

Training Event Summary

Event: Drinking Water Quality Workshop

Intended Audience	Community organizations and leaders	Date and Time	2023.05.25 6:30 - 8pm					
Producer / Facilitator	TreePeople	Event Format	Virtual					
IRWM Region	Upper Santa Clara River	Number of Participants	8					

Event Summary:

This workshop was designed to achieve the following learning objectives for participants: 1) Understand the Upper Santa Clara River Watershed and its drinking water sources. 2) Understand how water gets to the tap. 3) Learn about drinking water quality concerns. 4) Be able to find, read, and understand a consumer confidence report.

The presentation was made by TreePeople staff and included multiple topics:

- 1) Where does our water come from
- 2) Water system governance
- *3)* Water sources and the path to tap
- 4) Common contaminants and
- 5) How to find and read a consumer confidence report.

Participants were surveyed after the event. Key takeaways from participants included: Understanding who my water provider is and where my water is coming from year to year; the need to check tap water for pipe contamination; how to read a report; we are in a large watershed and we are using a lot of groundwater.

Links to additional information were sent to participants after the workshop. A companion event (a tour of the major water treatment plant for region) was held May 13. Due to scheduling conflicts, the tour was held prior to the online workshop.

The workshop presentation slides and event flier continue on the following pages.

WaterTalks Education Series Upper Santa Clara River

WATER talks

Community Workshop and Site Tour

Learn About Water Treatment Firsthand!

Saturday, May 13th 2023 - 10am - 11:30am Site Tour: Rio Vista Water Treatment Plant - Join SCV Water for a special in-person site tour to see how imported water from the State Water Project aqueduct, through Castaic Lake, is treated and managed.

Registration: bit.ly/41doGZc or Scan QR

Thursday, May 25th 2023 - 6:30pm - 8pm Workshop: Indoor Drinking Water Quality: The Path to Tap - Join this virtual workshop to

learn more about the Upper Santa Clara River Watershed, including where your water is sourced, how it gets to your tap, and drinking water quality concerns. We will also cover how to read a consumer confidence report.

Registration: bit.ly/3HvZPYV or Scan QR

Hosted by: TreePeople

*For questions contact abegley@treepeople.org



UPPER SANTA CLARA RIVER









Drinking Water Quality Workshop

May 25, 2023









Land Acknowledgement

We acknowledge that the lands and waters in the Upper Santa Clara River IRWM Region are unceded ancestral homelands of the Tataviam, Chumash, Serrano, and Tongva people.

We gratefully acknowledge the Native Peoples on whose homelands we live and who are the ancestral stewards of the land and water. We make this acknowledgement out of respect for their long-standing connection to and protection of this area's watershed. We recognize that these Tribes are still present in the area along with a large number of displaced indigenous people.

We urge you to learn more about how to engage with tribal communities in your water work and to watch the recordings of the WaterTalks training "Water Training: Allyship with Tribal Communities Workshop" organized by Sacred Places Institute. You can scan this QR code with your phone to view that workshop. Link can also be found in the chat!





What is WaterTalks?

Disadvantaged Community Involvement Program (DACIP) Program designed to generate and increase community involvement in planning a sustainable water future for California





Understand the **Upper Santa Clara River Watershed** and your water sources.



Understand how **water gets to your tap.**

What you will learn



Overview of **drinking water quality** concerns: contaminants and regulations.



Be able to find, read, and **understand your annual water quality report**. What is one way you used water today?

WHERE DOES MY WATER COME FROM?



Water Systems



- 15 + connections or serves 25+ people for at least 60 days of the year.
- State regulated

State Small Water Systems

- 5-14 connections
- Does not regularly serve drinking water to an average of 25+ people daily for more than 60 days out of the year
- Local county environmental health department regulated

Domestic Wells

- Serve up to 4 connections
- Fall outside federal and state regulation.
- Not subject to the same periodic testing and monitoring requirements as public water systems or state small water systems

What Kind of System Are You On?



- 15 + connections or serves 25+ people for at least 60 days of the year.
- State regulated

State Small Water Systems

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- Does not regularly serve drinking water to an average of 25+ people daily for more than 60 days out of the year
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Water System Governance





Water Sources for Your Region

Water Sources: Santa Clarita Valley Water Agency

Imported Supplies

• Water imported through the State Water Project, terminating at Castaic Lake.

Local Supplies

- Groundwater
- Recycled Water

Other

 Water Banking Programs & Transfers



FROM SOURCE TO TAP





3. Distribution System: an underground pipe system carries water to your property. PATH TO TAP

4. Service Lines: pipes and fittings that connect the water main under the street to the plumbing in your home.

COMPANY

PATH TO TAP

Some components of drinking water quality can change as water travels from a water distribution system through a property's premise plumbing and to your tap.

