

Former Fort Ord Monterey County California

Groundwater Cleanup Update February 2024

Ahtna

Definitions

ACL – Aquifer Cleanup Level, the cleanup goal for a COC in groundwater

Aquifer – a body of rock or soil that is sufficiently permeable for groundwater to flow and serve as a water source **Aquitard** – a body of less permeable rock or soil between aquifers that retards the flow of water between the aquifers

COC – chemical of concern

CT – carbon tetrachloride, primary COC at OUCTP

Groundwater – all water under the ground, not water on the surface (rivers, lakes, etc.)

Groundwater Divide – a boundary between groundwater basins; groundwater flows away from a groundwater divide

MNA – monitored natural attenuation

OU – Operable Unit, discrete portion of remedial response that manages migration, or eliminates or mitigates a pathway of exposure

PCE – tetrachloroethene, primary COC at Sites 2/12

Plume – area of aquifer or unsaturated zone in which COCs are present at concentrations greater than cleanup levels

SGCL – Soil Gas Cleanup Level, the cleanup goal for a COC in soil gas

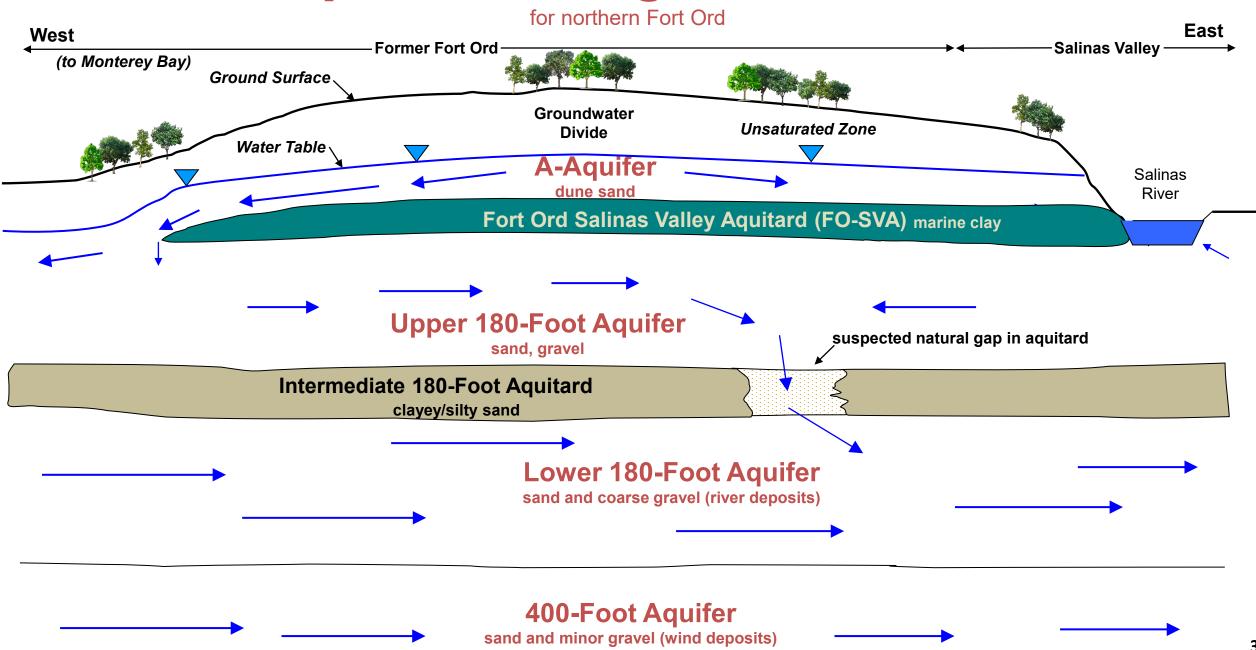
TCE – trichloroethene, primary COC at OU2

