

# 2014 Consumer Confidence Report

Water System Name: Banning Heights Mutual Water Co. Report Date: June 2, 2015

*We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2014 and may include earlier monitoring data.*

**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: Surface and Groundwater

Name & general location of source(s): Surface Water originates within the Whitewater River watershed area. South Fork and East Fork diversions are located at 7200' elevation within the San Bernardino National forest area. Groundwater sources are located within the Banning Bench Basin. Well #1 is located on Pump House Rd., and well #5 is located on Mesa St.

Drinking Water Source Assessment information: Our Source Water Assessment report was revised in 2015 and is on file at the company office located at 7091 Bluff Rd. Banning CA. Overall assessment indicated that our "surface" water has a very "low" risk of human contamination due to the location of the conveyance system and very rugged terrain. The potential for contamination to our "ground" water would be from agriculture and septic tank run-off impacting current nitrate levels. Detected amounts have not increased in recent years.

Time and place of regularly scheduled board meetings for public participation: Board Meetings are held on the second Monday of each month at 789 N. San Gorgonio Ave, Banning Ca 92220

For more information, contact: John Covington or Ken Falls Phone: (951) 849-2540

## 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. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

**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.

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

**Secondary Drinking Water Standards (SDWS):** MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

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

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

**Variations and Exemptions:** State Board permission to exceed an MCL or not comply with a treatment technique

**Maximum Residual Disinfectant Level (MRDL):**

The highest level of a disinfectant allowed in drinking water. There is convincing 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 benefits of the use of disinfectants to control microbial contaminants.

under certain conditions.

**ND:** not detectable at testing limit

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

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

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

**ppq:** parts per quadrillion or picogram per liter (pg/L)

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

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, and can pick up substances resulting from the presence of animals or from human activity.

**Contaminants that may be present in source water include:**

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that 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*, that 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, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

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

Tables 1, 2, 3, 4, 5, 7, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board 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 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA**

| Microbiological Contaminants<br>(complete if bacteria detected) | Highest No. of Detections | No. of months in violation | MCL  | MCLG | Typical Source of Bacteria           |
|---|---------------------------|----------------------------|--|------|--------------------------------------|
| Total Coliform Bacteria   | (In a mo.)                | 0                          | More than 1 sample in a month with a detection   | 0    | Naturally present in the environment |
| Fecal Coliform or <i>E. coli</i>                                | (In the year)             | 0                          | A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i> | 0    | Human and animal fecal waste         |

**TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER**

| Lead and Copper<br>(complete if lead or copper<br>detected in the last sample set) | Sample<br>Date  | No. of<br>samples<br>collected | 90 <sup>th</sup><br>percentile<br>level<br>detected | No. sites<br>exceeding<br>AL | AL      | PHG | Typical Source of Contaminant   |
|--|-----------------|--------------------------------|---|------------------------------|---------|-----|---|
| Lead (ppb)   | October<br>2014 | 10                             | 5.1<br>ppb  | 0                            | 15 ppb  | 0.2 | Internal corrosion of household<br>water plumbing systems;<br>discharges from industrial<br>manufacturers; erosion of natural<br>deposits |
| Copper (ppm)   | October<br>2014 | 10                             | .190<br>ppm   | 0                            | 1.3 ppm | 0.3 | Internal corrosion of household<br>plumbing systems; erosion of<br>natural deposits; leaching from<br>wood preservatives                  |

**TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS**

| Chemical or Constituent<br>(and reporting units) | Sample<br>Date             | Level<br>Detected | Range of<br>Detections | MCL  | PHG<br>(MCLG) | Typical Source of Contaminant   |
|--|----------------------------|-------------------|------------------------|------|---------------|---|
| Sodium (ppm)                                     | March<br>2013/June<br>2014 | 11.7<br>ppm       | 5.1-17<br>ppm          | none | none          | Salt present in the water and is<br>generally naturally occurring   |
| Hardness (ppm)                                   | March<br>2013/June<br>2014 | 108 ppm           | 95-120 ppm             | none | none          | Sum of polyvalent cations present<br>in the water, generally magnesium<br>and calcium, and are usually<br>naturally occurring |

\*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

**TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD**

| Chemical or Constituent<br>(and reporting units) | Sample<br>Date         | Level<br>Detected | Range of<br>Detections | MCL<br>[MRDL] | PHG<br>(MCLG)<br>[MRDLG] | Typical Source of Contaminant   |
|--|------------------------|-------------------|------------------------|---------------|--------------------------|---|
| Gross Alpha pCi/L                                | March/<br>June<br>2014 | 1.66 pCi/L        | 1.09-2.53 pCi/L        | 15 pCi/L      | N/A                      | Erosion of Natural Deposits   |
| Uranium pCi/L                                    | June<br>2014           | .787 pCi/L        | .787 pCi/L             | 20 pCi/L      | .43                      | Erosion of Natural Deposits   |
| Radium 226 pCi/L                                 | June<br>2014           | .032 pCi/L        | .032 pCi/L             | 5 pCi/L       | .05 pCi/L                | Erosion of Natural Deposits   |
| Radium 228 pCi/L                                 | June<br>2014           | .164 pCi/L        | .164 pCi/L             | 15 pCi/L      | .019 pCi/L               | Erosion of Natural Deposits   |
| Nitrates Mg/L                                    | June<br>2014           | 11.6 Mg/L         | 0-20 Mg/L              | 45 Mg/L       | 45 Mg/L                  | Run off or leaching of fertilizer,<br>septic tanks, sewage, and erosion of<br>natural deposits.                                     |
| Fluoride Mg/L                                    | March/<br>June<br>2014 | .5 Mg/L           | .4 -.6 Mg/L            | 2.0<br>Mg/L   | 1.0 Mg/L                 | Erosion of natural deposits. Water<br>additive which promotes strong<br>teeth. Discharge from fertilizer and<br>aluminum factories. |
| Total Trihalomethanes<br>ug/l                    | August<br>2014         | 21 ug/l           | 20-22 ug/l             | 80 ug/l       | N/A                      | Byproduct of drinking water<br>disinfection. Causes liver, kidney,<br>or central nervous system damage.<br>Increase risk of cancer. |
| Haloacetic Acids                                 | August<br>2014         | 4 ug/l            | 3.2-4.8 ug/l           | 60 ug/l       | N/A                      | Byproduct of drinking water<br>disinfection. Causes liver, kidney,<br>or central nervous system damage.<br>Increase risk of cancer. |

