MINNESOTA POLLUTION CONTROL AGENCY

3M Grant - Project 1007

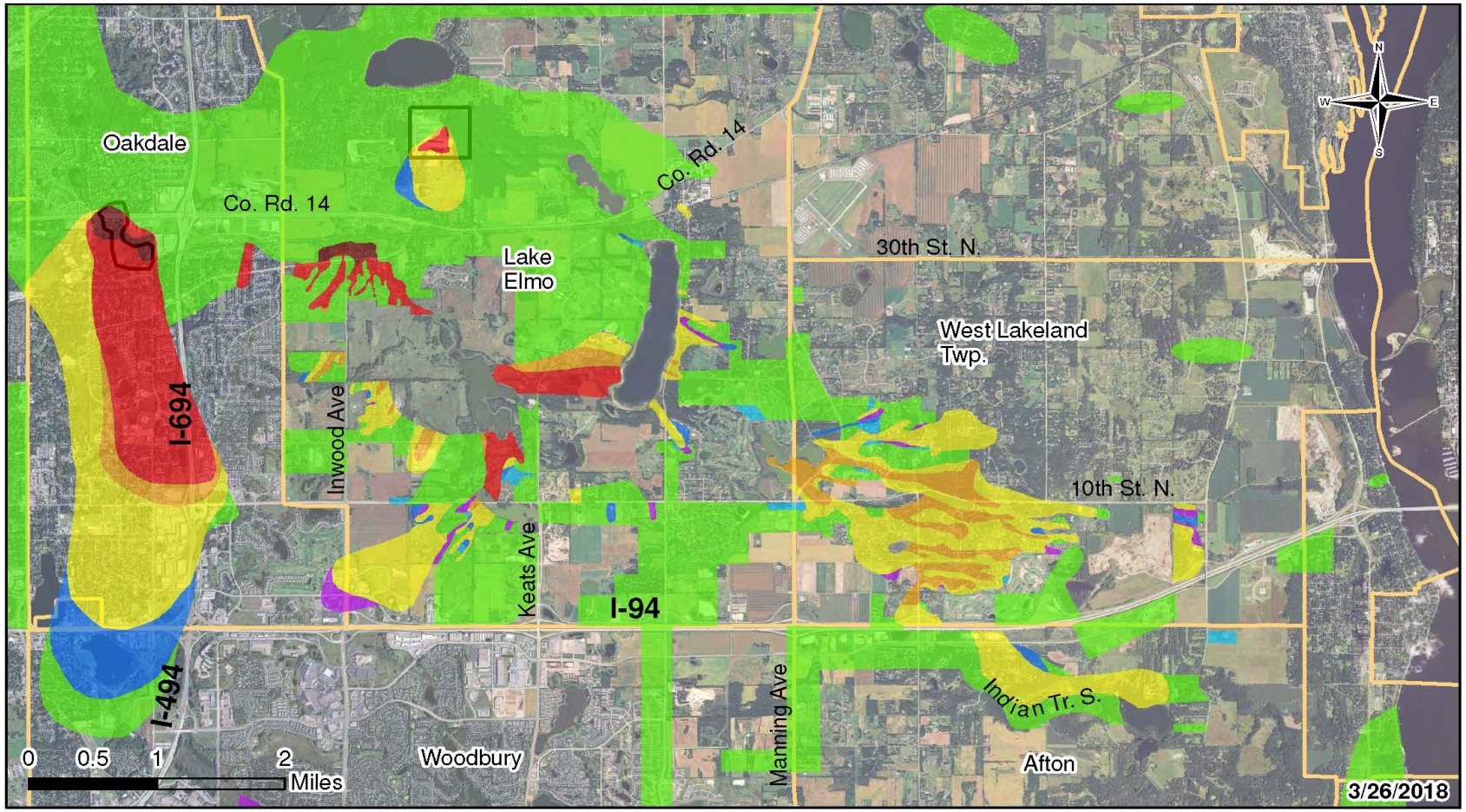
Gary L Krueger, MPCA

October 15-16, 2019

NRDA Settlement Language

- Under Part II. Paragraph 14 A; *"The MPCA shall conduct a source assessment and feasibility study regarding the role of the Valley Branch Water District's project known as Project 1007 in the conveyance of PFCs in the environment."*
- MPCA has retained AECOM to conduct the study
- Coordinated efforts with Valley Branch and MDH