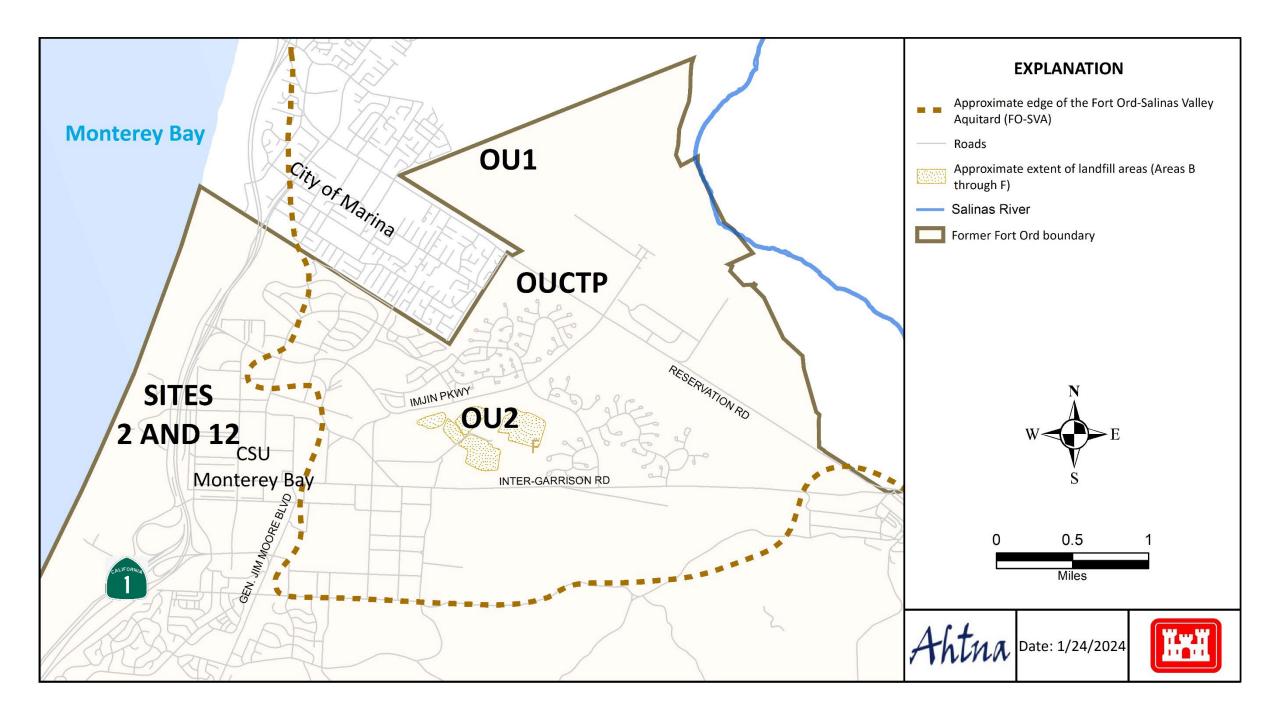
Unsaturated Zone – the portion of the subsurface above the water table

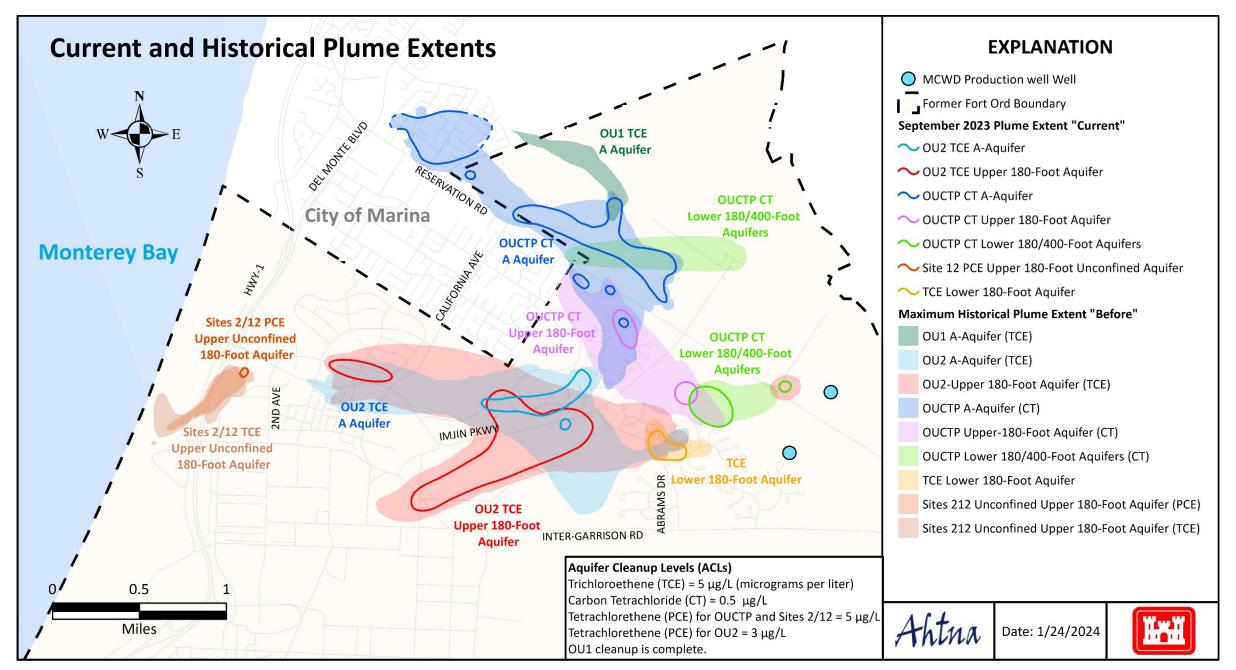
Water Table – depth below ground surface at which groundwater is found (at the top of the saturated zone)

