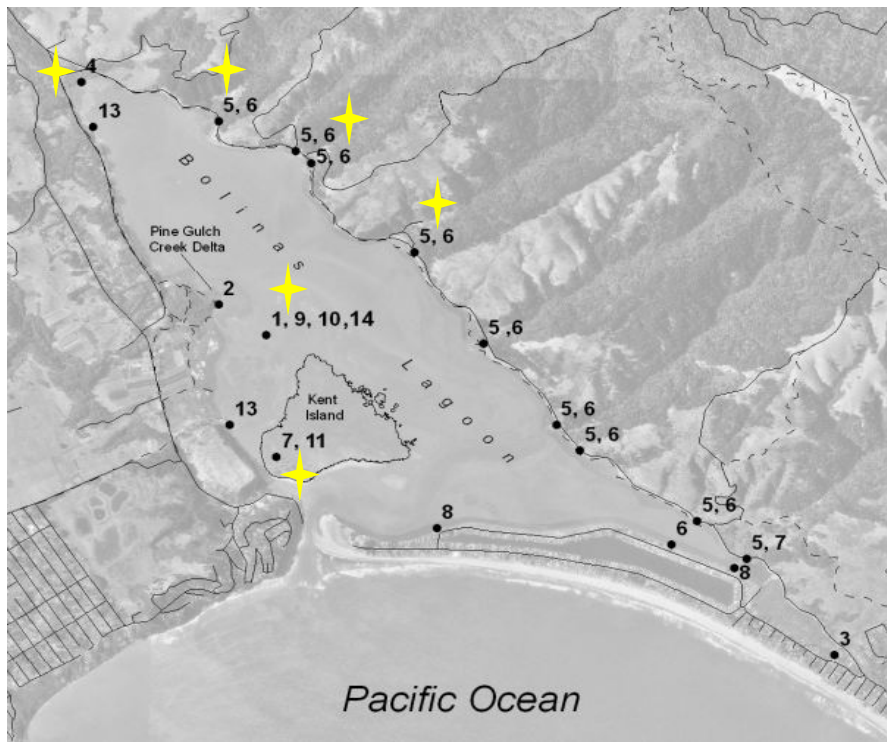




# Bolinas Lagoon Restoration Accomplishments Summary



In 2008 a partnership between community members, scientists, agencies, and local organizations released the Locally Preferred Plan, outlining 25+ restoration and management recommendations for Bolinas Lagoon and its surrounding watershed. The map below depicts locations of major projects within the Locally Preferred Plan. Yellow markers identify recommendations that have resulted in projects developed, underway, or accomplished.



- 1) Conduct a sediment source analysis.
- 2) Reestablish Pine Gulch Creek floodplain/delta.
- 3) Investigate a portion of Stinson Beach parking lot as seasonal floodplain for Easkoot Creek.
- 4) Improve floodplain functions and unnatural sediment levels in the area of the Bolinas "Y."
- 5) Prioritize delta removal and improve floodplain function along the eastern shore.
- 6) Improve transitional habitat along the eastern shore and Dipsea Road.
- 7) Restore Kent Island as a dynamic flood shoal island.
- 8) Investigate managing tidal exchange of Seadrift.
- 9) Actively plan/manage for Sea Level Rise.
- 10) Model suitable eelgrass habitat and restore.
- 11) Prioritize, remove, and manage introduced species on Kent Island.
- 12) Remove treated woody debris.
- 13) Investigate and if feasible remove dump sites.
- 14) Investigate septic and sewage water quality violations.



Field Work



Roadwork

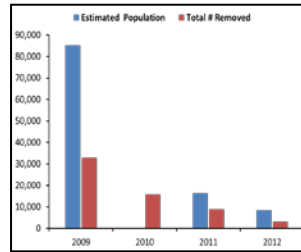


Community Outreach

***We work to protect your lagoon!***

# Accomplishments

**2009 - Green Crab Removal at Seadrift:** Since its start in 2009, with the help of local homeowners and volunteers, this project has reduced the number of invasive green crabs from 80,000 to 8,000 (see graph).



Green crab removal at Seadrift

**2010-2012 - Caltrans Roadwork:** Caltrans completed roadwork along a two mile stretch of Highway 1 on the lagoon's eastern shore, replacing cracked and corroded culverts, paving dirt pullouts and installing debris drainage grates. The project helps reduce toxins entering the lagoon, removed invasive plants, and established transitional habitat.

**2013 - Kent Island Restoration Project:** Volunteer based non-native plant removal began in Spring 2013 and will continue through 2018. The goal of this project is to help restore the hydrologic function of the Lagoon. Additional benefits include habitat for native and special status plant and bird species, release of captured sediment, increased water movement, and strengthening resiliency to earthquakes and storm surges.



Volunteer training at Kent Island

## **2014 – Release of Bolinas Lagoon Restoration Project Design Review Group**

**Summary:** Through the San Francisco Bay Joint Venture Design Review Group, expert environmental engineers and ecologists, community members, and managing partners met to consider the need and feasibility of projects within the LPP since its 2008 release. A summary document details the meetings discussions through prioritization of projects based on new climate change science, and will be used to inform future management and project



Design Review Group meeting

## Next Steps

The next step is to move forward with the scoping, feasibility and environmental review of the priority project stemming from the Design Review Group meeting: **Floodplain restoration and sediment management at the northern Bolinas “Y” at Lewis and Wilkins Gulch creeks.**

In the meantime we will continue implementing projects such as the Kent Island Restoration project, vegetation management including invasive *Spartina* removal, and Green Crab control efforts in Seadrift Lagoon. We also plan to continue hosting public meetings and community lectures, and releasing issues of the *Bolinas Lagoon Bulletin* on the status of these projects while ensuring that public feedback and priorities are incorporated into the restoration process.

***We are committed to restoration progress, maintaining momentum, and keeping the community involved!***

**Questions or comments about Bolinas Lagoon restoration?**  
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