

Board of Commissioners

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Oyster Bay Water District

2005 Drinking Water Quality Report

Public Water Supply Identification No.: 2902844

ANNUAL WATER SUPPLY REPORT

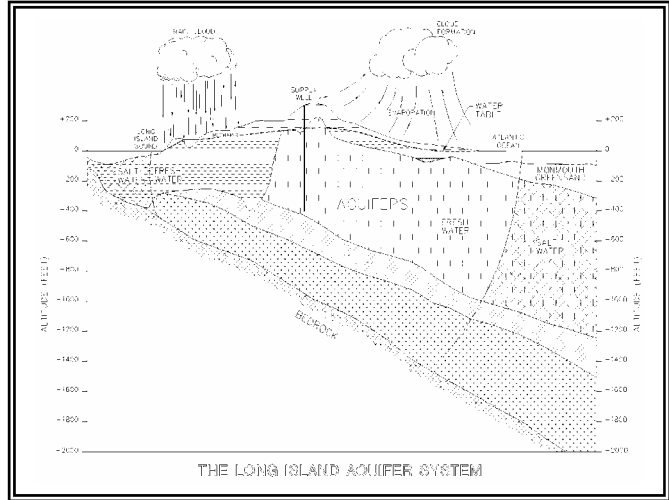
May 2006

The Oyster Bay Water District is pleased to present to you this year's Water Quality Report. The report is required to be delivered to all residents of our District in compliance with Federal and State regulations. The Board of Commissioners is happy to report that our water is in full compliance with all Federal, State and County regulations. Our constant goal is to provide you with a safe and dependable supply of drinking water every day. We also want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. The Board of Water Commissioners and the District employees are committed to ensuring that you and your family receive the highest quality water.

SOURCE OF OUR WATER

The source of water for the District is groundwater pumped from five (5) wells located throughout the community that are drilled into the Glacial and Magothy aquifer beneath Long Island, as shown on the enclosed figure. Generally, the water quality of the aquifer in Oyster Bay is excellent.

The population served by the Oyster Bay Water District during 2005 was 8,700. The total amount of water withdrawn from the aquifer in 2005 was 453.9 million gallons, of which approximately 96 percent was billed directly to consumers.



The District utilizes a step billing schedule as shown on the following table. The average residential consumer (domestic use) is being billed at \$1.00/1,000 gallons. To obtain a copy of the sprinkler system, or multi-user water rates, please contact the District office.

Quarterly Water Rates – Residential

| <u>Consumption (gallons)</u> | <u>Charges</u> |
|-------------------------------------|-------------------------|
| Up to 18,000 | \$1.00/thousand gallons |
| 18,001 – 27,000 | \$1.55/thousand gallons |
| 27,001 – 36,000 | \$2.00/thousand gallons |
| 36,001 – 60,000 | \$2.50/thousand gallons |
| 60,001 – 150,000 | \$3.30/thousand gallons |
| Over 150,000 | \$3.95/thousand gallons |

CONTACT FOR ADDITIONAL INFORMATION

We are pleased to report that our drinking water is safe and meets all Federal and State requirements. If you have any questions about this report or concerning your water utility, please contact Water District Supt. Karl Dahlem (516) 922-4848 or the Nassau County Department of Health at (516) 571-3324. We want our valued customers to be informed about our water system. If you want to learn more, please attend any of our regularly scheduled meetings. They are normally held on Thursday mornings at 9:00 a.m. at the Water District office.

The Oyster Bay Water District routinely monitors for different parameters and contaminants in your drinking water as required by Federal and State laws. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk. For more information on contamination and potential health risks, please contact the USEPA Safe Drinking Water Hotline at 1-800-426-4791.

The USEPA established a Lead and Copper Rule that required all public water suppliers to sample and test for lead and copper at the tap. The first testing was required in 1992. All of our results were excellent indicating that the District's corrosion control treatment program was effective in preventing the leaching of lead and copper from your home's plumbing into your drinking water. Follow-up testing was last conducted in 2005 with the same excellent results.

