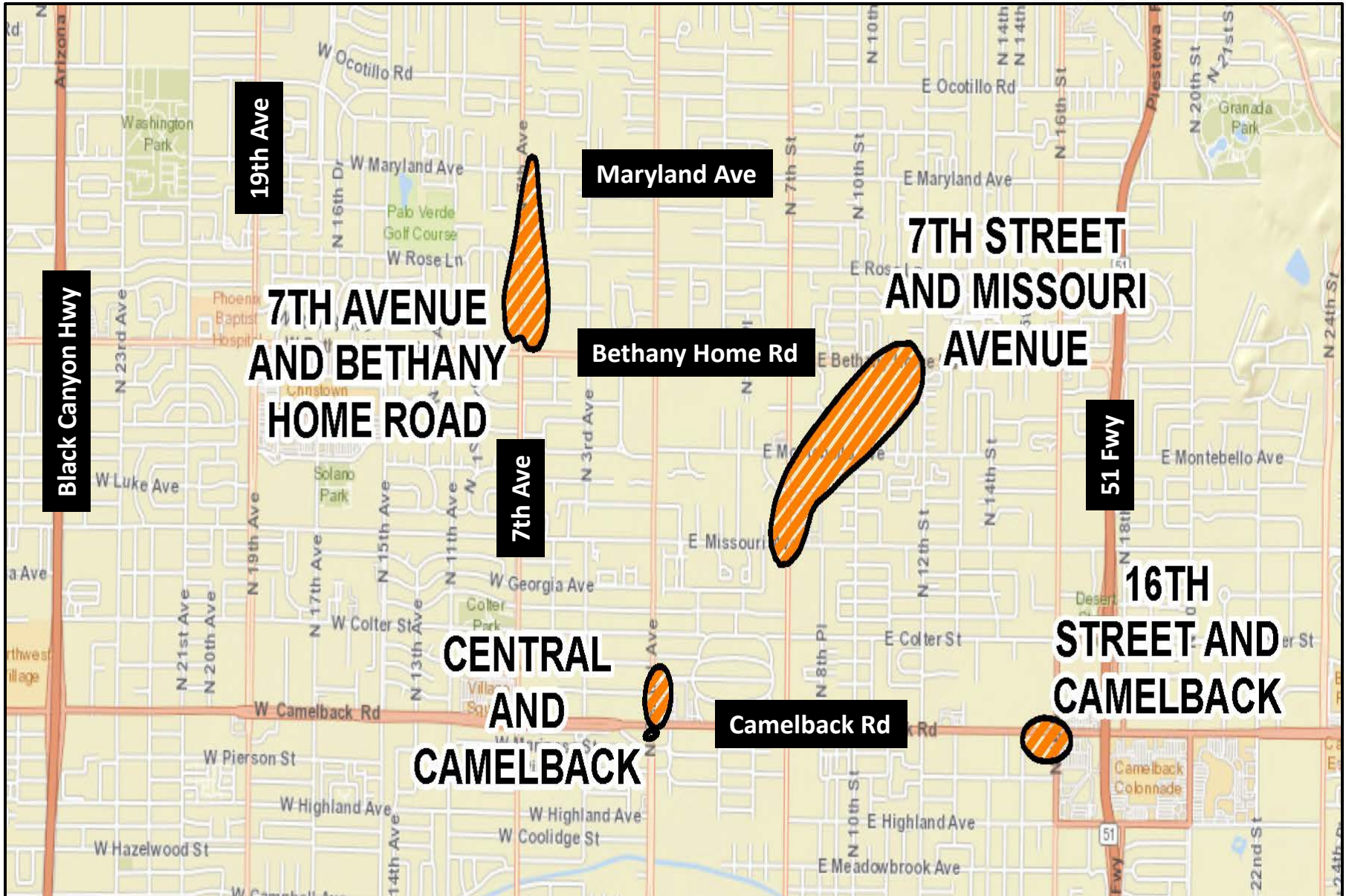


16th Street and Camelback
Water Quality Assurance Revolving Fund (WQARF)
Site
Community Advisory Board (CAB) Presentation

June 11, 2020

Mary McGillicuddy, Community Involvement Coordinator
Eric Mannlein, Project Manager

Central Phoenix WQARF Sites



- Completed two rounds of enhanced reductive de-chlorination (ERD) injections in January and April 2019 as a contingency per the Record of Decision (ROD).
- Conducted groundwater sampling in April and October 2019.
- Conducted groundwater sampling in March 2020; groundwater monitoring report completion in process.

