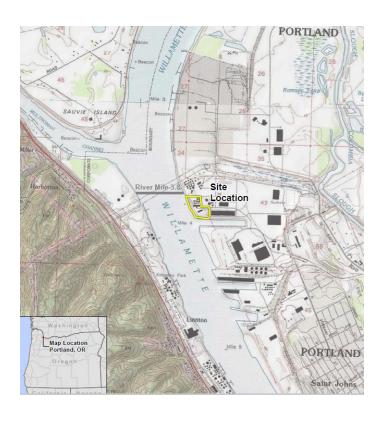
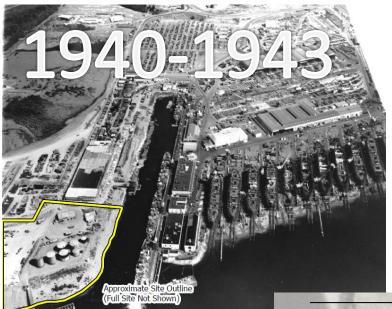
Oregon Source Control Conference Cleanup ~ Water Quality ~ Portland Harbor



Case Study: Premier Edible Oils

May 19, 2017 Portland, Oregon



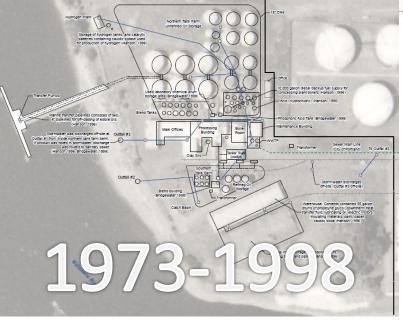


1943-1956

ACC PART LANGE COUNTY PART COUN

Logistical Support for WWII Shipbuilding

Bulk Petroleum Storage



Material Production (Batteries)

