

Bulloch County has an elevated risk profile. Iron is the primary concern, 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

ELEVATED

OVERALL  
RISK LEVEL

## YOUR TOP WATER QUALITY RISKS

| CONTAMINANT | HOW COMMON                 | RISK LEVEL | SOURCE & CONTEXT                                                                |
|-------------|----------------------------|------------|---------------------------------------------------------------------------------|
| Iron*       | ~38% above aesthetic limit | Moderate   | Geological — Common in glacial and alluvial aquifers; staining and taste        |
| Manganese*  | ~29% above aesthetic limit | Moderate   | Geological — Found in reducing aquifer zones alongside iron                     |
| Nitrate     | ~10% above limit           | High       | Agricultural — Fertilizer, manure, and septic systems leaching into groundwater |
| Lead        | ~33% of wells              | Low        | Infrastructure — Older well casing materials and household plumbing             |
| Radon†      | ~100% of wells             | Advisory   | Geological — Radioactive gas dissolved from uranium-bearing rock                |

\* 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 Iron, Manganese, Nitrate, Lead, 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/bulloch-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       |
| Iron > 0.3 mg/L       | Staining, taste — aesthetic issue           | Oxidizing iron filter                   |
| 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 |
| Lead > 15 µg/L        | EPA action level exceeded                   | RO filter; inspect well casing          |
| Radon > 4,000 pCi/L   | EPA proposed limit; also affects indoor air | Aeration system; test indoor air        |

## 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/bulloch-county/>

Free personalized well water report at

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