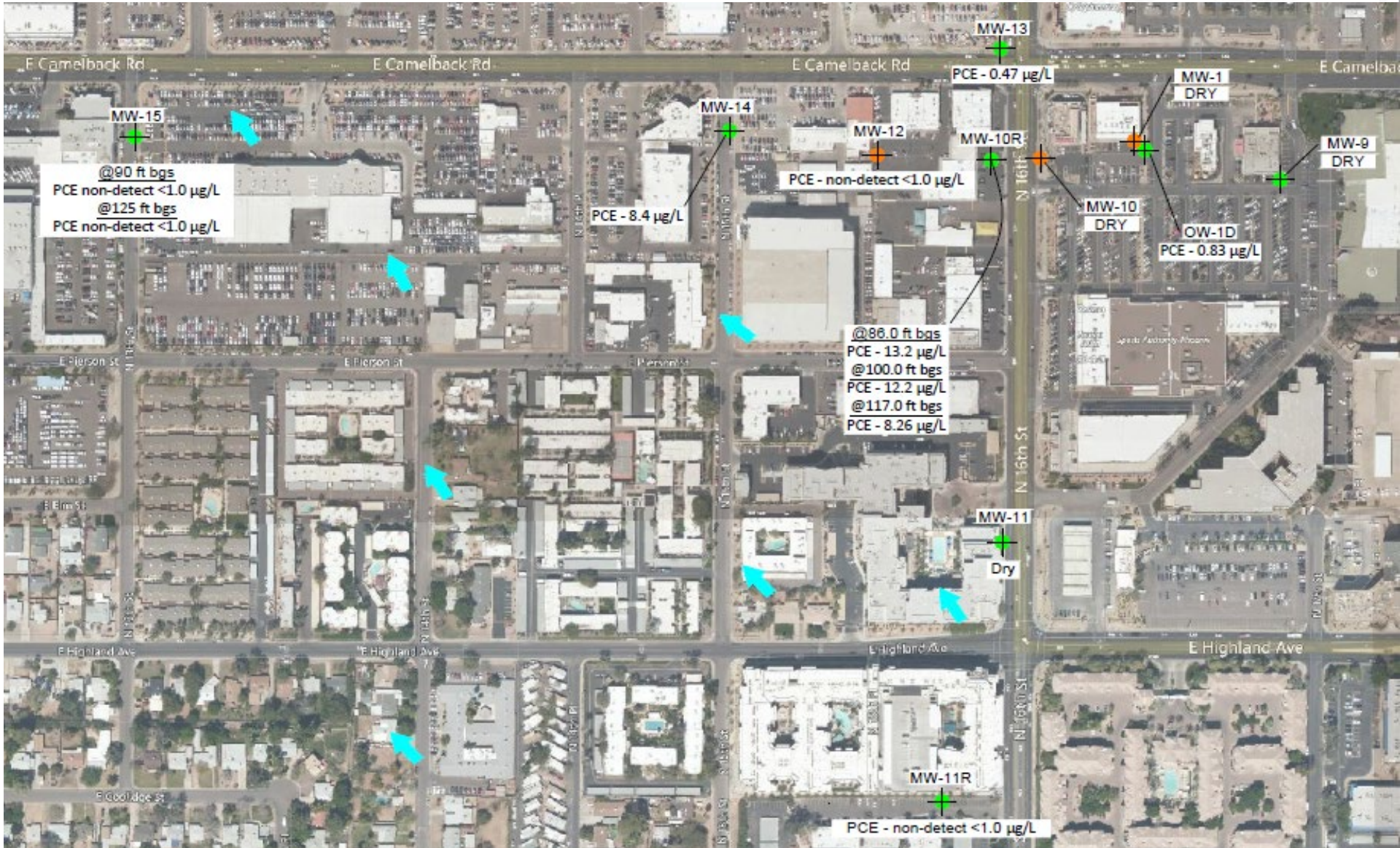
Historical Contaminant Data

- Tetrachlorethylene (PCE) is currently the only contaminant of concern detected in groundwater at the site at concentrations greater than the Aquifer Water Quality Standard (AWQS) of 5 micrograms per liter (ug/L).

Contaminant	December 1999	August 2007	April 2014	February 2015	April 2016	May 2017	October 2017	June 2018
PCE	160 ug/l	20 ug/l	11.4 ug/l	25.2 ug/l	16 ug/l	7.0 ug/l	6.4 ug/l	4.1 ug/l
1,2-DCA	400 ug/l	<2.0 ug/l	0.62 ug/l	<0.5 ug/l	<0.5 ug/l	<0.5 ug/l	<2.0 ug/l	<2.0 ug/l
1,2-DCP	15 ug/l	<2.0 ug/l	<0.5 ug/l	<0.5 ug/l	<0.5 ug/l	<0.5 ug/l	<2.0 ug/l	<2.0 ug/l

- Currently, the only two groundwater monitoring wells that have PCE concentrations detected above the AWQS are MW-14 and MW-10R
- PCE in MW-14 was detected at 8.4 ug/L
- PCE in MW-10R was detected in depth discrete samples at 13.2 ug/L (86 feet bgs), 12.2 ug/L (100 feet bgs), and 8.26 ug/L (117 feet bgs)

