# NOB HILL WATER ASSOCIATION
# 2013 ANNUAL WATER QUALITY REPORT

Nob Hill Water Association is pleased to submit our annual Water Quality Report to you, our members. This report contains information about the overall condition of your drinking water. We hope you find this information helpful and informative. We encourage you to take a few minutes to review it.

Nob Hill Water is committed to providing our members with high quality drinking water. If you have any questions, comments or suggestions about this report, please contact our office at 966-0272.

## About this report...

The federal Safe Drinking Water Act requires that water systems provide their customers with annual reports on the quality of their drinking water. Nob Hill Water is pleased to comply.

In this issue you will find information on:

♦ Sources of our water
♦ Water test results
♦ Water quality contact information

### For more water quality information:

EPA Safe Drinking Water Hotline
(800) 426-4791  www.epa.gov/safewater
Washington State Dept. of Health
509-456-3115   www.doh.wa.gov/ehp/dw

## WATER SAMPLE RESULTS

The Federal Safe Drinking Water Act (SDWA) of 1996 requires water utilities to produce an annual water quality report on testing and results. The opposite page contains a summary of the latest test results of Nob Hill's water by an independent certified laboratory. The SDWA directs the U.S. Environmental Protection Agency to establish national drinking water standards. In the State of Washington, this program is managed by the State Department of Health. There are two categories of standards: PRIMARY and SECONDARY. Primary standards are set to protect your health. Secondary standards are set for aesthetic qualities such as appearance, taste, odor and color. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the **Environmental Protection Agency Safe Drinking Water Hotline at (800) 426-4791**. If you have questions or comments about this report, please call our office.
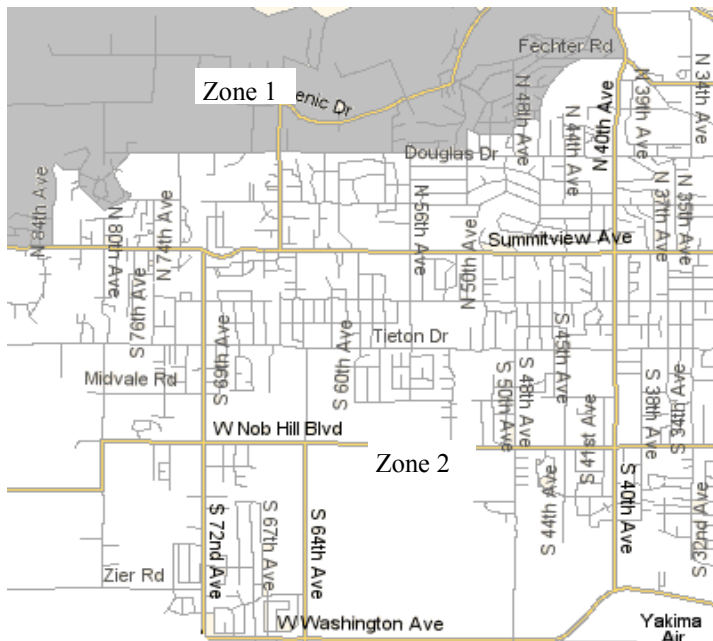


The Nob Hill Water distribution system is divided into 2 zones. (See Map) Residents in Zone 1 get their water from Well #3. Residents in Zone 2 get their water from a combination of up to 4 wells.

All of our water comes from deep wells. It is pumped from the well, treated with chlorine for disinfection and then fed directly into the system or into one of our reservoirs for storage. We pump an average of 2 million gallons per day in the winter and 7 million gallons per day in the summer.

## SPECIAL INFORMATION

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, persons with HIV/AIDS or other immune systems disorders, some elderly persons and infants can be particularly at risk from infections. These people should seek advice from their health care provider about drinking water.

