



# RESOLUTION CONSULTANTS

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To: Lora Fly, DON, NAVFAC MIDLANT

From: Brian Caldwell, P.G., Resolution Consultants

Subject: Week #2 Summary, Bethpage Water District Well 6-2 Pilot Test — NWIRP  
Bethpage

Date: 05 April 2016

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## Week #2 Summary

The BWD Pilot Test continued with groundwater pumping at well 6-1 on Monday, March 28; pumping times, interval flow rates, interval total gallons, and daily gallons pumped are provided in the following table.

Date	Well 6-1 Time on	Well 6-1 Time Off	Well 6-1 Hours Run	Flow Rate (gpm)	Interval Pumpage (K Gal)	Daily Pumpage (K Gal)
3/28/2016	0:00	23:59:00	23:59	1212	1744.07	1744.07
3/29/2016	0:00	23:59:00	23:59	1208	1738.31	1738.31
3/30/2016	0:00	23:59:00	23:59	1209	1739.75	1739.75
3/31/2016	0:00	23:59:00	23:59	1205	1734.00	1734.00
4/1/2016	0:00	12:01	12:01	1207	870.25	870.25
4/2/2016	off	--	--	--	--	--
4/3/2016	off	--	--	--	--	--
<b>Sums =</b>			<b>4.50 days</b>	<b>1,208 ave. gpm</b>	<b>7,826,373 tot. gals</b>	<b>7,826,373 tot. gals</b>

Well 6-2 located at Plant #6 was not operated during the above dates.

Preliminary rainfall data (daily inches) for the above dates is:

<b>3/26/2016</b>	0
<b>3/27/2016</b>	0
<b>3/28/2016</b>	0.52
<b>3/29/2016</b>	0
<b>3/30/2016</b>	0
<b>3/31/2016</b>	0
<b>4/1/2016</b>	0.04

Week #2 samples were collected on Friday, April 1. Chemicals detected in the raw water for wells 6-1 and 6-2, and the treated water used for distribution are summarized below:

<b>Chemicals Detected 4/1/16</b>	<b>Well 6-1</b>	<b>Well 6-2</b>	<b>Treated Water</b>	<b>NYS limit</b>
1,4-Dioxane	11	6.9	11	--
1,1-Dichloroethane	<0.50	1.03	<0.50	5
Carbon Tetrachloride	<0.50	0.82	<0.50	5
Chloroform	<0.50	0.77	<0.50	--
cis-1,2-Dichloroethene	<0.50	1.64	<0.50	5
Tetrachloroethene	3.19	1	<0.50	5
Total Trihalomethanes	<2.00	0.77 J	<2.00	80
Trichloroethene	<b>36.6</b>	<b>581</b>	<0.50	5
Nitrate as N, mg/L	3.77	2.77	3.66	10
Perchlorate	3.1	2.4	3.3	18

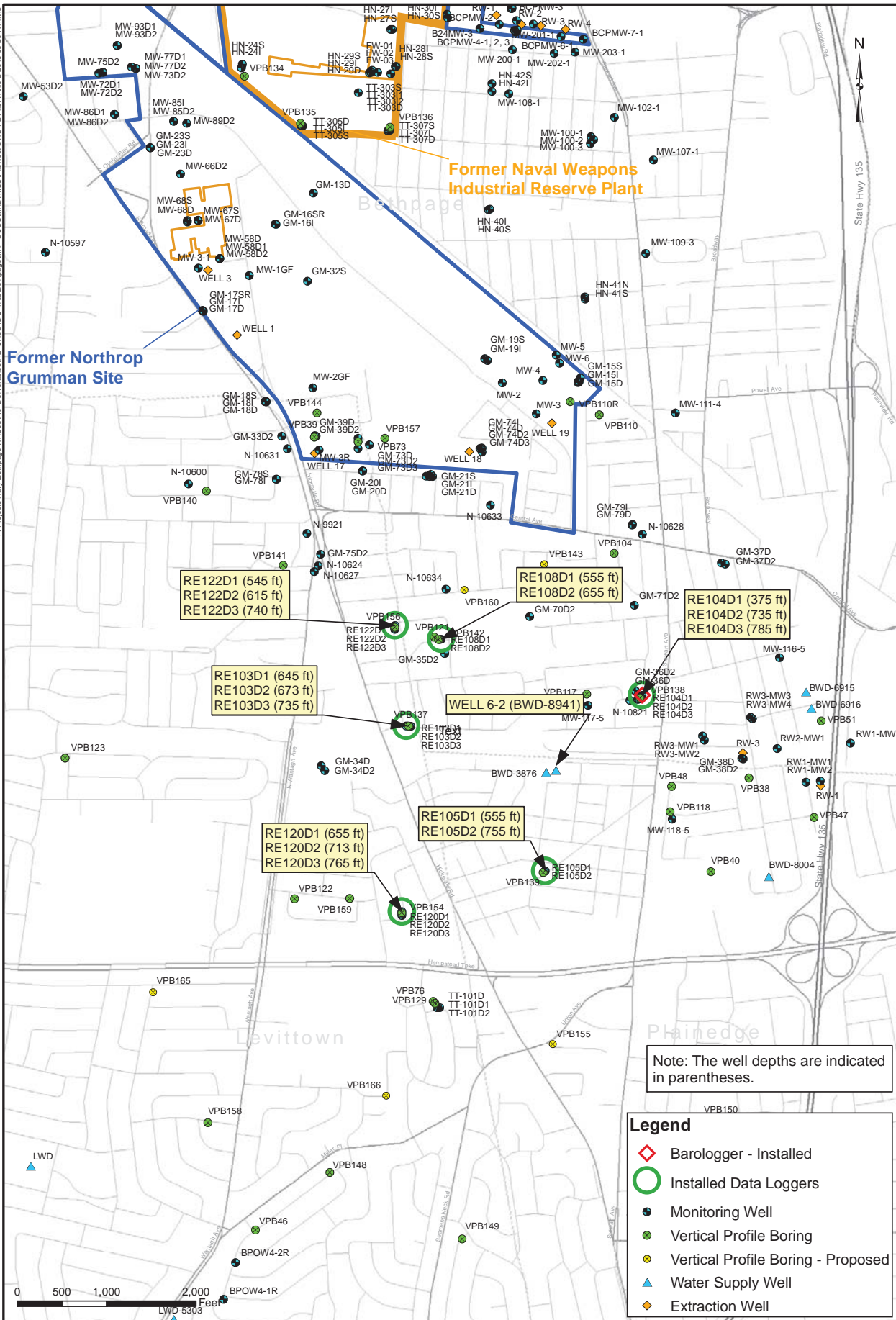
All units µg/L, except as noted.

**Exceed NYS Regulatory Limits**

Laboratory reports were forwarded to Mr. Henry Wilkie of NYSDEC via email dated April 5, 2016.

### **Week #3**

Week #3 of the Pilot Test began on Monday, April 4; pumping will be conducted at well 6-2 only for this weekly pumping cycle.



Note: The well depths are indicated in parentheses.

**Legend**

- Barologger - Installed
- Installed Data Loggers
- Monitoring Well
- Vertical Profile Boring
- Vertical Profile Boring - Proposed
- Water Supply Well
- Extraction Well



INSTALLED DATA LOGGER LOCATIONS FOR  
BWD WELL 6-2 PILOT TEST  
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT  
BETHPAGE, NEW YORK

CONTRACT NUMBER N62470-11-D8013	CTO NUMBER WE69
APPROVED BY AJ	DATE 9/3/2015
APPROVED BY	DATE
FIGURE NO. 2	REV 0