Halaco Superfund Site Update
October 24, 2013

Halaco and Ormond Beach, circa 1972

Initial Halaco Site Work

2006-2007.
Stabilization Effort

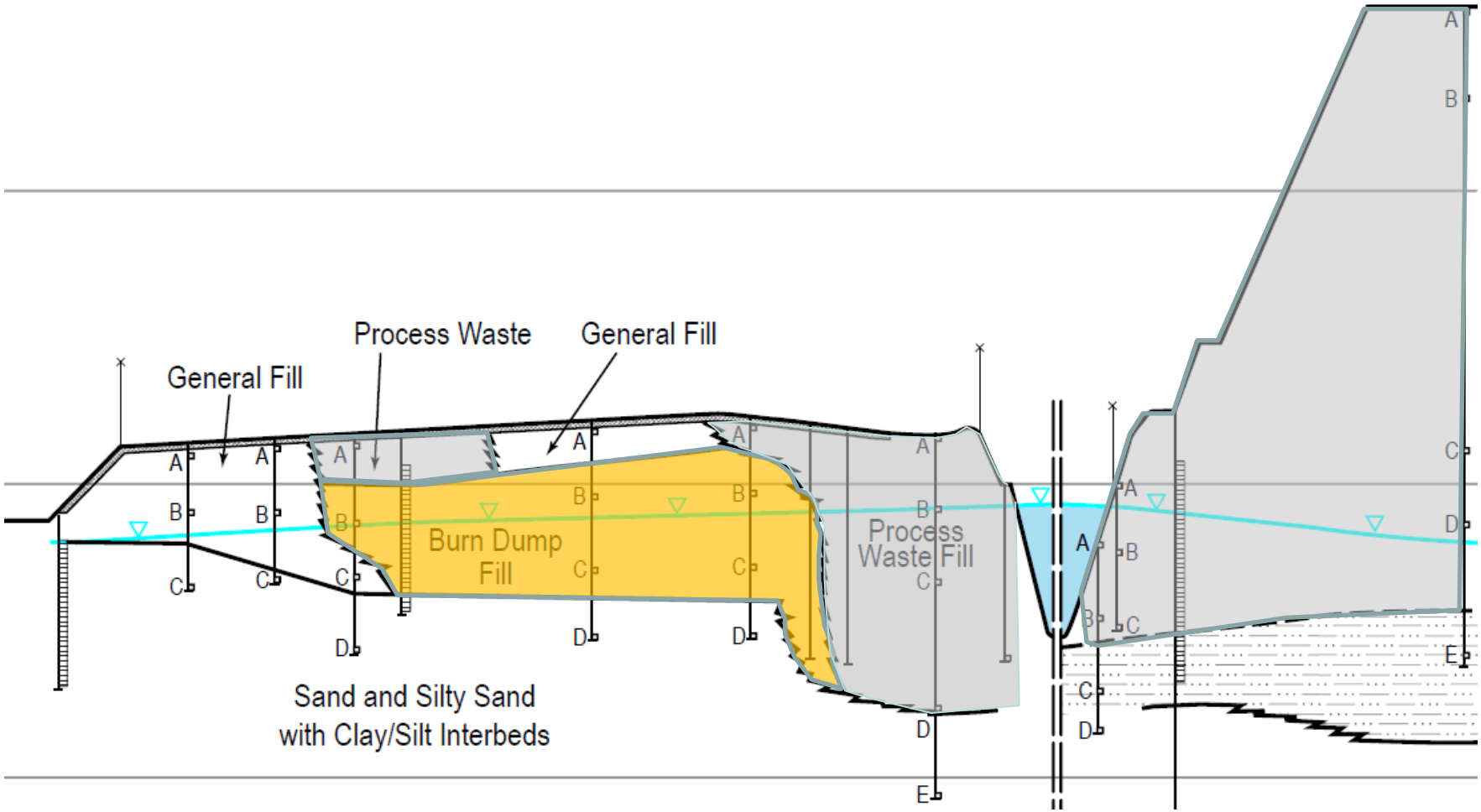
2010.
Building Demolition

2009-2013.
Waste, Water, Soil, Fish Testing