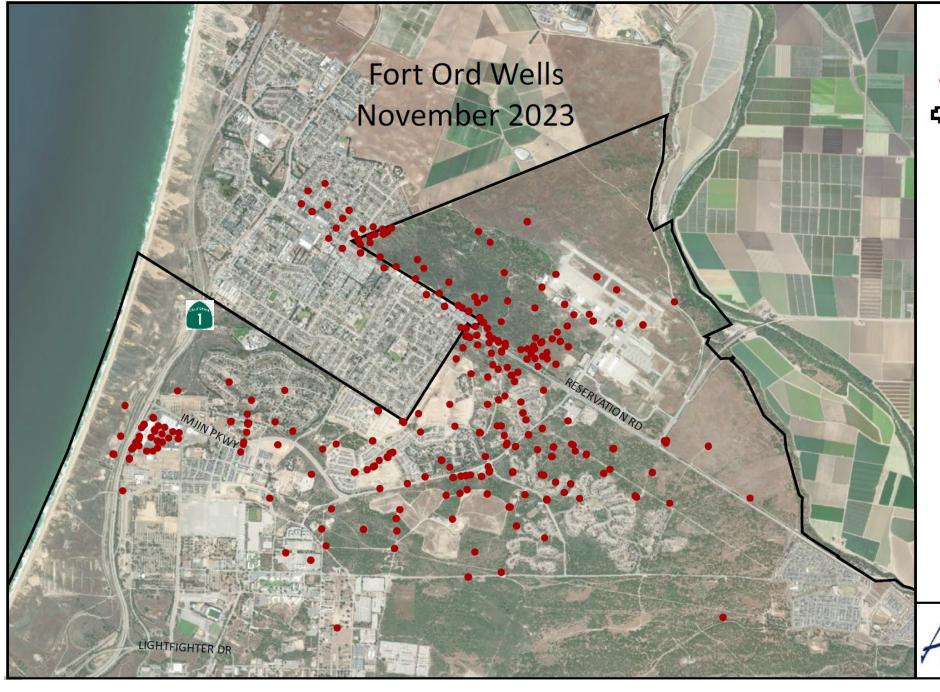


Interpretive Geologic Cross Section









EXPLANATION

Groundwater Monitoring Wells

Former Fort Ord Boundary

