

GRAHAM E. FORRESTER

Department of Biological Sciences
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- Project:** *Ecological Consequences of Alternative Abandonment Strategies for POCS Offshore Facilities and Implications for Policy Development*
- Education:**
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| B.S. | Zoology, University College of Wales, Aberystwyth, U.K. | 1985 |
| M.S. | Zoology, University of Sydney, Australia | 1988 |
| Ph.D. | Zoology, University of New Hampshire | 1992 |
- Positions:**
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| 1999-Present | Assistant Professor, Department of Biological Sciences, University of Rhode Island |
| 1995-1999 | Assistant Professor, Department of Organismic Biology, Ecology and Evolution, University of California, Los Angeles |
| 1993-95 | Postdoctoral Research, Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara |
| 1992 | Statistical Consultant, Ithaca College |
| 1991 | Research Associate, Arizona State University |
| 1985 | Research Technician, University of Wales |
- Distinctions:**
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| 1998 | Faculty Career Development Award, University of California, Los Angeles |
| 1997 | Mildred Mathias award for top rated natural science proposal to UCMEXUS Program |
| 1991-92 | Dissertation Fellowship, University of New Hampshire |
| 1989 | Stoye Award |
| 1989-1990 | Summer Graduate Fellowships, University of New Hampshire |
| 1986-88 | University Postgraduate Research Scholarship, University of Sydney |

Selected Publications:

- Forrester, G.E and S.E. Swearer. Quantifying the use of different nursery habitats by juvenile California halibut through the analysis of trace-elements in otoliths. *Limnology and Oceanography* (in review).
- O'Bryan, L.M. and G.E. Forrester. Horizontal distributions of *Chaoborus punctipennis*: documentation of patterns and tests of moonlight as a proximal controlling factor. *Hydrobiologia* (in review).
- Steele, M.A. and G.E. Forrester. Early post-settlement predation on three reef fishes: effects on spatial patterns of abundance. *Ecology* (in review).
- Steele, M.A., McClean, A.M., Malone, J.C., Forrester, G.E., and M.H. Carr. A test for limitation of population size by larval supply in the kelp bass (*Paralabrax clathratus*). *Oecologia* (in review).
- Swearer, S.E., Forrester, G.E., Steele, M.A., Brooks, A.J., and D.W. Lea. 2003. Spatio-temporal and interspecific variation in otolith trace-elemental fingerprints in a temperate estuarine fish assemblage. *Estuarine, Coastal and Shelf Science* (in press).
- Forrester, G.E., and S.E. Swearer. 2002. Trace elements in otoliths indicate the use of open-coast versus bay nursery habitats by juvenile California halibut. *Marine Ecology Progress Series* **241**: 201-213.
- Forrester, G.E., Vance, R.R., and M.A. Steele. 2002. Simulating Large-Scale Population Dynamics Using Small-Scale Data. Invited chapter in *Coral Reef Fishes: Dynamics and Diversity in a Complex Ecosystem*, P.F. Sale (editor), pp. 275-301. Academic Press.
- Steele, M.A. and G.E. Forrester. 2002. Early postsettlement predation on three reef fishes: effects on spatial patterns of recruitment. *Ecology* **83**(4): 1076-1091.

- Steele, M.A. and G.E. Forrester. 2002. Variation in the relative importance of sublethal effects of predators and competitors on growth of a temperate reef fish. *Marine Ecology Progress Series* **237**: 233-245.
- Steele, M.A., Malone, J.C., Findlay, A.M., et al. 2002. A simple method for estimating larval supply in reef fishes and a preliminary test of population limitation by larval delivery in the kelp bass (*Paralabrax clathratus*). *Marine Ecology Progress Series* **235**: 195-203.
- Forrester, G.E. and M.A. Steele. 2000. Variation in the presence and cause of density-dependent mortality in three species of reef fishes. *Ecology* **81**(9): 2416-2427.
- Holbrook, S.J., Forrester, G.E., and R.J. Schmitt. 2000. Spatial patterns in abundance of damselfish reflect availability of suitable habitat. *Oecologia* **122**(1): 109-120.
- Forrester, G.E. 1999. The influence of adult density on the settlement of larval coral reef fish (*Coryphopterus glaucofraenum*). *Coral Reefs* **18**: 85-89.
- Forrester, G.E., Dudley, T.L., and N.B. Grimm. 1999. Trophic interactions in open systems: influences of predators and nutrients on food chains in streams. *Limnology and Oceanography* **44**: 1187-1197.
- Malone, J.M., Forrester, G.E., and M.A. Steele. 1999. Effects of subcutaneous microtags on the growth, survival and vulnerability to predation of small reef fishes. *Journal of Experimental Marine Biology and Ecology* **237**: 243-253.
- Steele, M.A., Forrester, G.E., and G.R. Almany. 1998. Influences of predators and conspecifics on recruitment of a tropical and temperate reef fish. *Marine Ecology Progress Series* **172**: 115-125.
- O'Bryan, L.M. and G.E. Forrester. 1997. Effects of fish presence and simulated moonlight gradients on night-time horizontal movements of a predatory zooplankter (*Chaoborus punctipennis*). *Journal of Plankton Research* **19**(10): 1441-1453.
- Forrester, G.E. 1995. Strong density-dependent survival and recruitment regulate the abundance of a coral reef fish. *Oecologia*. **103**: 275-182.
- Douglas, P.L., Forrester, G.E., and S.D. Cooper. 1994. Effects of trout on the diel periodicity of drifting in baetid mayflies. *Oecologia* **98**(1): 48-56.
- Forrester, G.E. 1994. Diel patterns of drift by five species of mayfly at different levels of fish predation. *Canadian Journal of Fisheries and Aquatic Sciences* **51**(11): 2549-2557.
- Forrester, G.E. 1994. Influences of predatory fish on drift dispersal and local density of stream insects. *Ecology* **75**(5): 1208-1222.
- Forrester, G.E., Chace, J.G., and W. McArthur. 1994. Diel and density-related changes in food consumption and prey selection by brook trout in a New Hampshire stream. *Environmental Biology of Fishes* **39**(3): 310-311.
- Sale, P.F., Forrester, G.E., and P.S. Levin. 1994. The fishes of coral reefs-ecology and management. *National Geographic Research and Exploration* **10**(2): 225-235.
- Forrester, G.E. 1991. Social rank, individual size and group composition as determinants of food consumption by humbug damselfishes (*Aruanus* spp.). *Animal Behaviour* **42**(5): 701-711.
- Forrester G.E. 1990. Factors influencing the juvenile demography of a coral-reef fish. *Ecology* **71**(5): 1666-1681.