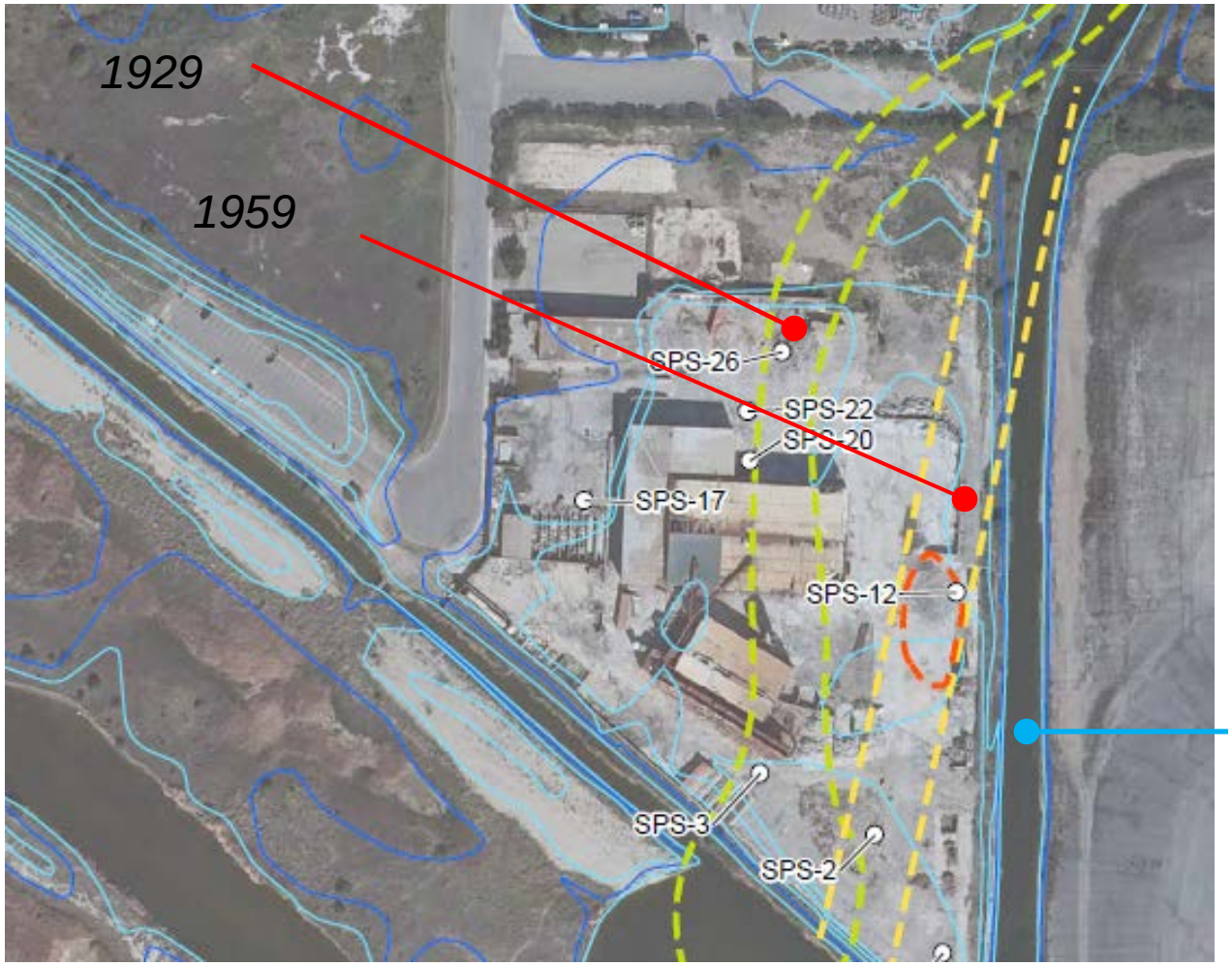
Approximate Area of Shallow Soil and Sediment Contamination - Halaco Site

Halaco Properties

Halaco Properties - Buried Wastes



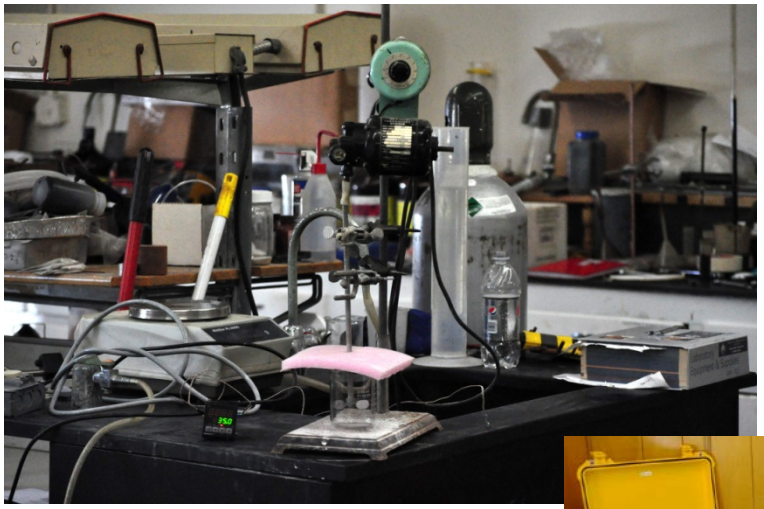
Old OID Channels Were Filled With Wastes

