



Visitation Valley Advisory Body Meeting UPC - SCHLAGE PROJECT STATUS UPDATE

August 14, 2013



Topics

- History
 - Remediation Summary
 - Current Status
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History

- Operational History
 - Schlage Lock (1896-1999)
 - UPC Purchase from Ingersoll-Rand (May 2008)
 - BP PLT-I, LLC assumed remediation obligations through Liability Transfer Agreement with UPC (May 2008)
 - Demolition of site structures 2009
 - Commencement of remediation Feb 2010
 - Contaminants
 - Chlorinated volatile organic chemicals (CVOCs)
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Remediation Summary

- Remedial Action Plan (RAP) Selected Remedy
 - Soil: Excavation and aeration; off-site disposal
 - Groundwater: Enhanced Reductive Dechlorination
 - Implementation
 - Soil: 40,000+ cubic yards (CY) soil excavated, treated, sampled and reused on site; approx. 1,000 CY soil disposed off site (Jan – Dec 2010)
 - Three rounds of ERD injections with sodium lactate and edible vegetable oil (Feb-Mar 2010, Aug-Dec 2010, Jun-Jul 2011)
 - Active Remediation Phase Complete
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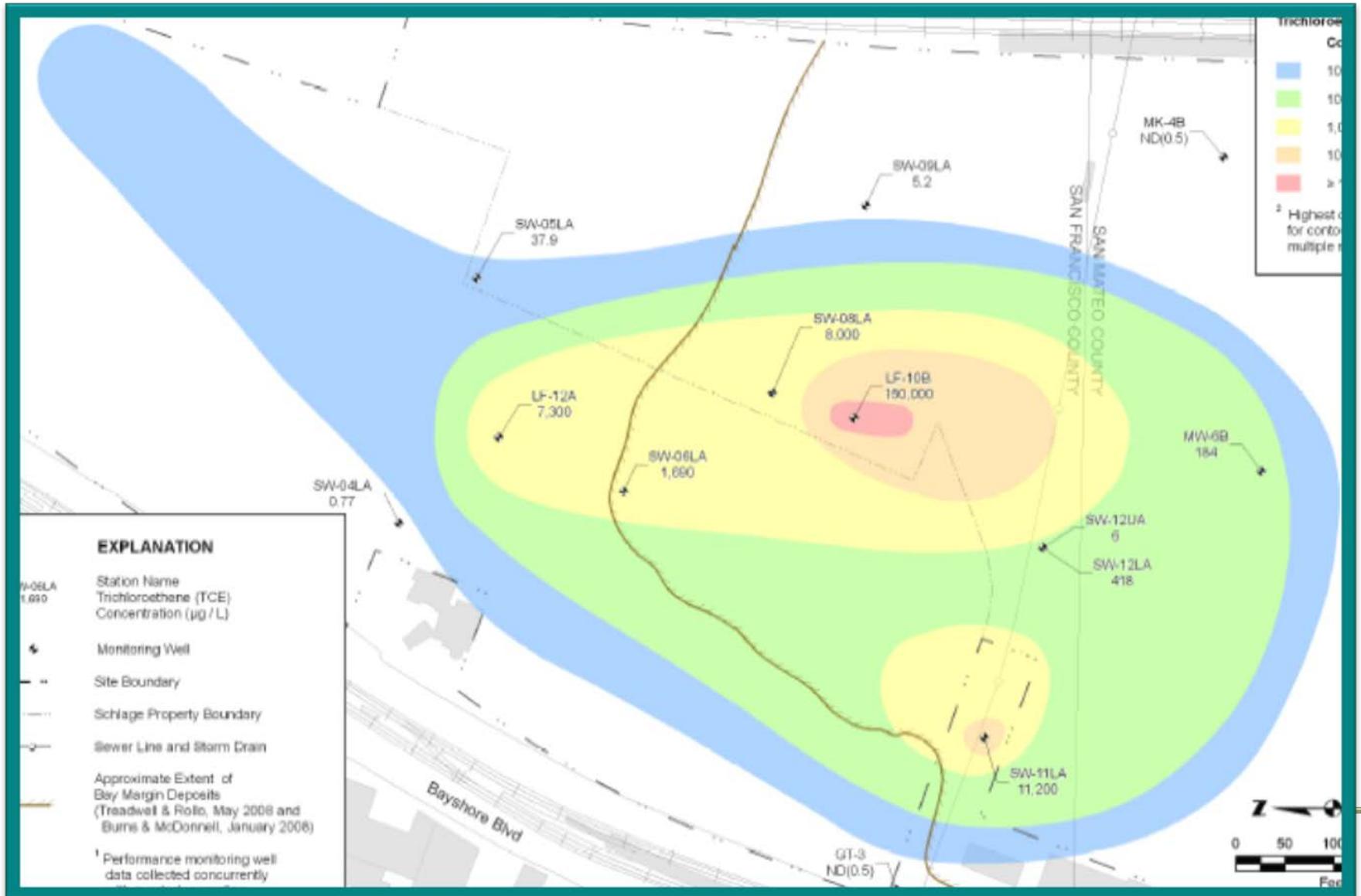


