Air Force Civil Engineer Center

FORMER
WILLIAMS AIR FORCE BASE

Site ST012

Former Liquid Fuel Storage Area

BCT Update

17 October 2017

ED_005025_00012634-00001

Site ST012 Outline

- Summary of Activities Since September BCT update
- Update on JP-4 degradation based on methane at SVE system
- LNAPL Monitoring/Removal Update

ED_005025_00012634-00002

Site ST012 Activities Since September

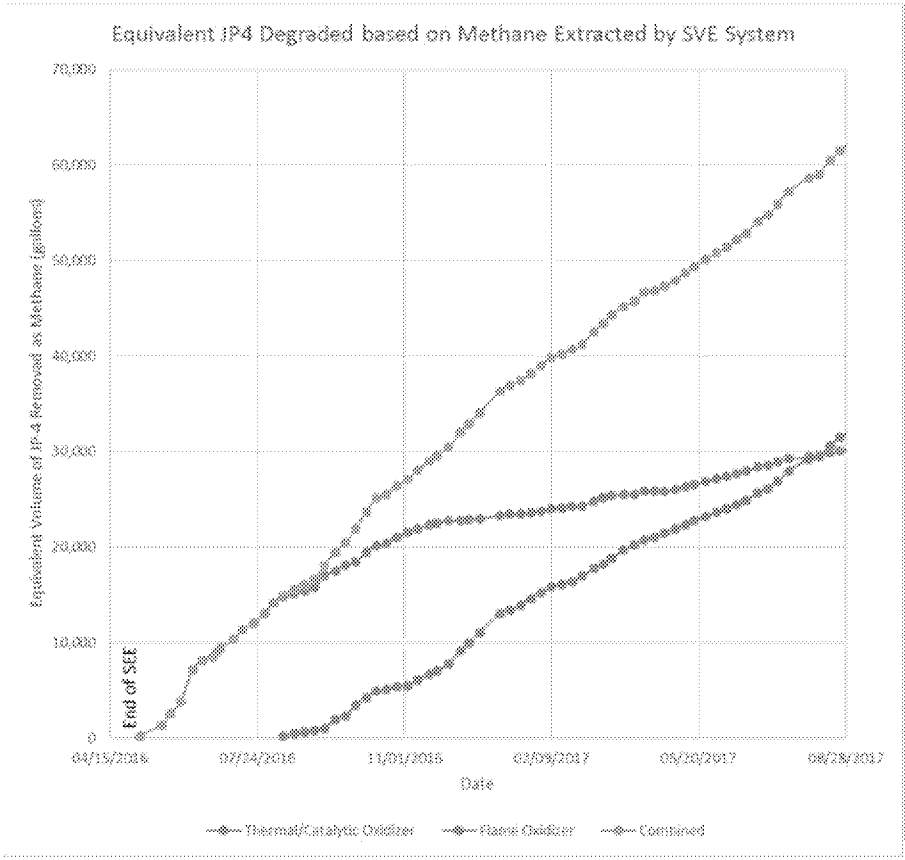
- Continued SVE operation
- Continued LNAPL screening in accessible SEE wells and Phase I characterization wells

