**Schedule for Activity: A Tough Choice in Watershed Management**

To be done completely within the 75-min class period:

**Whole Class**:

8:00-8:10: Intro to the activity as a class

**Individual and Team work**:

8:10-8:15: **Part 1**: Land cover Questions 1 & 2, Supplement 3 mean N and P values 1 pt

8:15-8:30: **Part 2:** Nutrients. Work with Excel spreadsheet, ‘WSA\_data\_for\_students.txt’ to obtain median, quartile, extreme and outlier values of total nitrogen for Regions 7 and 10 separately, plot boxplots, and fill in data for Table 1. 2 pts

8:30-8:40: Questions 3 & 4 on p. 5 1 pt

8:40-8:50: **Part 3**: Scatter plot & regression of macroinvertebrate with total N 1 pt

8:50-9:00: **Part 4**: Discuss with teammates the 4 choices and for each choice, provide an explanation for why it is or is not a good choice. 2 pts

**Class discussion:**

9:00-9:15: Teams report out and discuss their choice.