

# TECHNICAL COORDINATOR'S WELL MONITORING UPDATE BGwT Meeting: January 31, 2008

## WELL MONITORING

The BGwT's latest set of readings are indicated below.

There are currently 709 wells in the West network. Wells were read between November 11 – December 13, 2007. Of the 709 wells read:

- 131 wells @ elevation >7'
- 291 wells @ elevation 5'- 7'
- 173 wells @ elevation 3'-5'
- 61 wells @ elevation <3'
- 2 wells @ Dry
- 51 wells @ no reading

We have read 85 wells in the East network (East Boston Area). Wells were read in East Boston on November 8 & 9, 2007. Of the 85 wells read:

- 46 wells @ elevation >7'
- 12 wells @ elevation 5'- 7'
- 7 wells @ elevation 3'-5'
- 10 wells @ elevation <3'
- 10 wells @ Dry

NOTE: We are continuously reading the well network and started a new set of readings this past weekend.

### **5 New Wells in Bay Village**

- We have incorporated 5 wells into the BGwT network in the Bay Village area. These wells were installed by GEI who is working as a consultant on the proposed MBTA Silver Line Phase III.
- GEI and the MBTA have provided the BGwT well location plans and well installation logs.
- Additionally 6-8 wells are proposed for installation in the area during the Spring/Summer 2008. The BGwT will incorporate those at the appropriate time should they be installed.

## LEVELLOGGERS

- As per agreement with GEI Consultants Inc., loggers (there are a total of 5) installed in and around Cazenove St. continue to be uploaded once a week and sent to GEI Consultants Inc. The purpose is to observe the water levels in the area where the recharge systems have been installed.
- 5 dataloggers have been installed on Beacon St., in the Berkeley to Clarendon St. block. This area (historically) shows a wide range of high and low elevations. We are looking for any trends that may explain this. We recently added a logger in a well that was replaced at the corner of Back and Clarendon St.
- 3 dataloggers have been installed in the North End around Fulton and Commercial streets. Again, we are looking for any trends that may help explain the wide range of elevations over a short distance.

## ISD REASEARCH

- We continue to look for any underpinned buildings.
- The search engine has been updated so it takes it a little longer to go through each address. Some features that have been added to narrow down the searches do help when looking for building permits.

## NEW PART-TIMER

- Jessica Gormley from Wentworth Institute of Technology has started reading our well network on a part-time basis.