



□ Position

- Associate Professor, Geosciences, FAU

□ Research Interests

■ Groundwater Chemistry

- Water chemistry as a tracer of the movement of water through the hydrologic cycle

■ Water Resources Sustainability

- Water use science

water analysis laboratory



•Waters

- nutrients
- major ions
- metals
- water isotopes

•Soils

- particle size
- pH
- electrical conductivity
- Loss on ignition

Root Research Projects

- Improving quantification of the water cycle
 - Using water isotopes to partition evapotranspiration into evaporation vs. transpiration in the Everglades.
- Human-groundwater dynamics on suburban natural areas
 - Impacts of land use change on surface water-groundwater interaction
 - Groundwater-soil-vegetation dynamics
- Evaluating the effectiveness of lawn water conservation measures
 - Quantifying outdoor water use
 - Metrics of conservation effectiveness
 - Alternatives to water restrictions

