

**King Water Company**  
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January 20, 2024

**Routine Work for Sky Meadows Community**

On Mondays and Fridays we drive through the system checking for leaks and anything unusual. In addition, we:

1. Read the master meter and record the usage. We calculate the average daily usage, which can be indicative of a leak if there is an abnormal jump in usage.
2. Take a monthly water sample and have it tested for coliform bacteria.
3. Maintain the filtration, supply chemicals and check levels of manganese weekly.
4. Flush the blow offs to clean out the water lines, as needed.
5. Respond to all complaints concerning water problems in the community.
6. Take all required testing for the state or county health department. Act as the primary interface with the respective departments.
7. Maintain all paperwork required by the state or county.
8. Check well pumping rates.
9. Order materials and repair leaks and equipment as needed.
10. Write the consumer confidence report.
11. Schedule and perform reservoir cleaning.
12. Write and submit water use efficiency report

In addition to the above, the following may be of interest:

May 2023

Cleaned Reservoir

June 2023

Repair leak @ 636 N Sky Meadows.  
Replace check valve on booster pump.

July 2023

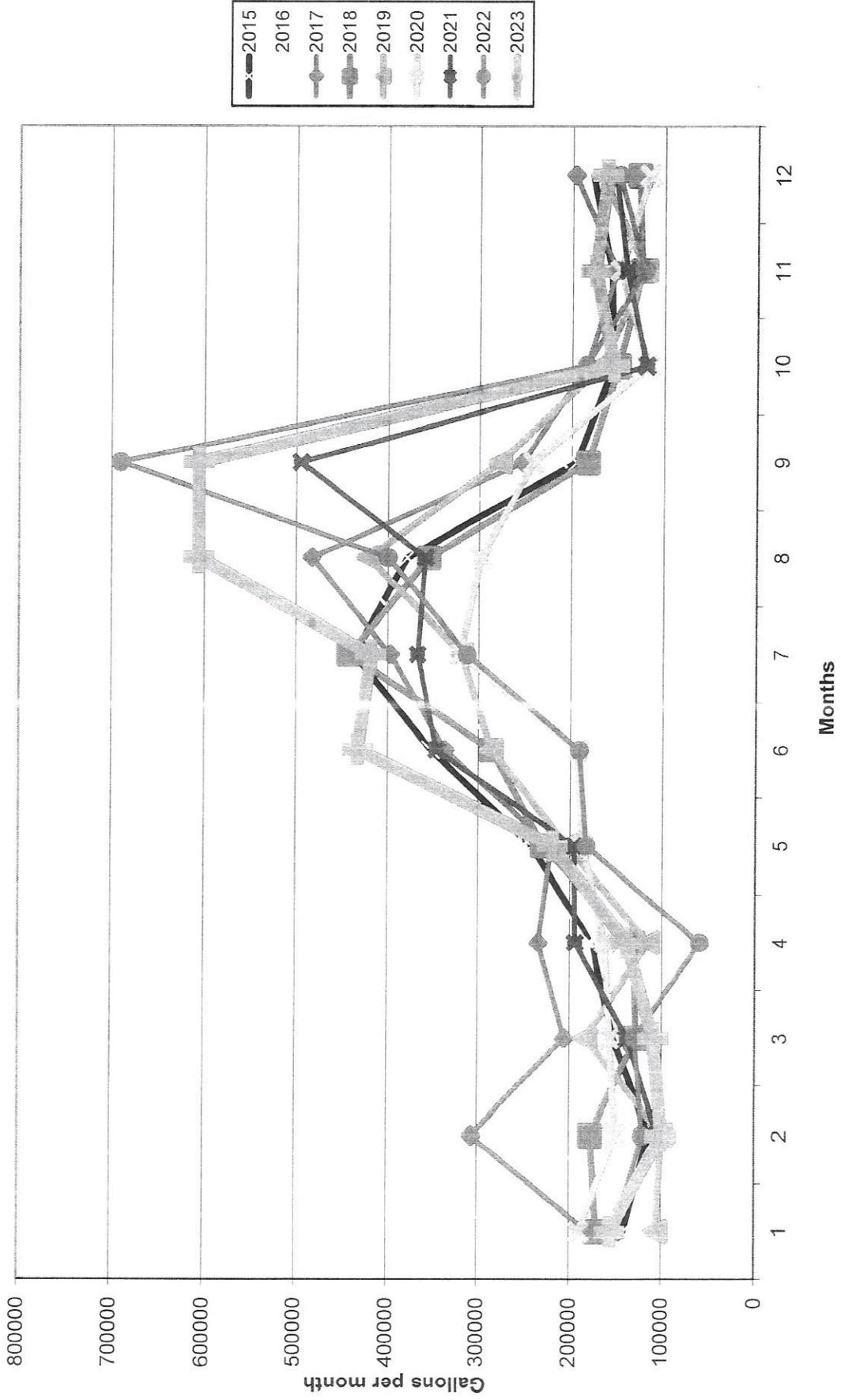
Service Chemical injection system.  
Acid wash pot perm vat  
Call out for no water. Found system at 4' and boosters would not turn on. Bled air out to pumps and aired up tanks.

