**Biodiversity and Conservation: Environmental Management Plan**

**Assignment:** In Idaho, there are several environmental concerns. With your group pick one of the environmental concerns listed below. Using a Chromebook, your phone, your group, and your basic knowledge of conservation and ecology, craft a long term solution to your group’s chosen environmental concern.

**Environmental Concerns:**

-Polluted air in the Treasure Valley

-Phosphate contamination from mines in Blackfoot, Idaho

-Eutrophication (excess nitrogen, phosphorous, and waste) in Lake Lowell and other lakes

-Invasive Eurasian watermilfoil in Idaho lakes

-Limiting motor vehicle access to national forests

-The ability to suppress fires in Idaho forests

-Invasive plant species in Idaho forests. They include, but are not limited to, spotted knapweed, rush skeleton weed, leafy spurge, Canada thistle, cheat grass, meadow and orange hawkweeds and yellow star thistle.

-Bark Beetles in Idaho forests

-Emerald Ash Bore in Idaho Forests

\*Environmental concerns are not limited to this list. If there is a separate concern you would like to research, please ask.

After you have picked your environmental concern, begin researching and compiling a management plan.

Your management plan will be outlined on a piece of poster paper. **Your group will present this management plan to the class where they will vote on whether your action plan has been approved or not**. Attention to detail and careful planning will be required in order for your management plan to be approved.

**Requirements for Poster:**

1. Statement of problem
2. Detailed outline of management plan (needs to be at least page length, handwritten).
3. Illustrations to depict management plan

**Requirements for Management Plan**:

1. Use and/or protection of natural resources in the area are addressed (water, soil, minerals, etc.)
2. Wildlife and plant life are accounted for
3. Solution is sustainable
4. Solution is cost effective

**\*Things to consider:**

Who is going to benefit from this solution? Who may not?

Does your solution affect tribal lands, public land use, other environments, or interest groups?

Is it economically viable?

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|  | 8 | 6 | 4 | 2 |
| Statement of Problem | Environmental concern is clearly addressed with sufficient research to explain problem. | Environmental concern is clearly addressed with some research to explain the problem. | Environmental concern is addressed with limited research to explain problem. | Environmental concern is addressed with minimal research to explain problem. |
| Illustrations of management plan | X | X | 3-4 illustrations to show environmental management plan. | 1-2 illustrations to show environmental management plan. |
| Management plan | Management plan includes all 4 steps outlined above. | Management plan includes 3 steps above. | Management plan includes 2 steps above. | Management plan includes 1 step outlined above. |
| Presentations | Presentation is professional and all members of group present information. | Presentation is professional and 2 members of the group present information. | Presentation is somewhat professional and 2 members of the group present information. | Presentation is not professional and 1-2 group members present. |
| Poster neatness | X | Poster is organized and professional. | Poster is somewhat organized and professional. | Poster is neither organized nor professional. |
| Total (34 pts possible) |  |  |  |  |