

# CURRICULUM VITAE

## Stephen C. Schroeter

### EDUCATION:

B.S., Zoology, Brigham Young University	1969
M.S., Zoology, Brigham Young University	1972
Ph.D., Ecology, University of California, Santa Barbara	1978

### POSITIONS HELD:

<u>1978 – 1983</u>	Allan Hancock Fellow and Research Associate Department of Biological Sciences University of Southern California
<u>1983-1988</u>	Research Assistant Professor, Department of Biological Sciences University of Southern California
<u>1987-present</u>	Consulting Ecologist and Partner, Ecometrics
<u>1989-2000</u>	Adjunct Associate Professor, Department of Biology San Diego State University
<u>1996-2000</u>	Associate Research Ecologist, Marine Science Institute, UC Santa Barbara.
<u>2000-present</u>	Research Ecologist, Marine Science Institute, UC Santa Barbara.
<u>2000-present</u>	Adjunct Professor, Department of Biology San Diego State University

### HONORS/AWARDS/FELLOWSHIPS:

<u>1971</u>	University Fellowship, Brigham Young University
<u>1971</u>	NSF Graduate Traineeship, Brigham Young University
<u>1975</u>	University Fellowship, UC Santa Barbara
<u>1975, 1976</u>	Sea Grant Traineeship, UC Santa Barbara
<u>1976, 1977</u>	Ford Foundation Fellowship
<u>1985</u>	Outstanding Publication, Marine Fisheries Review with Susumu Kato
<u>1985, 1986, 1987</u>	Faculty Research Incentive Grants, Dept. of Biol. Sciences University of Southern California

**2. Reviewer for:** Sea Grant, National Science Foundation, Ecology, Ecological Applications, Journal of Applied Ecology, Oecologia, Journal of Experimental Marine Biology and Ecology, Canadian Journal of Fisheries and Aquatic Sciences, American Naturalist, Marine Biology, Marine Ecology Progress Series, California Cooperative Oceanic Fisheries Investigations, MMS-UC Coastal Marine Institute

**3. Scientific Advisor to:** California Coastal Commission, California Department of Fish and Game, NOAA Damage Assessment, National Park Service, Minerals Management Service, EPA, Channel Islands Marine Sanctuary

### 4. Selected Publications:

Cameron, R.A. and S.C. Schroeter. 1980. Sea urchin recruitment: effect of substrate selection on juvenile distribution. Marine Ecology Progress Series. 2:243-247.

Kastendiek, J., S.C. Schroeter, and J. Dixon. 1981. The effect of the seawater cooling system of a nuclear generating station on the growth of mussels in experimental populations. Marine Pollution Bulletin 12:402-407.

Sousa, W.P., S.C. Schroeter, and S.D. Gaines. 1981. Latitudinal variation in intertidal algal community structure: the influence of grazing and vegetative propagation. Oecologia 48:297-

- Schroeter, S.C., J. Dixon, and J. Kastendiek. 1983. Effects of the starfish *Patiria miniata* on the distribution of the sea urchin *Lytechinus anamesus* in a southern Californian kelp forest. *Oecologia* 56:141-147.
- Kato, S. and S.C. Schroeter. 1985. Biology of the red sea urchin, (*Strongylocentrotus franciscanus*), and its fishery in California. *Marine Fisheries Review* 47(3):1-20.
- Lissner, A.L., G.L. Taghon, R.R. Diener, S.C. Schroeter, and J.D. Dixon. 1991. Review of recolonization and recovery of deep-water hard substrate communities. *Ecological Applications* 1(3):258-267.
- Ebert, T.A., S.C. Schroeter, and J.D. Dixon. 1993. Inferring demographic processes from size-frequency distributions: Effect of pulsed recruitment on simple models. *Fishery Bulletin* 91:237-243.
- Schroeter, S.C., J.D. Dixon, J. Kastendiek, R.O. Smith, and J.R. Bence. 1993. Detecting the ecological effects of environmental impacts: a case study of kelp forest invertebrates. *Ecological Applications* 3:331-350.
- Ebert, T.A., S.C. Schroeter, J.D. Dixon, and P. Kalvass. 1994. Settlement patterns of red and purple sea urchins (*Strongylocentrotus franciscanus* and *S. purpuratus*) in California, USA. *Marine Ecology Progress Series* 111:41-52.
- Bence, J.R., A. Stewart-Oaten, and S.C. Schroeter. 1996. Estimating the size of an effect from a Before-After-Control Impact-Pairs design: the predictive approach applied to a power plant study. In R.J. Schmitt and C.W. Osenberg, editors. *Ecological impact assessment: conceptual issues and application in coastal marine habitats*. University of California Press, Berkeley, California, U.S.A.
- Ebert TA, Dixon JD, Schroeter SC, Kalvass PE, Richmond NT, Bradbury WA, Woodby DA. Growth and mortality of red sea urchins *Strongylocentrotus franciscanus* across a latitudinal gradient. *Marine Ecology Progress Series*: 190:189-209
- Schroeter, S.C. D.C. Reed, D.J. Kushner, J.A. Estes, and D.S. Ono. 2001. The use of marine reserves in evaluating the dive fishery for the warty sea cucumber (*Parastichopus parvimensis*) in California, USA. *Canadian Journal of Fisheries and Aquatic Science* 58: 1773-1781.
- Flowers, J.M, S.C. Schroeter, and R.S Burton. 2002. The recruitment sweepstakes has many winners: genetic evidence from purple sea urchins. *Evolution* 56(7): 1445-1453.
- Schroeter, S.C., N.L. Gutierrez, M. Robinson, R. Hilborn, and P. Halmay. 2009. Moving from data poor to data rich: A case study of community-based data collection for the San Diego red sea urchin fishery. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystems Science* 1(1):230-243.
- Culver, C.E., S.C. Schroeter, H.M. Page, and J.E. Dugan. 2010. Essential fishery information for trap-based fisheries: Development of a framework for collaborative data collection. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystems Science* 1(2): 98-114.