

## 2022 Consumer Confidence Report

### Water System Information

Water System Name: IID District Village

Report Date: 6/20/2022

Type of Water Source(s) in Use: Well

Name and General Location of Source(s): District Village well at 2400 Imperial Road, Winterhaven

Drinking Water Source Assessment Information: Completed in January, 2002. A copy is available at IID's Water Quality Unit, IID Headquarters.

Time and Place of Regularly Scheduled Board Meetings for Public Participation: See IID website at <https://www.iid.com/government/board-of-directors>

For More Information, Contact: Steve Charlton, 760-339-9143, [scharlton@iid.com](mailto:scharlton@iid.com)

### About This Report

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 to December 31, 2022 and may include earlier monitoring data.

### Importance of This Report Statement in Five Non-English Languages (Spanish, Mandarin, Tagalog, Vietnamese, and Hmong)

Language in Spanish: Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse IID District Village a 2400 Imperial Road, Winterhaven (760) 339-9143 para asistirlo en español.

Language in Mandarin: 这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 [Enter Water System Name] 以获得中文的帮助: 2400 Imperial Road, Winterhaven (760) 339-9143.

Language in Tagalog: Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa IID District Village, 2400 Imperial Road, Winterhaven o tumawag sa (760) 339-9143 para matulungan sa wikang Tagalog.

Language in Vietnamese: Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ IID District Village tại 2400 Imperial Road, Winterhaven (760) 339-9143 để được hỗ trợ giúp bằng tiếng Việt.

Language in Hmong: Tsaab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau IID District Village ntawm 2400 Imperial Road, Winterhaven (760) 339-9143 rau kev pab hauv lus Askiv.

## Terms Used in This Report

| Term   | Definition  |
|--|---|
| Level 1 Assessment                               | A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.   |
| Level 2 Assessment                               | A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an <i>E. coli</i> MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions. |
| 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 (U.S. EPA).  |
| 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.  |
| Primary Drinking Water Standards (PDWS)          | MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.  |
| 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.  |
| Regulatory Action Level (AL)                     | The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.  |
| 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.   |
| Variances and Exemptions                         | Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique 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)   |

## Sources of Drinking Water and Contaminants that May Be Present in Source Water

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 byproducts 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.

## Regulation of Drinking Water and Bottled Water Quality

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Board prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

## About Your Drinking Water Quality

### Drinking Water Contaminants Detected

Tables 1, 2, 3, 4, 5, 6, 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. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

**Table 1. Sampling Results Showing the Detection of Coliform Bacteria**

Complete if bacteria are detected.

| Microbiological Contaminants | Highest No. of Detections | No. of Months in Violation | MCL | MCLG | Typical Source of Bacteria   |
|------------------------------|---------------------------|----------------------------|-----|------|------------------------------|
| <i>E. coli</i>               | (In the year)<br>0        | 0                          | (a) | 0    | Human and animal fecal waste |

(a) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

**Table 2. Sampling Results Showing the Detection of Lead and Copper**

Complete if lead or copper is detected in the last sample set.

| Lead and Copper | Sample Date | No. of Samples Collected | 90 <sup>th</sup> Percentile Level Detected | No. Sites Exceeding AL | AL  | PHG | Typical Source of Contaminant   |
|-----------------|-------------|--------------------------|--|------------------------|-----|-----|---|
| Lead (ppb)      | 8/19-24/21  | 5                        | 0.38                                       | 0                      | 15  | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm)    | 8/19-24/21  | 5                        | 0.0785                                     | 0                      | 1.3 | 0.3 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives               |

**Table 3. Sampling Results for Sodium and Hardness**

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | MCL  | PHG (MCLG) | Typical Source of Contaminant  |
|---|-------------|----------------|---------------------|------|------------|--|
| Sodium (ppm)                                  | 11/3/15     | 175            | 170 – 180           | None | None       | Salt present in the water and is generally naturally occurring                           |
| Hardness (ppm)                                | 11/3/15     | 215            | 210 – 220           | None | None       | Sum of polyvalent cations present in the water, generally magnesium and calcium, and are |

|  |  |  |  |  |  |                             |
|--|--|--|--|--|--|-----------------------------|
|  |  |  |  |  |  | usually naturally occurring |
|--|--|--|--|--|--|-----------------------------|