WATER CONSERVATION MEASURES

The underground water system of Long Island has more than enough water for present water demands. However, saving water will ensure that our future generations will always have a safe and abundant water supply.

In 2005, the Oyster Bay Water District continued to implement a water conservation program in order to minimize any unnecessary water use. The pumpage for 2005 was 8 percent higher than in 2004. This increase can most likely be attributed to the relatively hot and dry Summer weather that occurred in 2005.

Residents of the District can also implement their own water conservation measures such as retrofitting plumbing fixtures with flow restrictors, modifying automatic lawn sprinklers to include rain sensors, repairing leaks in the home, installing water conservation fixtures/appliances and maintaining a daily awareness of water conservation in their personal habits. In addition, consumers should be aware that the Nassau County Lawn Sprinkler Regulations are still in effect. Besides protecting our precious underground water supply, water conservation will produce a cost savings to the consumer in terms of both water and energy bills (hot water). Utilizing the water conservation measures listed above can reduce your water use by 5%.

WATER TREATMENT

The Oyster Bay Water District provides treatment at all wells to improve the quality of the water pumped prior to distribution to the consumer. The pH of the pumped water is adjusted upward to reduce corrosive action between the water and water mains and in-house plumbing by the addition of sodium hydroxide. The District also maintains standby chlorination equipment at each well site for emergency disinfection. The District has been granted a waiver from disinfection by the State Health Department, therefore, chlorination is not required.

SOURCE WATER ASSESSMENT

The NYSDOH, with assistance from the local health department, has completed a source water assessment for this system, based on available information. Possible and actual threats to this drinking water source were evaluated. The source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how rapidly contaminants can move through the subsurface to the wells. The susceptibility of a water

OYSTER BAY WATER DISTRICT

2005 WATER QUALITY REPORT

TABLE OF DETECTED PARAMETERS

| Contaminants | Violation (Yes/No) | Date of Sample | Level Detected (Maximum) (Range) | Unit Measurement | MCLG | Regulatory Limit (MCL or AL) | Likely Source of Contaminant |
|---|--------------------|----------------------|----------------------------------|------------------|------|------------------------------|--|
| Inorganic Contaminants | | | | | | | |
| Copper | No | July/Aug./ Sept 2005 | 0.16 ⁽¹⁾ ND - 0.22 | mg/l | 1.3 | AL = 1.3 | Corrosion of galvanized pipes; Erosion of natural deposits |
| Lead | No | July/Aug./ Sept 2005 | 1.89 ⁽¹⁾ ND-4.0 | ug/l | 0 | AL = 15 | Corrosion of household plumbing systems; Erosion of natural deposits |
| Sodium | No | 06/21/05 | 7.3 5.1 - 7.3 | mg/l | n/a | No MCL ⁽²⁾ | Naturally occurring |
| Magnesium | No | 06/21/05 | 4.6 2.4 - 4.6 | mg/l | n/a | None | Naturally occurring |
| Chloride | No | 06/21/05 | 10.6 6.3 - 10.6 | mg/l | n/a | MCL = 250 | Naturally occurring |
| Nitrate | No | 06/21/05 | 3.3 1.4 - 3.3 | mg/l | 10 | MCL = 10 | Runoff from fertilizer and leaching from septic tanks and sewage |
| Sulfate | No | 06/21/05 | 12.4 ND - 12.4 | mg/l | n/a | MCL = 250 | Naturally occurring |
| Calcium | No | 06/21/05 | 10.3 5.6 - 10.3 | mg/l | n/a | None | Naturally occurring |
| Iron | No | 06/21/05 | 200 ND - 200 | ug/l | n/a | MCL = 300 | Naturally occurring |
| Perchlorate | No | 06/28/05 | 2.1 ND - 2.1 | ug/l | n/a | AL = 18 ⁽³⁾ | Fertilizer |
| Microbiological | | | | | | | |
| None Detected | -- | -- | ND | -- | -- | -- | -- |
| Volatile Organic Contaminants and Synthetic Organic Contaminants Including Pesticides and Herbicides | | | | | | | |
| Tetrachloroethene | No | 08/30/05 | 0.61 ND - 0.61 | mg/l | 0 | MCL = 5 | Industrial discharge |

SPECIAL NOTE: The water supplied by the Oyster Bay Water District currently meets or exceeds all Federal, State and local drinking water standards.

