

TECHNICAL & RECHARGE COORDINATOR'S UPDATE BGwT Meeting: July 29th, 2010

WELL MONITORING

The BGwT's latest set of readings are indicated below.
Wells were read from Jun. 11th – 30th, 2010

There are currently 720 wells in the West network. Of the 720 wells read:

- 46 wells @ elevation >9'
- 122 wells @ elevation 7'-9'
- 310 wells @ elevation 5'-7'
- 186 wells @ elevation 3'-5'
- 29 wells @ elevation <3'
- 0 wells @ Dry
- 27 wells @ no reading
- 94 Recharge Locations

We have read 85 wells in the East network (East Boston Area). Wells were read in East Boston on Jun. 7th & 9th, 2010. Of the 85 wells read:

- 27 wells @ elevation >9'
- 24 wells @ elevation 7'-9'
- 12 wells @ elevation 5'-7'
- 5 wells @ elevation 3'-5'
- 11 wells @ elevation <3'
- 4 wells @ Dry
- 2 wells @ no reading

NOTE: We are continuously reading the well network and started a new set of readings on Monday July 5th, 2010 with our returning part-timer Robert Tully from Wentworth Institute of Technology.

Robert has continued to work out extremely well for us so we have decided to re-hire him again on co-op for the fall semester.

LEVELLOGGERS

- We continue to upload dataloggers at the following locations on a weekly basis:
 - 1 on Saint Charles St. and 2 on Cazenove St.
 - 5 along the Storrow Drive Underpass from Embankment Rd. Clarendon St.
- 4 loggers have been placed in wells in Back Bay closest to the alleys that BWSC are replacing lines and installing recharge systems
- Additional loggers have been placed in the Fenway, South End, and Back Bay.

CONTOURS

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

ISD RESEARCH

- We continue to look for building permits and any underpinned buildings.
- I continue working on the South End.

WELL INSTALLATION

- We installed 14 OW's from June 7th – June 25th in the Back Bay, South End, Fenway, and the Leather District. Our contract initially called for the installation of 17 OW's. However, due to some utility interference and soil conditions 14 of the 17 were installed.
- Overall the operation ran relatively well. There were some minor hiccups here and there. The weather was great and once again New Hampshire Boring, Inc. executed fine work.

14 BGwT OW's Installed from June 7th – 25th		
well_id	install_date	location
23J-1199	07-Jun-10	On Newbury St., in front of 20-24 Newbury St.
23J-1894B	09-Jun-10	On Berkeley St., in the sidewalk, adjacent to 200 Berkeley St.
23J-2563B	09-Jun-10	Corner of Saint James Ave. and Berkeley St., adjacent to 175 Berkeley St.
22J-0218	14-Jun-10	On Blagden St., in the sidewalk, at the rear of 700 Boylston St.
23J-2773	14-Jun-10	Corner of Arlington St. and Columbus Ave., adjacent to 130 Arlington St.
21J-2146	15-Jun-10	On Union Park, in front of 89 Union Park
21I-1164B	18-Jun-10	On Huntington Ave., in front of 258 Huntington Ave.
22I-1879B	18-Jun-10	On Clearway St., adjacent to 182 Massachusetts Ave.
23K-1955B	21-Jun-10	On Lincoln St., in front of 108 Lincoln St.
23K-2041B	21-Jun-10	Corner of South and Tufts St., adjacent to 89 South St.
22I-2615AB	22-Jun-10	On Clearway St., adjacent to 55 Clearway St.
22J-0625	25-Jun-10	On Arlington St., in front of 122 Arlington St.
23J-1855	25-Jun-10	On Berkeley St., in front of 229 Berkeley St.
23K-2568	25-Jun-10	On Kneeland St., in front of 150 Kneeland St.
NOTES:		
OW's: 23J-1894B, 23J-2563B, 22J-0218, 1164B, 1879B, 1955B, 2041B, & 22I-2615AB are replacements for OW's that were either destroyed or were not operating properly		
3 Proposed OW's Not Installed		
well_id	reason OW not installed	
21K-2273	Organic layer too high. Most of OW would have been screened in organics.	
21J-1584	No Organics; right to clay layer. Hole moved & yielded same result.	
23K-2693	2 failed attempts with vac truck. Utility interference in both attempts.	