**Table 4. Detection of Contaminants with a Primary Drinking Water Standard**

| <b>Chemical or Constituent (and reporting units)</b> | <b>Sample Date</b>  | <b>Level Detected</b> | <b>Range of Detections</b> | <b>MCL [MRDL]</b> | <b>PHG (MCLG) [MRDLG]</b> | <b>Typical Source of Contaminant</b>  |
|--|---|-----------------------|----------------------------|-------------------|---------------------------|---|
| Gross Alpha Particle Activity (pCi/L)                | 7/14/20   | 7.365                 | 2.13 – 12.6                | 15                | (0)                       | Erosion of natural deposits   |
| Uranium (pCi/L)                                      | 7/14/20   | 3.675                 | 1.59 – 5.76                | 20                | 0.43                      | Erosion of natural deposits   |
| Radium 226 & 228 (pCi/L)                             | 10/29/19  | 0.101                 | N/A                        | 5                 | (0)                       | Erosion of natural deposits   |
| Arsenic (ppb)<br>Well 1                              | 1/14/22<br>7/20/22<br>10/25/22  | 8.7                   | 8.4-8.9                    | 10                | 0.04                      | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes                      |
| Arsenic (ppb) *<br>Well 2                            | 1/14/22<br>7/20/22<br>10/25/22  | 19.3                  | 14-25                      | 10                | 0.04                      | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes                      |
| Arsenic (ppb)<br>Distribution                        | 1/14/22<br>5/3/22<br>6/28/22<br>7/20/22<br>8/24/22<br>9/28/22<br>10/25/22 | 7.6                   | 6.1-10                     | 10                | 0.04                      | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes                      |
| Barium (ppm)   | 7/14/20   | 0.0275                | 0.022 – 0.033              | 1                 | 2                         | Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits                         |
| Chromium, Total (ppb)                                | 7/14/20   | 0.625                 | 0.55 – 0.70                | 50                | (100)                     | Discharge from steel and pulp mills and chrome plating; erosion of natural deposits                             |
| Copper (ppm)   | 7/14/20   | 0.0102                | 0.0064 – 0.014             | AL=1.3            | 0.17                      | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |
| Fluoride (ppm)                                       | 7/14/20   | 0.475                 | 0.47 – 0.48                | 2.0               | 1                         | Erosion of natural deposits; water  |

|                                |         |      |           |     |    |   |
|--------------------------------|---------|------|-----------|-----|----|---|
|                                |         |      |           |     |    | additive which promotes strong teeth; discharge from fertilizer and aluminum factories  |
| Nitrate (as nitrogen, N) (ppm) | 7/26/22 | ND   | ND        | 10  | 10 | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits   |
| Selenium (ppb)                 | 7/14/20 | 1.7  | 1.3 – 2.1 | 50  | 30 | Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive) |
| Nickel (ppb)                   | 7/14/20 | 2.55 | 2.5 – 2.6 | 100 | 12 | Erosion of natural deposits; discharge from metal factories   |

