

LaBelle Lake (formerly LaBelle City Lake)

Lewis County

2007 DATA

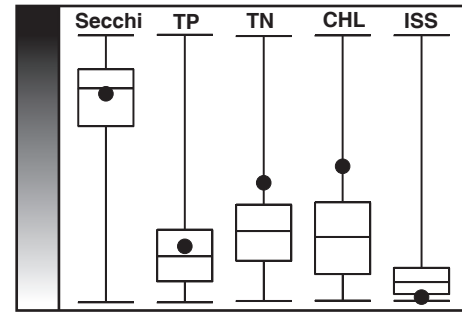


Date	Secchi (inches)	TP (µg/L)	TN (µg/L)	CHL (µg/L)	ISS (mg/L)
4/25	73	26	1100	5.7	1.2
5/11	69	42	1220	14.4	0.3
5/31	40	41	1080	49.7	1.0
6/26	35	56	940	50.5	1.4
7/13	28	82	1580	80.2	0.8
7/30	37	68	900	26.7	1.3
8/25	30	51	940	56.4	1.6
9/13	29	46	1040	25.0	1.6
10/5	58	32	1160	22.8	1.2
Mean	42	47	590	28.9	1.1

2007 SUMMARY

Water quality parameters in LaBelle Lake displayed normal to low amounts of variation during 2007, with the exception of chlorophyll. While other parameters ranged by factors of 2 or 3, the difference between minimum and maximum chlorophyll values was 14. The data from 2007 is quite similar to the 2006 data, with identical phosphorus means and nitrogen means that differ by only 18 µg/L.

Relative to statewide rankings, water quality in LaBelle Lake is hard to classify. Nitrogen and chlorophyll values are in the upper quartile of the statewide rankings, TP and Secchi are near the median value, while ISS is in the lower quartile.



Relative Rank Graph
See page 11 for details

TRENDS

Mean nitrogen values have been nearly identical during the past three seasons. While there have been minor differences in the range of values, the observed within year variability has been normal. Chlorophyll has shown a little more year-to-year variation, but the overlap in the data suggests no trends are occurring.

Both nitrogen and phosphorus are meeting proposed criteria values, while chlorophyll exceeds its criterion. This may be largely due to the relative absence of suspended sediments. With fewer sediments to shade the algae, more sunlight is available to encourage algal growth.

