Salmon Conservation Hatchery Project
Monterey Bay Salmon & Trout Project

Supervisor/Sponsor: Monterey Bay Salmon & Trout Project: Seth Bowman / Mat Rowley
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# of interns needed/Hours 12-15hrs/intern (minimum)
Needed for quarters: 3  Options (choose one)
worked per intern: 1, Fall  1-2, Winter  1-2, Spring

Describe the internship assignment:
Monterey Bay Salmon and Trout Project (a non-profit NGO) operates a salmonid conservation hatchery in the Scott Creek watershed, just north of Davenport. The project goals are to help preserve and rebuild local populations of ESA-listed coho salmon and winter steelhead in Santa Cruz/San Mateo coastal watersheds. The hatchery works in partnership with CDFW and NOAA/NMFS Fisheries Ecology Division’s Salmon Ecology research team located on the Long Marine Lab campus.

Fall quarter internship would involve assisting hatchery staff completing daily and seasonal activities at the hatchery, including but not limited to: feeding fish, cleaning tanks and raceways, hatchery maintenance, monitoring water flow system, performing above activities in hatchery manager/fish culturist absence, working with NOAA Fisheries personnel conducting research at hatchery, marking hatchery fish for post-release identification, using ultrasound to assess adult fish for reproductive status. In addition, intern may attend meetings related to hatchery and organization guidance and learn about permitting and management process associated with managing local salmon populations. Special projects involving data management & analysis, other research projects, public relations, and non-profit management may be available on request.

- Winter quarter internship would involve above activities, and in addition assist staff with spawning of adult coho and steelhead and incubation of coho and steelhead eggs and administration of chemotherapeutic treatments.
- Spring quarter focuses on coho tagging and releases of coho and/or steelhead smolts into area watersheds as well as care of emergent coho and/or steelhead fry.

Prerequisites: Outline the skills and background information necessary to participate in this internship.

- Reliable transportation is required (facility is ~16 miles from campus) Interns must be willing to commute to the hatchery 2-3 times per week for 2 to 6-hour shifts (sometimes longer), preferably during weekdays, but occasionally on weekends and holidays.
- In addition, after orientation and training is satisfactorily completed, interns may be required to perform tasks unsupervised in a remote setting.
- Field work will involve manual labor and lifting up to 50 pounds. Most of the work is outdoors and requires frequent exposure to cold water, and adverse weather conditions (work must be done rain or shine)