**Table 5. Detection of Contaminants with a Secondary Drinking Water Standard**

| <b>Chemical or Constituent (and reporting units)</b> | <b>Sample Date</b>  | <b>Level Detected</b> | <b>Range of Detections</b> | <b>SMCL</b> | <b>PHG (MCLG)</b> | <b>Typical Source of Contaminant</b>  |
|--|---------------------|-----------------------|----------------------------|-------------|-------------------|---|
| Color (units)  | 7/14/20             | 3.0                   | ND – 3.0                   | 15          | N/A               | Naturally-occurring organic materials   |
| Copper (ppm)   | 7/14/20             | 10.2                  | 6.4 – 14                   | 1.0         | N/A               | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives |
| Foaming Agents (MBAS) (ppb)                          | 7/14/20             | 0.035                 | 0.03 – 0.04                | 500         | N/A               | Municipal and industrial waste discharges   |
| Iron (ppb)   | 7/20/22<br>10/25/22 | 3480                  | 48 – 16000                 | 300         | N/A               | Leaching from natural deposits; industrial wastes   |
| Manganese (ppb)                                      | 7/14/20             | 28                    | ND – 28                    | 50          | N/A               | Leaching from natural deposits  |
| Turbidity (units)                                    | 7/14/20             | 11.8                  | 7.6 – 16                   | 5           | N/A               | Soil runoff   |
| Zinc (ppm)   | 7/14/20             | 0.0461                | 0.0071 – 0.085             | 5.0         | N/A               | Runoff/leaching from natural deposits; industrial wastes  |
| Total Dissolved Solids (TDS) (ppm)                   | 7/26/22             | 745                   | 740 – 750                  | 1,000       | N/A               | Runoff/leaching from natural deposits   |
| Specific Conductance (uS/cm)                         | 7/14/20             | 1200                  | 1200                       | 1,600       | N/A               | Substances that form ions when in water; seawater influence   |

|                |         |     |           |     |     |   |
|----------------|---------|-----|-----------|-----|-----|---|
| Chloride (ppm) | 7/14/20 | 130 | 130       | 500 | N/A | Runoff/leaching from natural deposits; seawater influence |
| Sulfate (ppm)  | 7/14/20 | 270 | 260 – 280 | 500 | N/A | Runoff/leaching from natural deposits; industrial wastes  |

**Table 6. Detection of Unregulated Contaminants**

| Chemical or Constituent (and reporting units) | Sample Date | Level Detected | Range of Detections | Notification Level | Health Effects |
|---|-------------|----------------|---------------------|--------------------|----------------|
|   |             |                |                     |                    |                |
|   |             |                |                     |                    |                |
|   |             |                |                     |                    |                |

**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 U.S. EPA'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. U.S. EPA/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:** 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. [Enter Water System's Name] 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. [Optional: If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] 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 (1-800-426-4791) or at <http://www.epa.gov/lead>.

**Additional Special Language for Nitrate, Arsenic, Lead, Radon, and *Cryptosporidium*:** [Enter Additional Information Described in Instructions for SWS CCR Document]

**State Revised Total Coliform Rule (RTCR):** [Enter Additional Information Described in Instructions for SWS CCR Document]

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

**Table 7. Violation of a MCL, MRDL, AL, TT or Monitoring Reporting Requirement**

| <b>Violation</b> | <b>Explanation</b>                  | <b>Duration</b>              | <b>Actions Taken to Correct Violation</b>   | <b>Health Effects Language</b>   |
|------------------|-------------------------------------|------------------------------|---|--|
| Arsenic          | Exceedance of Arsenic MCL in Well 2 | January, July, October, 2022 | In development of an automated SCADA blending treatment process between Well 1 and Well 2 to prevent exceedance of the arsenic MCL. | Some people who drink water containing arsenic in excess of the MCL over many years may experience skin damage or circulatory system problems, and may have an increased risk of getting cancer. |
|                  |                                     |                              |   |  |

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

**Table 8. Sampling Results Showing Fecal Indicator-Positive Groundwater Source Samples**

| <b>Microbiological Contaminants (complete if fecal-indicator detected)</b> | <b>Total No. of Detections</b> | <b>Sample Dates</b> | <b>MCL [MRDL]</b> | <b>PHG (MCLG) [MRDLG]</b> | <b>Typical Source of Contaminant</b> |
|--|--------------------------------|---------------------|-------------------|---------------------------|--------------------------------------|
| <i>E. coli</i>   | (In the year)<br>0             | [Enter Dates]       | 0                 | (0)                       | Human and animal fecal waste         |
| Enterococci  | (In the year)<br>0             | [Enter Dates]       | TT                | N/A                       | Human and animal fecal waste         |
| Coliphage  | (In the year)<br>0             | [Enter Dates]       | TT                | N/A                       | Human and animal fecal waste         |