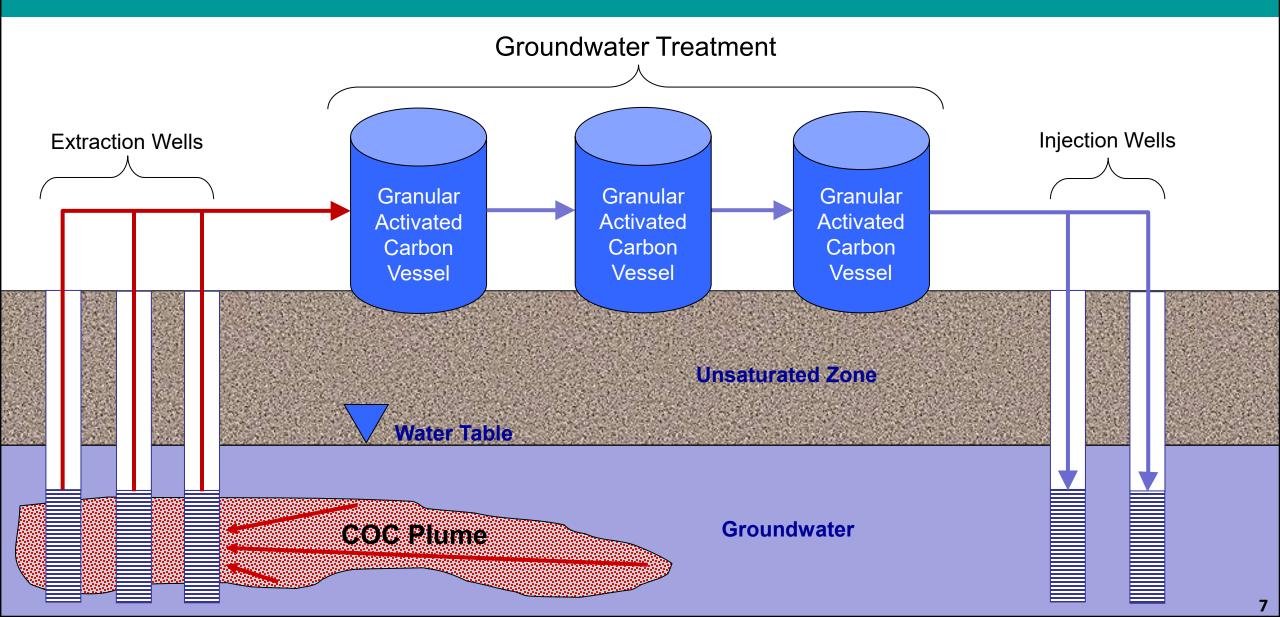








Groundwater Extraction and Treatment Systems Schematic



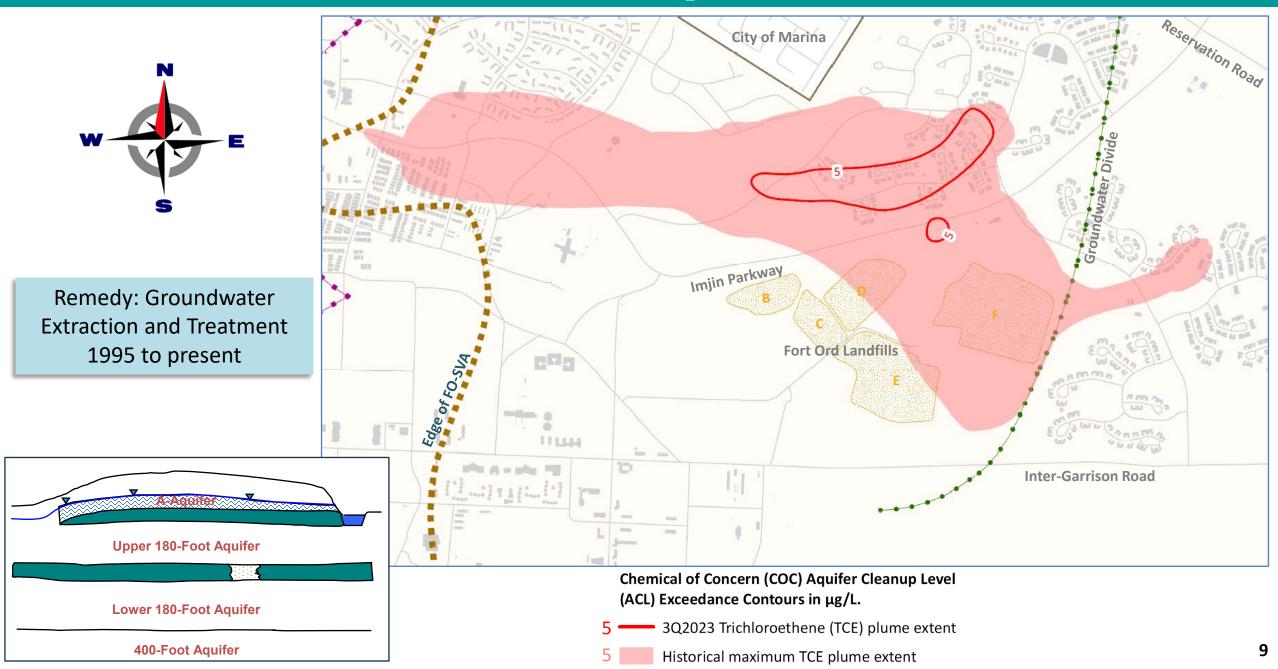
Groundwater Extraction and Treatment System Status