| <b>TABLE 5 – DETECTION OF CONTAMINANTS WITH A <u>SECONDARY</u> DRINKING WATER STANDARD</b> |                    |                       |                            |              |                   |   |
|--|--------------------|-----------------------|----------------------------|--------------|-------------------|---|
| <b>Chemical or Constituent<br/>(and reporting units)</b>                                   | <b>Sample Date</b> | <b>Level Detected</b> | <b>Range of Detections</b> | <b>MCL</b>   | <b>PHG (MCLG)</b> | <b>Typical Source of Contaminant</b>                        |
| Color- Units   | <b>March 2013</b>  | <b>3.3 units</b>      | <b>0.5.0 units</b>         | 15 units     | N/A               | Naturally Occurring   |
| Specific Conductance umho/cm   | <b>June 2014</b>   | <b>200 umho/cm</b>    | <b>200 umho/cm</b>         | 1600 umho/cm | N/A               | Substances that form ions when in water: seawater influence |
| Total Dissolved Solids Mg/L  | <b>June 2014</b>   | <b>100 Mg/L</b>       | <b>100 Mg/L</b>            | 500 Mg/L     | N/A               | Run off leaching from natural deposits                      |
| Sulfate Mg/L   | <b>June 2014</b>   | <b>6.0 Mg/L</b>       | <b>6.0 Mg/L</b>            | 500 Mg/L     | N/A               | Run off leaching from natural deposits                      |
| Turbidity NTU  | <b>June 2014</b>   | <b>3.3 NTU</b>        | <b>3.3 NTU</b>             | 5 NTU        | N/A               | Soil runoff   |

\*Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

### **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/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).

Lead-Specific Language for Community Water Systems: 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. [INSERT NAME OF UTILITY] 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>.

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**Summary Information for Violation of a MCL, MRDL, AL, TT,  
or Monitoring and Reporting Requirement**

| <b>VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT</b> |                    |                 |   |                                |
|--|--------------------|-----------------|---|--------------------------------|
| <b>Violation</b>   | <b>Explanation</b> | <b>Duration</b> | <b>Actions Taken to Correct the Violation</b> | <b>Health Effects Language</b> |
| <b>NONE</b>  |                    |                 |   |                                |
|  |                    |                 |   |                                |

**For Water Systems Providing Ground Water as a Source of Drinking Water**

| <b>TABLE 7 – SAMPLING RESULTS SHOWING<br/>FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES</b> |                                    |                         |                       |                                   |                                      |
|--|------------------------------------|-------------------------|-----------------------|-----------------------------------|--------------------------------------|
| <b>Microbiological Contaminants<br/>(complete if fecal-indicator detected)</b>                     | <b>Total No. of<br/>Detections</b> | <b>Sample<br/>Dates</b> | <b>MCL<br/>[MRDL]</b> | <b>PHG<br/>(MCLG)<br/>[MRDLG]</b> | <b>Typical Source of Contaminant</b> |
| <i>E. coli</i>   | (In the year)<br>0                 | N/A                     | 0                     | (0)                               | Human and animal fecal waste         |
| Enterococci  | (In the year)<br>0                 | N/A                     | TT                    | n/a                               | Human and animal fecal waste         |
| Coliphage  | (In the year)<br>0                 | N/A                     | TT                    | n/a                               | Human and animal fecal waste         |

**Summary Information for Fecal Indicator-Positive Ground Water Source Samples,  
Uncorrected Significant Deficiencies, or Ground Water TT**

| <b>SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE</b> |                    |                 |   |                                |
|--|--------------------|-----------------|---|--------------------------------|
| None   |                    |                 |   |                                |
|  |                    |                 |   |                                |
|  |                    |                 |   |                                |
|  |                    |                 |   |                                |
| <b>SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES</b>               |                    |                 |   |                                |
| None   |                    |                 |   |                                |
|  |                    |                 |   |                                |
|  |                    |                 |   |                                |
|  |                    |                 |   |                                |
| <b>VIOLATION OF GROUND WATER TT</b>  |                    |                 |   |                                |
| <b>TT Violation</b>  | <b>Explanation</b> | <b>Duration</b> | <b>Actions Taken to Correct the Violation</b> | <b>Health Effects Language</b> |
| <b>None</b>  |                    |                 |   |                                |
|  |                    |                 |   |                                |