Definitions:

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Milligrams per liter (mg/l) - Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l) - Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Non-Detects (ND) - Laboratory analysis indicates that the constituent is not present.

⁽¹⁾ - During 2005 we collected and analyzed 20 samples for lead and copper. The 90% percentile level is presented in the table. The action levels for both lead and copper were not exceeded at any site tested. Resampling will not be required until 2008.

⁽²⁾ - No MCL has been established for sodium. However, 20 mg/l is a recommended guideline for people on high restricted sodium diets and 270 mg/l for those on moderately sodium diets.

⁽³⁾ - Perchlorate is an unregulated contaminant. However, the New York State Dept. of Health has set an action level of 18.0 ug/l.

**OYSTER BAY WATER DISTRICT
2005 WATER QUALITY DATA**

| PARAMETERS (mg/l) | MAX. CONT. LEVEL | DETECT. LIMITS | PLANT NO. 1 N-585 ⁽¹⁾ | | WELL NO. 2-1 N-4400 ⁽¹⁾ | | WELL NO. 2-2 N-13259 ⁽²⁾ | | WELL NO. 6-1 N-8183 ⁽¹⁾ | | WELL NO. 6-2 N-9520 ⁽¹⁾ | |
|---------------------------|------------------|----------------|----------------------------------|-------------|------------------------------------|-------------|-------------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|
| | | | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT |
| <u>INORGANIC</u> | | | | | | | | | | | | |
| ARSENIC | 50.0 ug/l | 3.0 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BARIUM | 2.0 mg/l | 0.2 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| CADMIUM | 5.0 ug/l | 5.0 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| CHROMIUM | 0.10 mg/l | 0.01 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| COPPER | [1.3] mg/l | 0.02 mg/l | 0.06 | 0.06 | ND | ND | ND | ND | ND | ND | ND | ND |
| FLUORIDE | 2.2 mg/l | 0.1 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| LEAD | [15.0] ug/l | 1.0 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MERCURY | 2.0 ug/l | 0.2 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| LANGLIER SATURATION INDEX | None | None | -3.26 | -3.26 | -2.36 | -2.36 | -2.65 | -2.63 | -2.93 | -2.93 | -2.66 | -2.66 |
| SELENIUM | 50 ug/l | 5.0 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| SILVER | 0.1 mg/l | 0.01 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| SODIUM | **20/270 mg/l | 0.2 mg/l | 5.8 | 5.8 | 6.6 | 6.6 | 6.0 | 6.0 | 5.1 | 5.1 | 7.3 | 7.3 |
| ZINC | 5.0 mg/l | 0.02 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | 0.03 | 0.03 |
| COLOR | 15 Units | 5 Units | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TURBIDITY | 5 Units | 1 Unit | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| ODOR | 3 Units | 0 Units | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| IRON | 0.3 mg/l | 0.02 mg/l | 0.2 | 0.2 | ND | ND | 0.1 | 0.1 | ND | ND | ND | ND |
| MANGANESE | 0.3 mg/l | 0.01 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| AMMONIA | None | 0.1 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| NITRITE | 1.0 mg/l | 0.1 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| NITRATE | 10.0 mg/l | 0.1 mg/l | 3.3 | 3.3 | 2.4 | 2.4 | 2.8 | 2.7 | 1.4 | 1.4 | 2.8 | 2.8 |
| CHLORIDE | 250 mg/l | 1.0 mg/l | 9.4 | 9.4 | 8.2 | 8.2 | 7.1 | 6.9 | 6.3 | 6.3 | 10.6 | 10.6 |
| TOTAL HARDNESS | None | 1.0 mg/l | 39.7 | 39.7 | 39.1 | 39.1 | 35.2 | 34.6 | 24.1 | 24.1 | 44.4 | 44.4 |
| TOTAL ALKALINITY | None | 0 mg/l | 14.0 | 14.0 | 27.7 | 27.7 | 23.5 | 21.9 | 19.4 | 19.4 | 25.0 | 25.0 |
| pH (BEFORE TREATMENT) | None | None | 6.1 | 6.1 | 6.7 | 6.7 | 6.6 | 6.6 | 6.5 | 6.5 | 6.4 | 6.4 |
| TOTAL DISSOLVED SOLIDS | None | 5.0 mg/l | 92.0 | 92.0 | 71.0 | 71.0 | 71.0 | 64.5 | 52.0 | 52.0 | 99.0 | 99.0 |
| DETERGENTS (MBAS) | None | 0.08 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| SULFATE | 250 mg/l | 5.0 mg/l | 12.4 | 12.4 | 5.5 | 5.5 | 5.0 | 2.5 | ND | ND | 7.1 | 7.1 |
| FREE CYANIDE | 200 ug/l | 10.0 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| ANTIMONY | 6.0 ug/l | 5.9 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BERYLLIUM | 4.0 ug/l | 3.0 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| CALCIUM | None | 1.0 mg/l | 9.2 | 9.2 | 9.4 | 9.4 | 8.1 | 8.0 | 5.6 | 5.6 | 10.3 | 10.3 |
| MAGNESIUM | None | 1.0 mg/l | 4.1 | 4.1 | 3.8 | 3.8 | 3.7 | 3.6 | 2.4 | 2.4 | 4.6 | 4.6 |
| NICKEL | 0.10 mg/l | 0.04 mg/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| THALLIUM | 2.0 ug/l | 1.9 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PERCHLORATE | 18 ug/l | 1.0 ug/l | ND | ND | 1.0 | 1.0 | 2.1 | 2.1 | 1.5 | 1.5 | ND | ND |