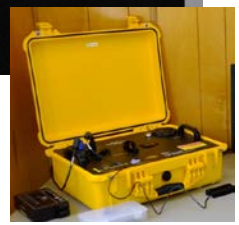


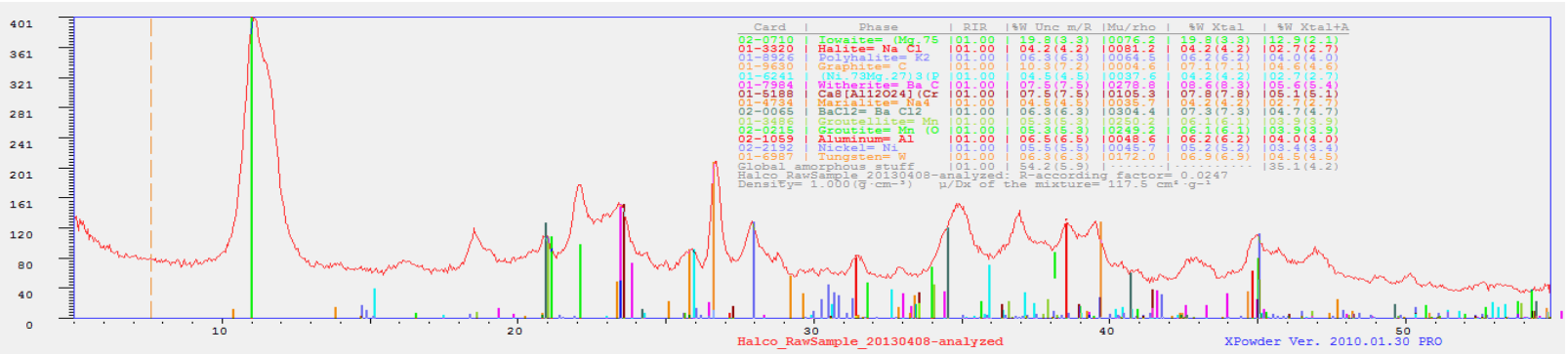
Current OID channel

Getting to Cleanup – Halaco Properties

- Evaluating potential to use waste to manufacture cement
- Completed specialized tests in 2012-13
- Looking for out-of-state cement kiln







TNC, OID, Lagoon – Affected Areas

Getting to Cleanup – TNC, OID, Lagoon

- Expect ecological risk to drive cleanup
- Completed testing to evaluate uptake and bioaccumulation
- Working to develop cleanup goals that balance risks, habitat damage, cost

