*, within the Southern California Bight. *Fisheries Bulletin* **85**:99-116.
- Brooks, A.J. 1987. Two species of Kyphosidae seen in King Harbor, Redondo Beach, California. *California Fish and Game* **73**:49-61.