

Scientific Essay Criteria: Ecosystems

Standard: HS-LS2-7. Design, evaluate, and refine a solution for reducing the impacts of human activities on the environment and biodiversity.

Essay Element	Points Possible	Score
1. Introduction and Summary a. A brief statement on why humans engage in forest management processes b. An explanation of the Tribe's methods for managing the Coquille Forest c. An analysis of the philosophy or rationale of their methods and the role of traditional ecological knowledge	30	
2. Discussion a. Analysis of the primary benefits, and any disadvantages, of their methods (including scientific benefits/disadvantages to the ecosystem and other considerations such as social, cultural, or spiritual benefits)	35	
3. Advocacy a. Based on your evaluation of the Tribe's methods and knowledge about other forest management practices, design/refine a solution that addresses human interests while reducing the impacts of human activities on the environment by persuasively arguing for either i. at least one way in which the Tribe could improve their current methods or ii. persuasively arguing for other communities and/or forest managers to adopt the Tribe's methods.	35	
Total Score	100	