Remediation Summary

- Plume Status
 - Significant response in “recalcitrant” areas of plume
 - Mass Reduction in Plume
 - May 2010 TCE mass in Colma = 270 lbs
 - Feb 2013 TCE mass in Colma = 14 lbs
 - Percent Reduction = 95%
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TCE Plume Reduction in the Colma Formation

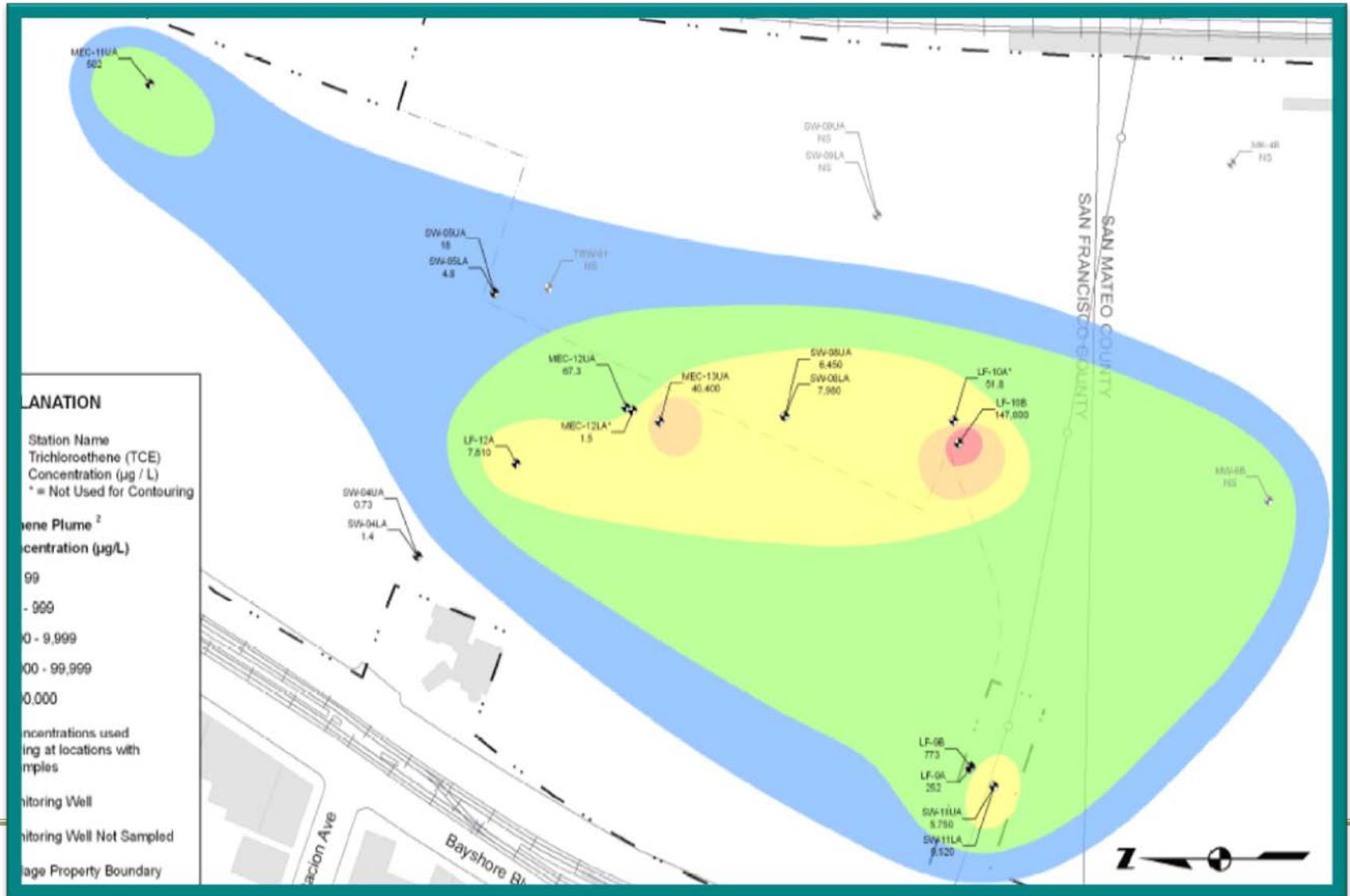
December 2009





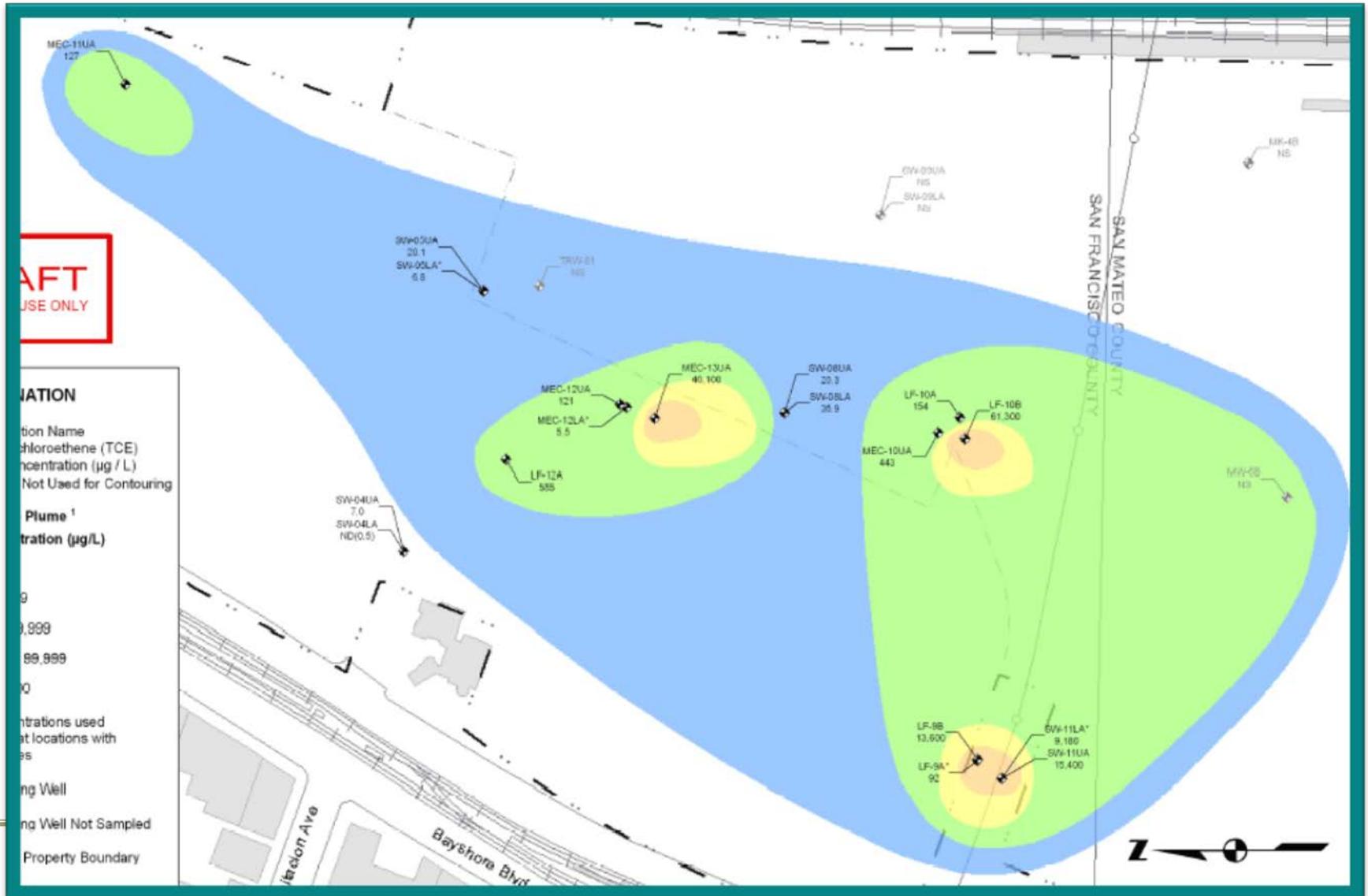
TCE Plume Reduction in the Colma Formation

