

## Joe Tyburczy, Ph.D.

California Sea Grant Extension Coastal Specialist  
P.O. Box 158  
Samoa, CA 95564

Phone: 707-443-8369  
Email: [jtyburczy@ucsd.edu](mailto:jtyburczy@ucsd.edu)

### EDUCATION

<b>Oregon State University</b> , Corvallis, OR	Zoology, Statistics Minor	Ph.D. 2011
<b>Stanford University</b> , Stanford, CA	Biology	B.S. 2000

### APPOINTMENTS

<b>Coastal Specialist</b> , California Sea Grant Extension, Samoa, CA	2012-present
<b>Adjunct Professor</b> , Dept. of Fisheries Biology & Dept. of Biological Sciences, Humboldt State University, Arcata, CA	2013-present

### GRANTS & AWARDS

#### **Current Grants & Awards**

2/17-7/20 California Ocean Protection Council, PI: J Abell (Humboldt State), **Co-PI: JA Tyburczy**, \$650,000, 17% Effort, "Potential seagrass buffering of Humboldt Bay to ocean acidification and implication for aquaculture industry and hatchery and eelgrass managers"  
8/18-7/20, California State University Agricultural Research Institute, PI: Paul Bourdeau (Humboldt State), **Co-PI: JA Tyburczy**, \$52,000, "The role of eelgrass in the mitigation of ocean acidification in Humboldt Bay, with implications for the expanding aquaculture industry"

#### **Previous Grants & Awards**

2/14-1/17 California Ocean Protection Council, PI: SF Craig (HSU), **Co-PI: JA Tyburczy**, \$300,000, 6% Effort, "North Coast MPA Baseline Program: Baseline Characterization of Rocky Intertidal Ecosystems"  
2/14-1/17 California Ocean Protection Council, PI: TJ Mulligan (HSU), **Co-PI: JA Tyburczy**, \$375,000, 4% Effort, "North Coast MPA Baseline Program: Baseline Characterization of Nearshore Fish Communities Associated With Rocky Reef Habitats"  
5/17-4/18 California Ocean Protection Council, PI: Rick Starr (Moss Landing/San Jose State), **Co-PI: JA Tyburczy**, \$672,000, 3% Effort, "Statewide Collaborative Fisheries Marine Protected Area Monitoring"  
10/15-7/18 US Environmental Protection Agency, PI: Jennifer Curtis (USGS), **Co-I: JA Tyburczy**, \$373,000, 2% Effort, "Assessing Sediment Supply, Sediment Contaminants, Water Quality, and Salt Marsh Sustainability in Humboldt Bay, CA"  
9/15-12/18 US Fish & Wildlife Service (North Pacific Landscape Conservation Cooperative), PI: **JA Tyburczy**, \$53,500, 6% Effort, "Developing Shared Strategies for Sea-level Rise Adaptation in Working Lands of Humboldt Bay and the Eel River Delta"  
5/18-4/19 California Ocean Protection Council, PI: Rick Starr (Moss Landing/San Jose State), **Co-PI: JA Tyburczy**, \$672,000, 4% Effort, "Statewide Collaborative Fisheries Marine Protected Area Monitoring"

### PEER-REVIEWED PUBLICATIONS

- Bonicelli, J, **J Tyburczy**, FJ Tapia, GR Finke, M Parragué, S Dudas, BA Menge, SA Navarrete. 2016. Diel vertical migration and cross-shore distribution of barnacle and bivalve larvae in the central Chile inner-shelf. *Journal of Experimental Marine Biology and Ecology*, 485: 35–46. <https://doi.org/10.1016/j.jembe.2016.08.013>
- Woodson, CB, MA McManus, **JA Tyburczy**, JA Barth, L Washburn, JE Caselle, MH Carr, DP Malone, PT Raimondi, BA Menge, SR Palumbi. 2012. Coastal fronts set recruitment and connectivity patterns across multiple taxa. *Limnology and Oceanography*. 57: 582–596.
- Dudas, SE, G Rilov, **J Tyburczy**, and BA Menge. 2009. Linking larval abundance, onshore supply and settlement using instantaneous and integrated methods. *Marine Ecology Progress Series*. 387:81–95, doi: 10.3354/meps08095
- Woodson, CB, L Washburn, JA Barth, DJ Hoover, AR Kirincich, MA McManus, JP Ryan, and **J Tyburczy**. 2009. Northern Monterey Bay upwelling shadow front: Observations of a coastally and surface-trapped buoyant plume. *Journal of Geophysical Research*. 114, C12013, doi: 10.1029/2009JC005623.
- Woodson, CB, DI Eerkes-Medrano, A Flores-Morales, MM Foley, SK Henkel, M Hessing-Lewis, D Jacinto, L Needles, MT Nishizaki, J O'Leary, CE Ostrander, M Pespeni, KB Schwager, **JA Tyburczy**, KA Weersing, AR Kirincich, JA Barth, MA McManus and L Washburn. 2007. Local diurnal upwelling driven by sea breezes in northern Monterey Bay. *Continental Shelf Research*. 27(18): 2289-2302.

#### **TECHNICAL REPORTS & BOOK CHAPTERS**

- Richmond, L, W Fisher, W Smith, S Hackett, **J Tyburczy**. 2018. Humboldt Bay shellfish mariculture business survey: assessing economic conditions and impact. Report. 27 pp.
- Nielsen, K, J Stachowicz, H Carter, K Boyer, M Bracken, F Chan, F Chavez, K Hovel, M Kent, K Nickols, J Ruesink, **J Tyburczy**, S Wheeler. 2018. Emerging understanding of the potential role of seagrass and kelp as an ocean acidification management tool in California. California Ocean Science Trust, Oakland, California, USA. Report. 18 pp.
- Mulligan, T, **J Tyburczy**, J Staton, I Kelmartin, D Barrett. 2017. Baseline characterization of fish communities associated with nearshore rocky reefs in the Northern California Marine Protected Area Study Region. Report. 79pp.
- Craig, S, **J Tyburczy**, I Aiello, R Laucci, A Kinzinger, P Raimondi, M Miner, R Gaddam, K Ammann, M George, L Anderson, D Lohse, M Douglas, N Fletcher, J Lopiccolo, K Hinterman. 2017. Baseline characterization of rocky intertidal ecosystems along the North Coast of California. Report. 119pp.
- Tyburczy, J**, B Peterson, J Abell, E Bjorkstedt. 2014. Mass stranding and mortality of euphysiids and crustaceans in Oregon and Northern California on 15-18 June 2013. *In: State of the California Current 2013-14: El Niño looming*. California Cooperative Oceanic Fisheries Investigations Reports. 55: 51–87.
- Dudas, S and **J Tyburczy**. 2014. Larval availability and supply. p. 224-240. *In Biofouling Methods*. S Dobretsov, DN Williams, and JC Thomason, eds. 392p. Wiley-Blackwell. ISBN 978-0-470-65985-4