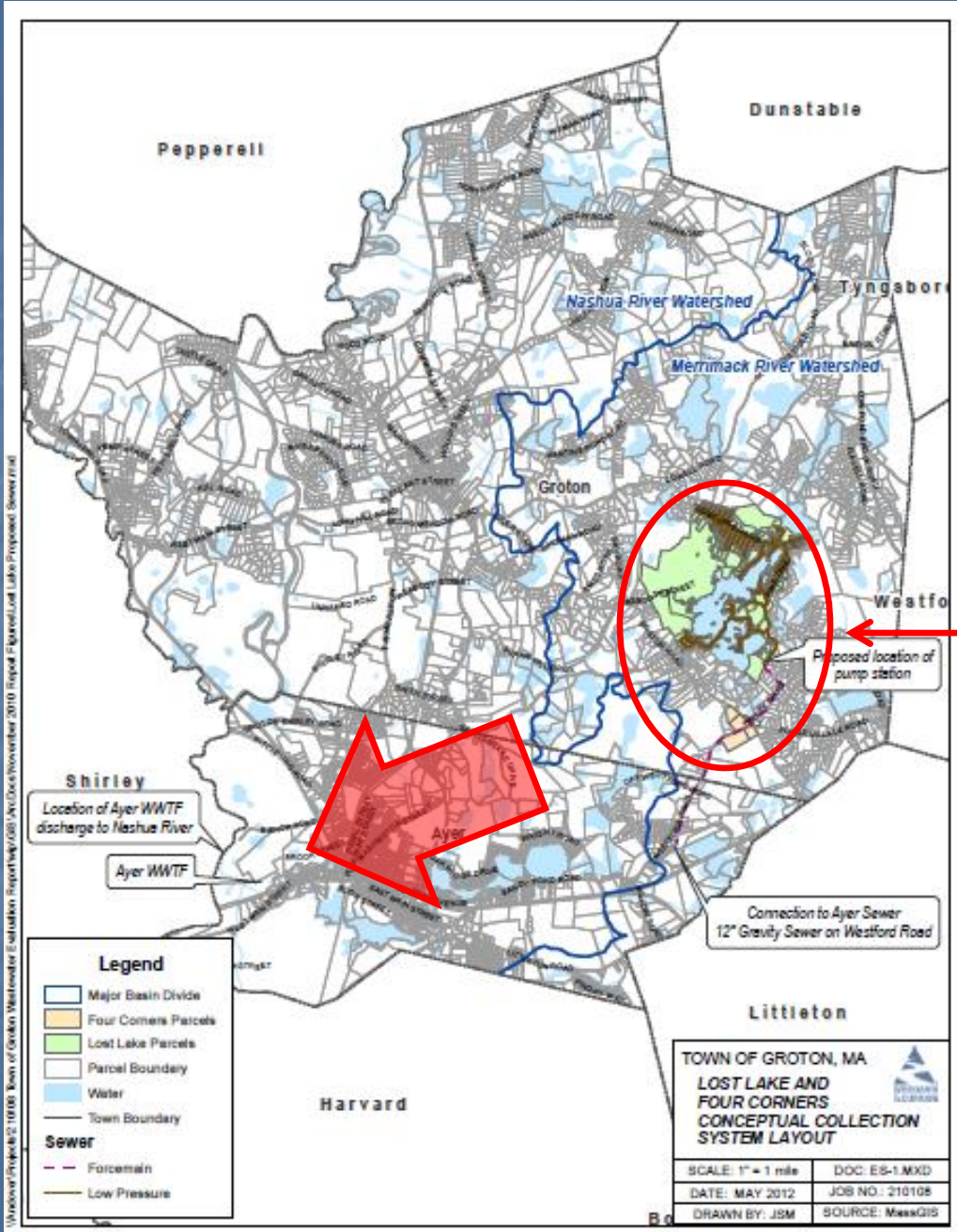


**Groton
Lost Lake Sewering
IBT Insignificance
Vote**

Massachusetts
Water Resources Commission
October 11, 2012



Areas to be
sewered
(green and tan)

Windows Project 6/2/10/08 Town of Groton Wastewater Evaluation Report 6/2/08 ArcDoc/November 2010 Report Figure/Lost Lake Proposed Sewer Plan

Proposed Transfer

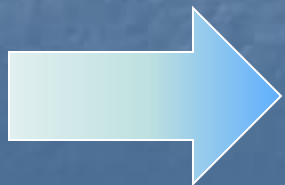
- Sewering around Lost Lake, Groton
- Merrimack Basin to Nashua Basin
- Sewer District connection to Ayer WTP
- 0.363 MGD Max Day, 0.125 MGD Ave Day

Donor Basin/Source Water

- Residential area served by private wells
- Four Corners commercial area served by public water supply wells / Merrimack basin
- Residential and commercial properties use onsite private septic systems for wastewater disposal
- Wastewater will be transferred out of Merrimack Basin/Lost Lake drainage system (donor basin)

