

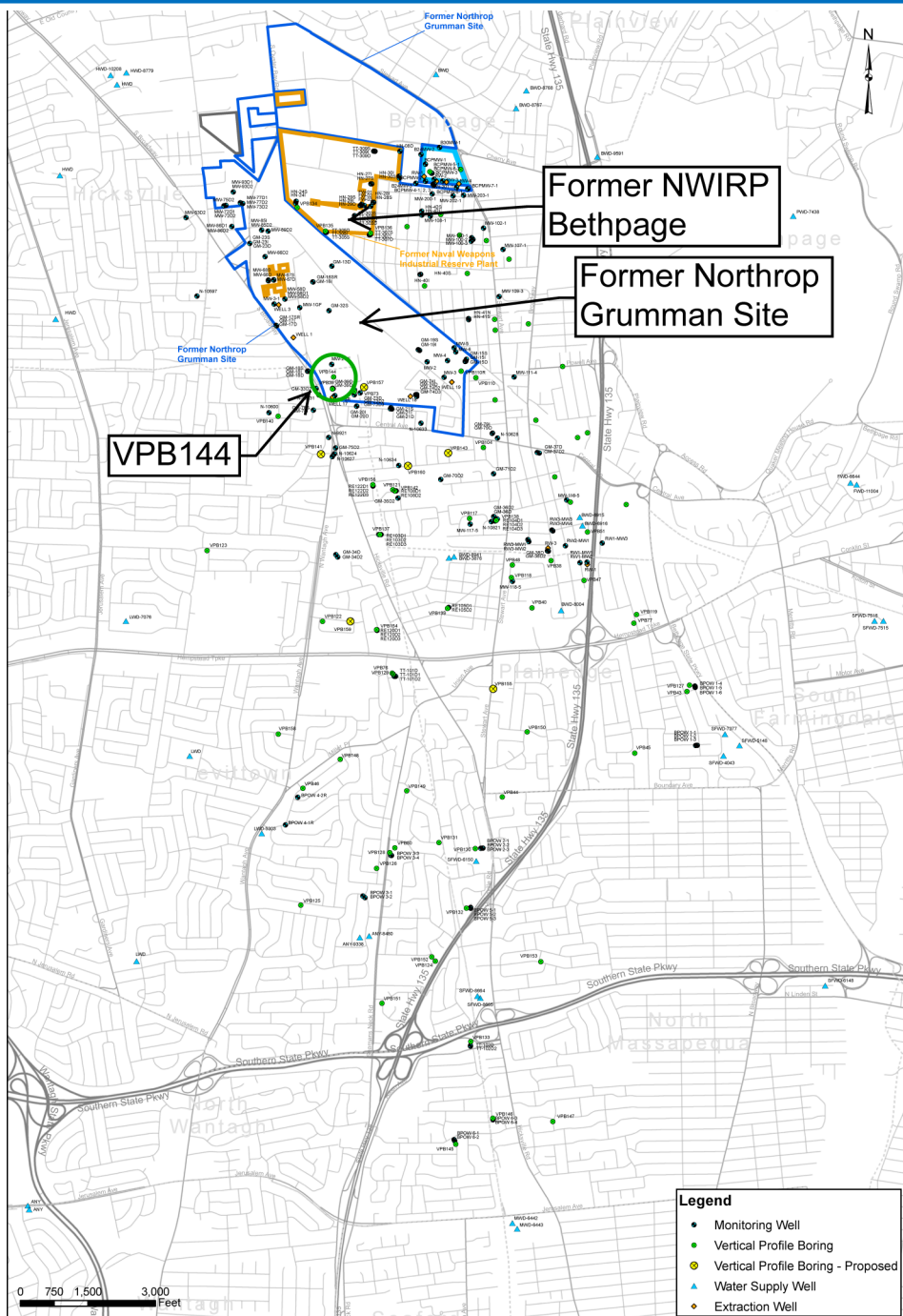
Vertical Profile Boring Installation Summary

Installed January 2014

Historic storage and/or disposal practices at the former **Naval Weapons Industrial Reserve Plant Bethpage (NWIRP Bethpage)** and adjacent former Northrop Grumman properties resulted in groundwater contamination in the local area. Over the last several decades, **volatile organic compounds (VOCs)** that originated from these facilities have moved into the groundwater and off-property with the groundwater flow. The contamination has generally moved to the south while sinking downward to greater depths.