CONT. - CONTAMINANT

ND - NOT DETECTED

NA - NOT ANALYZED

* - WELL NOS. 1, 4, 5, 6, 7 ARE COMBINED THROUGH COMMON SUCTION

** - 20 mg/l IS THE LIMIT FOR PEOPLE ON HIGHLY RESTRICTED SODIUM DIETS AND 270 mg/l FOR THOSE ON MODERATELY RESTRICTED SODIUM DIETS

[] - USEPA/NYS DH ACTION LEVEL

() - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

**OYSTER BAY WATER DISTRICT
2005 WATER QUALITY DATA**

| PARAMETERS (ug/l) | MAX. CONT. LEVEL | DETECT. LIMITS | PLANT NO. 1 N-585 | | WELL NO. 2-1 N-4400 | | WELL NO. 2-2 N-13259 ⁽²⁾ | | WELL NO. 6-1 N-8183 | | WELL NO. 6-2 N-9520 | |
|---|------------------------|-------------------|-------------------|----------------|---------------------|----------------|-------------------------------------|----------------|---------------------|----------------|---------------------|----------------|
| | | | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT |
| <u>SYNTHETIC ORGANICS CONTAMINANTS (SOC)</u> | | | | | | | | | | | | |
| LINDANE | 0.2 ug/l | 0.025 ug/l | NOT | TESTED | NOT | TESTED | ND | ND | NOT | TESTED | NOT | TESTED |
| HEPTACHLOR | 0.4 ug/l | 0.025 ug/l | | | | | ND | ND | | | | |
| ALDRIN | 5.0 ug/l | 0.025 ug/l | | | | | ND | ND | | | | |
| HEPTACHLOR EPOXIDE | 0.2 ug/l | 0.025 ug/l | | | | | ND | ND | | | | |
| DIELDRIN | 2.0 ug/l | 0.05 ug/l | | | | | ND | ND | | | | |
| ENDRIN | 2.0 ug/l | 0.05 ug/l | | | | | ND | ND | | | | |
| METHOXYCHLOR | 40.0 ug/l | 0.25 ug/l | | | | | ND | ND | | | | |
| TOXAPHENE | 3.0 ug/l | 2.5 ug/l | | | | | ND | ND | | | | |
| CHLORDANE | 2.0 ug/l | 0.5 ug/l | | | | | ND | ND | | | | |
| TOTAL PCBs | 0.5 ug/l | 0.5 ug/l | | | | | ND | ND | | | | |
| PROPACHLOR | 50.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| ALACHLOR | 2.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| SIMAZINE | 4.0 ug/l | 0.5 ug/l | | | | | ND | ND | | | | |
| ATRAZINE | 3.0 ug/l | 0.5 ug/l | | | | | ND | ND | | | | |
| METOLACHLOR | 50.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| METRIBUZIN | 50.0 ug/l | 0.5 ug/l | | | | | ND | ND | | | | |
| BUTACHLOR | 50.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |

CONT. - CONTAMINANT

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NOT TESTED - STATE AND COUNTY TESTING REQUIREMENTS INCLUDE TESTING FOR SOC ONCE EVERY 18 MONTHS. THIS WELL NOT TESTED IN 2005.

() - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

**OYSTER BAY WATER DISTRICT
2005 WATER QUALITY DATA**

| PARAMETERS (ug/l) | MAX. CONT. LEVEL | DETECT. LIMITS | PLANT NO. 1 N-585 | | WELL NO. 2-1 N-4400 | | WELL NO. 2-2 N-13259 ⁽²⁾ | | WELL NO. 6-1 N-8183 | | WELL NO. 6-2 N-9520 | |
|--|------------------|----------------|-------------------|-------------|---------------------|-------------|-------------------------------------|-------------|---------------------|-------------|---------------------|-------------|
| | | | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT |
| SYNTHETIC ORGANICS CONTAMINANTS (SOC' (CONT'D.) | | | | | | | | | | | | |
| 2,4-D | 50.0 ug/l | 0.25 ug/l | NOT | TESTED | NOT | TESTED | ND | ND | NOT | TESTED | NOT | TESTED |
| 2,4,5-TP (SILVEX) | 10.0 ug/l | 0.13 ug/l | | | | | ND | ND | | | | |
| DINOSEB | 7.0 ug/l | 0.2 ug/l | | | | | ND | ND | | | | |
| DALAPON | 200 ug/l | 0.7 ug/l | | | | | ND | ND | | | | |
| PICLORAM | 500 ug/l | 0.6 ug/l | | | | | ND | ND | | | | |
| DICAMBA | 50.0 ug/l | 0.08 ug/l | | | | | ND | ND | | | | |
| PENTACHLOROPHENOL | 1.0 ug/l | 0.2 ug/l | | | | | ND | ND | | | | |
| HEXACHLOROCYCLOPENTADIENE | 50.0 ug/l | 0.64 ug/l | | | | | ND | ND | | | | |
| bis(2-ETHYLHEXYL)ADIPATE | 400 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| bis(2-ETHYLHEXYL)PHTHALATE | 6.0 ug/l | 3.0 ug/l | | | | | ND | ND | | | | |
| HEXACHLOROENZENE | 1.0 ug/l | 0.25 ug/l | | | | | ND | ND | | | | |
| BENZO(A)PYRENE | 0.2 ug/l | 0.1 ug/l | | | | | ND | ND | | | | |
| ALDICARB SULFONE | 2.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| ALDICARBSULFOXIDE | 4.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| ALDICARB | 3.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| TOTAL ALDICARBS | 7.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| OXAMYL | 200 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| METHOMYL | 50.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| 3-HYDROXYCARBOFURAN | 50.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| CARBOFURAN | 40.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| CARBARYL | 50.0 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| GLYPHOSATE | 700 ug/l | 10.0 ug/l | | | | | ND | ND | | | | |
| DIQUAT | 20 ug/l | 1.0 ug/l | | | | | ND | ND | | | | |
| ENDOTHALL | 100 ug/l | 50.0 ug/l | | | | | ND | ND | | | | |
| 1,2-DIBROMOETHANE (EDB) | 0.05 ug/l | 0.02 ug/l | | | | | ND | ND | | | | |
| 1,2-DIBROMO-3-CHL.PROPANE | 0.2 ug/l | 0.02 ug/l | | | | | ND | ND | | | | |
| DIOXIN | 30 Pg/L | 5.0 Pg/L | | | | | ND | ND | | | | |

