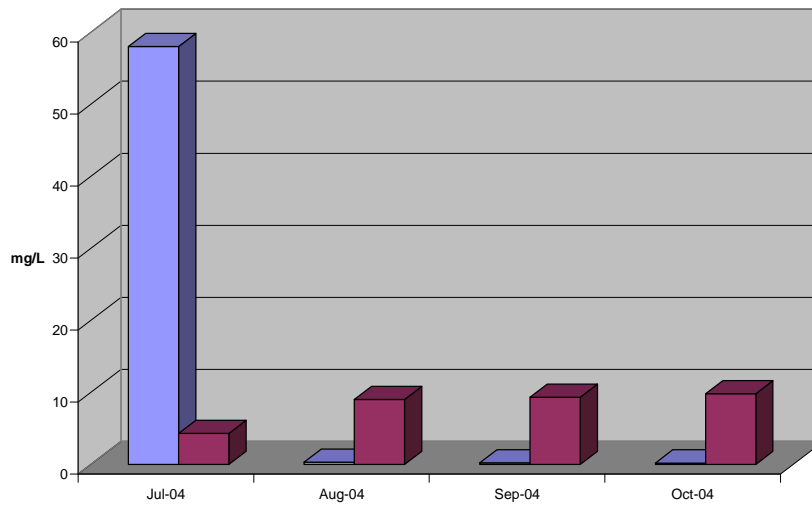


## Aeration of East Twin Lake Sediment, BOD and Oxygen Results

In July 2004, eight Vertex Air 3 XL systems were installed by Tri-County Aquatics in a 60 acre cove of an 830 acre lake. At the time of installation, measurements with a 'sludge judge' were taken at six locations to determine the amount of muck on the bottom. Three of the sites showed levels of 6 and 7 feet of muck and the average for all 6 sites was 4.3 feet of muck. Oxygen readings were taken at the surface and at the bottom to assess the quality of the water. The dissolved oxygen at the surface was 4 mg/L while the oxygen level at the bottom was 2 mg/L, which is virtually an anoxic environment. A water sample sent to a lab to determine the BOD (Biological Oxygen Demand) returned results of a BOD of 58 mg/L, which is much higher than the available oxygen in the water.

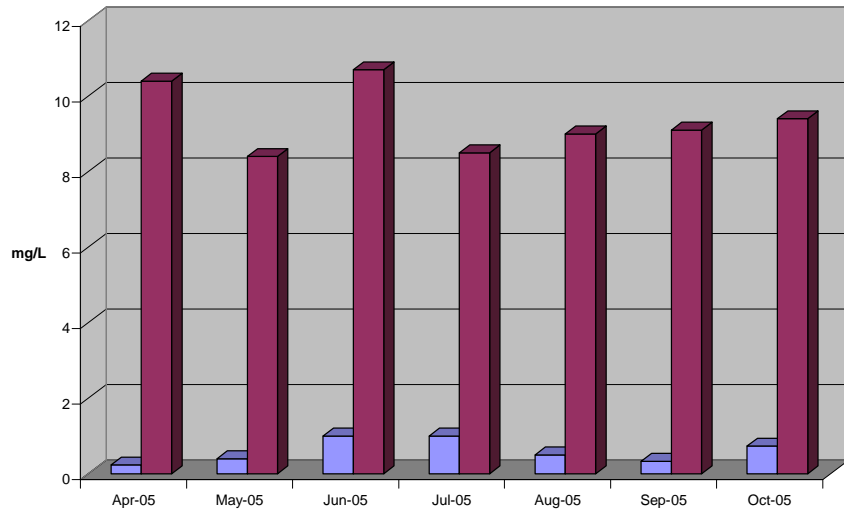
East Twin Lake Aeration Study      BOD and Oxygen Readings 2004



	July-04	Aug-04	Sep-04	Oct-04
BOD	58	0.28	0.2	0.18
Oxygen	4.3	9	9.3	9.8

By April 2005, the oxygen level had increased to impressive level of 10.4 mg/L, clearly satisfying the BOD, which was determined to be .23 mg/L. The average level of muck at the 6 sites was 3 feet. Minimum amounts of ½ a foot were recorded at 2 sites while the maximum level of 5 feet was recorded at another site. Since installation, the average level of bottom muck has decreased by 30.2%.

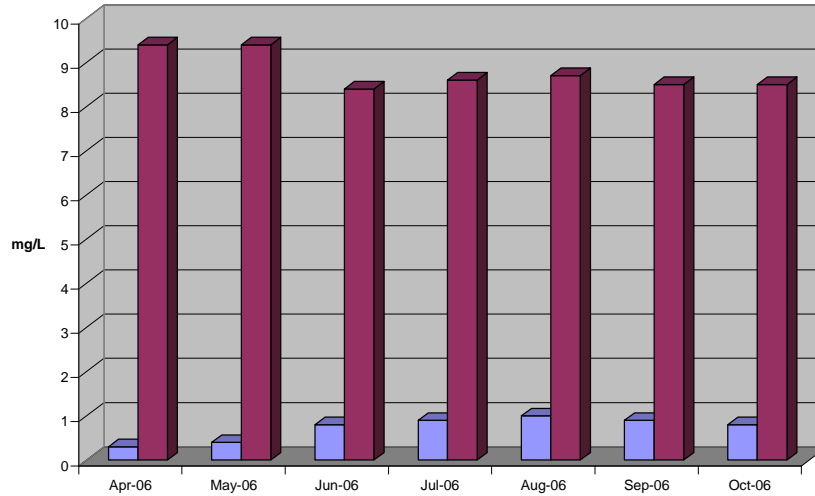
**East Twin Lake Aeration Study      BOD and Oxygen Readings 2005**



	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05
■ BOD	0.23	0.4	1	1	0.5	0.33	0.73
■ Oxygen	10.4	8.4	10.7	8.5	9	9.1	9.4

In April 2006, the oxygen levels are still being maintained at a high level of 9.4 mg/L, while still satisfying the low BOD of .3 mg/L. The muck levels are fairly even at all 6 sites, with an average of 2.4 feet. This is a decrease of 44.2% from the first measurements at the time of installation.

East Twin Lake Aeration Study BOD and Oxygen Readings 2006



	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06
BOD	0.3	0.4	0.8	0.9	1	0.9	0.8
Oxygen	9.4	9.4	8.4	8.6	8.7	8.5	8.5

The next chart show the amounts of muck at each site for all three sampling years and the last chart shows the average amounts of muck and the trend of the reduction of the total muck.

