

## Knowledge Gaps in Middle St. Johns TMDLs

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### Lake Jesup

1. Nitrogen fixation rates and effect on lake response to decreased nutrient loads
2. Nutrient flux between sediments and the water column
3. Water volume removal efficiency rates for stormwater facilities (considered to be "0" in the TMDL)
4. Nutrient load reduction benefits of nonstructural BMPs

### Crane Strand / Crane Strand Drain

1. Role of natural groundwater influence in DO TMDL
2. Bacteria regrowth in sediments

### Long Branch

1. Role of natural groundwater influence in DO TMDL
2. Bacteria regrowth in sediments