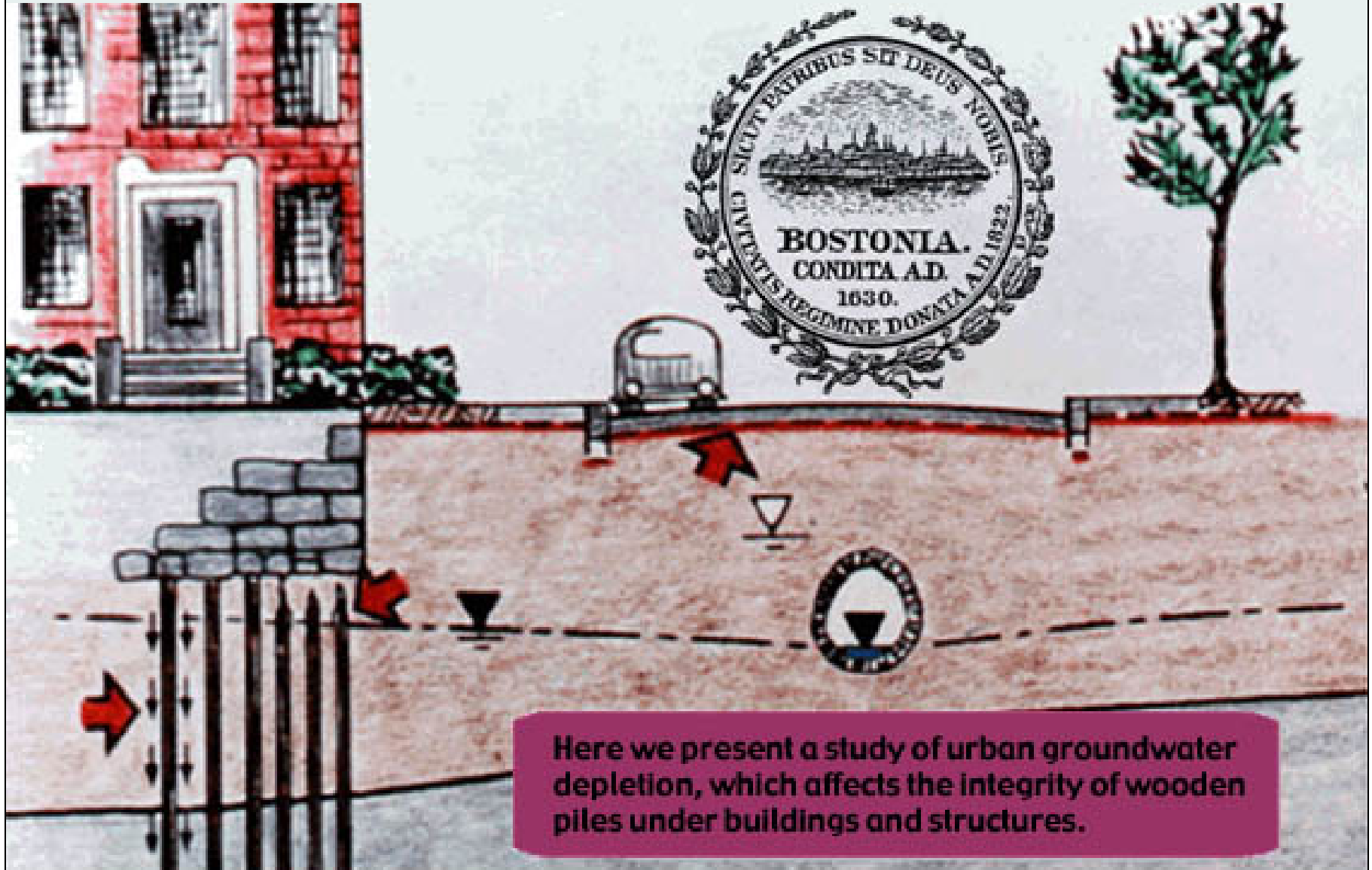


GROUNDWATER
and
BACK BAY

Boston Groundwater Trust



Here we present a study of urban groundwater depletion, which affects the integrity of wooden piles under buildings and structures.

WHO ARE WE?

- A municipal trust established by the Boston City Council
- Trustees are appointed by the Mayor at the nomination of designated organizations
- Funding comes primarily from the Commonwealth, and the City, with some contributions from corporate, private, and other government sources

WHAT DO WE DO?

- Install and monitor a network of groundwater level observation wells in sections of the City where wood piling foundations are thought to be at risk from reduced groundwater levels
- Publicly disseminate the well readings through our website, www.bostongroundwater.org, and other means
- Be the honest broker that assures that information is fairly and accurately transmitted

ANYTHING ELSE?

