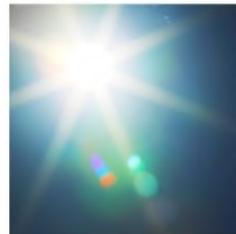


# Robinson Terminal North update to Alexandria Ad-Hoc Construction Monitoring Group

October 1, 2018

Alexander Wardle

Petroleum Program





# DEQ's Petroleum Program Approach

- Protect current human or environmental receptors at significant risk
- Remove oil on groundwater to the maximum extent practicable
- Reduce oil on property to amounts that are safe, and allow natural attenuation.



# Initial Investigation

- Submitted August 2017
- High resolution site characterization
- Fourteen monitoring wells

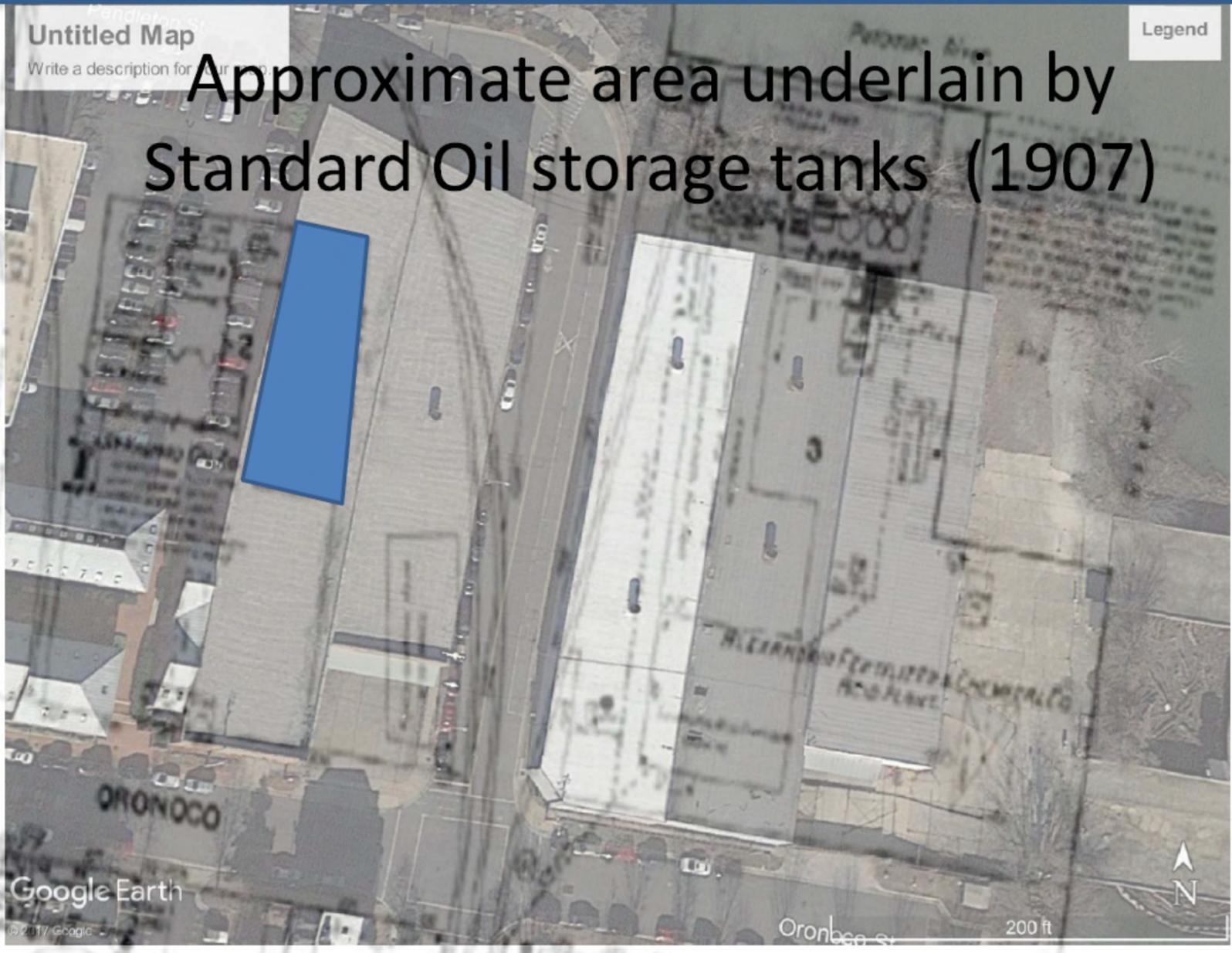


Untitled Map

Write a description for this map

Legend

# Approximate area underlain by Standard Oil storage tanks (1907)



Google Earth

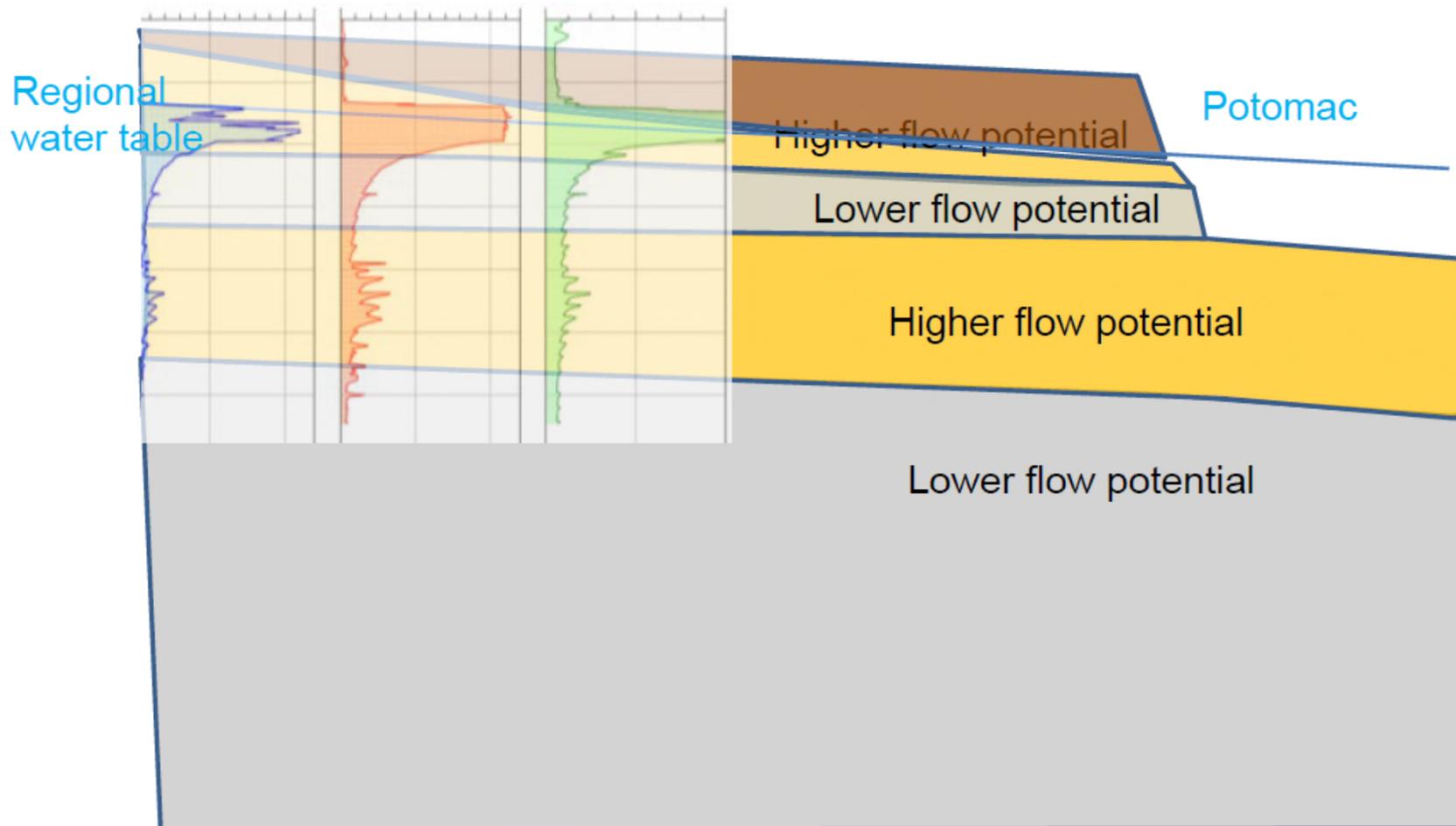
© 2017 Google

Oronoco St

200 ft

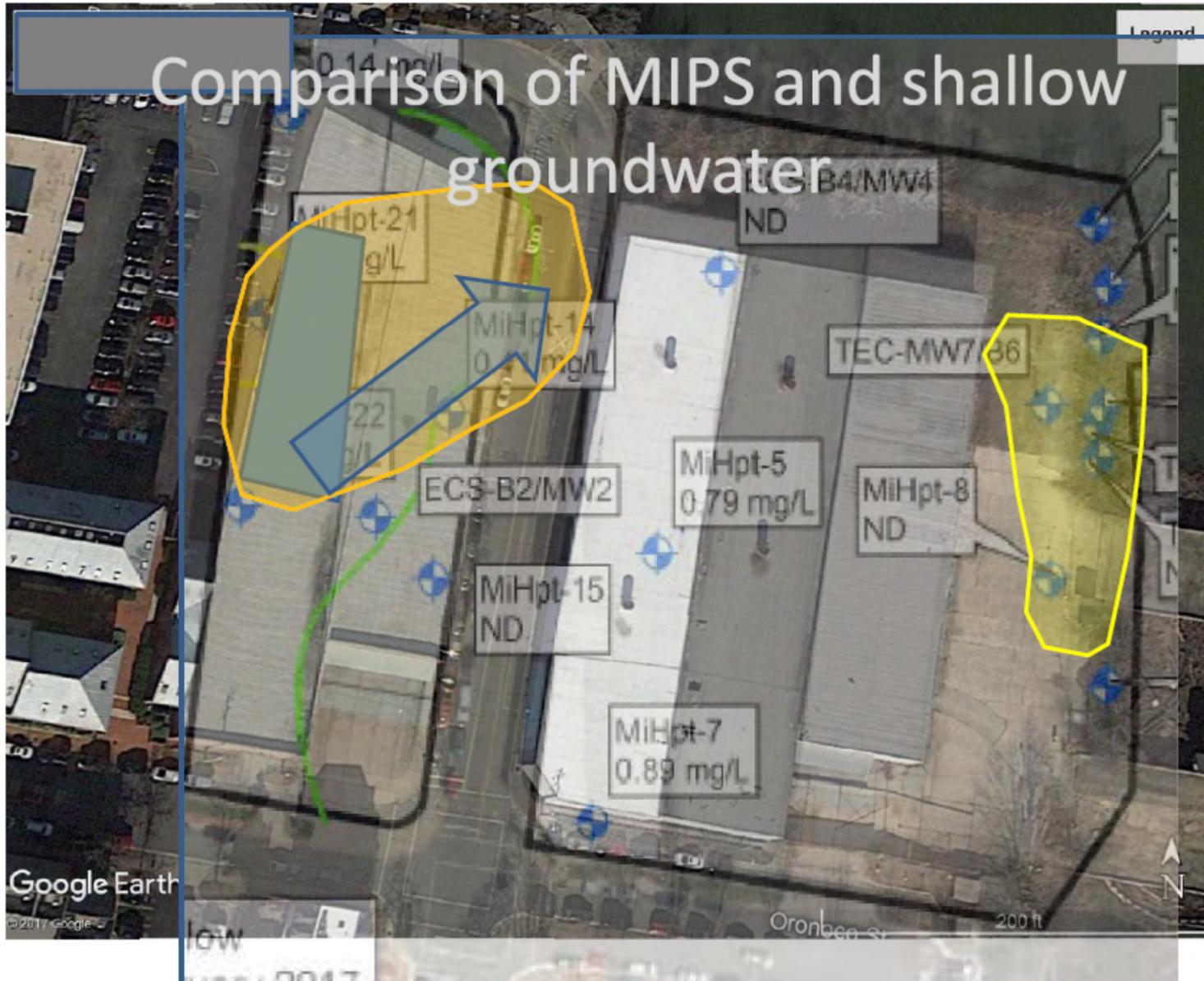


# Sketch “cross section”





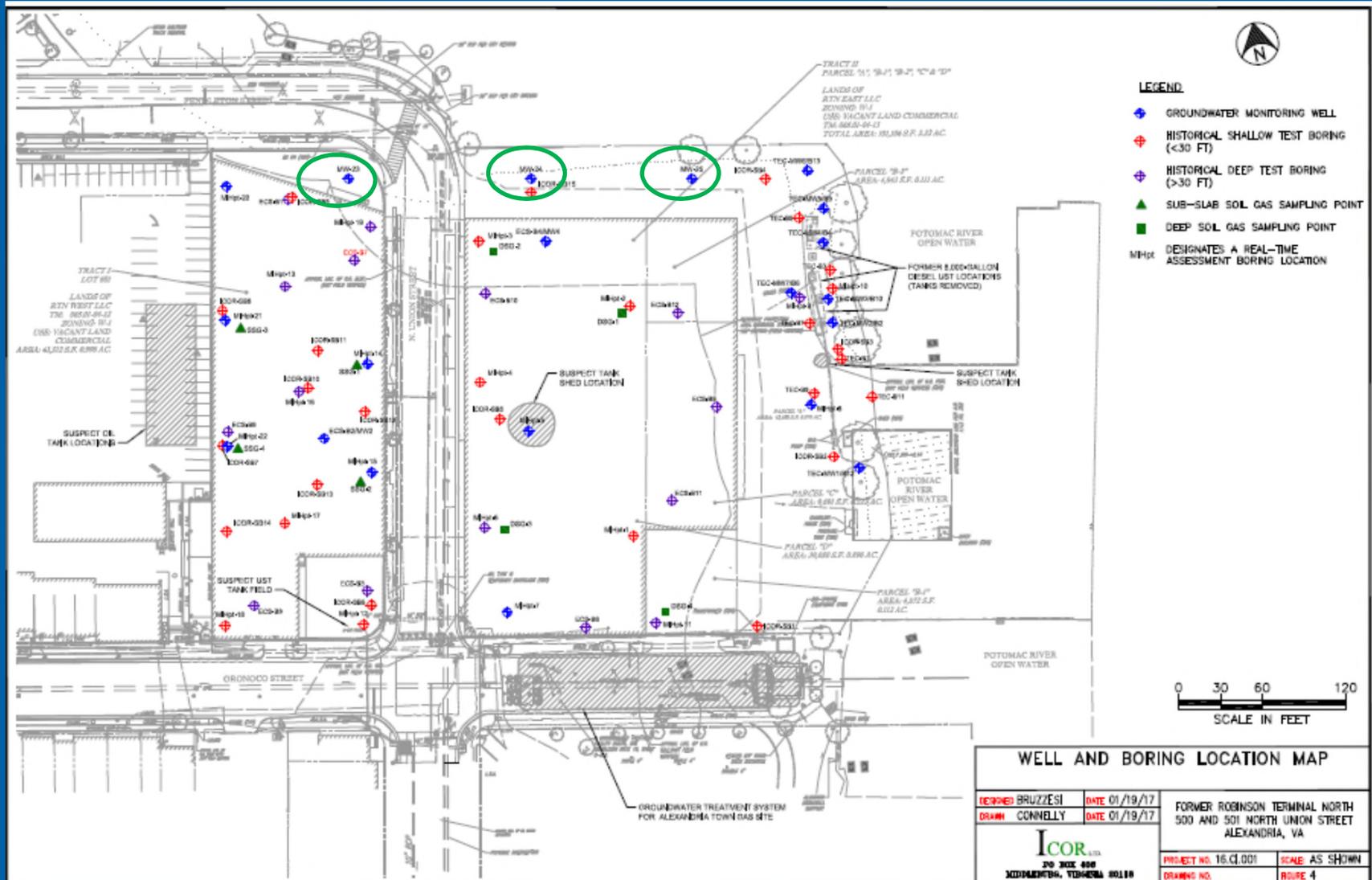
# Comparison of MIPS and shallow groundwater





# DEQ required additional monitoring

- Three additional monitoring wells
- Two monitoring events: January 2018 and June 2018
- Seventeen monitoring wells sampled







# Petroleum Corrective Action Plan

- Due November 9, 2018
- Required to:
- Control risks of discharges of petroleum contaminants to surface water during and after development
- Abate risks to future use (i.e vapor migration to indoor air in new construction)



# Corrective Action Plan comments

- Comment period 30 days after CAP public notice
- Written comments considered
- DEQ will provide written response to comments



# Questions?

- Email [alexander.wardle@deq.virginia.gov](mailto:alexander.wardle@deq.virginia.gov)
- Phone 703-583-3822
- Write with comments to:
  - Alex Wardle
  - Northern Regional Office Petroleum Program
  - Department of Environmental Quality
  - 13901 Crown Court Woodbridge VA 22193