



SANCTUARY STUDENT MONITORING PROJECT



SANDY BEACH MONITORING PROJECT TEACHER HANDBOOK

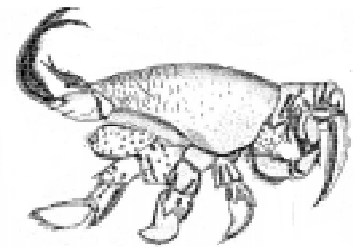
The Sandy Beach Monitoring Project is a long-term, baseline monitoring project implemented by high school students and teachers in coordination with the Gulf of the Farallones National Marine Sanctuary and the Farallones Marine Sanctuary Association. This project offers an in-depth approach to learning and understanding the natural history of the sandy beach ecosystem, specifically the sand crab, and scientific monitoring techniques. Students will have the opportunity to monitor in the field three times per year.

Specifically, the Sandy Beach Monitoring Project endeavors to answer the following questions:

- 1) What is the community of sand crabs described in terms of the crabs' size, gender, and reproductive status?
- 2) What is the abundance of sand crabs described in terms of density?
- 3) What is the distribution of sand crabs along a transect?
- 4) How does the community of sand crabs change throughout the year?

The teacher handbook includes the following:

- Instructions for monitoring at the sandy beach
- Information on the natural history of the sandy beach ecosystem and sand crabs
- Examples of data sheets
- An example of a database



This project requires a large time commitment by the teacher and students. Teachers that monitor within the Gulf of the Farallones National Marine Sanctuary may receive guidance and support from the Farallones Marine Sanctuary Association.

Please contact us at (415) 561-6625 if you have any questions. Thanks for your interest!
www.farallones.org

Please fill out, enclose with payment, and mail to: FMSA – Education, The Presidio, P.O. Box 29386, San Francisco, CA 94129.

Yes! Send me a copy of the Student Sandy Beach Monitoring Project Teacher Handbook. Enclosed is my \$5.00 check to cover the costs of shipping.

Name

School

School Address

City *State* *Zip*

Work Telephone *Home Telephone*

E-mail Address

