Potential Campsites for Babine Mountains Park

This project is to determine if there are any potential campsites to be found in the Babine Mountains Park area just north of Smithers. Due to the remoteness of the area, no major paved roads are found in the area, thus this project took into consideration that the campers would have a vehicle that is capable on the rough roads.

The factors used to determine suitable campsites are as followed:
- the site was no farther than 1000m of a road
- no farther than 500m from a river
- no farther than 500m from a lake
- on a slope that was no greater than 5 degrees

In a previous analysis, I tried to make that distances much shorter but there was almost no areas to be found.
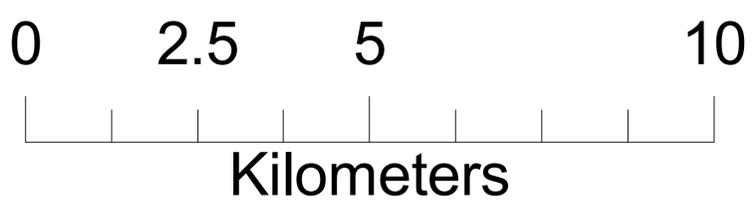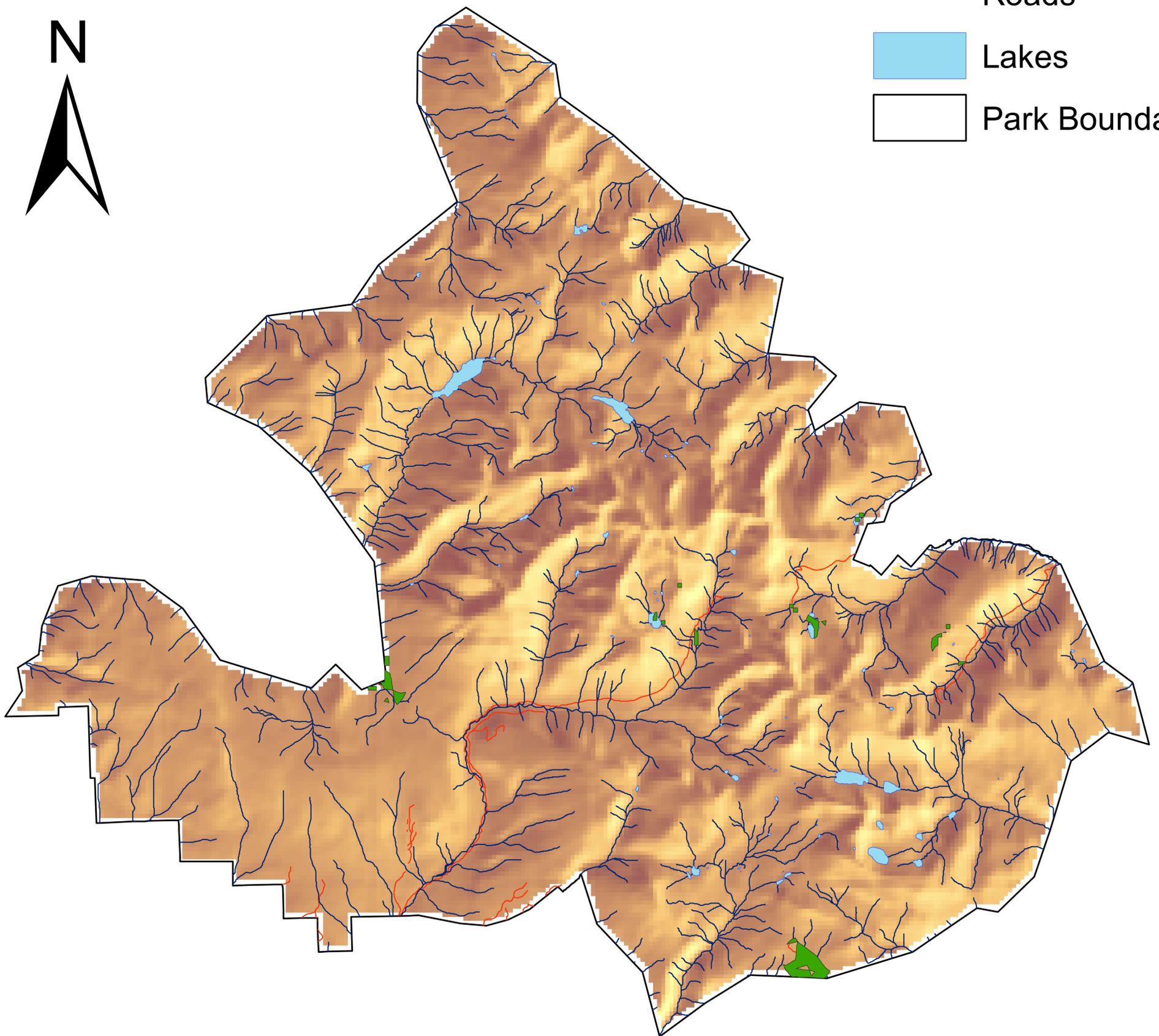
Using data found from mainly the UNBC GIS website, I collected the roads, rivers, and lake data for the TRIM areas of 93L097-95, 93L87-85, and 93M006 to cover the entire boundary of the park which was given to me by Roger Wheate. The DEM layer was also obtained through the website and a mosaic was created to connect the two zones together

After merging the layers into the same layer for rivers, roads, and lakes, I began my analysis. After 3 attempts for distances with lakes and rivers being 100m, 200m, and 300m and roads being 200m, 400m, and 600m, no campsites could be found. With roads at 1000m and rivers and lakes at 500m, campsites could be found but due to the remoteness of the areas, this would not be recommended for the beginner hiker and tents only area. I chose to have the lakes and rivers separate for tourist attraction. Many people would like to see both lakes and rivers and due to the distance travelled to the area, it would be best if they could see both for marketing purposes. I decided to not change the slope factor because any steeper of a slope would make for very unattractive and uncomfortable campsites.

Potential Campsites of Babine Mountains Park

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Legend

Camp Sites

Rivers

Roads

Lakes

Park Boundary

0   2.5   5   10

Kilometers