

Water Quality Report Card

Metals and Selenium in Calleguas Creek

Regional Water Board:	Los Angeles, Region 4
Beneficial Uses Affected:	WARM, WET, WILD, RARE
Implemented Through:	Wastewater (POTW) Permits, MS4 Permit, Conditional Waiver of WDRs for Irrigated Agriculture Discharges
Effective Date:	March 26, 2007
Attainment Date:	Wastewater discharges: March 2017 MS4 and irrigated agriculture discharges: March 2022

STATUS Conditions Improving

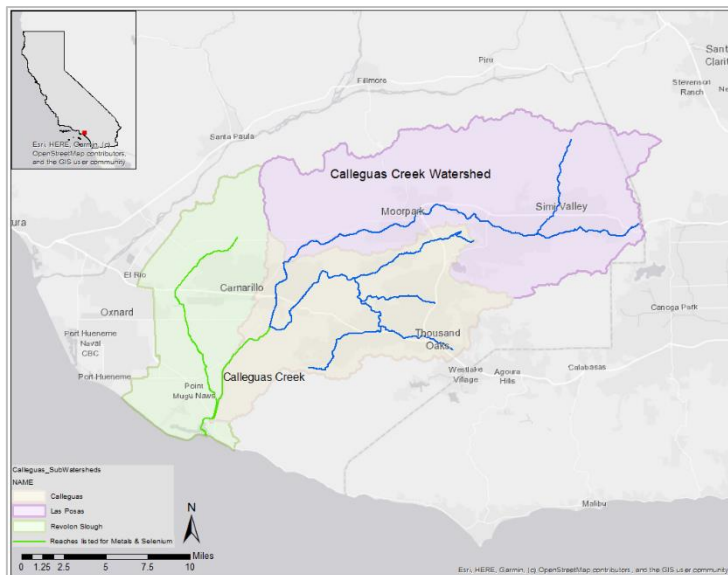
Pollutant Type: Point Source, Non-point Source, Legacy

- Pollutant Source:**
- POTWs
 - Urban Runoff
 - Agricultural Runoff
 - Groundwater Seepage

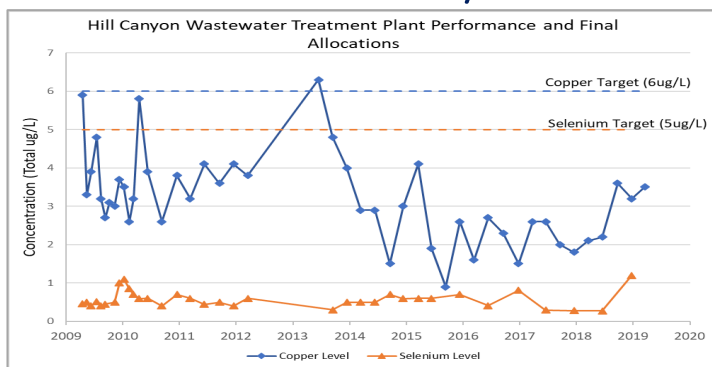
Water Quality Improvement Strategy

Calleguas Creek and its tributaries are located in southeast Ventura County and a small portion in Los Angeles County. Revolon Slough, Calleguas Creek - Reach 2, and Mugu Lagoon are listed as impaired on the USEPA Clean Water Act 303(d) list for copper, nickel, mercury, and selenium. The strategy for meeting the water quality objectives focuses on reducing metals and selenium loadings from major point and non-point sources. The [Total Maximum Daily Load \(TMDL\)](#) addresses metals and selenium impairments in the Calleguas Creek watershed by assigning Waste Load Allocations (WLAs) and load allocations (LAs) to major sources, including discharges from publicly owned treatment works (POTWs), municipal separate storm sewer systems (MS4s), and irrigated agriculture. Metals loadings from irrigated agriculture and MS4s must be reduced by 50% by March 2017. Final WLAs must be reached by March 2017 by POTWs and by March 2022 for MS4 discharges and irrigated agriculture, respectively.

Calleguas Creek Watershed Map



TMDL Waste Load Allocations/Load Allocations

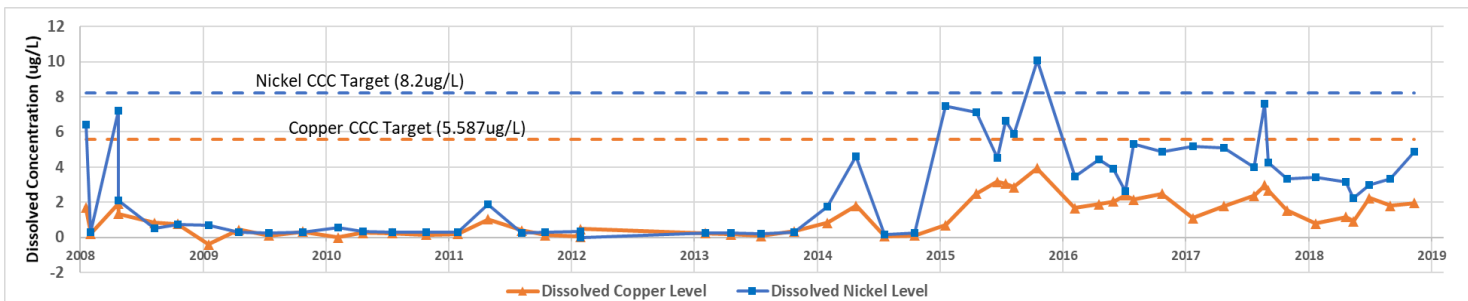


Similar outcomes for other POTWs, including Camarillo WRP and Simi Valley WQCP. Source: Calleguas Creek Watershed TMDLs Annual Reports, 2009-2019

Water Quality Outcomes

- Based on [2009-2019](#) annual monitoring reports, metals and selenium concentrations in POTW discharges are meeting the final WLAs. Discharges from irrigated agriculture and MS4s are on their way to meeting metals final allocations.
- Mugu Lagoon and Calleguas Creek Reach 2 (saltwater reaches) are meeting the TMDL targets for copper and nickel.
- Metals concentrations at receiving water sites for MS4 and agricultural discharges are meeting interim WLAs and LAs.
- Selenium levels in Revolon Slough still exceed the target due to a generally high selenium concentration in groundwater.

Water Quality in Mugu Lagoon and Calleguas Creek, Reach 2



Saltwater quality condition in Central Mugu Lagoon and Calleguas Creek Reach 2. Water quality data throughout Mugu Lagoon are below TMDL target with some fluctuations. Source: Calleguas Creek Watershed TMDLs Annual Reports, 2009-2019