July 2010



TCE Plume Reduction in the Colma Formation

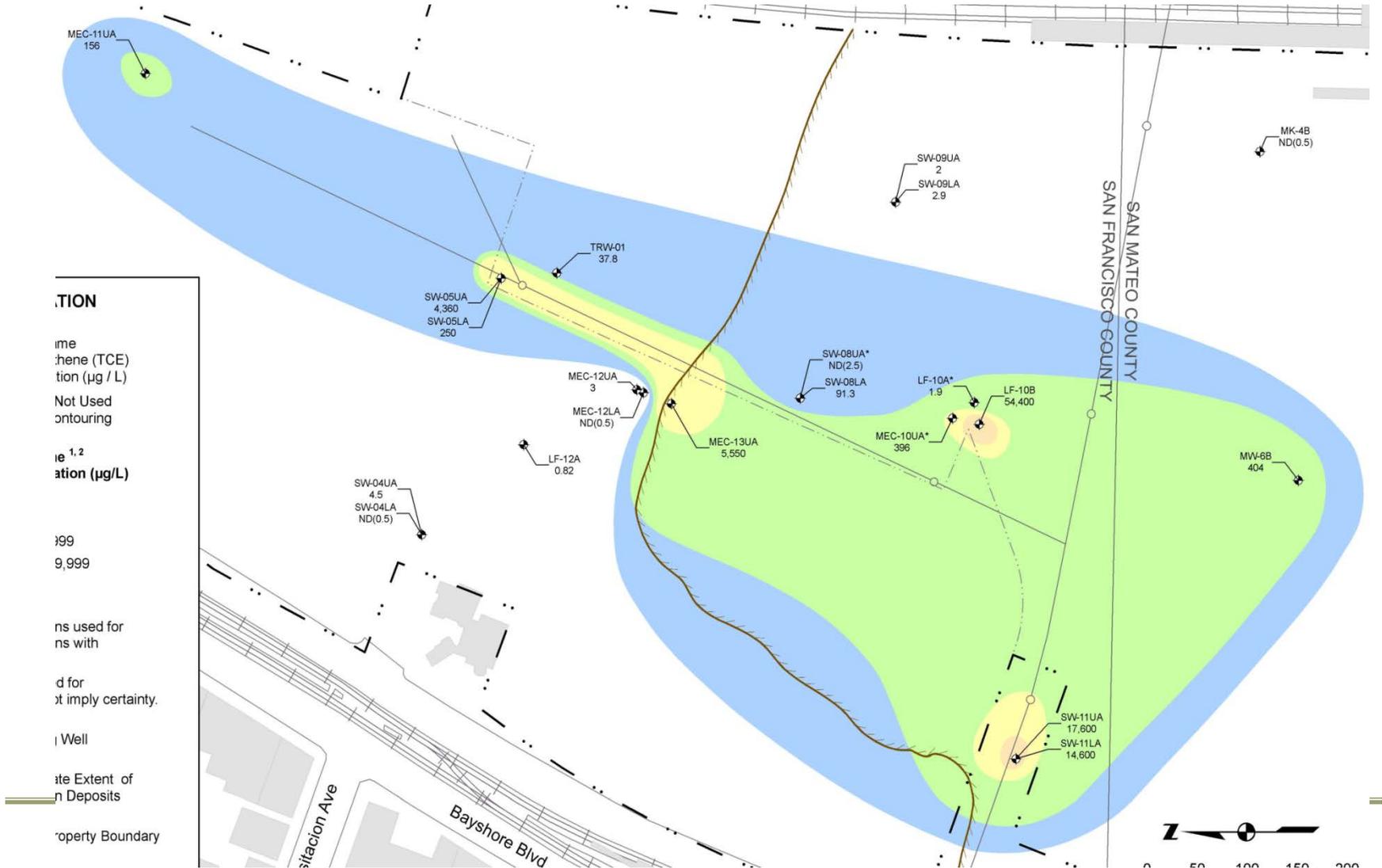
February 2011





TCE Plume Reduction in the Colma Formation

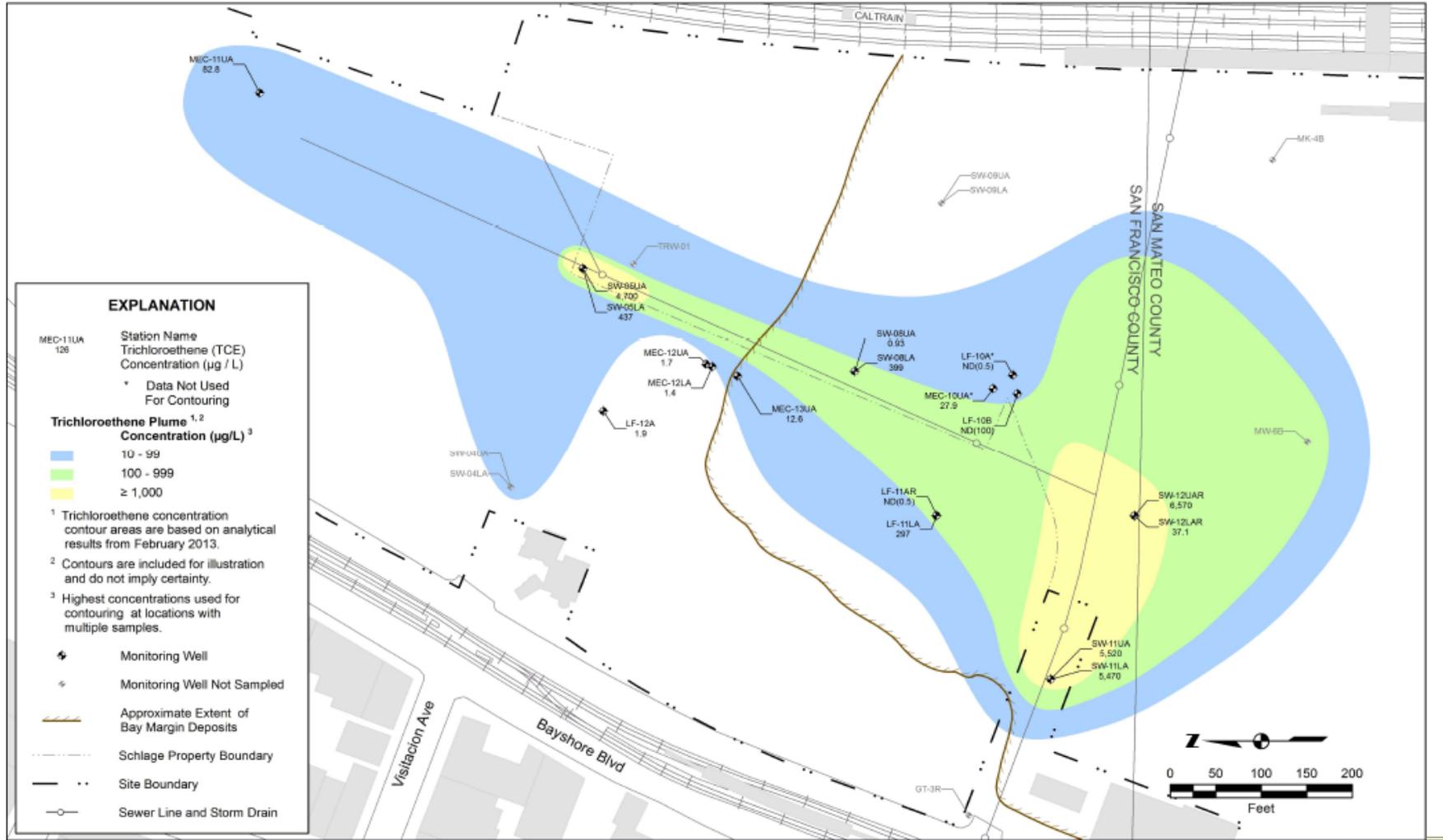
May 2012





TCE Plume Reduction in the Colma Formation

February 2013





Current Status

- Active Remediation Phase Complete
 - No additional soil or groundwater remediation proposed
 - Moving to Operations and Maintenance (O&M) Phase
 - Continued groundwater monitoring
 - Confirmation of continued groundwater cleanup
 - Bioactivity provided by DhC augmentation
 - Monitor complete reductive dechlorination to ethene
 - Confirmation of plume stability and reduction
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Current Status

- Steps to Transition into formal O&M Phase
 - Approval of O&M Plan
 - Complete
 - Certification of RAP
 - Explanation of Significant Difference (ESD)
 - Land Use Controls (LUCs)
 - Financial Assurance
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Questions?