Refining/Storage Edible Oils





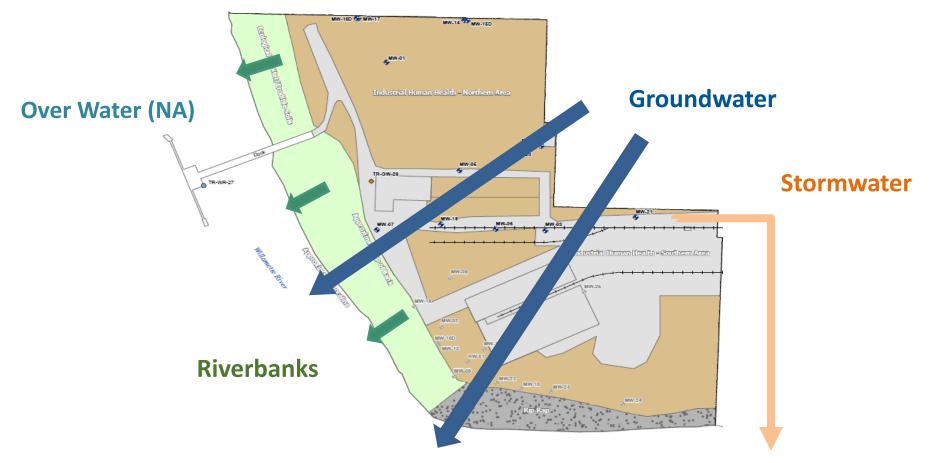






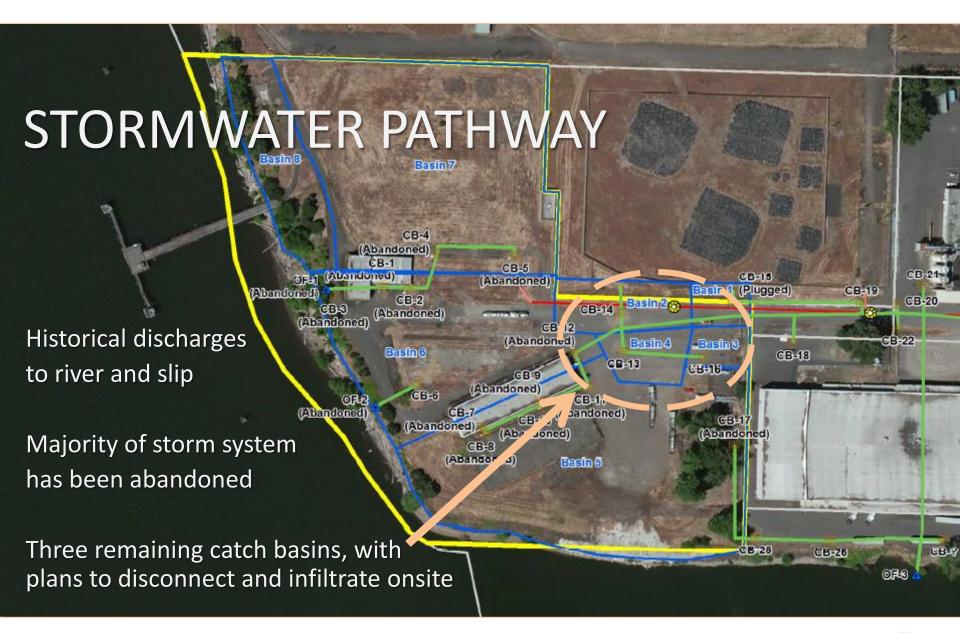
SOURCE CONTROL EVALUATION

Lines-of-Evidence Approach

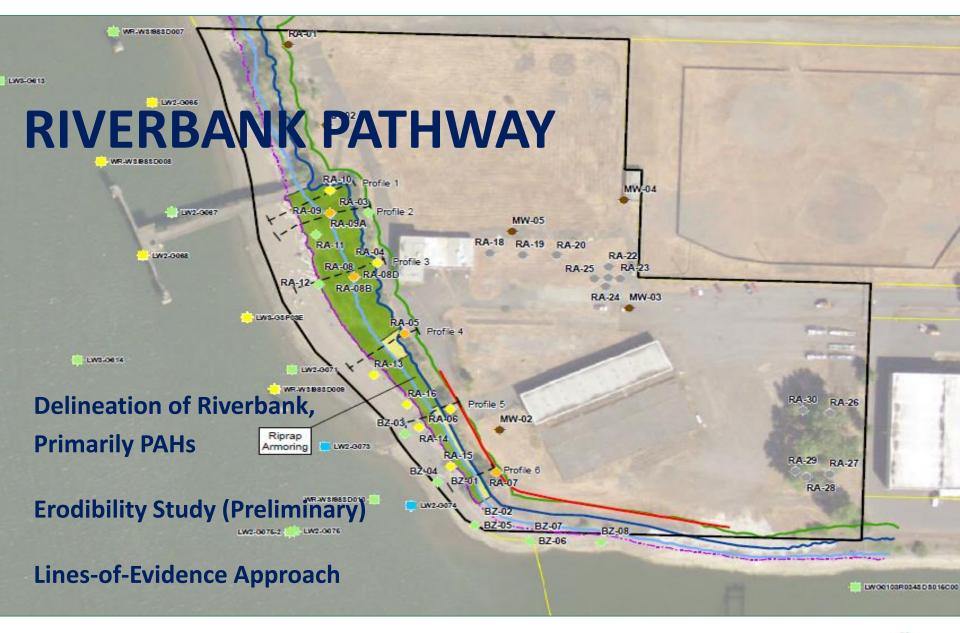


"Unacceptable levels" include harm to ecological-human health and/or potential for recontamination of a sediment action area















Legend

Recovery Well

Monitoring Well

LNAPL Detected (6/3/15)

Barrier Wall Alignment

Ordinary High Water (20.5 ft)

Top of Bank

Approx. Direction of

Groundwater Flow (August 2012)

Conceptual Oxygenation/

Biobarrier Area

Historic LNAPL Extent (Approx.)

Historical Structures

(Source: Treadwell & Rollo, 2014)

Property Boundary

Parcels

LNAPL: Light Non-Aqueous Phase Liquid ND: Not Detected

Monitoring occured on 6/3/2015, except for wells MW-26 and MW-27 which were sampled on

Elevation data given in NAVD88

Aerial Imagery: City of Portland, flown 7/7/2012

Figure 2 GW SCM Layout Performance Monitoring Plan Southern PEO Site Portland, Oregon

1001 SW 5th St, Suite 1010 Portland, Oregon 97204









Conceptual Oxygenation/Biobarrier Area

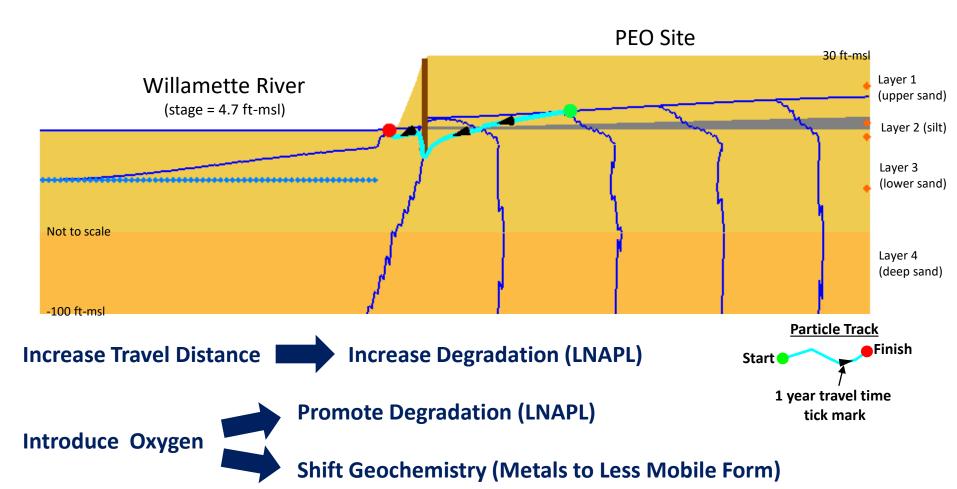
Figure 3 Proposed Performance Monitoring Network Layout Performance Monitoring Plan Southern PEO Site Portland, Oregon







GROUNDWATER SOURCE CONTROL



Engineering Control & Monitored Natural Recovery