as of December 31, 2023

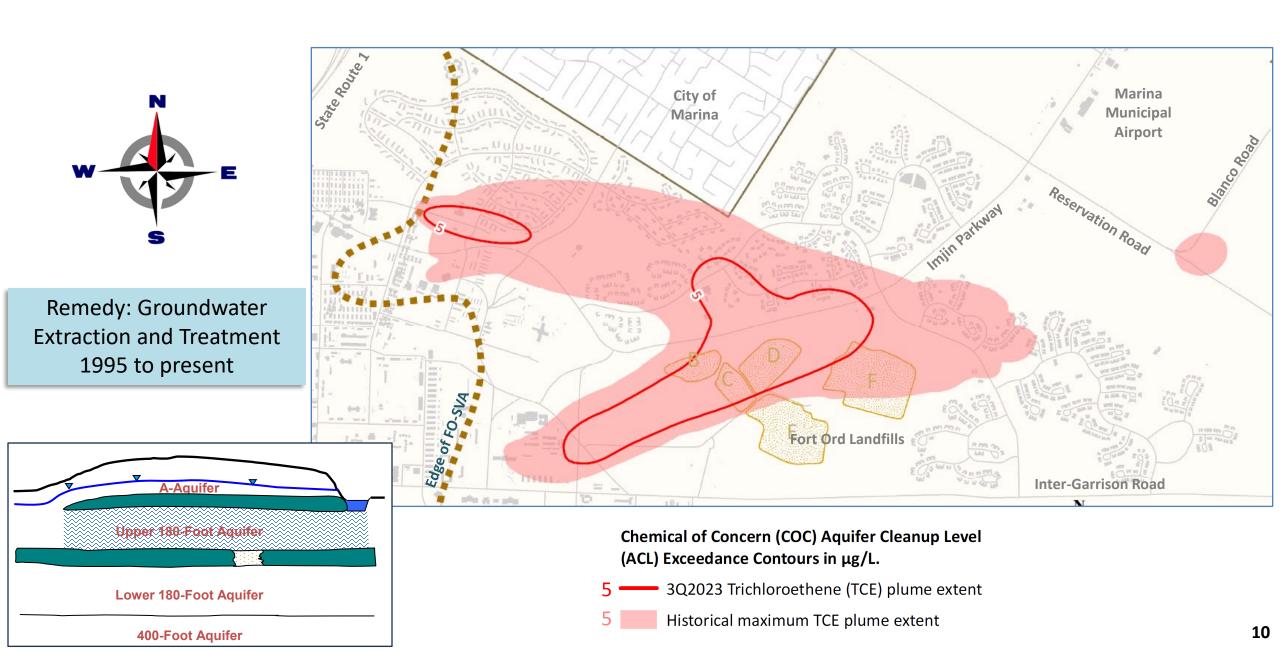
	OU2/OUCTP*	Sites 2/12
Treatment started	October 1995	April 1999
Gallons treated	9.827 billion	2.354 billion
Pounds of contaminants removed	981	498
Gallons of contaminants removed	77	39
Aquifers treated	A-Aquifer Upper 180-Foot Aquifer	Upper 180-Foot Aquifer

^{*}The OUCTP remedy for the Upper 180-Foot Aquifer is connected to the OU2 groundwater treatment plant.

