

**TECHNICAL & RECHARGE
COORDINATOR'S UPDATE
BGwT Meeting: September 22nd, 2011**

WELL MONITORING

Our well network was last read from July 15th - August 6th. We started new set of readings on Monday August 21st.

NEW CO-OP

Our new co-op, Thomas Lantz started on Aug. 21st. Thomas is a senior at Wentworth and is in their Civil Engineering program. He will be with us until the end of December.

DATA LOGGERS

16 of our 23 of our data loggers are deployed throughout the west zone. I upload the following loggers on a weekly basis:

Storrow Drive

- 5 from Embankment Rd. - Clarendon St.
- Levels in these well are the highest they been since 2001 when we started monitoring them

Dartmouth Street

- 8 from Beacon St. - Commonwealth Ave.
- Levels have come up a bit. BWSC continues to injecting water and dye into the area find possible leak(s)

Ellis Neighborhood

- 1 on Saint Charles St. and 2 on Cazenove St.
- Levels in all three wells have steadily above elev. 5'

Southwest Corridor Alignment

- 2 adjacent to the Southwest Corridor Alignment on Berkeley St.
- Levels in these two wells remain low

We now have 23 dataloggers in our inventory; down 2 from our original purchase of 25. A logger that we could not connect to was sent out for evaluation. It was determined that the internal battery was dead and was un-repairable. The logger was out of its five-year warranty period and was not replaced.

Southwest Corridor Alignment

- 1 on Braddock Park and 1 on West Newton St.
- Levels in these two wells fluctuated quite a bit in recent readings

Christian Science

- 2 on Huntington Ave. side
- Levels in these two wells also fluctuated quite a bit in recent readings

MISCELLANEOUS

- Elliott and I met with Para Jayasinghe and Amy Cording of public works on June 9th and again on September 21st. We discussed providing the city our well locations in order to prevent contractors from destroying wells when sidewalk work is performed. The City will provide the BGwT with the following:
 1. Set plans of projects that come through the public works department. Bill Eagan (Chief Civil Engineer) for the department will send me plans to review to see if any of BGwT's wells are impacted.
 2. The Public Improvements Commission (PIC) agenda list. Amy Cording has added the BGwT to the distribution list. It is an address based list of work to be done. Again, I will review to see if any of the BGwT's wells will be impacted.
 3. A meeting with Michael Summers from the public works department to discuss adding the BGwT's well locations to the city's system. That meeting has been scheduled for Wednesday September 28, 2011.
- Elliott, Trustee Shilland, & I met with representatives from the MBTA and GZA. The purpose of the meeting was to inform GZA (the MBTA's selected contractor for the long-term solution in Ellis Neighborhood) of work that has been done in the area by others. I have provided GZA with all of our logger data in the area, well installation reports for wells in the area, and lat/long coordinates for wells in the area. I have also provided GZA with various maps and follow-up information to their field engineers.
- Elliott & I met with the members of the Technical Advisory Committee and reviewed a number of as-built drawings provided to us by BWSC.
- Elliott & I met with representatives of the proposed Copley Project. We reviewed and commented on the proposed groundwater recharge system.
- Elliott & I had a follow-up meeting with the representatives of the proposed 126 Brookline Street project. We reviewed and commented on the proposed groundwater recharge system.
- Reviewed locations of proposed tree infiltration pits along Hemenway and Clearway Streets, and Huntington Ave. I forwarded my comments for potential conflicts with the locations of our observation wells to Elliott.
- Sent to our webmaster four articles to post. They were:
 1. Hydraulic Design of Permeable Pavements Factsheet
 2. Porous Asphalt Factsheet

3. Part 1 of "Biodegradation of Untreated Wood Foundation Piles in Existing Buildings"
 4. Porous Pavement: Recharge groundwater, reduce runoff and save on building costs with a porous system
- Sent an update of all our latest logger data for posting.
 - Commented on MassDOT's Symphony Hall Area construction and its potential impacts to our observation wells in the area. I forwarded my comments to Elliott.
 - Attended a webinar on the Design, Construction, & Maintenance of Permeable Pavement.

CONTOURS

We continue to generate contours for all areas of our well network. Elliott and I have reviewed them with our technical committee. We continue to receive contours from BWSC.