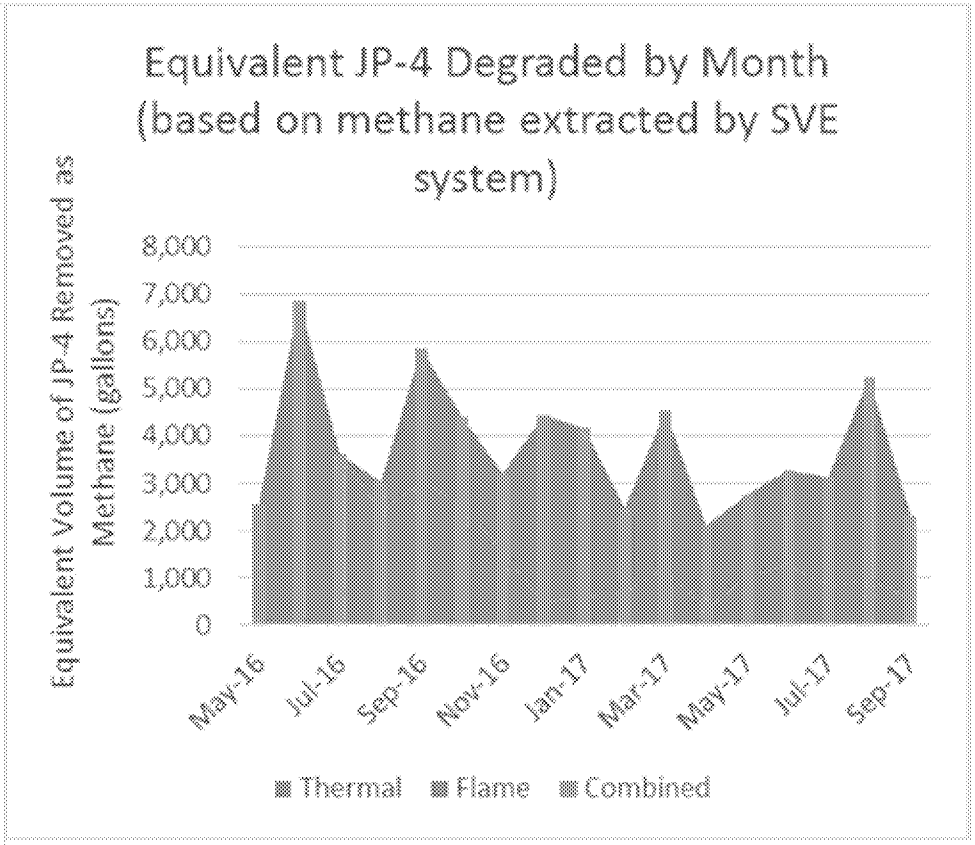
ED_005025_00012634-00003

JP-4 Degradation Based on Methane Removed with SVE (through 5 Oct)

ED_005025_00012634-00004

Site ST012 SVE System Equivalent JP-4 Degradation Based on Methane Removed





Estimated JP-4 degradation as methane is in addition to JP-4 removal reported for SVE

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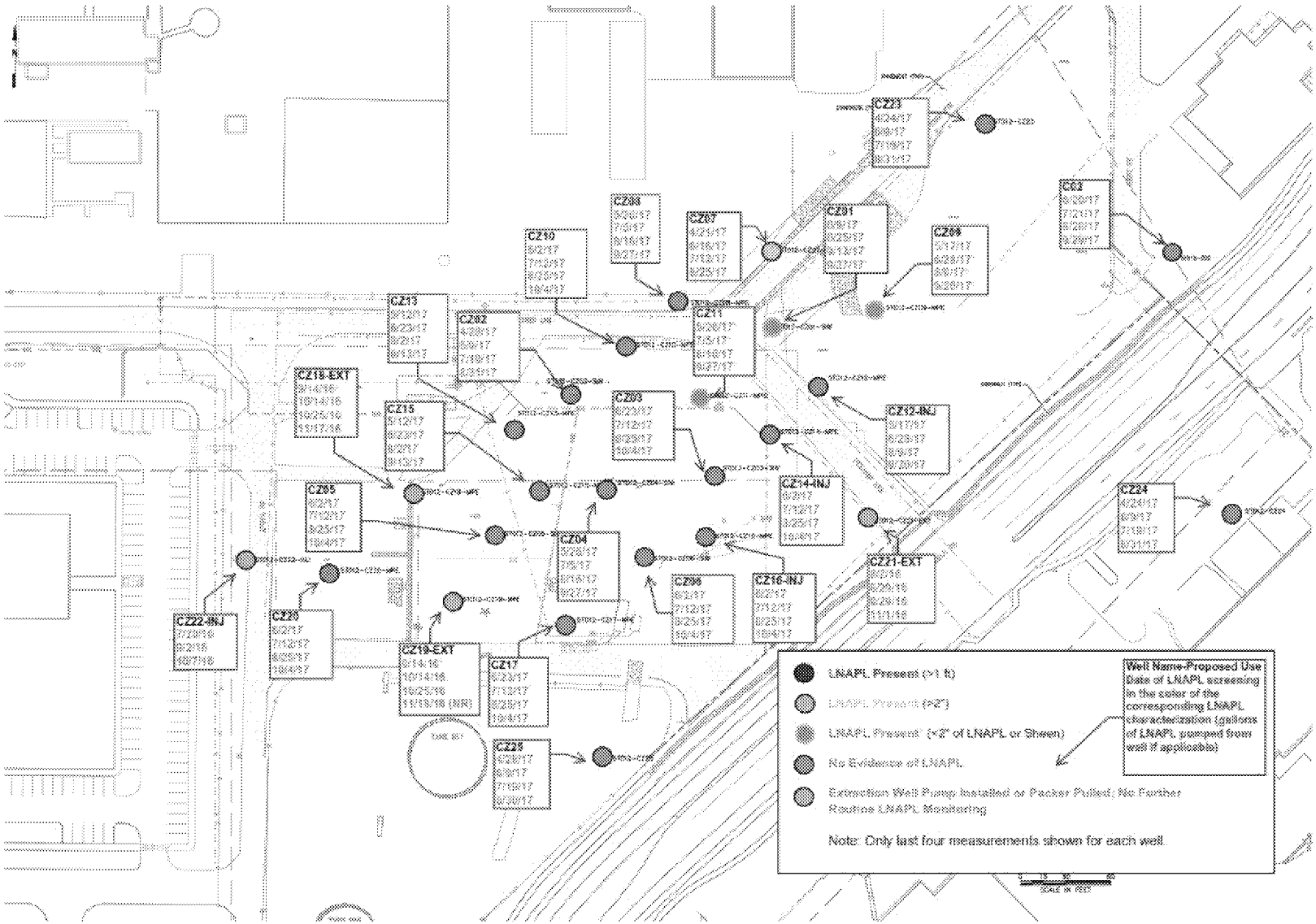
LNAPL Monitoring Update (through 6 Oct)

