Due to the inflow rate on both the velocity meter and the float technique being higher than the outflow rate of the lake, it is safe to say that the lake is unsteady. This, however, does not have a negative effect on Fern Lake because of the size, and some water flows into the fish hatchery on campus.

Based on the average flowrates in (20.8 m³/hr) and out (3.7 m³/hr) I would say that the lake is filling and that the volume change is positive (approx. 13 m³/hr) and as a result the lake should be getting deeper.
Assumptions

It is safe to assume that the inflow stream is of consistent size. But the high inflow rate could have been caused by external sources such as increased precipitation, or heavy fog in the mornings. I also assume that the outflow rates could have varied depending on debris, evaporation, or even because of the unknown, varying outflow into the Fish Hatchery. We assume that the bucket used to measure outflow was the same during each trial. It is assumed that all units were converted correctly, and that the information was put into the spreadsheets correctly.