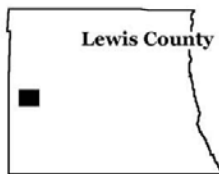


LaBelle Lake (formerly LaBelle City Lake)

LaBelle Lake is a 112 acre lake that was constructed in 1961. This lake has a 1318 acre watershed and is part of the newly named LaBelle City Conservation Area. This lake has also been called Belleview Lake.



Location of LaBelle Lake

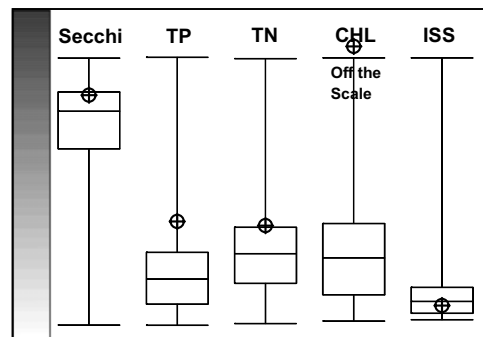
Descriptive statistics for LaBelle Lake – 2005

| | Secchi (inches) | TP (ug/L) | TN (ug/L) | CHL (ug/L) | ISS (mg/L) |
|--------------------------|--------------------|--------------|--------------|---------------|---------------|
| Geometric Mean | 29 | 81 | 939 | 58.4 | 2.5 |
| Minimum | 19 | 49 | 450 | 15.8 | 1.0 |
| Maximum | 47 | 135 | 1800 | 172.1 | 3.9 |
| Number of Samples | 8 | 8 | 8 | 8 | 8 |

Geometric mean nutrient values in 2005 were higher than found in 75% of Missouri lakes, while ISS levels were generally low. This created the perfect environment to grow algae (high nutrients and plenty of light) and LaBelle’s geometric mean chlorophyll was high enough to be considered off of the statewide scale.

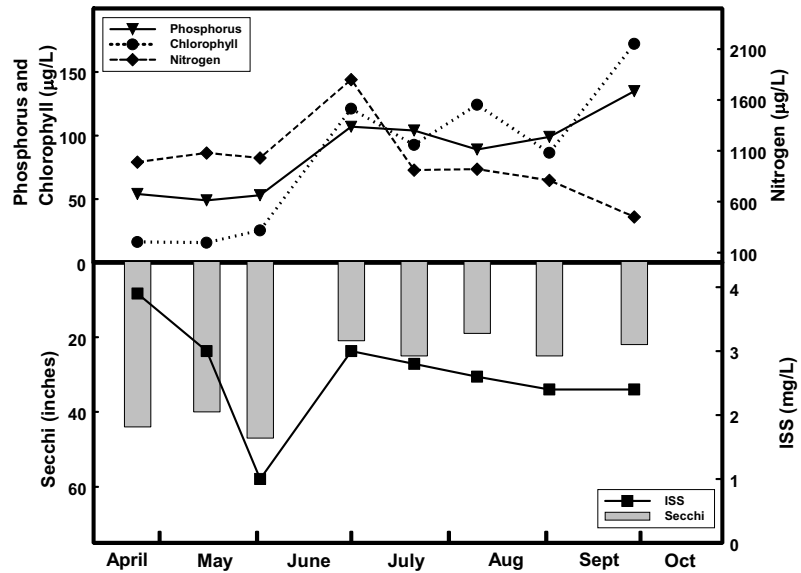
A chlorophyll value of 100µg/L is relatively rare in Missouri lakes, but in 2005 three (of eight) chlorophyll values for LaBelle City Lake were above 100 µg/L.

Relative Rank for LaBelle Lake



LaBelle City Lake (new)

Seasonal fluctuations of parameters for LaBelle Lake – 2005



- Phosphorus levels were relatively low during the first part of the sample season, increased in early July and remained high the remainder of the season.
- Chlorophyll generally followed phosphorus in terms of seasonal patterns.
- On three occasions the chlorophyll values were higher than the phosphorus values, a situation that is indicative of an algal bloom (values were close enough on the two intervening samples that bloom conditions were probably still occurring).
- Water clarity was a function of algal biomass during 2005.