ED_005025_00012634-00006

LNAPL Monitoring/Removal Status
Cobble Zone



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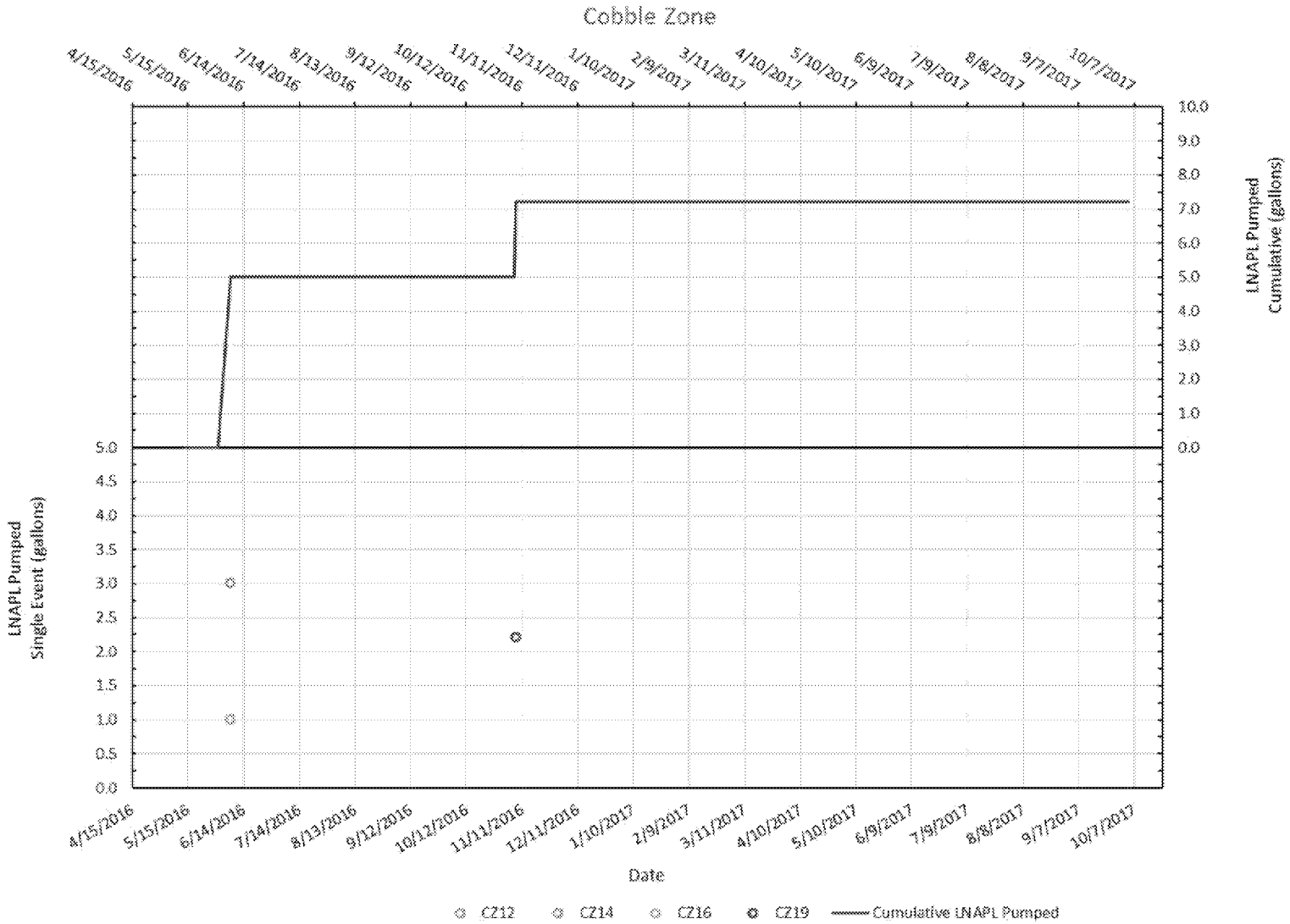
LNAPL Monitoring/Removal Status
Cobble Zone