PCE and TCE Concentrations – October 2019



MW-15
@90 ft bgs
PCE non-detect <1.0 µg/L
@125 ft bgs
PCE non-detect <1.0 µg/L

MW-14
PCE - 8.4 µg/L

MW-12
PCE - non-detect <1.0 µg/L

MW-13
PCE - 0.47 µg/L

MW-10R
@86.0 ft bgs
PCE - 13.2 µg/L
@100.0 ft bgs
PCE - 12.2 µg/L
@117.0 ft bgs
PCE - 8.26 µg/L

MW-10
DRY

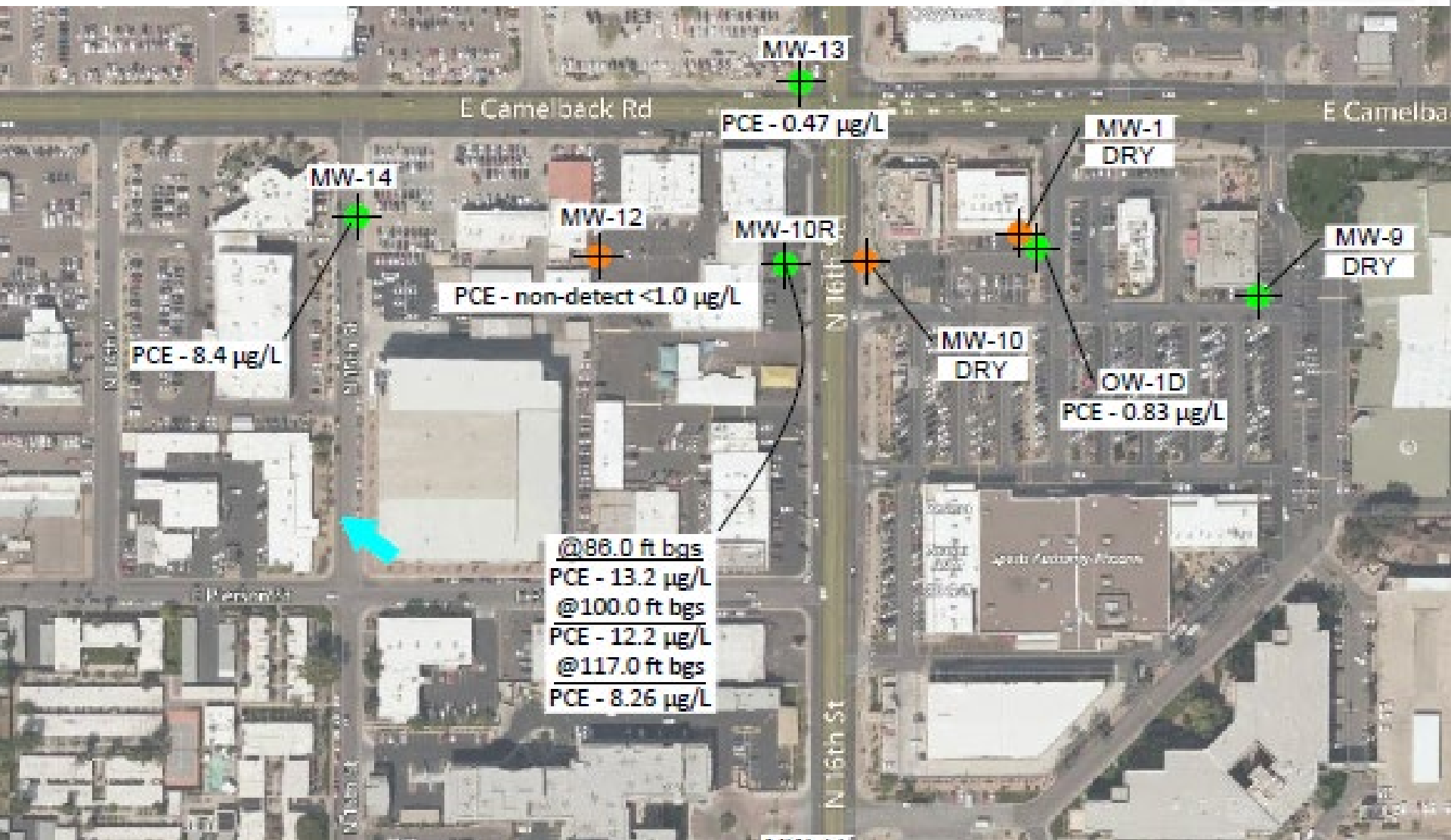
OW-1D
PCE - 0.83 µg/L

MW-9
DRY

MW-11
Dry

MW-11R
PCE - non-detect <1.0 µg/L

PCE and TCE Concentrations – October 2019



- Continue to monitor and sample groundwater.



Contacts

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