OU2 A-Aquifer



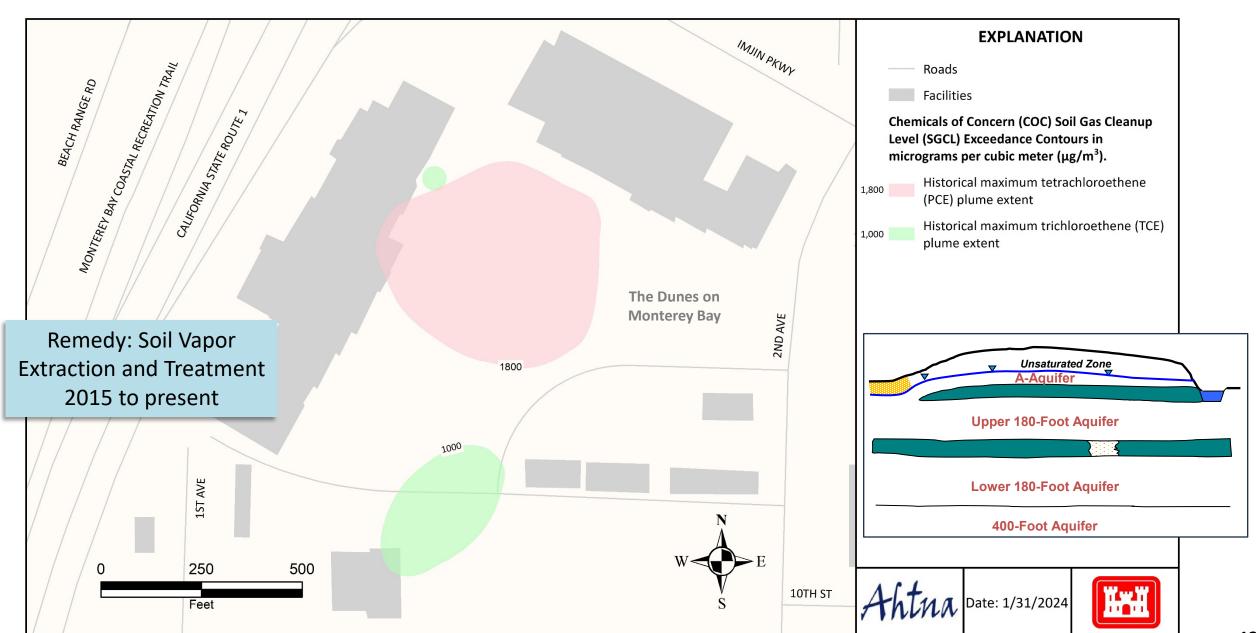
OU2 Upper 180-Foot Aquifer



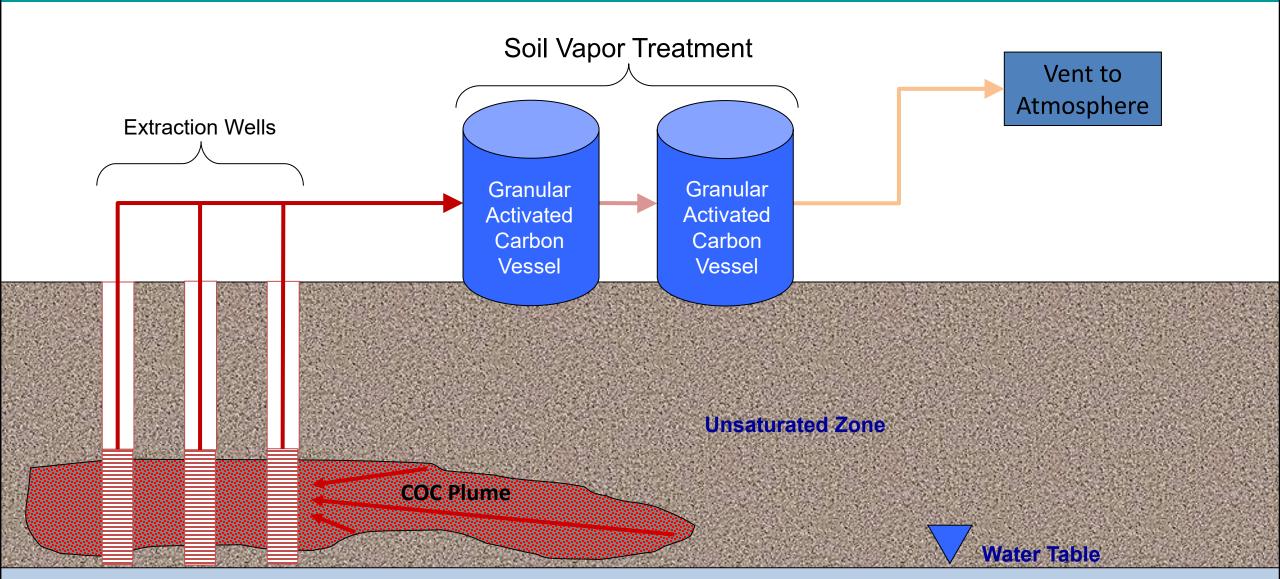
Sites 2 and 12 Upper 180-Foot Aquifer



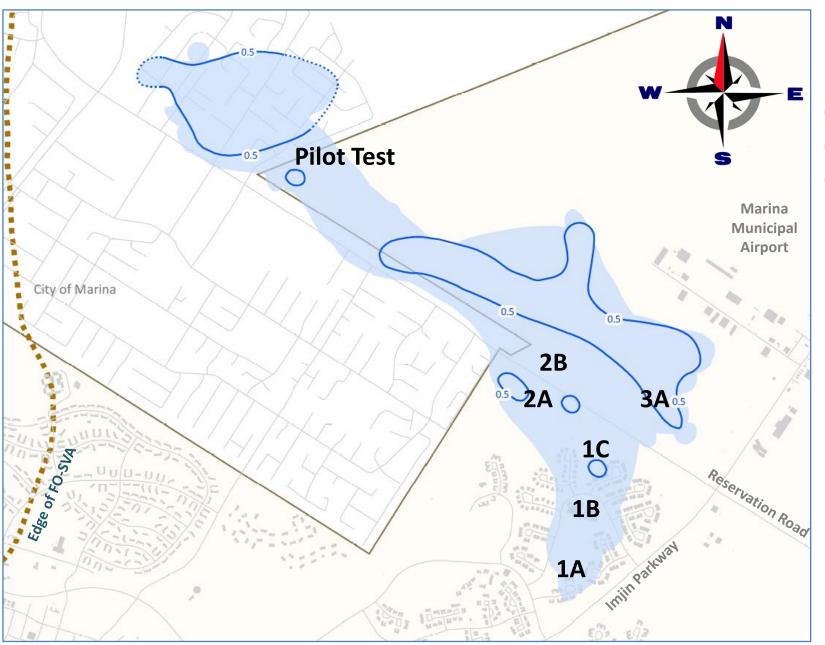
Sites 2 and 12 Unsaturated Zone



Soil Vapor Extraction and Treatment System Schematic



OUCTP A-Aquifer



Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contours in µg/L.

