

Sierra County has a moderate risk profile. Fluoride is detected in ~60% of wells, driven by geological sources. Contamination is often invisible — testing is the only way to confirm your well's safety.

8%

HOUSEHOLDS ON
PRIVATE WELLS

Varies

PRIMARY
AQUIFER TYPE

MODERATE

OVERALL
RISK LEVEL

YOUR TOP WATER QUALITY RISKS

CONTAMINANT	HOW COMMON	RISK LEVEL	SOURCE & CONTEXT
Fluoride	~60% of wells	Low-Moderate	Geological — Naturally elevated in some deep or volcanic aquifers
Sulfate*	~83% of wells	Low-Moderate	Geological — Natural dissolution from gypsum and sulfate minerals
Uranium	~40% of wells	Low-Moderate	Geological — Naturally occurring in granitic and sedimentary bedrock
Arsenic	~80% of wells	Low-Moderate	Geological — Naturally dissolves from bedrock and glacial sediment
Chloride*	~100% of wells	Low-Moderate	Road/Geological — Road salt application and natural mineral deposits

* Secondary standard — an aesthetic limit for taste, odor, or staining. Not a health-based EPA limit.

WHAT TO DO NEXT

- Order a water test.**
Test for Fluoride, Sulfate, Uranium, Arsenic, coliform bacteria. Bacteria annually; others every 3–5 years.
- Get your free county report.**
See full data, treatment options, and certified labs at <https://yourwaterreport.com/states/ca/sierra-county/>
- Upload your lab results.**
We'll interpret them, flag anything above limits, and recommend next steps — free.

KNOW YOUR WELL

Well age / year drilled

Last water test date

Treatment systems installed

Well driller / service contact

WHAT YOUR RESULTS MEAN

Use this to interpret your lab report — match the contaminant to your result.

IF YOUR TEST SHOWS	WHAT IT MEANS	CONSIDER
Bacteria detected	Immediate concern	Shock chlorination; add UV system
Fluoride > 4 mg/L	EPA limit exceeded — skeletal risk	RO filter or activated alumina
Uranium > 30 µg/L	EPA limit exceeded — kidney risk	Reverse osmosis or ion exchange
Arsenic > 10 µg/L	EPA limit exceeded — chronic cancer risk	Reverse osmosis or activated alumina filter

WHO SHOULD USE THIS

- Homeowners on private wells — not covered by public water testing
- Home buyers doing due diligence before closing
- Families with infants, elderly, or immunocompromised members
- Anyone who hasn't tested their well in the past 3 years

LOCAL RESOURCES

Los Angeles County Public Health Laboratory
12750 Erickson Avenue, Downey 90242 · (562) 658-1300

Full county report
<https://yourwaterreport.com/states/ca/sierra-county/>

Free personalized well water report at
<https://yourwaterreport.com/states/ca/sierra-county/>

Data: EPA ECHO · USGS NWIS · Water Quality Portal · U.S. Census ACS
For informational purposes only. Contact a licensed professional for testing and treatment.