# PRIMARY STANDARDS / HEALTH RELATED STANDARDS

|  |  | ZONE 1 | ZONE 2 |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| INORGANICS | MCL | WELL #3 | WELL #1 | WELL #2 | WELL #5 | WELL #7 | UNITS | Major sources listed by EPA |
| Antimony | 0.006 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Arsenic | 0.05 | ND | .0021 | ND | ND | ND | mg/L | Erosion of natural deposits |
| Barium | 2 | .016 | .01 | .016 | .009 | .012 | mg/L | Erosion of natural deposits |
| Beryllium | 0.004 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Cadmium | 0.005 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Chromium | 0.1 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Lead◆ | 0.015 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Mercury | 0.002 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Nickel | 0.1 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Selenium | 0.05 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Silver | 0.05 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Sodium | ** | 33.3 | 42 | 34.2 | 10.0 | 8.63 | mg/L | Erosion of natural deposits |
| Thallium | 0.002 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Cyanide | 0.2 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| Nitrate | 10 | ND | 1.42 | .13 | .53 | .32 | mg/L | Erosion of natural deposits |
| Nitrite | 1 | ND | ND | ND | ND | ND | mg/L | Erosion of natural deposits |
| **RADIONU-CLIDES** |  |  |  |  |  |  |  |  |
| Gross Alpha | 15[1] | ND | ND | ND | ND | ND | pCi/L | Erosion of natural deposits |
| Gross Beta | 50 | ND | 7 | ND | 4 |  | pCi/L | Erosion of natural deposits |
| Radium 228 | 5 | ND | ND | ND | ND | ND | pCi/L | Erosion of natural deposits |

[1] - Excluding Uranium

# SECONDARY STANDARDS / AESTHETIC STANDARDS

| | MCL | WELL #3 | WELL #1 | WELL #2 | WELL #5 | WELL #7 | UNITS | Major sources |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Copper◆ | 1.3 | .00925 | .0039 | .00755 | ND | ND | mg/L | Erosion of natural deposits |
| Iron | 0.3 | .112 | ND | .114 | ND | ND | mg/L | Erosion of natural deposits |
| Manganese | 0.05 | .0288 | ND | 0.0277 | ND | ND | mg/L | Erosion of natural deposits |
| Zinc | 5 | ND | ND | ND | ND | .0108 | mg/L | Erosion of natural deposits |
| Chloride | 250 | 6.26 | 7.79 | 7.01 | 1.70 | 1.29 | mg/L | Erosion of natural deposits |
| Fluoride | 4 | 1.03 | .94 | 1.04 | .34 | .28 | mg/L | Erosion of natural deposits |
| Sulfate | 250 | ND | 9.4 | .47 | 3.12 | 1.82 | mg/L | Erosion of natural deposits |
| **PHYSICAL PARAMETERS** |  |  |  |  |  |  |  |  |
| Hardness | ** | 61.3 | 47.7 | 64.3 | 51.5 | 55.1 | mg/L as CaCO3 |  |
| Conductivity | 700 | 240 | 306 | 253 | 164 | 151 | Micromhos/cm 25 deg |  |
| Turbidity | 1 | ND | ND | ND | 0.18 | .22 | NTU |  |
| Color | 15 | ND | ND | ND | 5 | ND | Color Units |  |
| Total Dissolved Solids | 500 | 166 | 210 | 186 | 134 | 126 | Mg/l | Erosion of natural deposits |

Hardness note: To figure grains of hardness, divide mg/L by 17. Nob Hill's water averages approximately 3.5 grains.

| **UNREGU-LATED** | MCL | WELL #3 | WELL #1 | WELL #2 | WELL #5 | WELL #7 | UNITS | Major sources |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Magnesium | ** | 5.55 | 4.42 | 5.8 | 4.98 | 5.87 | mg/L | Erosion of natural deposits |
| Calcium | ** | 15.4 | 11.8 | 16.2 | 12.4 | 12.4 | mg/L | Erosion of natural deposits |

## ORGANICS

Volatile Organic Chemicals - 61 chemicals tested - none detected

Synthetic Organic Chemicals - none detected

### DISINFECTION BY-PRODUCTS

| | MCL | | |
| --- | --- | --- | --- |
| Trihalomehtnes | 80 | distribution system average 2.8 PPB | by product of chlorination |
| Haloaletic Acids | 60 | distribution system average 0.3 PPB | by product of chlorination |

**BACTERIO-LOGICAL** Coliform

360 system samples were tested for coliform bacteria. One sample tested positive for total coliform. It tested negative for E coli. All repeat samples tested negative for total coliform.

Naturally present in the Environment

## ABBREVIATIONS AND DEFINITIONS:

MCL-Maximum Contaminate Level—The highest level of a contaminant that is allowed in drinking water.

Mg/L-Milligrams per liter (1mg/L = 1 PPM    pCi/L - Picocuries per liter    PPB– Parts per Billion

ND– None detected    NTU - Nephelometric Turbidity Unit

** - No standard has been set    ◆ - Federal Action Level, not MCL