

# Combined In Situ Chemical Reduction and In Situ Bioremediation Groundwater Treatment for a Chlorinated VOC Plume

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## Overview

### Site Description/Background

- Former dry cleaning facility in Building 99 at the former Naval Station Treasure Island
- Tetrachloroethene (PCE) releases resulted in a groundwater plume extending over 1,100 feet to the San Francisco Bay
- Interbedded sand, silt, clay; groundwater flows east to northeast; hydraulic gradient ranges from 0.001 to 0.008 foot per foot
- In situ bioremediation (ISB) treatability studies from 2003 through 2012 reduced the extent of contamination to several smaller plumes



### Pre-Remedy Extents of Contamination and Proposed Future Land Use