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|--|------------------------|-------------------|----------------------------------|----------------|------------------------------------|----------------|-------------------------------------|----------------|------------------------------------|----------------|------------------------------------|----------------|
| | | | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT |
| TRICHALOMETHANES AND HALOACETIC ACIDS | | | | | | | | | | | | |
| CHLOROACETIC ACID | --- | < 2.0 ug/l | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED |
| BROMOACETIC ACID | --- | < 1.0 ug/l | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED |
| DICHLOROACETIC ACID | --- | < 1.0 ug/l | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED |
| TRICHLOROACETIC ACID | --- | < 1.0 ug/l | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED |
| DIBROMOACETIC ACID | --- | < 2.0 ug/l | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED |
| TOTAL HALOACETIC ACID | 60 ug/l | < 2.0 ug/l | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED | NOT | TESTED |
| CHLOROFORM | 50 ug/l | < 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMODICHLOROMETHANE | 50 ug/l | < 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DIBROMOCHLOROMETHANE | 50 ug/l | < 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMOFORM | 50 ug/l | < 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TOTAL TRIHALOMETHANES | 80 ug/l | < 1.0 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

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| | | | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT |
| <u>VOLATILE ORGANICS</u> | | | | | | | | | | | | |
| DICHLORODIFLUOROMETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROMETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| VINYL CHLORIDE | 2.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMOMETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROFLUOROMETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-DICHLOROETHENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYLENE CHLORIDE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TRANS-1,2-DICHLOROETHENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-DICHLOROETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| <i>cis</i> -1,2 DICHLOROETHENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,2-DICHLOROPROPANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMOCHLOROMETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1-TRICHLOROETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| CARBON TETRACHLORIDE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1-DICHLOROPROPENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2-DICHLOROETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TRICHLOROETHENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2-DICHLOROPROPANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DIBROMOMETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TRANS-1,3-DICHLOROPROPENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| <i>cis</i> -1,3-DICHLOROPROPENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2-TRICHLOROETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TETRACHLOROETHENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | 0.6 | 0.2 | ND | ND | ND | ND |

CONT. - CONTAMINANT

ND - NOT DETECTED

* - WELL NOS. 1, 4, 5, 6, 7 ARE COMBINED THROUGH COMMON SUCTION

() - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

OYSTER BAY WATER DISTRICT
2005 WATER QUALITY DATA

| PARAMETERS (ug/l) | MAX. CONT. LEVEL | DETECT. LIMITS | PLANT NO. 1 N-585 ⁽⁴⁾ | | WELL NO. 2-1 N-4400 ⁽⁴⁾ | | WELL NO. 2-2 N-13259 ⁽⁴⁾ | | WELL NO. 6-1 N-8183 ⁽⁴⁾ | | WELL NO. 6-2 N-9520 ⁽⁴⁾ | |
|---|------------------|----------------|----------------------------------|-------------|------------------------------------|-------------|-------------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|
| | | | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT |
| <u>VOLATILE ORGANICS (CONT'D.)</u> | | | | | | | | | | | | |
| 1,3-DICHLOROPROPANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| CHLOROBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,1,2-TETRACHLOROETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BROMOBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,1,2,2-TETRACHLOROETHANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3-TRICHLOROPROPANE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-CHLOROTOLUENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4-CHLOROTOLUENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2-DICHLOROBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,3-DICHLOROBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,4-DICHLOROBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,4-TRICHLOROBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| HEXACHLOROBUTADIENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,3-TRICHLOROBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| TOLUENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| ETHYLBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| M,P-XYLENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| O-XYLENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| STYRENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| ISOPROPYLBENZENE (CUMENE) | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| N-PROPYLBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,3,5-TRIMETHYLBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