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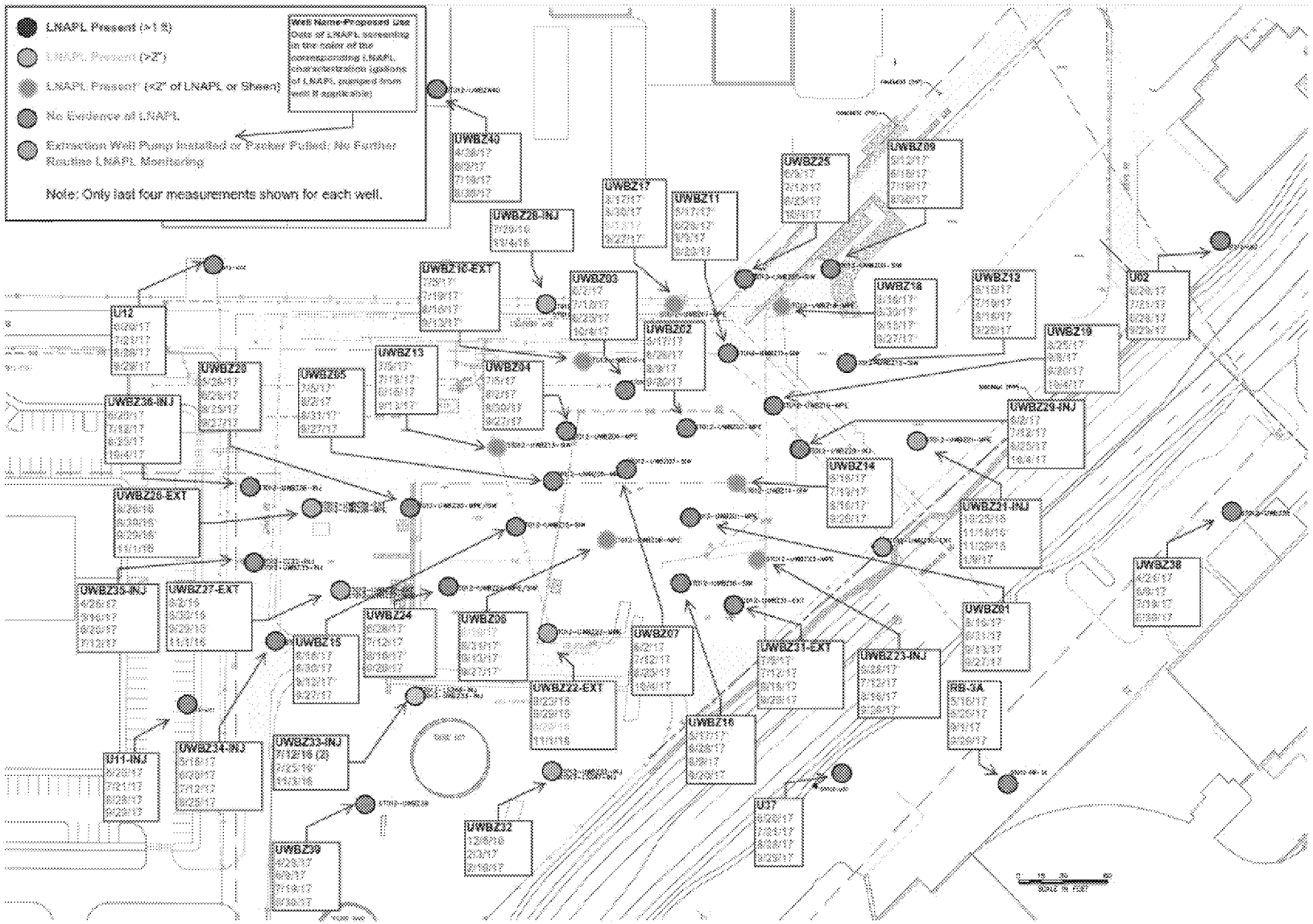
LNAPL Monitoring/Removal Status
Upper Water Bearing Zone