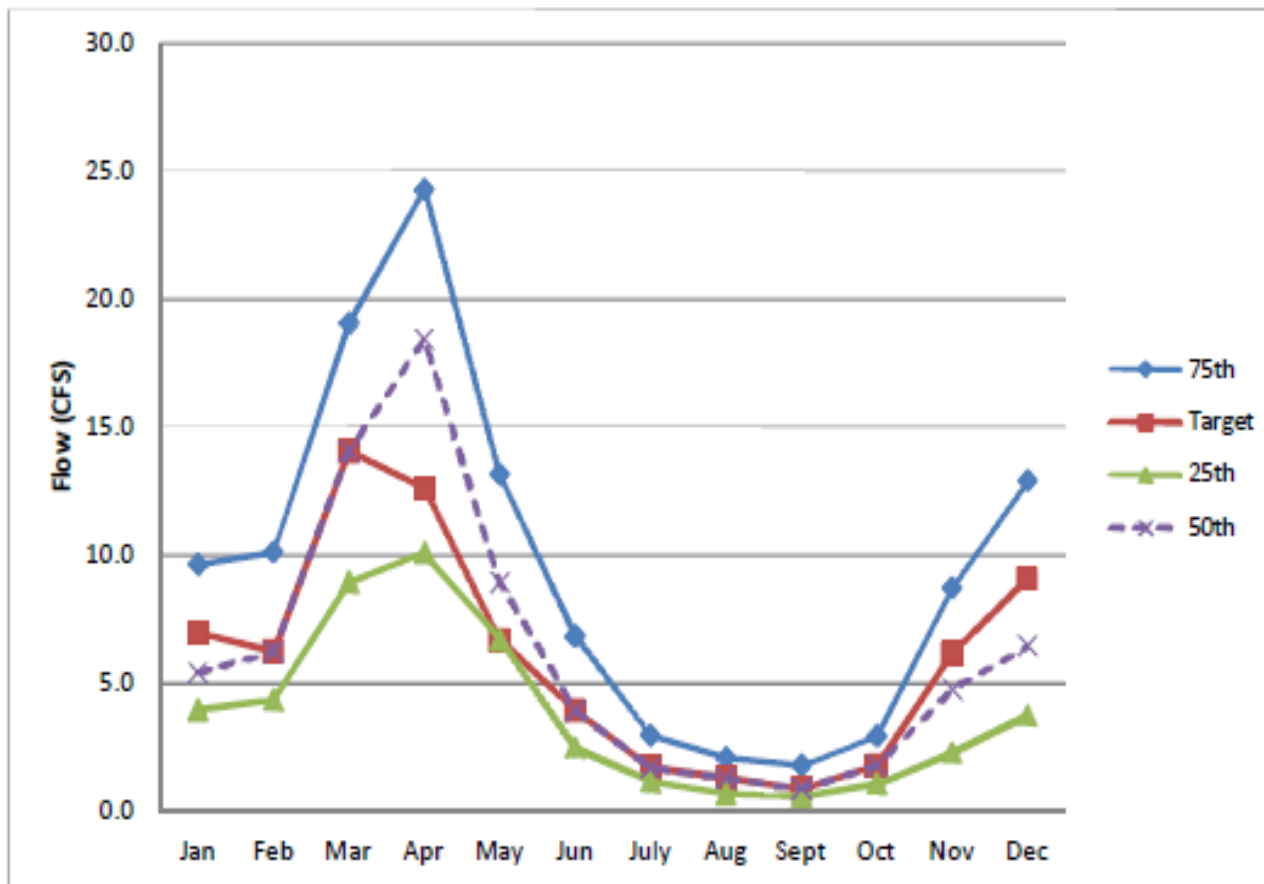
IBT Insignificance criteria

- * “Proposed flow augmentation provisions, flow protection thresholds, or other methods to protect instream flows” mitigate impacts of transfer on donor basin.



Dam Management Plan

Lost Lake, Groton Summary of Release Plan



Lost Lake Dam Management Plan Part of the “Project as Proposed”

- Instream flow mitigation for IBT Act
- Monthly release rates (flows)
- Release mechanism to be installed
- Flow monitoring (pre-and post-sewering)
- Lake level monitoring (pre-and post-sewering)
- Outdoor Water Use Restrictions
- Annual Reporting to WRC

Dam Management Plan

- Provides river flows in natural seasonal range
- Likely increases low flows as no releases currently occur
- * “Proposed flow augmentation provisions, flow protection thresholds, or other methods to protect instream flows” mitigate impacts of transfer on donor basin.

Summary

- ✎ Recommendation for project as proposed for approval under insignificance
- ✎ Improves existing flow conditions
- ✎ Provides for outdoor water restrictions to maintain instream flows
- ✎ (Improves water quality as a side benefit)