PFAS in Surface Water – Important Transport Pathway



DEPARTMENT OF HEALTH

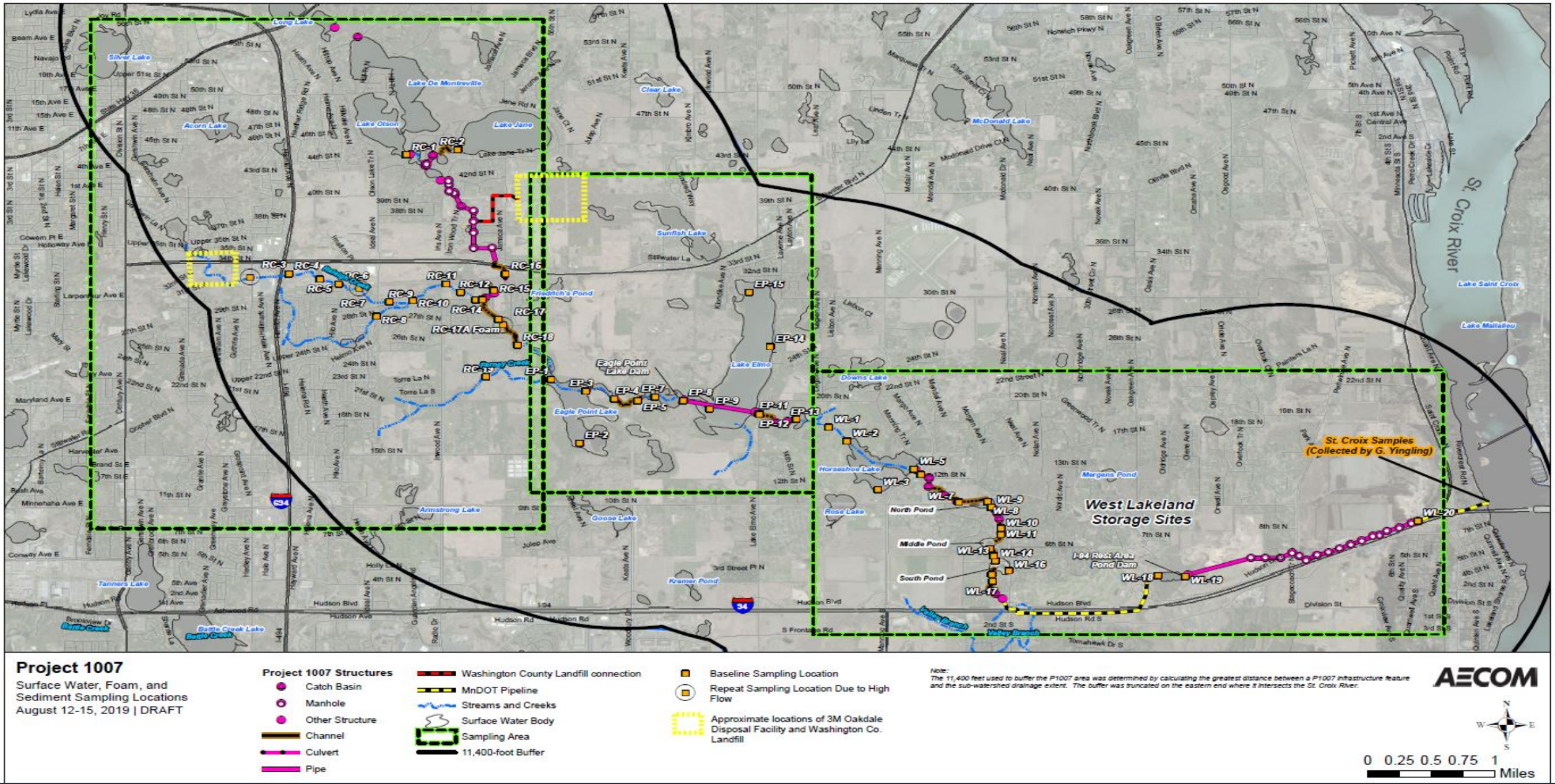
PFOS - All Aquifers

Phone: 651-201-4897
or 1-800-657-3908

- PFOS greater than 1.35ppb (>50x HBV)
- PFOS 0.271-1.35ppb (10-50x HBV)
- PFOS 0.136-0.27ppb (5-10x HBV)
- PFOS 0.028-0.135ppb (1-5x HBV)
- PFOS 0.021-0.027ppb (75-100% HBV)
- PFOS 0.0136-0.02ppb (50-75% HBV)
- PFOS 0.004-0.0135ppb (<50% HBV)
- PFOS not detected

MDH Health Based Value (HBV) for PFOS is 0.027 parts per billion (ppb; or 27 parts per trillion)

NOTES: Map combines data from all aquifers, actual concentrations in any area may vary; blank spaces indicate no sample data



Project 1007 Overview Map

Source Assessment Investigation Progress

- **Baseline Sampling Event – August 2019**
  - ~150 surface water and sediment samples were collected
  - Results expected by end of October
- **Beta Sampling Event – Planned November/December 2019**
  - Beta Sampling Event will include multi-level and nested wells to assess near-surface and deeper aquifer conditions within the PDC and Jordan
  - MGS is partnering in scoping the Beta phase work
- **Focused Site Investigations based on Baseline and Beta sampling events – Spring/Summer 2020**
- **Combined Beta and Baseline sampling events to provide a comprehensive Conceptual Site Model of the Project 1007 area**

Thank you!

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