

## Water Quality Report Card

<b>Regional Water Board:</b>	<b>San Diego, Region 9</b>
<b>Beneficial Uses Affected:</b>	MAR, WILD, COMM, BIOL, EST, SHELL, MIGR, RARE, REC-1, REC-2, NAV, IND
<b>Implemented Through:</b>	CAO, <a href="#">WDR</a>
<b>Effective Date:</b>	March 14, 2012
<b>Attainment Date:</b>	2016

## Copper and Mercury at the Shipyard Sediment Site, San Diego Bay

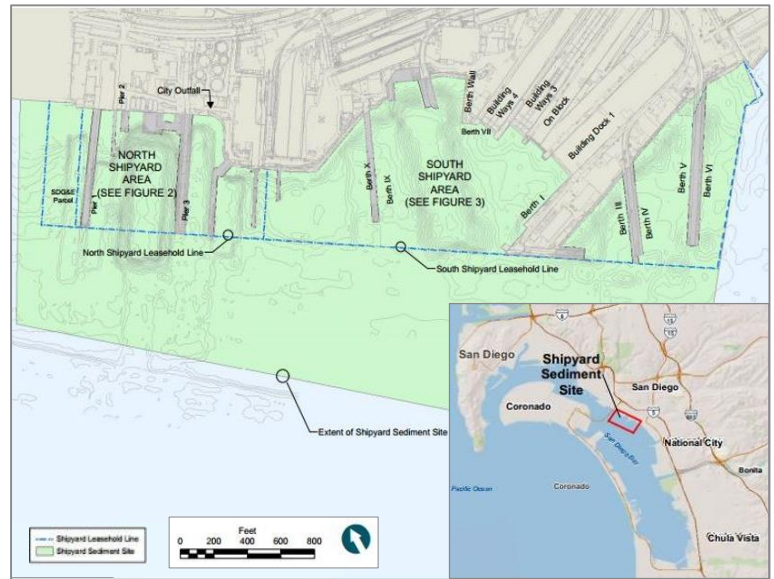
<b>STATUS</b>	<input type="checkbox"/> Conditions Improving
	<input checked="" type="checkbox"/> <b>Data Inconclusive</b>
	<input type="checkbox"/> Improvement Needed
	<input type="checkbox"/> Targets Achieved/Waterbody Delisted

**Pollutant Type:**  Point Source  Nonpoint Source  Legacy

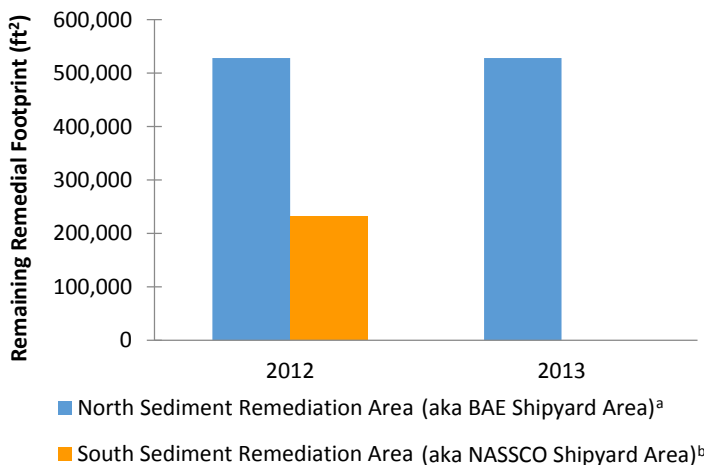
### Water Quality Improvement Strategy

The [Shipyard Sediment Site](#) (SSS) covers approximately 53 acres of tidelands property along the eastern shore of central San Diego Bay, one-half mile south of the Coronado Bridge. Since the early 1900s, SSS has been used for various industrial activities, which lead to the discharge of metals and other pollutant wastes to San Diego Bay marine sediment and water. As a result, the bay was added to the 1990 and 1992 303(d) lists for copper, mercury, zinc, PCBs, and PAHs. These pollutants exceed the bay's water quality objectives, and impair the bay's beneficial uses. Pollutant sources include point and nonpoint sources, municipal, industrial, and military discharges. To address the impairment, Region 9 adopted a [Cleanup and Abatement Order \(CAO\) No. R9-2012-0024](#) in 2012. The CAO established two sediment remedial footprint areas (North and South), and a deadline for responsible parties to remediate over 21 acres of sediment in San Diego Bay to achieve final water quality targets by April 2016. The CAO requires the responsible parties to conduct remedial cleanup actions, such as a combination of dredging of contaminated sediments, and placement of clean sand cover in areas where dredging is not feasible. Dredging is scheduled to occur in three phases (with all activities occurring between September 17, 2013 and March 30, 2016). In 2013, Region 9 also issued a [Waste Discharge Requirements \(WDR\) Order No. R9-2013-0093](#) for a remediation project proposed by the multiple responsible parties.

### San Diego Bay Shipyard Sediment Site



### Remaining Sediment Remedial Footprint Area



<sup>a</sup> Approximately 70 percent of the total cleanup remedial footprint area.

<sup>b</sup> Approximately 30 percent of the total cleanup remedial footprint area.

### Water Quality Outcomes

- The CAO prescribes sediment cleanup levels to be protective of aquatic life, aquatic-dependent wildlife, and human health beneficial uses.
- Remedial actions at the South Sediment Remediation Area were completed in April 2014. Remedial actions removed 29,000 cubic yards of contaminated sediments, and placed clean sand over areas where dredging was not feasible.
- The first of three planned dredging seasons at the North Sediment Remediation Area will be completed by April 2016.
- Post-remedial monitoring to verify that the cleanup targets are attained will occur at two and five years after remediation actions. Monitoring data for sampling sites are available at [GeoTracker GAMA](#).