**Summary Information for Fecal Indicator-Positive Groundwater Source Samples, Uncorrected Significant Deficiencies, or Violation of a Groundwater TT**

**Special Notice of Fecal Indicator-Positive Groundwater Source Sample:** [Enter Special Notice of Fecal Indicator-Positive Groundwater Source Sample]

**Special Notice for Uncorrected Significant Deficiencies:** [Enter Special Notice for Uncorrected Significant Deficiencies]

**Table 9. Violation of Groundwater TT**

| Violation         | Explanation         | Duration         | Actions Taken to Correct Violation | Health Effects Language |
|-------------------|---------------------|------------------|------------------------------------|-------------------------|
| [Enter Violation] | [Enter Explanation] | [Enter Duration] | [Enter Actions]                    | [Enter Language]        |
| [Enter Violation] | [Enter Explanation] | [Enter Duration] | [Enter Actions]                    | [Enter Language]        |

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

**Table 10. Sampling Results Showing Treatment of Surface Water Sources**

|   |  |
|---|--|
| Treatment Technique <sup>(a)</sup> (Type of approved filtration technology used)                      | [Enter Treatment Technique]  |
| Turbidity Performance Standards <sup>(b)</sup> (that must be met through the water treatment process) | Turbidity of the filtered water must:<br>1 – Be less than or equal to [Enter Turbidity Performance Standard to Be Less Than or Equal to 95% of Measurements in a Month] NTU in 95% of measurements in a month.<br>2 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded for More Than Eight Consecutive Hours] NTU for more than eight consecutive hours.<br>3 – Not exceed [Enter Turbidity Performance Standard Not to Be Exceeded at Any Time] NTU at any time. |
| Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.                   | [Enter No.]  |
| Highest single turbidity measurement during the year  | [Enter No.]  |
| Number of violations of any surface water treatment requirements                                      | [Enter No.]  |

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

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

**Summary Information for Violation of a Surface Water TT**

**Table 11. Violation of Surface Water TT**

| Violation         | Explanation         | Duration         | Actions Taken to Correct Violation | Health Effects Language |
|-------------------|---------------------|------------------|------------------------------------|-------------------------|
| [Enter Violation] | [Enter Explanation] | [Enter Duration] | [Enter Actions]                    | [Enter Language]        |
| [Enter Violation] | [Enter Explanation] | [Enter Duration] | [Enter Actions]                    | [Enter Language]        |

**Summary Information for Operating Under a Variance or Exemption**

[Enter Additional Information Described in Instructions for SWS CCR Document]

**Summary Information for Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements**

If a water system is required to comply with a Level 1 or Level 2 assessment requirement that is not due to an *E. coli* MCL violation, include the following information below [22 CCR section 64481(n)(1)].

**Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation**

The water system shall include the following statements, as appropriate:

If the water system failed to complete all the required assessments or correct all identified sanitary defects, the water system is in violation of the treatment technique requirement and shall include the following statements, as appropriate:

[For Violation of the Total Coliform Bacteria TT Requirement, Enter Additional Information Described in Instructions for SWS CCR Document]

If a water system is required to comply with a Level 2 assessment requirement that is due to an *E. coli* MCL violation, include the information below [22 CCR section 64481(n)(2)].

**Level 2 Assessment Requirement Due to an *E. coli* MCL Violation**

If a water system failed to complete the required assessment or correct all identified sanitary defects, the water system is in violation of the treatment technique requirement and shall include the following statements, as appropriate:

If a water system detects *E. coli* and has violated the *E. coli* MCL, include one or more the following statements to describe any noncompliance, as applicable:

[If a water system detects *E. coli* and has not violated the *E. coli* MCL, the water system may include a statement that explains that although they have detected *E. coli*, they are not in violation of the *E. coli* MCL.]