

Charlton County has a moderate risk profile. Manganese is detected in ~75% of wells, driven by geological sources. Contamination is often invisible — testing is the only way to confirm your well's safety.

47%HOUSEHOLDS ON
PRIVATE WELLS**Varies**PRIMARY
AQUIFER TYPE**MODERATE**OVERALL
RISK LEVEL**YOUR TOP WATER QUALITY RISKS**

CONTAMINANT	HOW COMMON	RISK LEVEL	SOURCE & CONTEXT
Manganese*	~75% of wells	Low-Moderate	Geological — Found in reducing aquifer zones alongside iron
Nitrate	~43% of wells	Low-Moderate	Agricultural — Fertilizer, manure, and septic systems leaching into groundwater
Sulfate*	~100% of wells	Low-Moderate	Geological — Natural dissolution from gypsum and sulfate minerals
Fluoride	~100% of wells	Low-Moderate	Geological — Naturally elevated in some deep or volcanic aquifers

* 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 Manganese, Nitrate, Sulfate, Fluoride, 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/ga/charlton-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
Nitrate > 10 mg/L	EPA limit exceeded — risk for infants	RO filter; avoid for bottle-fed infants
Fluoride > 4 mg/L	EPA limit exceeded — skeletal risk	RO filter or activated alumina

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**Private Wells - Cumming Utilities**<https://cummingutilities.com/our-system/water-lab/private-well-water/>**Full county report**<https://yourwaterreport.com/states/ga/charlton-county/>

Free personalized well water report at

<https://yourwaterreport.com/states/ga/charlton-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.