PATH

AP

5. Premise Plumbing: piping and fixtures inside a building that are fed by a service line.

QUESTIONS?

COMMON CONTAMINANTS

Primary Drinking Water Regulations

Legally enforceable standards for contaminants that affect health, including maximum contaminant levels, monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Regulations

Guidelines associated with non-health-related considerations such as taste, color, and odor. They are not enforceable on a national level but are enforceable in California.

National and State Regulations

US EPA sets maximum contaminant level goal (**MCLG**) US EPA sets federal maximum contaminant level (**MCL**)

Evidence that contaminant has negative human health impact and is present in water sources

CA Office of Environmental Health Hazard Assessment (OEHHA) sets public health goal (**PHG**) CA State Water Board sets state maximum contaminant level (MCL)

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CA State Water Board sets state maximum contaminant level (MCL)

For some contaminants without MCLs...



CA Division of Drinking Water (DDW) establishes healthbased advisory levels = **Notification Level** The level at which DDW recommends removal of a drinking water source from service = **Response** Level

Categories of Regulated Drinking Water Contaminants



Measuring Contamination





Parts Per Million (PPM)or Milligrams Per Liter1 drop in a hot tub

Parts Per Billion (PPB) or Micrograms Per Liter 1 drop in an Olympicsized pool Parts Per Trillion (PPT) or Nanograms Per Liter 1 drop in a 6-acre lake

Contaminants have different health effects at different levels

About Lead and Copper

- Naturally occurring toxic metals
- Can enter drinking water when plumbing materials that contain lead or copper corrode.
 - Lead service lines and premise plumbing are typically the most significant source of lead in water.
- Lead can be harmful to human health even at low exposure levels
- Maximum contaminant level goal = 0





About PFAS: Where do they come from?

- Per- and polyfluoroalkyl substances
 - Group of chemicals that are resistant to heat, water, and oil
 - Non-naturally occurring substances
 - Including PFOA & PFOS
 - Called "forever chemicals"



PFAS

Per/Poly-Fluoro-Alkyl-Substances



About PFAS: History



About Disinfection By-Products

- Formed when disinfectants like chlorine interact with natural organic materials in water
 - Two of the most common types are Trihalomethanes (THMs) and haloacetic acids (HAAs).



About Perchlorate

- Inorganic chemical used in solid rocket propellant, fireworks, explosives, and a variety of industries.
- Both naturally occurring and man-made
- Gets into drinking water through contamination from historic industrial operations that used, stored, or disposed of perchlorate.
- Regulated in California (state primary MCL).





WATER QUALITY CHARACTERISTICS OF INTEREST

About Water Hardness

- Amount of dissolved minerals in water
 Calcium and magnesium
- Naturally occurring in groundwater
- Aesthetic issues, but not dangerous
- Causes mineral buildup in fixtures



WHAT YOU CAN DO

For Premise Plumbing

- Test for contaminants at your tap
- Hire a local plumber to inspect the pipes and perform a visual assessment
- Schedule pipe maintenance for your house every 1-2 years.



Lead and Copper: primary contaminants associated with premise plumbing.

For Premise Plumbing

• Water Hardness:

install water softening equipment.

- Salt-free water conditioners; exchange tank softeners
- Automatic water softeners are **not allowed** in the Santa Clarita Valley to protect the Santa Clara River-
 - Discharge a salty waste that would ultimately be released into the Santa Clara River



QUESTIONS?

HOW TO FIND, READ AND UNDERSTAND YOUR ANNUAL WATER QUALITY REPORT

Consumer Confidence Report

- CCR is an annual water quality report that all community water systems are required to provide to their customers
- Released every year by July 1st

Your CCR Provides Need-To-Know Information

SUCH AS:



Where your water comes from—such as an aquifer, lake, river, or other source.



A list of **regulated contaminants** that the CWS detected and the level.

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Potential **health effects** from consuming contaminated water and additional safeguards against water-related illnesses.



Contaminant levels in your CCR compared to national standards and any violations of health-based standards.

Water Quality Data Table





Step 2: Find your CCR

Drinking Water Watch Website

Step 3: Read your CCR

Example: Santa Clarita Valley Water Agency CCR

Recently Released!

Annual	
Water	
Quality	,
Report	4

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Santa Clarita Valley

Water Agency

RANGE

Minimum Maximun

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Water Agency Newhall Water Division Test

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Santa Clarita Valley

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Water Agency Santa Clarita Water Divisi

RANGE

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Santa Clarita Valley Water

Agency Import Division

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Upcoming Events



Date TBD

Open Space Watershed Health Virtual Workshop

Can you identify...

The **Upper Santa Clara River Watershed** and your water sources.



1

How water gets to your tap.



Local **drinking water quality** concerns: contaminants and regulations.



How to find, read, and **understand your annual** water quality report.