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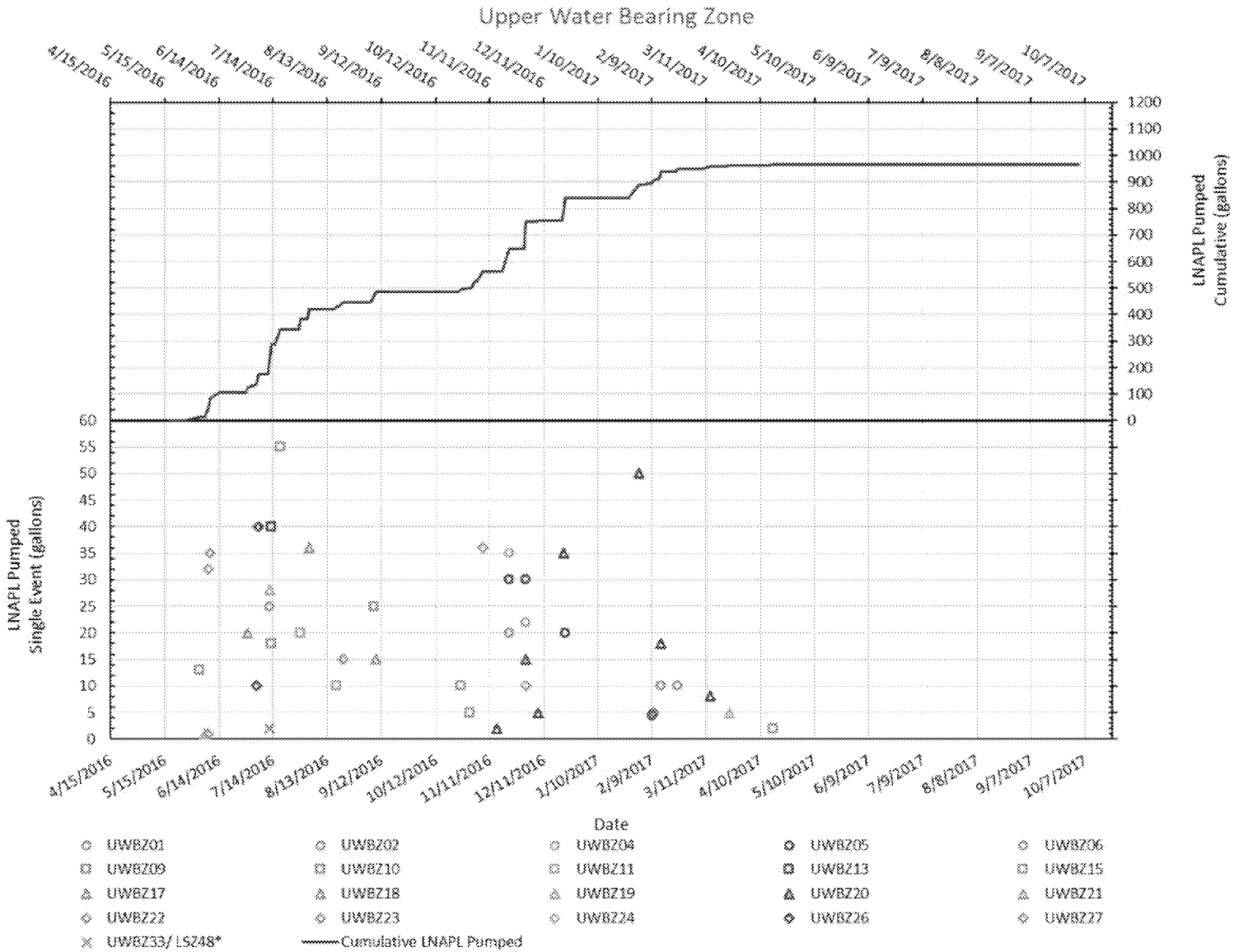
LNAPL Monitoring/Removal Status
Upper Water Bearing Zone



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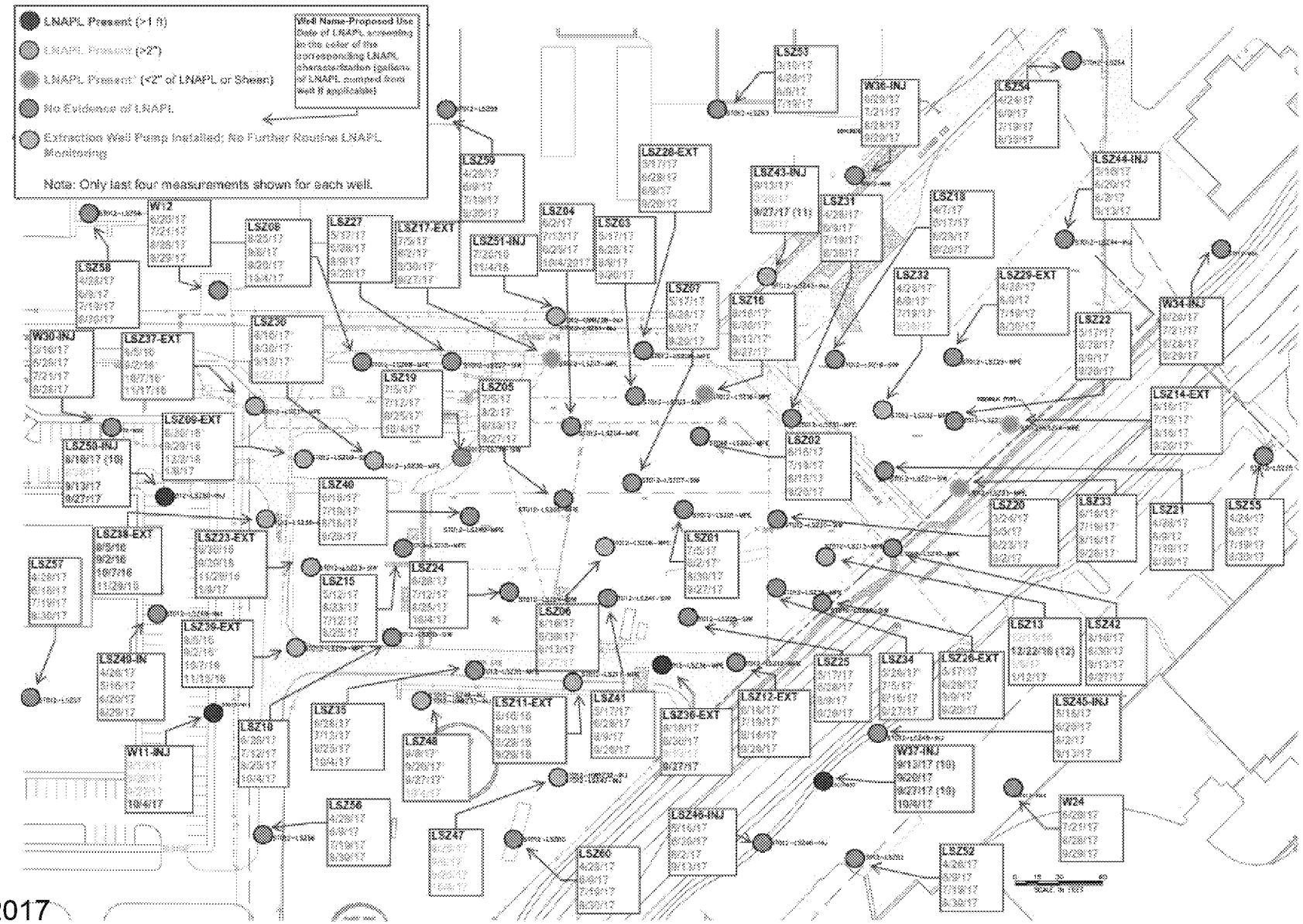
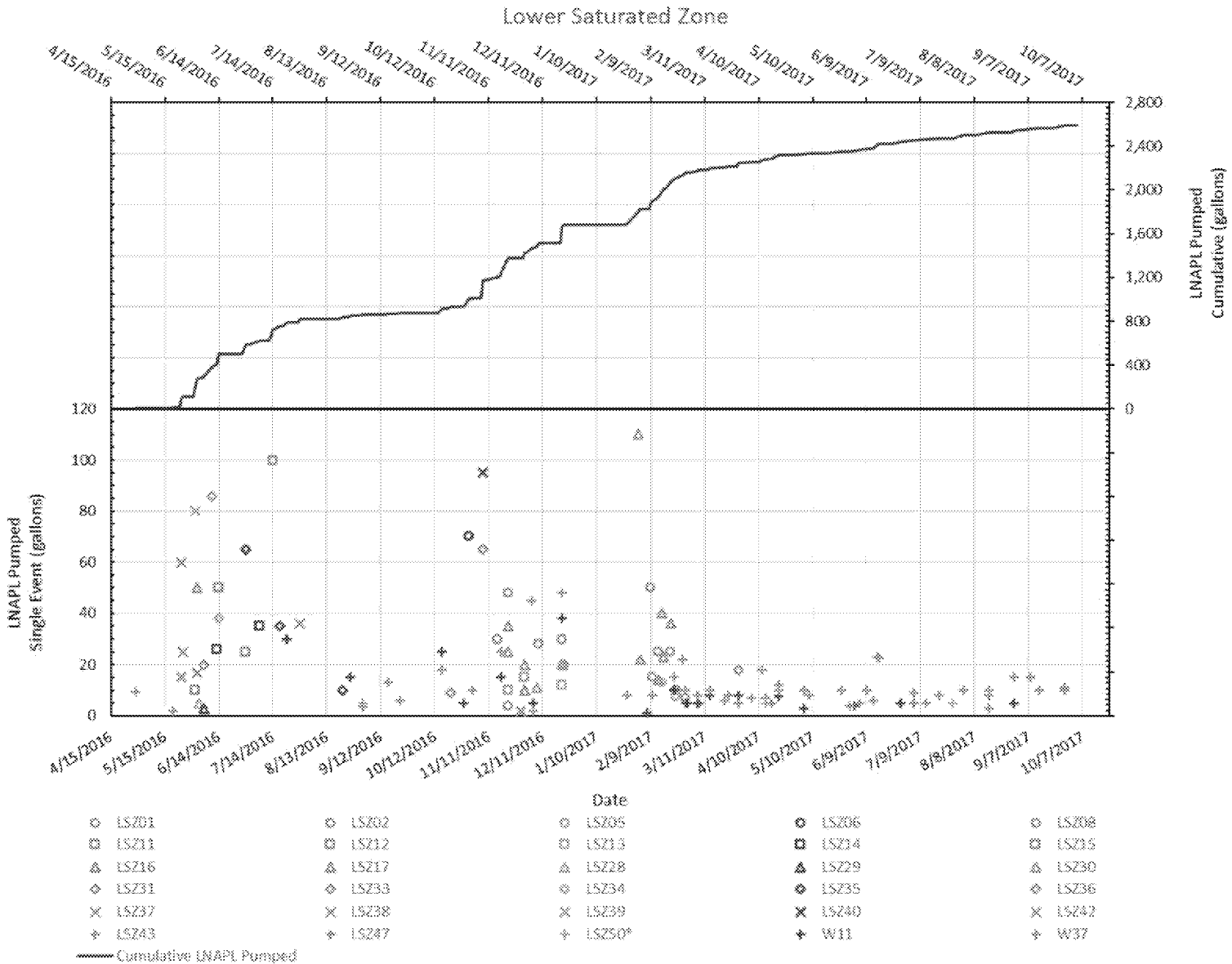
LNAPL Monitoring/Removal Status
Lower Saturated Zone



ED_005025_00012634-00011

LNAPL Monitoring/Removal Status
Lower Saturated Zone



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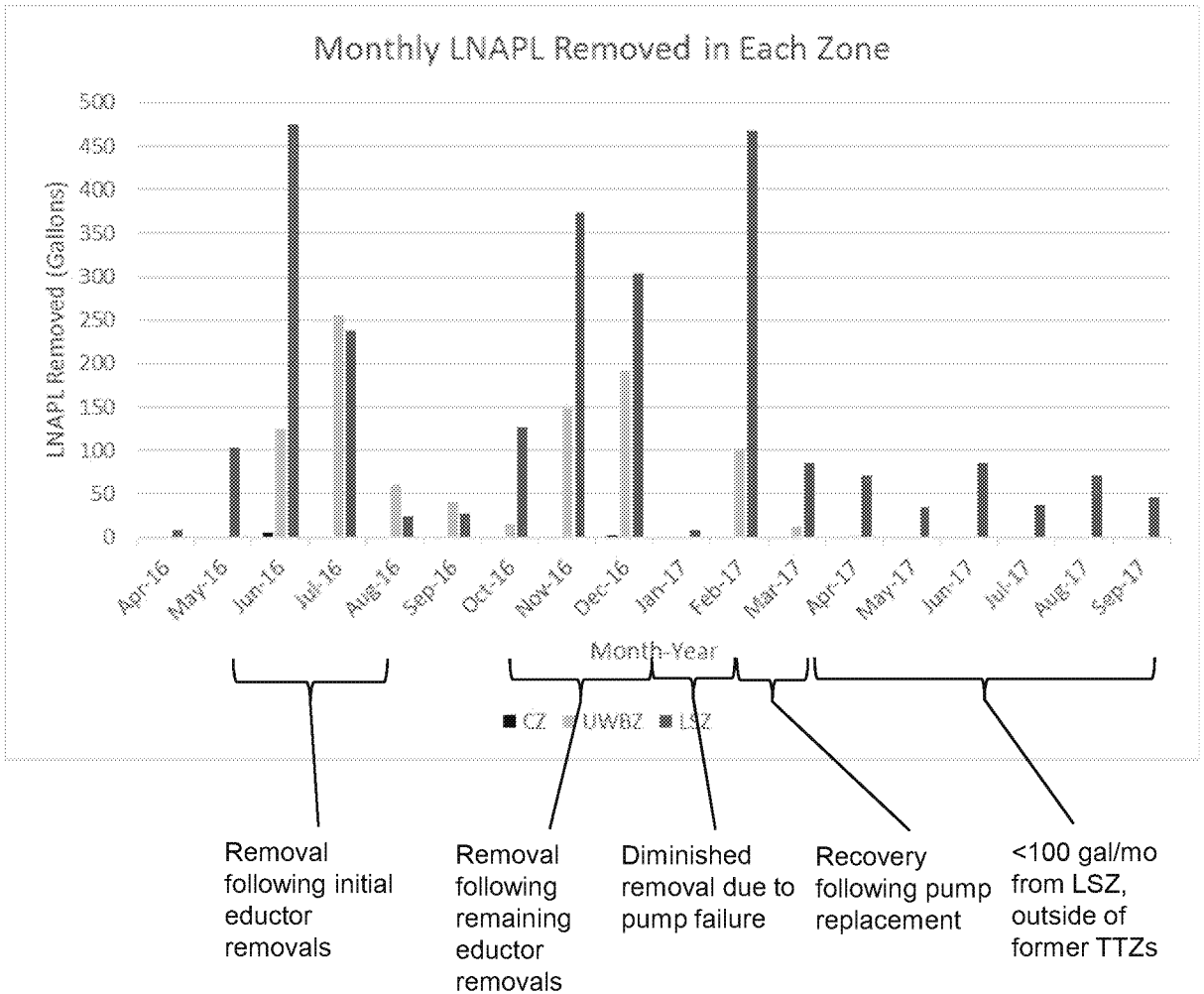
ST012 LNAPL Monitoring/Removal Summary

- CZ – ~7 gallons of LNAPL removed. None since Nov 2016
- UWBZ - ~950 gallons of LNAPL removed. None since Apr 2017.
- LSZ - ~2,600 gallons of LNAPL removed. ~30 gallons removed since Sept 2017 update. All LNAPL removed since Sep 2017 update from wells outside TTZ perimeter (W11,W37, LSZ43).



ED_005025_00012634-00013

Site ST012 Activities Oct-Nov

- Continued SVE operation
- Continued LNAPL screening in accessible SEE wells and Phase I characterization wells
- Perimeter groundwater sampling (late Oct/early Nov)
- Annual groundwater sampling (late Oct/early Nov)

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