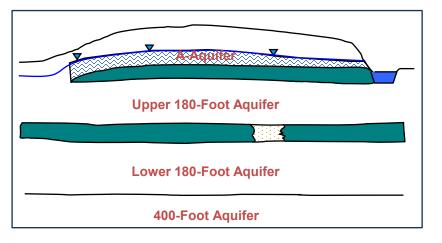
0.5 3Q2023 Carbon tetrachloride (CT) plume extent

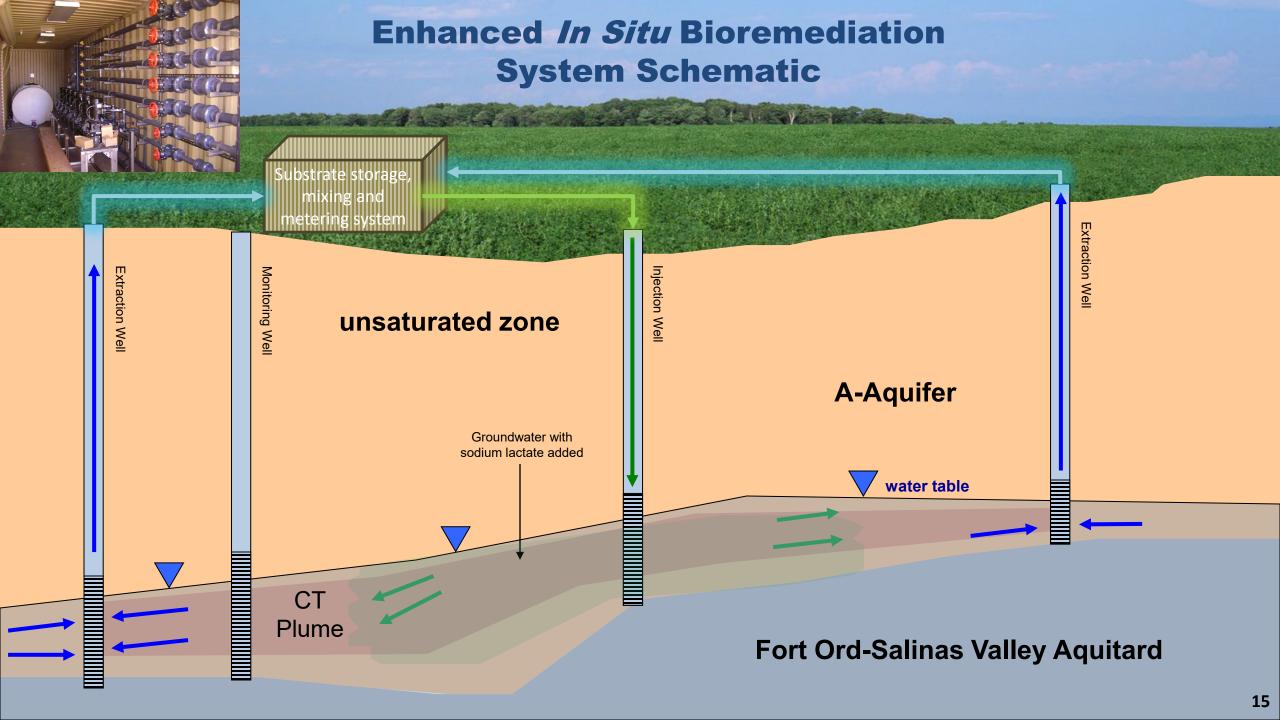
0.5 •••• 3Q2023 estimated CT plume extent

