**APES- Fish as a Fertilizer Case Study- Grading Rubric**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**General Background:** 5 Pts \_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Salmon Life Cycle/Diagram**: 5 Pts \_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Stable Isotope Analysis:** 5 Pts \_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Part I- Do Salmon Add Marine-Derived Nitrogen to the Stream Ecosystem?**

5 Pts \_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Part 2A: Do Marine-Derived Nutrients Affect Stream Organisms?**

5 Pts \_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Part 2B:** 5 Pts \_\_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Part 2C:** 5 Pts \_\_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Part 3: How Does Marine-Derived Nitrogen Get to Stream-Side Terrestrial Ecosystems?**

5 Pts \_\_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Part 4: Does Salmon-Derived Nitrogen Affect the Terrestrial Ecosystem?**

5 Pts \_\_\_\_\_\_\_\_\_\_ pts

Comments:

***Short Essay Quiz***

10 Pts \_\_\_\_\_\_\_\_\_\_ pts

Comments:

**Total Score:**  \_\_\_\_\_\_\_\_\_\_/55 Pts