



Lakes Environmental Association

Moose Pond Main (Basin 1) Data Summary

Basin 1 - Moose Main			
	2019 Average	2018 Average	Long Term Average
Clarity (m)	6.8	8.0	7.4
Phosphorus (ppb)	5.6	6.0	5.7
Chlorophyll (ppb)	3.5	2.0	2.9

Table 1. Comparison of annual water clarity, phosphorus concentration and chlorophyll concentration averages. Chlorophyll concentrations in 2019 are higher than the 2018 and long term averages. The 2019 average phosphorus concentration is similar to the both the 2018 and long term phosphorus concentration averages. Overall water clarity in 2019 was lower than the 2018 and long term averages.

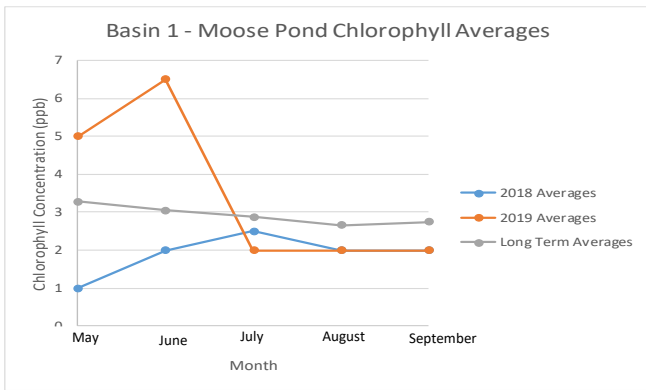


Figure 1. Comparison of monthly chlorophyll averages at basin 1 . Concentrations of chlorophyll started out high in 2019, compared to years past, but decreased below the long term average as the testing season continued.

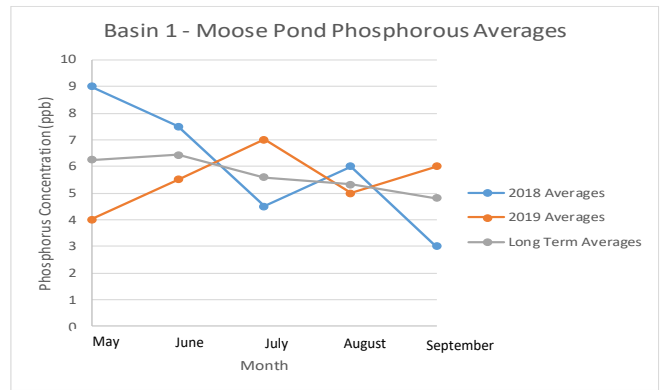


Figure 2. Comparison of monthly phosphorus averages. In 2019, concentrations of phosphorus started out lower than the long term average, exceeded the long term average in July and began to trend downward as the testing season continued.

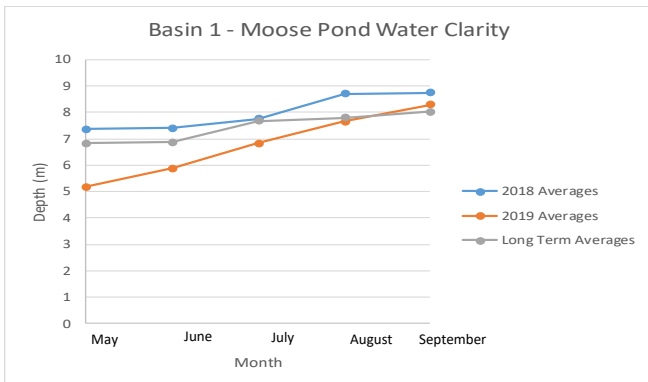


Figure 3. Comparison of monthly water clarity averages. Water clarity in 2019 was lower than the long term average in May, June, and July. Water clarity increased in August to exceed the long term water clarity measures.



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Moose Pond South (Basin 3) Data Summary

Basin 3 - Moose South			
	2019 Average	2018 Average	Long Term Average
Clarity (m)	5.9	6.7	6.5
Phosphorus (ppb)	6.0	6.3	6.1
Chlorophyll (ppb)	2.4	2.5	2.8

Table 2. Comparison of annual water clarity, phosphorus concentration and chlorophyll concentration averages. Average chlorophyll concentrations in 2019 are lower than the 2018 and long term averages. The 2019 phosphorus concentration are slightly lower than 2018 averages and about the same as long term average phosphorus concentration. Overall water clarity in 2019 was lower than the 2018 and long term averages.

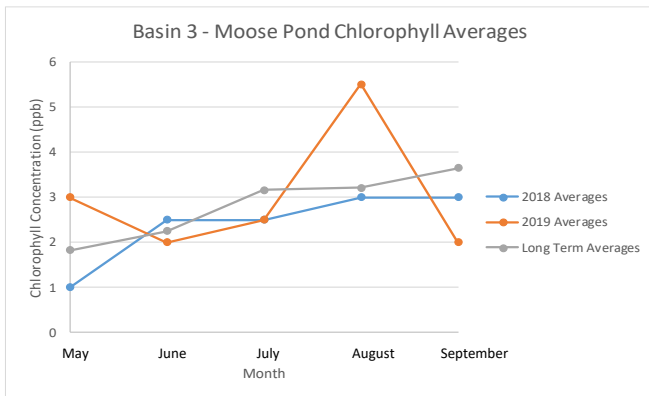


Figure 4. Comparison of monthly chlorophyll averages at basin 3. Concentrations of chlorophyll started out high in 2019, compared to years past, but decreased below the long term average in June and July. Chlorophyll concentrations did rise again in August but fell to below long term averages in September.

