

Geographic Hot Spots for Trace Element Parameters of Concern

Trace Element	Known Hot Spots	Potential Hot Spots
Cadmium	Sacramento River -Freeport to Hood (2,400 acres); San Joaquin River -Vernalis to Old River (654 acres)	Carquinez Strait-Mare Island Strait (10-50 acres); Suisun Bay-Concord Naval Weapons Station (50-250 acres) Peyton Slough (<10 acres); Delta Waterways-Entire (48,000 acres)
Copper	Carquinez Strait/Suisun Bay -Multiple stations including Honker Bay, Peyton, Boynton, Peytonia and Chadbourne Sloughs (>250 acres); Sacramento River -Freeport to Hood (2,400 acres); San Joaquin River -Vernalis to Old River (654 acres)	Carquinez Strait-Mare Island Strait (10-50 acres); Suisun Bay- Concord Naval Weapons Station (50-250 acres), Peyton Slough (<10 acres); Delta Waterways-Entire (48,000 acres)
Mercury	SF Bay/Delta (>250 acres); Sacramento River Freeport to Hood (2,400 acres)	Carquinez Strait-Mare Island Strait (10-50 acres); Suisun Bay-Concord Naval Weapons Stations (50-250 acres), Peyton Slough (<10 acres); Sample point off Vallejo (<10 acres)
Selenium	Suisun Bay (>250 acres); San Joaquin River -Vernalis to Old River (654 acres)	Suisun Bay-Concord Naval Weapons Stations (50-250 acres)
Zinc	Sacramento River -Freeport to Hood (2,400 acres)	Suisun Bay-Concord Naval Weapons Station (50-250 acres); Carquinez Strait Peyton Slough (<10 acres)

Source: SWRCB & RWQCBS. 1993. Status of the Bay Protection and Toxic Cleanup Program Staff Report.

Known toxic hot spot-exceed water or sediment quality objectives, water or sediment exhibit toxicity associated with toxic pollutants, and tissue toxic pollutant levels of organisms collected from the site exceed levels established by OEHHA, FDA, DHA and NAS.

Potential toxic hot spot-sites with existing information indicating possible impairment, but without sufficient information to be classified as "known" toxic hot spot.