

REPORT OF LAKE BELLAIRE SAMPLING

15 MAY 1984

The following is a transcription of my field notes of 15 May 1984:

Station 1. (Grass Creek at County Road 620 culvert) Time: 1212 EDT
Air temp: 12.2 C Sunny
Water temp: 6.6 C
Water clear
BOD & P samples taken at surface
BOD= 1.6 mg/l.

Station 2. (Intermediate R. at Riverside Marina dock) Time: 1150
Air temp: 13.3 C Sunny
Water temp: 9.5 C
Water clear
BOD & P samples taken at surface
BOD= 1.6 mg/l

Station 3. (Intermediate R. just above outlet to L. Bellaire)
Time: 1057
Air temp: - Sunny, wind westerly at 12 mph
Water temp: 9.5 C
Water Clear
BOD & P samples taken at surface
BOD= 1.7 mg/l

Station 5. (Lake Bellaire at approx. $44^{\circ} 57.2'N$, $85^{\circ} 13.5'W$)
Time: 1120
Air temp: 11.7 C
Water temp, 1m: 9.2 C
 bottom: 7.6 C
Station depth: 96 feet.
BOD and P sample at bottom, P sample at surface.
BOD at bottom= 1.7 mg/l

Notes: The phosphorus sampling bottles supplied by Prein & Newhof (disposable type) proved to be unsatisfactory. About 50% of the samples taken with this type of bottle were lost when the bottles split when the samples were frozen. Fortunately I took duplicate samples at most stations and only the Station 5 bottom sample was lost. In future I will be using Nalge 250 ml bottles for P sampling. These bottles are more robust and can take freezing w/o cracking.

No BOD sample was taken at the Lake Bellaire station at the surface. This can be done in future if desired. Please advise.