Extent of Groundwater Contamination

Depth of Groundwater Contamination

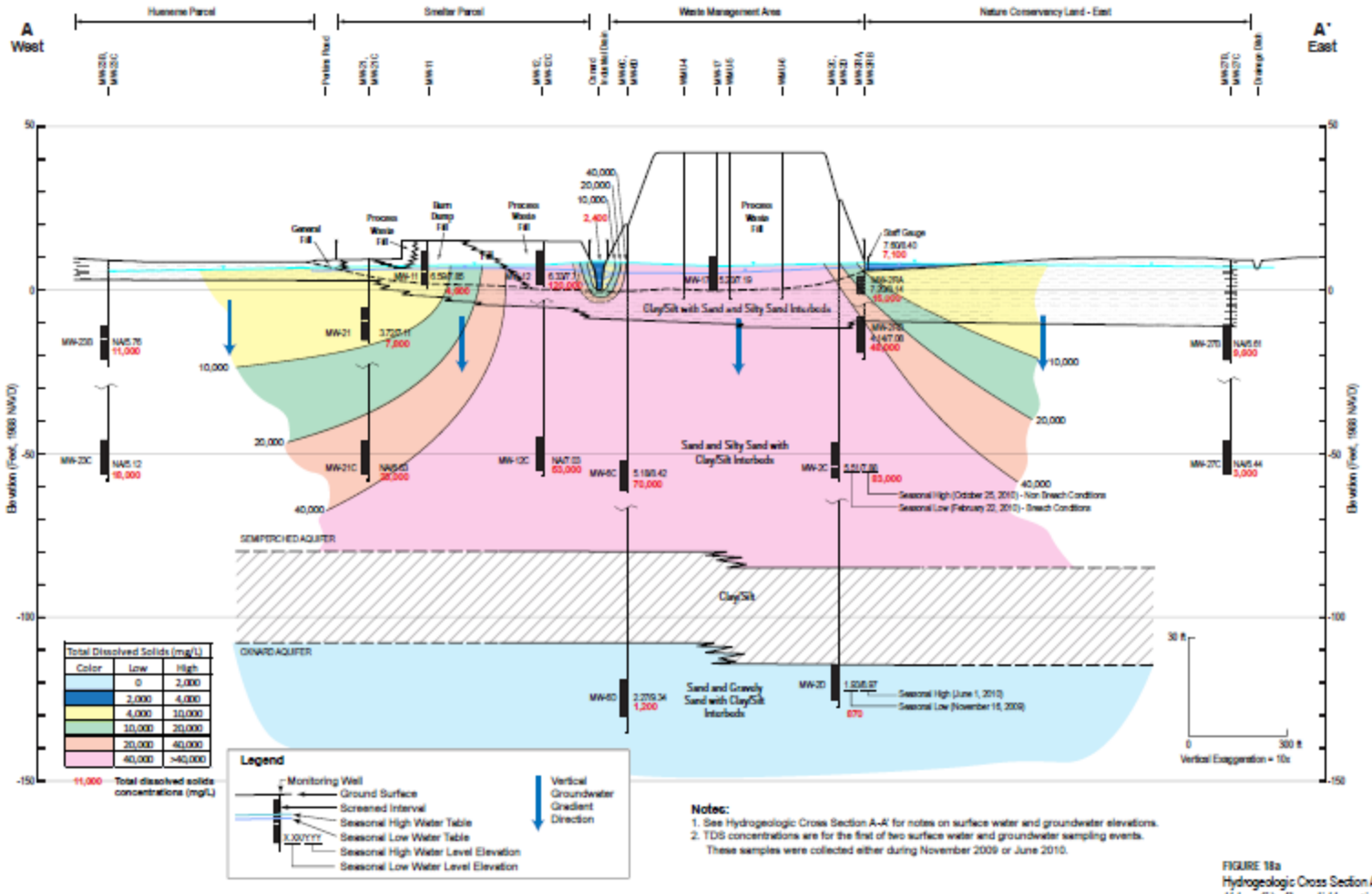
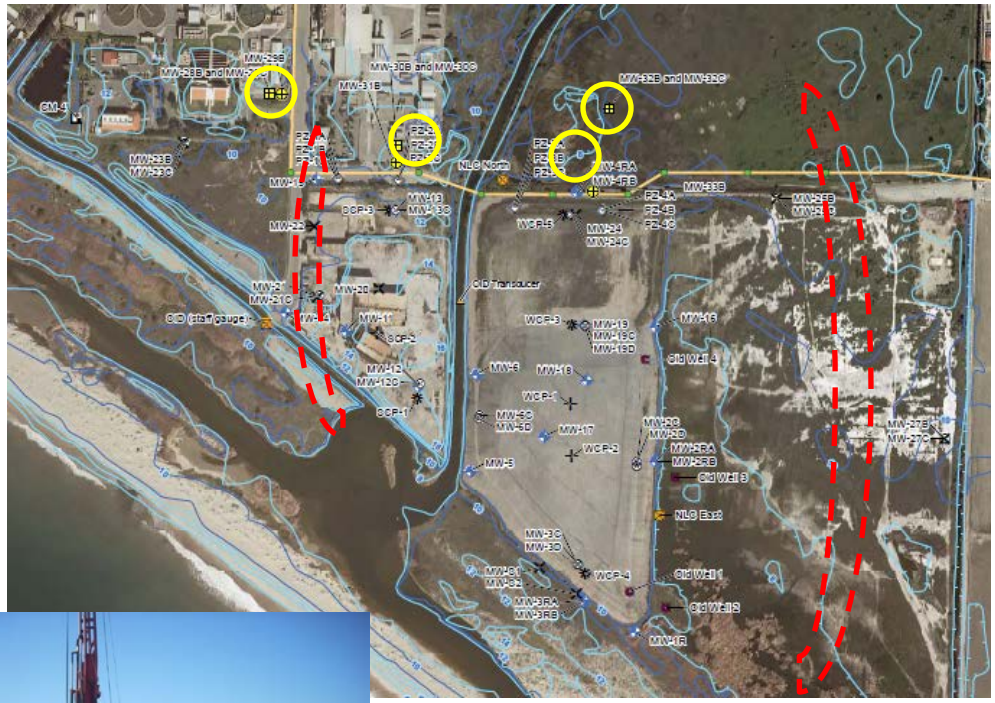


FIGURE 18a
Hydrogeologic Cross Section A-A' with TDS
Halaco Site Remedial Investigation
Oxnard, California
CH2MHILL

Getting to cleanup – Groundwater

- Installed 6 more groundwater wells in Sept
- Working to determine groundwater cleanup goals



Next Steps

- Continue evaluation of waste use
- Develop “ecorisk”-based cleanup levels
- Complete groundwater testing and determine appropriate groundwater cleanup goals
- Develop cleanup proposals

Questions?

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