



Area Description:

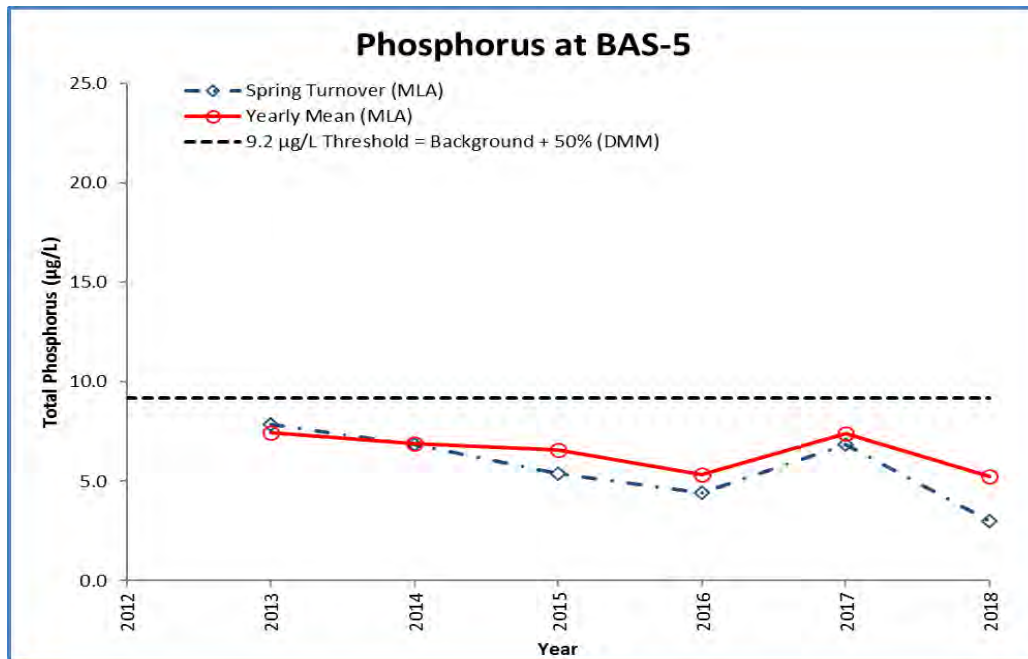
Bass Lake is a small, shallow, moderately developed lake located immediately southwest of Lake Joseph. It is 0.96 km² in area with a maximum depth of 8 m. Hwy 169 separates this lake from Lake Joseph at the north end. Bass Lake drains wetlands located to the south and water flows into Stills Bay via Stills Falls. Bass Lake has been classified as moderately sensitive by the DMM. Monitoring started in 2005. All stations shown may not be sampled each year.

Volunteer Recognition: Chris Bodanis, Chris Turney, Bev Turney and Sam Bodanis.

Bass Lake (BAS)

2018 Water Quality Results: (Note: Hatched cell signifies not tested for in 2018)

Station	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		E. coli Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)
		Spring Turnover	Yearly Mean		
BAS-2		9.0	5.5		
BAS-5	3.1	3	5.3		
BAS-7		3.0	8.5		



Summary and Recommendations:



BAS-5 spring turnover and yearly mean phosphorus concentrations were the lowest values recorded and continue to be below the historic DMM threshold of 9.2 $\mu\text{g/L}$. The spring phosphorus sample at BAS-5 in 2012 remains removed from the analysis following the Grubb's Test analysis for outliers in 2018. Phosphorus levels at BAS-7 were elevated during mid-summer, causing an elevated mean. Secchi measurements also remain stable through sampling years, varying between 2.38 and 3.75. **Beacon recommends all sampling be continued to monitor long-term trends.**