

Impact Area Groundwater Study Program



516 West Outer Road, Camp Edwards, MA 02542

Neighborhood Notice - Upcoming Work in your Neighborhood

Dear Neighbor:

This notice is part of the Army's effort to keep you advised of work planned in your neighborhood.

The Army National Guard's Impact Area Groundwater Study Program (IAGWSP) is conducting investigations and cleanup of groundwater at the Massachusetts Military Reservation (MMR). One of these investigations concerns the Demolition Area 1 groundwater plume, which is a plume of groundwater contaminated with perchlorate that extends past the base boundary north of the Otis rotary in Pocasset. Cleanup of the contaminated groundwater on-base began in October 2004 and more than 1.9 billion gallons of groundwater has been treated to date. The system was supplemented in June 2011 with an extraction well at the base boundary to stop any further contamination from migrating off-base. Additional investigation in your neighborhood is required to help determine if further action is warranted.

Monitoring wells have been installed just west of Route 28 and north of the rotary in order to collect groundwater samples and identify the extent of the contamination that migrated off-base. Recent results necessitate installation of additional monitoring wells to help understand the hydrogeology, extent of the groundwater contaminant plume and to determine next steps. All of the homes and businesses in the area of the plume are on town water and the contamination is in groundwater approximately 70 feet below the ground surface.

Installation of several monitoring wells in roads adjacent to Flax Pond (Picture Lake) is planned for early January (P1 – P6 on the attached figure). The schedule for the installation of this well is as follows:

What: Installation of six Groundwater Monitoring Wells

Where: On Williams Avenue and Lake Drive

Dates: January 14 through February 8

Times: 8:00 a.m. to 5:00 p.m.

Impact on Neighborhood During Installation: The drill rig and equipment may be visible from homes in the area (a photograph of the drilling equipment is on the back of this notice). There will be some increased noise during drilling. The drill rig will be moved off-site each evening so it does not impact traffic overnight.

Permanent Impact on Neighborhood: None. Any areas disturbed during drilling operations will be restored to pre-existing conditions.

Representatives from the IAGWSP have met with Town of Bourne officials to discuss the monitoring well locations and gain approval for drilling. The local police department has been informed and safety measures will be put in place to ensure that there is little impact to residents in the area. In addition, all work is coordinated with the U.S. Environmental Protection Agency and the Massachusetts Department of Environmental Protection.

For further information on this ongoing investigation and the work in Bourne please contact Pamela Richardson with the IAGWSP at **508-968-5630** or log on to **www.mmr-iagwsp.org**. Other points of contact for Impact Area Groundwater Study Program activities at the MMR are: Lori Boghdan, IAGWSP, (508) 968-5635; Jeanethe Falvey, US Environmental Protection Agency, New England Region 1, (617) 918-1020; and/or Ellie Donovan, Massachusetts Department of Environmental Protection, (508) 946-2866.



Photograph of drill rig and equipment



**Impact Area
Groundwater Study Program**

LEGEND

- Extraction Well
- Synoptic Hydraulic Monitoring Well/
Surface Water Gauging Point
- Well Proposed for Slug Testing
- Monitoring Well

Note:
Four of the new proposed well clusters being installed for hydraulic monitoring purposes.

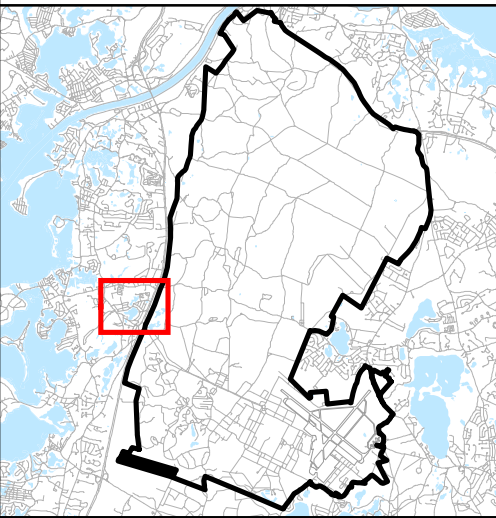
- Influent Pipeline
- Effluent Pipeline
- Infiltration Trench

Perchlorate in Groundwater

- 2 to 15 ppb
- > 15 ppb

Note: Plume shell illustrated is representative of widest observed at each transect cross-section Groundwater data through July 2012. Contour lines dashed where inferred.

LOCATION MAP



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Wells Proposed for
Demo 1 Groundwater Operable Unit