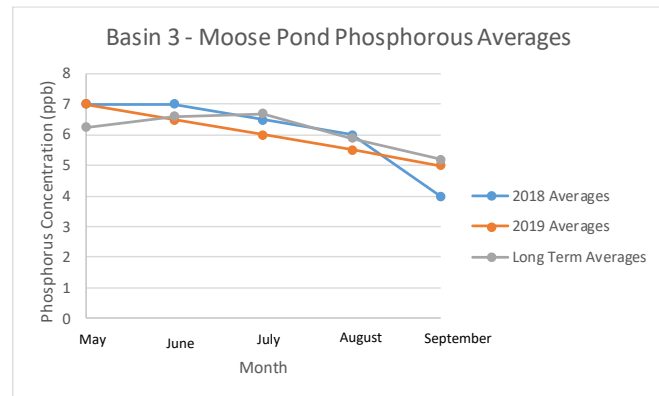


Figure 5. Comparison of monthly phosphorus averages. In 2019, concentrations of phosphorus started out above than the long term average, but fell below the long term average as the season progressed.

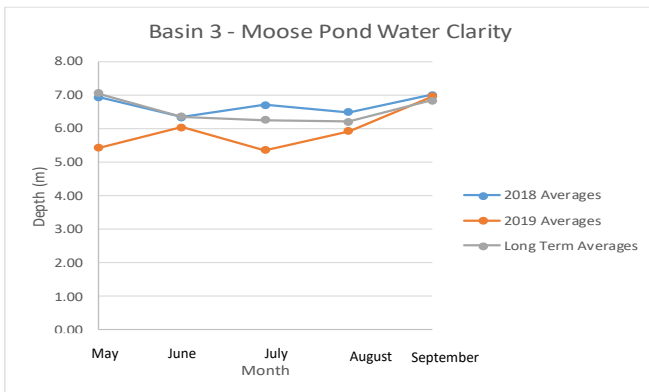


Figure 6. Comparison of monthly water clarity averages. Water clarity in 2019 was lower than the long term average in May, June, July, and August.



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Moose Pond North (Basin 4) Data Summary

Basin 4 - Moose North	2019 Average	2018 Average	Long Term Average
Clarity (m)	4.5	5.2	5.1
Phosphorus (ppb)	8.4	8.9	9.2
Chlorophyll (ppb)	3.7	3.0	3.5

Table 3. Comparison of annual water clarity, phosphorus concentration and chlorophyll concentration averages. Average chlorophyll concentrations in 2019 are slightly higher than the 2018 and long term averages. The 2019 average phosphorus concentration is lower than the 2018 and long term averages. Overall water clarity in 2019 was lower than the 2018 and long term averages.

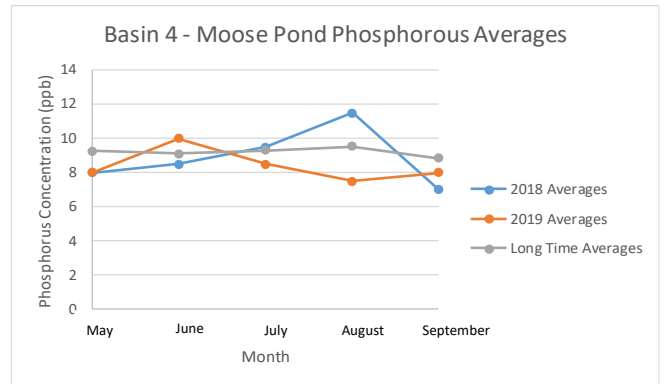
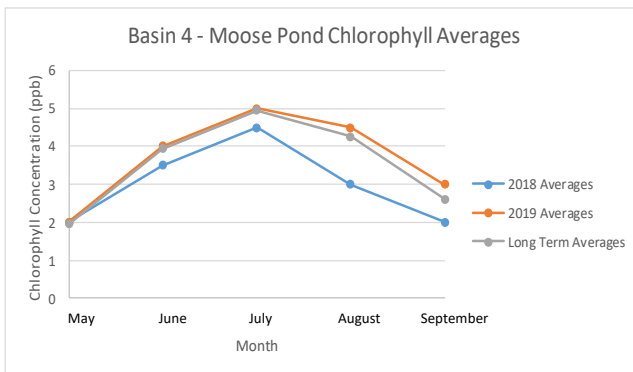


Figure 7. Comparison of monthly chlorophyll averages at basin 4 . Concentrations of chlorophyll were above 2018 concentrations but were similar to long term averages in May, June, and July. In August 2019 chlorophyll concentrations rose above 2018 and long term averages.

Figure 8. Comparison of monthly phosphorus averages. In 2019, concentrations of phosphorus started out below the long term average, rose in June, and fell below the long term average again in July and August.

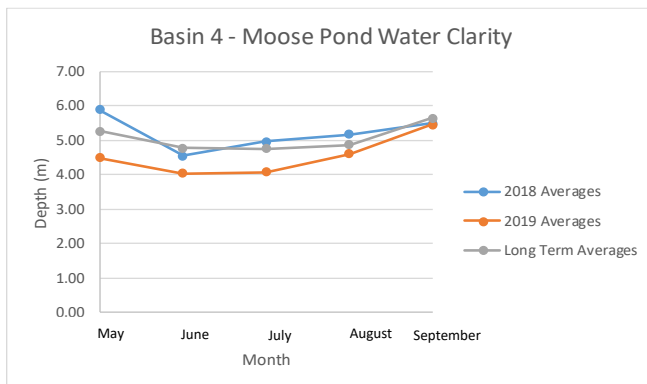


Figure 9. Comparison of monthly water clarity averages. Water clarity in 2019 was lower than the long term average in May, June, July, and August.