

Clay County has a lower-risk groundwater profile. Manganese is detected in ~50% of wells, driven by geological sources. Contamination is often invisible — testing is the only way to confirm your well's safety.

N/A
HOUSEHOLDS ON PRIVATE WELLS

Varies
PRIMARY AQUIFER TYPE

LOW
OVERALL RISK LEVEL

YOUR TOP WATER QUALITY RISKS

CONTAMINANT	HOW COMMON	RISK LEVEL	SOURCE & CONTEXT
Manganese*	~50% of wells	Moderate	Geological — Found in reducing aquifer zones alongside iron
Arsenic	~67% of wells	High	Geological — Naturally dissolves from bedrock and glacial sediment
Ph*	~100% of wells	Low–Moderate	Geological — Aquifer mineral chemistry; low pH accelerates pipe corrosion
Sodium†	~90% of wells	Advisory	
Hardness*	~100% of wells	Low–Moderate	Geological — Dissolved calcium and magnesium from aquifer minerals

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

† No finalized EPA primary MCL. Figure shows detection frequency, not regulatory exceedance.

WHAT TO DO NEXT

- Order a water test.**
Test for Manganese, Arsenic, Ph, Sodium, 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/nc/clay-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
Manganese > 0.05 mg/L	Aesthetic + health concern at high levels	Oxidation + filtration system
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

Full county report
<https://yourwaterreport.com/states/nc/clay-county/>

Free personalized well water report at <https://yourwaterreport.com/states/nc/clay-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.