CONT. - CONTAMINANT

ND - NOT DETECTED

* - WELL NOS. 1, 4, 5, 6, 7 ARE COMBINED THROUGH COMMON SUCTION

() - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

OYSTER BAY WATER DISTRICT
2005 WATER QUALITY DATA

| PARAMETERS (ug/l) | MAX. CONT. LEVEL | DETECT. LIMITS | PLANT NO. 1 N-585 ⁽⁴⁾ | | WELL NO. 2-1 N-4400 ⁽⁴⁾ | | WELL NO. 2-2 N-13259 ⁽⁴⁾ | | WELL NO. 6-1 N-8183 ⁽⁴⁾ | | WELL NO. 6-2 N-9520 ⁽⁴⁾ | |
|---|------------------------|-------------------|----------------------------------|----------------|------------------------------------|----------------|-------------------------------------|----------------|------------------------------------|----------------|------------------------------------|----------------|
| | | | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT | MAX. RESULT | AVG. RESULT |
| <u>VOLATILE ORGANICS (CONT'D.)</u> | | | | | | | | | | | | |
| TERT-BUTYLBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 1,2,4-TRIMETHYLBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| SEC-BUTYLBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4-ISOPROPYLTOLUENE (P-CUMENE) | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| N-BUTYLBENZENE | 5.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| METHYL TERT.BUTYL ETHER (MTBE) | 10.0 ug/l | 0.5 ug/l | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

CONT. - CONTAMINANT

ND - NOT DETECTED

* - WELL NOS. 1, 4, 5, 6, 7 ARE COMBINED THROUGH COMMON SUCTION

() - NUMBER OF SAMPLES COLLECTED AND TESTED DURING THE YEAR

supply well to contamination is dependent upon both the presence of potential sources of contamination within the well's contributing area and the likelihood that the contaminant can travel through the environment to reach the well. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See the section entitled "Water Quality" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

Our drinking water is derived from five (5) wells. The source water assessment has rated one (1) of the wells as having a very high susceptibility to industrial solvents. The elevated susceptibility to industrial solvents and nitrates is due primarily due to the shallow depth of Well No. 1 and due to point sources of contamination related to commercial/industrial facilities and related activities in the assessment area. In addition, the high susceptibility to nitrates is also attributable to unsewered residential land use and related practices in the assessment area, such as fertilizing lawns.

A copy of the assessment, including a map of the assessment area, can be obtained by contacting the District Office.

WATER QUALITY

In accordance with State regulations, the Oyster Bay Water District routinely monitors your drinking water for numerous parameters. We test your drinking water for coliform bacteria, turbidity, inorganic contaminants, lead and copper, nitrate, volatile organic contaminants, total trihalomethanes and synthetic organic contaminants. Over 135 separate parameters are tested for in each of our wells numerous times per year. The table presented on page 3 depicts which parameters or contaminants were detected in your drinking water. It should be noted that many of these parameters are naturally found in all Long Island drinking water and do not pose any adverse health affects.

WATER SYSTEM IMPROVEMENTS

The District is continuing with a Capital Improvement Program to rehabilitate existing equipment and facilities to ensure that the District is able to supply a safe and reliable source of drinking water and sufficient pumping capacity for fire flow protection.

The Water District is planning several new capital improvement projects in 2006. Details of these projects are highlighted in the enclosed District Newsletter.

Copies of a Supplemental Data Package, which includes the water quality data for each of our supply wells utilized during 2005, are available at the Oyster Bay Water District office located at 45 Audrey Avenue, Oyster Bay, New York and the local Public Library.

We at Oyster Bay Water District work around the clock to provide top quality water to every tap throughout the community. We ask that all our customers help us protect our water resources, which are the heart of our community, our way of life and our children's future.