The Navy estimates the VOC contamination covers approximately 3,000 acres, but it is not distributed evenly throughout the area. Instead of a single, contiguous plume, there are multiple widely dispersed plumes or "fingers", meaning VOCs are present in the groundwater at different concentrations and different depths in different areas.

The Navy is conducting a groundwater investigation that includes the installation of **vertical profile borings (VPB)** to gather more information on the location, depth, and concentration of contaminants in the groundwater plume. Installation of a VPB involves drilling a deep hole (up to approximately 1,000 feet below ground surface [bgs]) and taking samples of the groundwater at various depths. One to three permanent monitoring wells are typically installed adjacent to the VPB hole, and the depth of the well(s) is determined based on the results of the sampling conducted during the VPB installation.

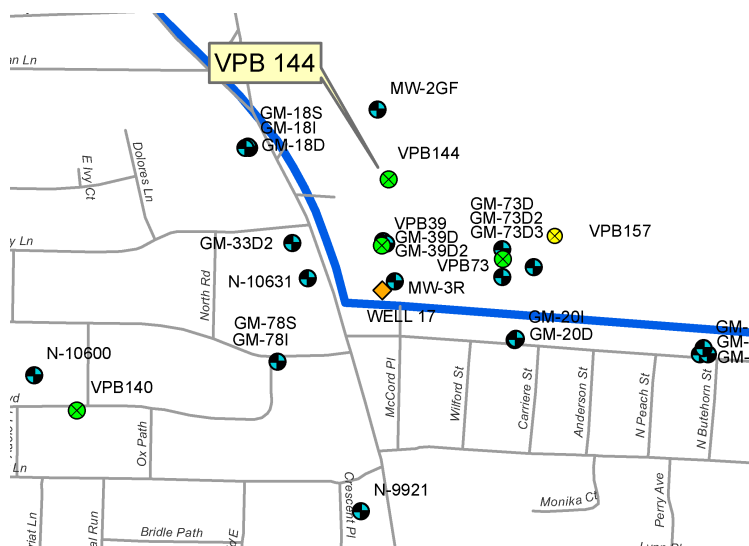


Please note the VPB investigation is sampling raw groundwater, meaning it has not been treated to remove contaminants. Raw groundwater is not what is distributed by the water districts to the public. All water distributed by the water districts is collected from their own water supply wells, and is regularly tested and treated by the districts to ensure a safe water supply.

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VPB144 Investigation Summary

- | Depth interval
(ft bgs) | TCE (ug/L) | PCE (ug/L) |
|----------------------------|-------------|------------|
| 58 - 60 ft | 0.33 | ND |
| 103 - 105 ft | ND | ND |
| 148 - 150 ft | 28 | 0.49 |
| 198 - 200 ft | 5.8 | ND |
| 223 - 225 ft | 0.57 | ND |
| 238 - 240 ft | 0.85 | ND |
| 258 - 260 ft | ND | ND |
| 278 - 280 ft | 50 | 0.53 |
| 308 - 310 ft | 9.9 | ND |
| 318 - 320 ft | 5.2 | ND |
| 338 - 340 ft | 6.7 | ND |
| 363 - 365 ft | 11 | ND |
| 378 - 380 ft | 20 | ND |
| 423 - 425 ft | 7.8 | ND |
| 438 - 440 ft | 1.9 | ND |
| 458 - 460 ft | 150 | 0.80 |
| 478 - 480 ft | 1200 | 5.7 |
| 498 - 500 ft | 7600 | 52 |
| 518 - 520 ft | 200 | 420 |
| 538 - 540 ft | 22 | 28 |
| 568 - 570 ft | 1.1 | 0.69 |
| 598 - 600 ft | 0.90 | 1.2 |
| 618 - 620 ft | ND | ND |
| 643 - 645 ft | ND | ND |
| 658 - 660 ft | ND | ND |
| 688 -690 ft | ND | ND |
| 698 - 700 ft | ND | ND |
| 738 - 740 ft | ND | ND |
| 758 - 760 ft | ND | ND |
| 798 - 800 ft | ND | ND |
| 818 - 820 ft | ND | ND |
| 838 - 840 ft | ND | ND |



Additional information on the NWIRP Bethpage Environmental Restoration Program is available online at <http://go.usa.gov/DyXF> or by contacting: Public Affairs, NAVFAC Mid-Atlantic, 9324 Virginia Ave, Norfolk VA 23511-3095, 757-341-1411.