



WHY DOES NITRATE MATTER?

FUN FACT:
Silver Springs is projected to fully recover when nitrate levels are at 0.2 mg/L

Nitrate causes rapid growth of **invasive algal blooms** in springs which produce toxins that are dangerous to fish, wildlife, pets, and even people!



Current nitrate-nitrogen levels are at a concentration of more than 3,100% higher than the natural background. To achieve the 0.35 mg/L nitrate goal will require an estimated **79% REDUCTION** on nitrate-nitrogen levels.

0.35 mg/L

The **target maximum monthly average** for nitrate-nitrogen concentrations at Silver Springs as determined by Florida Department of Environmental Protection (FDEP) in the nutrient Total Maximum Daily Load (TMDL) for Silver Springs

The harmful algal blooms also decrease normal production of oxygen levels within the water **killing fish and other aquatic species**



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