

TECHNICAL COORDINATOR'S WELL MONITORING UPDATE BGwT Meeting: April 23, 2007

WELL MONITORING

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

There are currently 708 wells in the West network. Wells were read between Mar. 11 – Apr. 7, 2007. Of the 708 wells read:

- 217 wells @ elevation >7'
- 299 wells @ elevation 5'- 7'
- 131 wells @ elevation 3'-5'
- 37 wells @ elevation <3'
- 24 wells @ no reading

We have read 89 wells in the East network (East Boston Area). Wells were read in East Boston on March 9 & 10, 2007. Of the 89 wells read:

- 46 wells @ elevation >7'
- 11 wells @ elevation 5'- 7'
- 10 wells @ elevation 3'-5'
- 19 wells @ elevation <3'
- 3 wells @ no reading

NOTE: We are continuously reading the well network.

LEVELOGGERS

- Group 6 dataloggers have been installed. Data is scheduled to be uploaded in June.
- As per agreement with GEI Consultants Inc., loggers (there are a total of 4) 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.

ISD REASEARCH

- We continue to look for any underpinned buildings. Data continues to be scarce up to this point.

Gordon-CenSSIS

I attended the National Science Foundation (NSF) Site Visit of the Gordon CenSSIS center at BU's Photonics & Engineering Building on April 19, 2007. Below are some highlights of the meeting.

- CenSSIS is comprised of 4 academic partners. Those being Northeastern, BU, Rensselaer Polytechnic Institute, and University of Puerto Rico at Mayagüez.
- Their main goal is sustainability
- The core of CenSSIS are their Bio-Medical applications and Environmental/Civil applications
- The life-blood of CenSSIS are the over 200 students who participate in the program
- NSF funding ends in 2010. CenSSIS is expected to be self-supporting by 2010.
- They have developed collaborations with domain experts such as Mass General Hospital and the Memorial Sloan-Kettering Cancer Center
- Some applications they are working on are:
 - Development of handheld skin cancer detection unit
 - Development of Intelligent Video for finding suicide bombers
 - Development of intelligent diagnostics for aging Civil Infrastructure
 - Development of Medical Tomography algorithms for underground assessment

I also attended the Industrial Advisory Board session. The session was a meeting of the Industrial Partners of CenSSIS. Below are some highlights of that meeting and suggestions by the partners.

- The Board reviewed the strengths and weaknesses of CenSSIS
- Some board members felt that a definition of what each partner expects is needed
- The partners also felt that goals should be outlined and measured by tabbing them either successful or unsuccessful
- The Partners felt that a consensus must be reached between CenSSIS and the partners
- The partners felt that there is a large gap between CenSSIS goals and their goals
- A closed loop communication is needed between the partners and Michael Silevitch
- The partners will look into additional funding from NSF