

2011 Water Quality Report for the Wild Wings Community



County of Yolo

**PLANNING, RESOURCES AND PUBLIC WORKS
DEPARTMENT**

292 W Beamer St
Woodland, CA 95695

2011 Consumer Confidence Report

Water System Name: Wild Wings Community Water System Report Date: June 1, 2012

We test the drinking water for many constituents as required by state and federal regulations. This report shows the monitoring results for the reporting period of January 1 - December 31, 2011.

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

Type of water source(s) in use:	Groundwater Well
Name & location of source(s):	Pintail Well Woodland, CA 95695, The Canvasback well (stand-by), was not used for domestic supply in 2011.
Drinking Water Source Assessment information:	An assessment was performed in 2004. A copy of the completed assessment may be viewed at: Yolo County Public Works, 292 W Beamer St, Woodland, CA 95695
Time and place of regularly scheduled board meetings for public participation:	N/A
For more information, contact:	Regina Espinoza – CSA Manager (530) 666-8725

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically 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 are set by the U.S. Environmental Protection Agency (USEPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the beneficial use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health, including their monitoring, reporting, and water treatment requirements.

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

Secondary Maximum Contaminant Level (SMCL): are set to protect the aesthetic properties (taste, odor, appearance) of drinking water. SMCLs for contaminants are not health based.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

ND: not detectable at testing limit

ppm: parts per million or milligrams per liter (mg/L)

ppb: parts per billion or micrograms per liter (ug/L)

ppt: parts per trillion or nanograms per liter (ng/L)

pCi/L: picocuries per liter (a measure of radiation)

Tables 1, 2, 3, 4, and 5 list all of the drinking water contaminants that were detected during the year of most recent sampling for that constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

TABLE 1 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Substance (and reporting units)	Year Sampled	Avg. Amount Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Arsenic (ppb) ¹	5/12/11	8	N/A	10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Fluoride (ppm)	5/12/11	0.2	N/A	2.0	1	Erosion of natural deposits; discharge from fertilizer and aluminum factories

DISTRIBUTION SYSTEM MONITORING

Chlorine (ppm)	2011	0.95	0.6 – 1.4	[4.0]	[4.0]	Drinking water disinfectant
Haloacetic Acids (ppb)	5/12/11	3.2	2.7 – 3.7	60	NA	By-product of drinking water disinfection
TTHMs [Total Trihalomethanes] (ppb)	5/12/11	3.4	3.4	80	N/A	By-product of drinking water disinfection

TABLE 2 – SAMPLING RESULTS FOR SODIUM AND HARDNESS

Substance (and reporting units)	Year Sampled	Avg. Amount Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	5/12/11	175	N/A	N/A	N/A	Naturally occurring salt that forms by dissolution of minerals.
Hardness (ppm)	5/12/11	27	N/A	N/A	N/A	Sum of polyvalent cations present in the water, (generally magnesium and calcium), that are usually naturally occurring

TABLE 3 – SAMPLING RESULTS OF LEAD AND COPPER

Lead and Copper (Sampled in 2009)	Action Level	PHG	No. of Samples Collected	90 th percentile level detected	No. sites exceeding AL	Typical Source of Contaminant
Lead (ppb)	15	0.2	22	2	0	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	1.3	0.3	22	0.056	0	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 4 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Substance (and reporting units)	Year Sampled	Avg. Amount Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Chloride (ppm)	5/12/11	38	N/A	500	N/A	Runoff/leaching from natural deposits; seawater influence
Manganese (ppb)	5/12/11	19	N/A	50	N/A	Leaching from natural deposits
Sulfate (ppm)	5/12/11	55	N/A	500	N/A	Runoff/leaching from natural deposits; industrial wastes
Specific Conductance (umhos)	5/12/11	820	N/A	1,600	N/A	Substances that form ions when in water; seawater influence
Total Dissolved Solids (TDS) (ppm)	5/12/11	490	N/A	1,000	N/A	Runoff/leaching from natural deposits

TABLE 5 – DETECTION OF UNREGULATED CONTAMINANTS

Substance (and reporting units)	Year Sampled	Avg. Amount Detected	Range of Detections	Notification Level	Health Effects Language
Boron (ppm)	5/12/11	1.71	N/A	1.0	The babies of some pregnant women who drink water containing boron in excess of the Notification Level may have an increased risk of developmental effects, base on studies in laboratory animals.

**Any violation of an MCL, MRDL, or TT is asterisked.*

¹While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic’s possible health effects against the cost of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material. It can also pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the USEPA and the California Department of Public Health (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Contaminants that may be present in source water include

- *Microbial contaminants*, (such as viruses and bacteria) May come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, (such as salts and metals) Can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*: May come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, (including synthetic and volatile organic chemicals): Are products/ by-products of industrial processes and petroleum production that may come from dry cleaners, gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*: Can be naturally-occurring or may result from industrial processes, oil and gas production or mining activities.

Additional General Information on Drinking Water

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 USEPA’s Safe Drinking Water Hotline (1-800-426-4791).

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, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA and the Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Source Water Protection Tips for Consumers

Protection of drinking water is everyone’s responsibility. You can help protect the public water supply in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides – they contain hazardous chemicals that can reach your drinking water source
- Pick up after your pets
- Dispose of chemicals properly – take used motor oil to a recycling center
- Do not dispose of unused medications down the drain
- Use environmentally friendly soaps and detergents when washing your vehicles