

# U.S. Coast Guard Humboldt Bay, Eureka, CA

Light 9 Aid to Navigation (AtoN) construction.

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## Project Overview

Sustainable Group key personnel performed on-site construction services during the construction of Humboldt Bay Light 9.

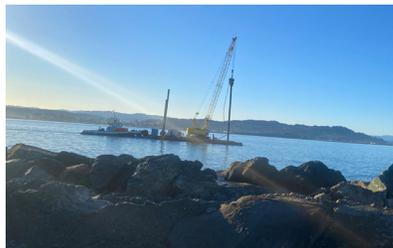
## Reference

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## Project Description

This project originally required the provision of all labor, materials (excluding Government Furnished Material), equipment and transportation required to construct a three-pile steel (ATON) structure and remove a submerged buoy chain and sinker ensemble in Humboldt Bay, CA. Specific elements of work included: Locating and removal of an existing submerged 12,700 lb buoy sinker and 110' chain from a previously destroyed buoy; installation of a three-pile steel beacon structure; and installation of government furnished 5'x5' platform, ladder, light, and day boards. Work began with divers searching for several hours for the submerged buoy chain and sinker; however, they were unsuccessful in their efforts and the current location of this ensemble is unknown. In addition, the location of this new light is in the center of the jetty harbor entrance with consistent 6' to 8' swells in this particular area. Thus, ideal weather conditions were necessary for construction and the period of performance had to be extended over two in water work window seasons in order to be accomplished. Construction of the new light still proved very challenging and after several attempts only a single 24" pile was able to be driven



Vibratory pile driving of Light 9 single pile



Completed Light 9

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### Key Personnel Certifications

PE, LEED AP, PMP, CFM

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on station with approval of the U.S. Coast Guard 13th District. Installation of the ladder assembly also took several weeks until favorable weather conditions returned. The light is currently operational and is watching properly.

Sustainable Group key personnel performed on-site construction management, field superintendence, safety oversight, and Quality Control/Quality Assurance (QA/QC) services throughout the duration of this project without any safety or quality control incidents of any kind.

### About Sustainable Group

Headquartered in Moraga, California, Sustainable Group Inc. is a premier licensed General Contractor (CA #966993, HAZ) providing general construction environmental remediation, demolition, civil site development, and marine construction services. Sustainable Group also offers Leadership in Energy and Environmental Design (LEED) expertise pertaining to renewable energy and sustainable sites, as well as overall facilities management consulting services. Sustainable Group key personnel have over 26 years of experience in successfully executing projects and performing expert facilities management for multiple Federal entities including the Department of Homeland Security, Department of Veterans Affairs, Department of Defense, Department of Energy, Department of Transportation, and the Army Corps of Engineers.

### Let's Discuss Your Needs

Sustainable Group will become a highly valued and trusted resource that you'll rely upon to consistently provide expert, efficient and professional construction, remediation, demolition, LEED, and facility management consulting services. Contact us at your convenience; we look forward to discussing your needs.

For more information, call us at **925-899-9721**, or email [info@sustainable-group.com](mailto:info@sustainable-group.com).