November 2023

Replaced foot valve and chlorine line.  
Cleaned chlorine vat.

Sincerely,  
King Water Company

# Sky Meadows - Monthly Water Usage



Sky Meadows Community Assoc. presents herein our annual Water Quality Report (known as a “Consumer Confidence Report”), as required by the Federal Safe Drinking Water Act (SDWA). Sky Meadows Community Assoc. is committed to providing you with water that meets or exceeds all state and federal drinking water standards. This report sets out where our water comes from, what the current year tests show about it, and other information that you may wish to know about drinking water.

**WATER SOURCE**

Our system pumps groundwater from an Island County aquifer, and transmits the water to the reservoir. The water is not chlorinated. It is filtered to remove the majority of any iron and manganese in the water. The reservoir was again cleaned this year; it is our intent to continue with a regular cleaning schedule. If you experience any extended deterioration in water quality please call King Water and they will flush the lines.

King Water Company performs water system management and operations, is responsible for all water testing and ensures compliance with all federal, state and county standards. King Water is a state certified Satellite Management Agency. For more information, about this report, or for any questions you may have about your drinking water, please contact Nathan Driscoll at King Water (telephone 888-241-2503 or 360-678-5336).

**WATER QUALITY TABLE**

**Terminology**

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.

Maximum Contaminant Level (MCL) - the highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLGs as feasible using the best available treatment technology.

Action Level (AL) – the concentration of a contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

Parts per million (ppm) or Milligrams per liter (Mg/l) – one part per million corresponds to one minute in 2 years or one penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter (Ug/l) – one part per billion corresponds to one minute in 2,000 years or one penny in \$10,000,000.

The information set out below is based on tests conducted during the year. Terms used in the Water Quality Table and in other parts of this report are defined above.

Contaminant	Test Date	Unit	MCL	MCLG	Result	Source	Violation
Bacteria	Monthly	N/A	N/A	N/A	All passed	Naturally present	No
Iron (Well #1)	August	Mg/l	0.3	0.3	ND	Erosion of natural deposits	No
Iron (Well #2)	August	Mg/l	0.3	0.3	ND	Erosion of natural deposits	No
Manganese (Well #1)	August	Mg/l	0.05	0.05	0.0350	Erosion of natural deposits	No
Manganese (Well #2)	August	Mg/l	0.05	0.05	0.0360	Erosion of natural deposits	No
Nitrate	August	Mg/l	10	10	0.84	Runoff – fertilizers, natural deposits, septic tanks	No

**Nitrates in Water**

Nitrates in drinking water at levels above 10 ppm are considered to be a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity.

**Arsenic in Water**

Your drinking water currently meets EPA’s revised drinking water standards for arsenic. However, it does contain low levels of arsenic, compared to the state MCL of 10 ppb. There is a small chance that some people who drink water containing low levels of arsenic for many years could develop circulatory disease, cancer, or other health problems. Most types of cancer and circulatory disease are due to factors other than exposure to arsenic. The EPA’s standard balances the current understanding of arsenic’s health effects against the cost of removing arsenic from drinking water.

**EXPLANATION OF VIOLATIONS**

We are pleased to report that there were no violations in 2023

**Iron and Manganese**

Typical of much of the Island’s water, our water contains elevated levels of Iron and Manganese, which are abundant in the rocks and soils in the area. These are secondary contaminants and the US EPA has not mandated treatment to reduce the levels of contamination. Scientific findings suggest that the levels found pose no threat to human health. Manganese and iron are considered to be an aesthetic problem. At sufficient concentrations, iron can adversely affect the taste of water and can leave rust-colored stains on laundry, plumbing fixtures and porcelain. Manganese can cause similar problems, has a bitter metallic taste and may leave black “specks” in ice cubes. Manganese can also produce staining and cause water to have a brown or black discoloration.

The treatment system we have should remove the majority of iron and manganese present in our system. King Water periodically tests the water for iron and manganese, to ensure that the treatment system is working properly.

**Conductivity and Chlorides**

The system is tested twice a year for conductivity and chlorides; this is to ensure that our water source is not being contaminated by salt water. Levels are set out below:

Contaminant	Test Date	Unit	MCL	MCLG	Result	Source
<b>Well #1</b>						
Chloride	April & Aug	Mg/l	250	250	110/104	Salt water or natural deposits
Conductivity	April & Aug	Umhos/cm	700	700	1310/1240	
<b>Well #2</b>						
Chloride	April & Aug	Mg/l	250	250	58.5/103	Salt water or natural deposits
Conductivity	April & Aug	Umhos/cm	700	700	840/1250	

**Lead and Copper**

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Your water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Five houses were checked for lead and copper content in the water in April and five were done in August. Results showed very low levels – lead was hardly detected and copper levels were below 0.0574 which is below the state AL of 1.3 ppm.

Results are shown below.

**April Results:**

MCL	Contaminant	Site #1	Site #2	Site #3	Site #4	Site #5	Violation
1.3 Mg/l	Copper	0.0861	0.0696	0.055	0.160	0.206	No
0.015 Mg/l	Lead	ND	0.0010	ND	ND	0.0019	No
<b>August Results</b>							
MCL	Contaminant	Site #1	Site #2	Site #3	Site #4	Site #5	Violation
1.3 Mg/l	Copper	0.133	0.040	0.950	0.083	0.271	No
0.015 Mg/l	Lead	0.0015	ND	ND	0.0013	ND	No

**Repairs and maintenance - Shared responsibilities**

Sometimes problems occur associated with snow, freezing weather, heavy rains and flooding – all of which can cause water pipes to break and necessitate the need to get the water turned off in an emergency. Please remember that it is the responsibility of your water system (the purveyor) to deliver safe drinking water to your property. As a rule, this responsibility stops at the meter or shut off valve – usually located at, or close to, the property line. However, **it is the responsibility of the home owner to know where their shut off valve is located and keep the area clear and readily accessible.**

**Substances expected to be in Drinking Water**

To ensure that tap water meets acceptable drinking standards, the US EPA prescribes regulations limiting the amount of certain contaminants that may be in drinking water. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some of these contaminants. However, their presence does not necessarily mean that the water poses a health risk. Such substances may include:

Microbial contaminants, such as bacteria and viruses, which may come from sewage treatment plants, septic systems agricultural livestock or wildlife. These are tested for monthly.

Inorganic contaminants, such as salts and metals, which can be naturally occurring or may result from urban storm water runoff, industrial or domestic wastewater discharges, mining or farming. These are tested for based on a schedule prescribed by the state Department of Health (DOH); they include nitrates, which are tested for annually.

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, storm water runoff and residential uses. These are tested for based on a schedule prescribed by the DOH.

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes, gas stations, storm water runoff and septic systems. These are tested for based on a schedule prescribed by the DOH.

Radioactive contaminants, which are usually naturally occurring. These are tested for based on a schedule prescribed by the DOH.

**ADDITIONAL HEALTH INFORMATION**

Some people may be more vulnerable to contaminants in drinking water than the general population. They include immuno-compromised persons such as persons with cancer, those undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, the elderly and infants, who can be particularly at risk from infections. These people should seek advice from their health care providers before drinking any water. More information about EPA/CDC guidelines to lessen the risk of infection by *Cryptosporidium*, other contaminants and potential health effects can be obtained by calling the Environmental Protection Agency Safe Drinking Water Hotline (800-426-4791).

**ANNUAL WATER USE EFFICIENCY REPORT**

The State legislature directed the Department of Health (DOH) to adopt an enforceable **Water Use Efficiency** (WUE) program, which became effective January 22, 2007. All Group A water systems, as defined in the Law, are required to comply and the first annual Water Use Efficiency report was due by July 1, 2011.

For the 12 months ended December 31, 2023 the amount of water pumped by our water system was 2,672,780 gallons (2,446,240 gallons in 2022), an average of 236 gallons (216 in 2022) per house per day.

A summary of our water usage follows:

Water Pumped	House meters	Backwash	Flushing & reservoir cleaning	Authorized Consumption	Net Loss	Loss %
2,672,780	1,856,197	383,275	100,000	2,339,472	333,308	13%

**Important Notice:**

*Water services in your water system may have been installed with, or upgraded to include, a check valve that helps protect the water system from a backflow event. This occurs when a drop in pressure in the mains allows water to be drawn into the mains from the service connection; as a result the system water can be contaminated.*

*The installation of the check valve causes the home to become a “closed system” and makes it susceptible to damage caused by thermal expansion of the water. This is a potentially dangerous condition caused by your water heater overheating and excessive pressure build up from a malfunction of the pressure relief valve on the heater. Please ensure that your water heater has been properly installed with working protection devices (T&P valve and expansion tank); if in doubt, consult with your plumber.*