Heber Valley Girls Camp

Geo 340 Week 2 Challenge A

Morgan Bronson

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Introduction: Recently United States, especially the West, has seen an increase of wildfires in the summer time. Creating a fire hazard plan for the Heber Valley Girls Camp is essential to the safety of the campers as well as critical to protecting the wildlife around the camp. The Church of Jesus Christ of Latter-day Saints wants to create a map to decide where fire safety items should be located. Listed below are the features found on the PDF map of the campground; we can use these to determine which components we want to include on our hazard map. I created a new geodatabase to hold the feature datasets and feature classes I created. The feature datasets and classes for the map have been created and will be edited to reflect the needs of the camp. The colors have been altered to increase visibility of objects critical to a possible fire plan. I also added all the data necessary to the map to move onto the next steps.

Methods:

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| Feature | Feature Class Type | Attribute fields for attribute tables | Notes/Feature Dataset/etc. |
| Hiking Trails and Camp Paths | Line | Type of trail (path or trail)  Name of trail  Length | Trails |
| Roads | Line | Road name  Length | Roads |
| Buildings | Point, Polygon | Building name  Building type  height | Building |
| Amphitheatre | Point, Polygon | N/A | Rec |
| Garbage Dumpster | Point | N/A | Building |
| Parking Lots | Polygon | Polygon Perimeter  Polygon Area | Building |
| Challenge Course | Polygon. Point | Polygon Perimeter  Polygon Area | Rec |
| Lake | Polygon. Point | Polygon Perimeter  Polygon Area  Lake name | Rec |
| Volleyball | Polygon, Point | Polygon Perimeter  Polygon Area | Rec |
| Fire Hydrants | Point | N/A | Building |
| Trail Access | Point | Name of trail | Trails |

I decided that the hiking trails/camp paths, trail access points, fire hydrants, parking lots, roads, and buildings were the most important information to include in a fire hazard plan. The parking lots are possible gathering/group evacuation points, the paths and access points are outdoor areas that pose the greatest risk to campers in those areas, roads are both an entry and a exit for firefighters and for evacuation, and fire hydrants are important for firefighting personnel.

Conclusion: I’ve never really thought about using a map to create any sort of evacuation plan, although I see now that it makes a lot of sense to do so. I’m learning that there are a lot of relationships between these activities and my desired role of an urban planner. If I am a planner of some sort working for a forested area, then something like this would be critical to the safety of the residents and visitors of the more remote areas. I appreciate the applicability of this assignment.

Map:

