



**Legend**

- Extraction Well
- Monitoring Well
- New Staff Gauge and Drive Point
- Piezometer Locations (November 2017)
- Assabet River Stage Elevation Location
- Active Public Water Supply Well
- Wetlands
- Surface Water
- Site Boundary
- Groundwater Elevation Contour in Overburden (ft NGVD) - June 2018
- Estimated Groundwater Elevation Contour in Overburden (ft NGVD) - June 2018
- 1,4-Dioxane Isoconcentration Contour in Overburden (µg/L) June 2018
- Estimated 1,4-Dioxane Isoconcentration Contour in Overburden (µg/L) June 2018
- Groundwater Elevation June 22, 2018 (ft NGVD)
- 1,4-Dioxane Concentration June 25-29, 2018 (µg/L)

**DRAFT**

- Notes:
1. Water levels were collected on June 22, 2018.
  2. The average pumping rate for the 72-hour period prior to the water level round was 317 gpm at municipal well Assabet IA and 154 gpm at municipal well Assabet IIA.
  3. Where multi-level overburden wells exist at a single location, data from the most appropriate well was prioritized in drafting contours. In general, contours represent deeper overburden.
  4. Equipotentials were estimated by kriging the water elevations using Surfer 9. Kriging is a weighted moving average interpolation (extrapolation) method that minimizes the estimated variance of a predicted point (node) with the weighted average of its neighbors. The contours were further adjusted using professional judgement.
  5. Groundwater elevation contours are interpreted and may not represent actual flow directions or gradients.
  6. EW-1 has been pumping at a rate of 20 gpm since June 6, 2017.
  7. 1,4-Dioxane data from groundwater monitoring wells were collected on June 25-29, 2018.
  8. EW-1 sample was collected on May 30, 2018.
  9. NM = Not Measured.

**Groundwater Elevations and 1,4-Dioxane Concentrations in Overburden June 2018**

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**Figure**

**1**

Acton, Massachusetts
August 2018