0.5 Historical maximum CT plume extent

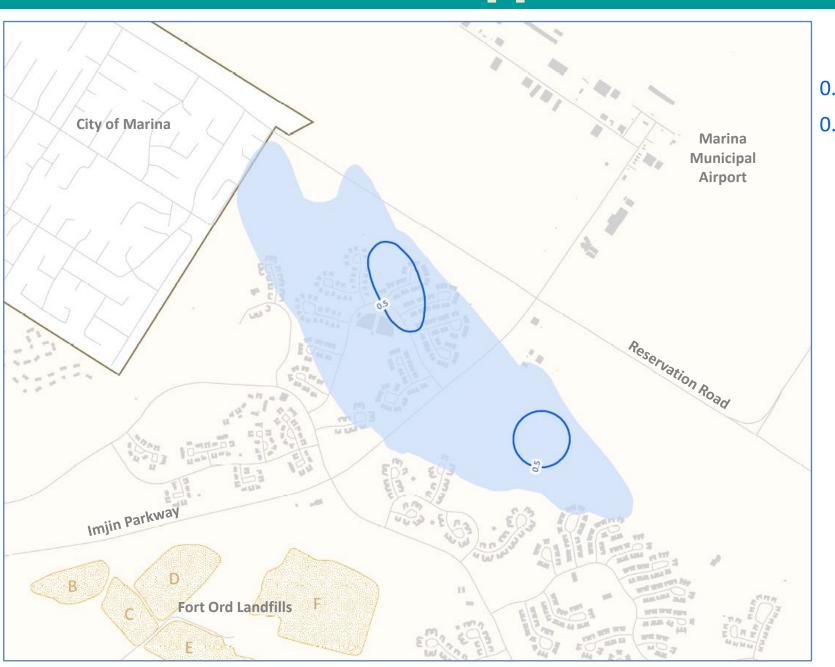
1B EISB deployment area

Remedy: Enhanced *In Situ*Bioremediation (EISB)
2008 to present





OUCTP Upper 180-Foot Aquifer



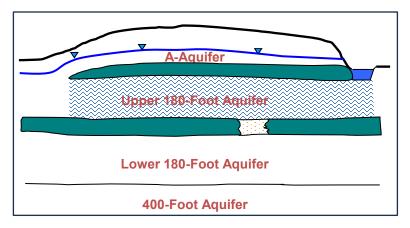
Chemical of Concern (COC) Aquifer Cleanup Level (ACL) exceedance contour in µg/L.

0.5 3Q223 Carbon tetrachloride (CT) plume extent

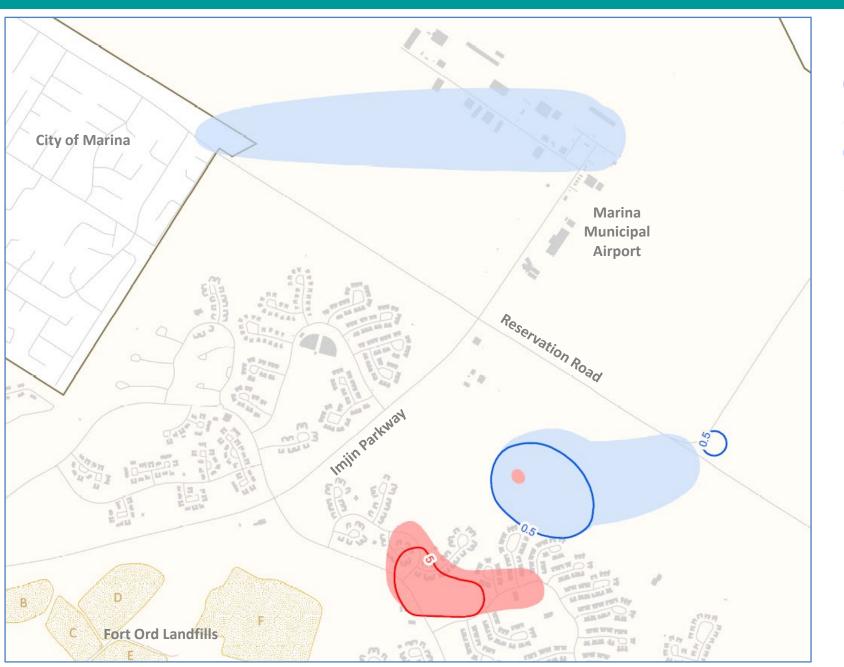
0.5 Historical maximum CT plume extent



Remedy: Groundwater Extraction and Treatment 2011 to present



OUCTP Lower 180-Foot Aquifer



Chemical of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contours in µg/L.

0.5 3Q2023 Carbon tetrachloride (CT) plume extent

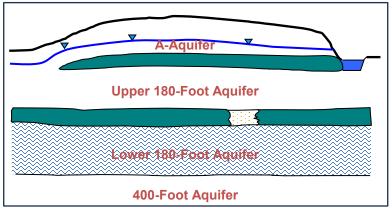
5.0 3Q2023 Trichloroethane (TCE) plume extent

0.5 Historical maximum CT plume extent

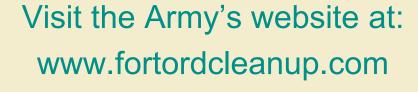
5.0 Historical maximum TCE plume extent



Remedy: Monitored Natural
Attenuation (MNA)
2010 to present



For Additional Information



Visit the Fort Ord Administrative Record at:

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Ord Military Community

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Visit the MCWD website at:

www.mcwd.org

2022 Consumer Confidence Report is available at:

https://www.mcwd.org/docs/ccr/2022/mcwd_ccr_2022.pdf

