Assignment 6

Due on: 03/12/2014, 11:59 PM

Unit 7 - Week 6

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

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Week 10

Week 11

Week 12

Week 13

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Week 52

This unit explores the assessment and development of information from the ecological, social, and economic perspectives. The assignment is due on Friday, March 14th, 2014, at 11:59 PM. Please ensure that you submit your work on time.

Note: The assignment requires you to analyze the ecological, social, and economic aspects of a specific ecosystem. You should include a map and a detailed explanation of your findings.

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**Diagram:**

The diagram illustrates the layout of the ecosystem, with labeled reaches and key landmarks. Each reach is numbered from 1 to 6, and the diagram includes a map and a time of highest flow indicator. The map also shows the locations of bridges and key water bodies.

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**Explanation:**

- **Reach 1:** The first reach is characterized by a river bend with minor current variations. The ecosystem is rich in aquatic plants, and the area supports diverse bird species.
- **Reach 2:** This reach features a small waterfall, which is a significant attractor for waterfowl and fish migrations. The area is rich in algae and supports a variety of aquatic insects.
- **Reach 3:** The third reach is a slow-moving section with a series of small pools. The area supports a variety of crustaceans and is a key breeding ground for fish.
- **Reach 4:** This reach is characterized by a narrow channel with high water flow. The area is rich in silt and supports vast numbers of small fish species.
- **Reach 5:** The fifth reach is a flat, wide area with minimal currents. The area supports a vast array of submerged plants and is a key habitat for waterfowl.
- **Reach 6:** The sixth and final reach is characterized by a series of small rapids and a steep bank. The area supports a diverse range of aquatic species, including several endangered species.

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**Instructions:**

1. **Map Creation:** Create a detailed map of the ecosystem, including all key landmarks and reaches. Label each reach with its respective number.
2. **Time of Highest Flow:** Indicate the time of highest flow on the map with a clear marker. Explain the factors that contribute to this time.
3. **Bridges:** Mark the locations of bridges on the map and explain their significance to the ecosystem.
4. **Key Landmarks:** Mark and label key landmarks within the ecosystem, such as rivers, pools, and small falls.
5. **Aquatic Plants:** Include a section on the types of aquatic plants found in the ecosystem and their role in the ecosystem.
6. **Bird Species:** List and describe the types of bird species found in the ecosystem and their role in maintaining ecological balance.
7. **Aquatic Insects:** Include a section on the types of aquatic insects found in the ecosystem and their role in the food chain.
8. **Crustaceans:** List and describe the types of crustaceans found in the ecosystem and their role in the food chain.
9. **Small Fish Species:** Include a section on the types of small fish species found in the ecosystem and their role in the food chain.
10. **Endangered Species:** Include a section on any endangered species found in the ecosystem and their conservation status.

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**Note:** Your assignment should be submitted as a comprehensive report, including the map and detailed explanations of your findings. Please adhere to the assignment guidelines and submit your work on time.