**Water Quality Lab Marcus Stevens October 26, 2015**

1. Introduction

In this water quality lab, water that was derived from the Highland Park pond to be tested for the amount of pollutants that it contained. This water source was located adjacent to multiple species of plant life such as trees, shrubs, grass, etc. The section of the pond in which this water was obtained consisted of grey mud along with Canada geese and ducks. The water’s quality was measured by several kits that contained various chemicals and elements that water from these types of sources might carry. Therefore, when the kits are applied to the water sample, it will show what types of chemicals are held by the water. The sample was transported through both a sterile and non-sterile container. The sterile container held the sample that was used for the Coliscan testing. The Coliscan was used to produce colonies on a petri dish that was held in an incubator for growth of any contaminants within the water over a period of time.

**Purpose:** The purpose of this experiment is to reveal the presence of any pollutants or impurities within an obtained water sample.

**Hypothesis:** No hypothesis was required.

1. Materials and Methods (Procedure)

**Materials:**

**1.** Testing kits **2.** Pipets **3.** Sterile and non-sterile pipet tips **4.** Sterile and non-sterile water containers **5.** Coliscan kit **6.** Petri dish **7.** Incubator **8.** Spectrophotometer **9.** Test tubes **10.** Wax paper

**Procedure:**

1. Refer to kit.
2. Results

Refer to data sheet.

1. Conclusion

When the collected water sample was tested for any contaminants through the various kits that were able to show the pollutants within the water, no foreign substances were revealed. According to the data, as recorded on the data sheet, this particular water sample from the Highland Park pond is extremely clean and occupies very little pollutants. The only kits that the sample reacted to in a significant way are the …

One limitation that was noticed for this experiment