- Review the well readings to see if we can determine low points that might point to a potential cause of problems
- Work through the BRA and State environmental review processes to minimize the likelihood that new projects will cause problems
- Testify before the Zoning Board of Appeals on all applications for permits in the Groundwater Conservation Overlay District
- Investigate methods of recharging to raise groundwater levels

BGwT Mar/Apr 09 Elevations

Boston Groundwater Trust (BGwT): Back Bay
March 28 - April 15, 2009 Elevations for 305 Existing Wells

- 28 Wells @ Elevation > 7'
- 165 Wells @ Elevation 5' - 7'
- 84 Wells @ Elevation 3' - 5'
- ✚ 18 Wells @ Elevation < 3'
- 10 Wells @ No Reading
- ★ 23 Recharge Locations



BGwT: Underpinning and Cutoffs

Boston Groundwater Trust (BGwT): 2009 Underpinning Information for Back Bay

Building Underpinned

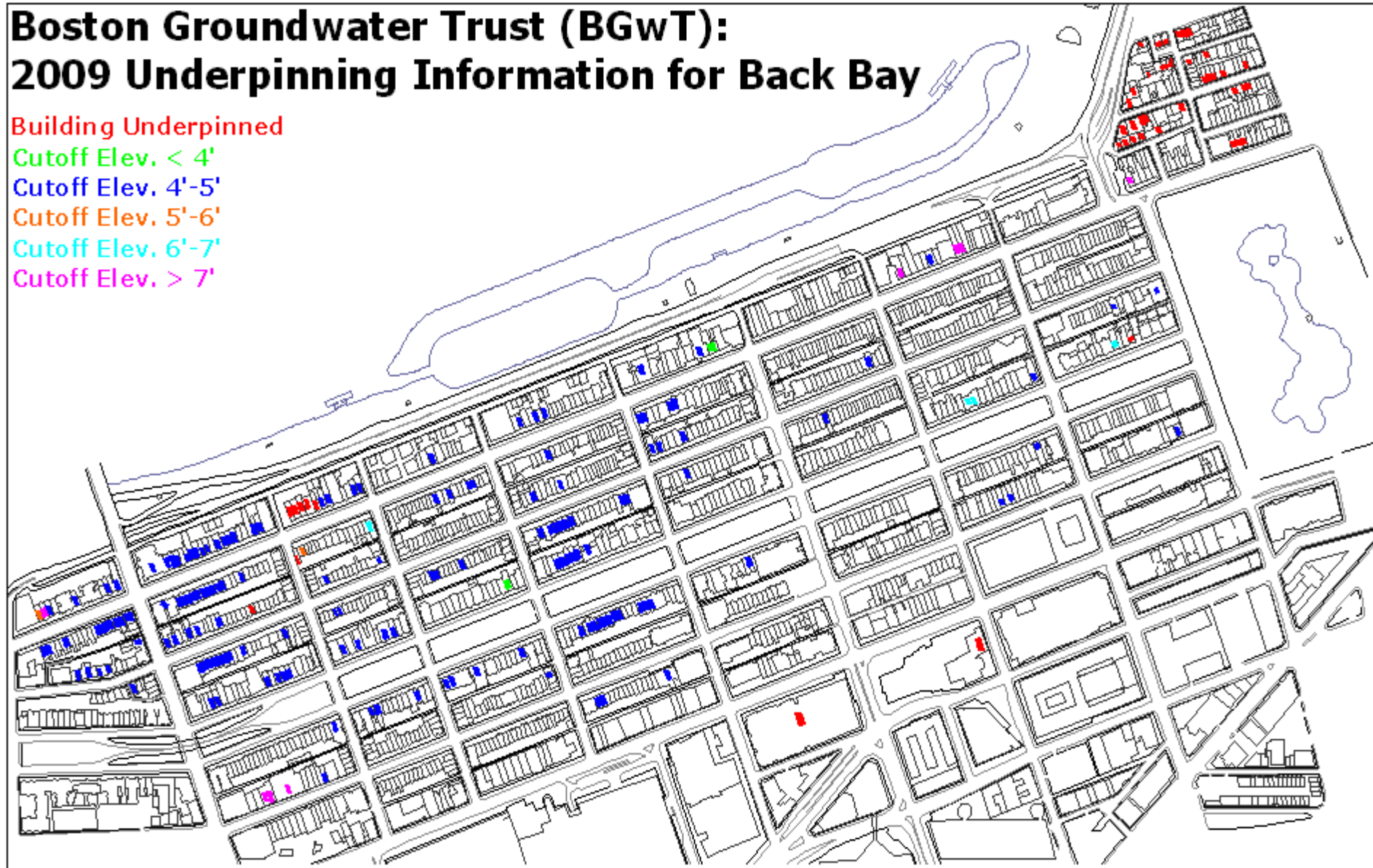
Cutoff Elev. < 4'

Cutoff Elev. 4'-5'

Cutoff Elev. 5'-6'

Cutoff Elev. 6'-7'

Cutoff Elev. > 7'



BGwT: Back Bay Contour

