

## 2021 Stream Inlet Monitoring Results – Big Swan Lake

Note: Phosphorus & E. Coli averages, minimums, & maximums from (4) samples taken in 2021 on May 24, July 28, August 23, & Sept. 27. Analysis is from RMB Labs, Detroit Lakes, MN.

	E. Coli			Phosphorus (ug/L)		
	Average	Min	Max	Average	Min	Max
S005-035 (Schwanke)	1321	308	2420	91	51	160
S005-036 (East Bay)	163	72	275	71	55	91
S005-039 (Lady Lake)	241	31	686	96	24	321
S005-041 (Van Heel)	1851	579	2420	111	63	165

Hollermann Culvert on Emerald Trail (East Side) Note: Culvert was dry on each visit in 2021

### Overall Recap

- The drought made sampling difficult with little or no flow especially early in the year. This could have kept phosphorus levels lower due to no large rain events until late in the year.
- The Phosphorus results were similar to 2018 with Schwanke & Van Heel Creeks at higher levels. Lady Lake inlet came in higher in 2021 compared to 2018
- The E.coli results were noticeably higher than 2018 at Schwanke & Van Heel Creeks
- We plan to continue monitoring these inlets in 2022 to provide better data for our Lake Management Plan

Sampling and Information provided by Lee Daly. Detailed Lab results from RMB available on request.

10/11/21