Data Analysis of Eskers Provincial Park

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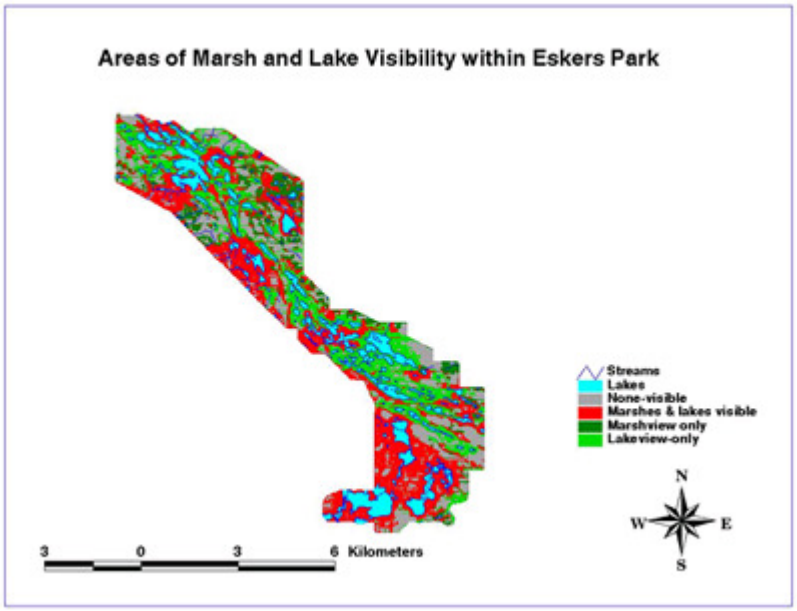
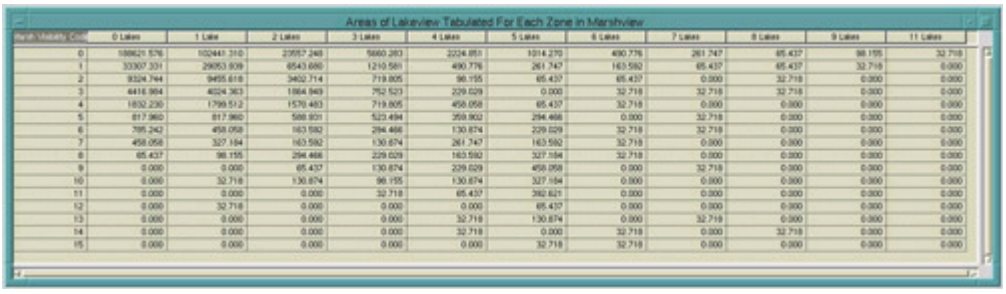


The purpose of this project was to look at a simple data set, and perform some sort of analysis using the skills obtained in GEOG 413.

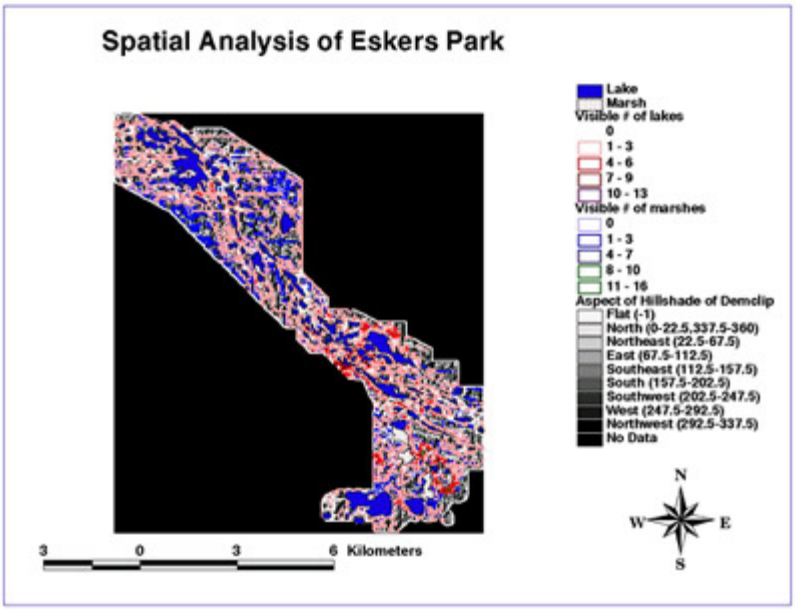
After importing the .e00 files for the area known as Eskers Park, we clipped the data soa view could be created for just the area within the park boundary. Initially, the plan was to GPS the trails of the region, to do a slope analysis of trail steepness and slope stability. However, it was difficult to obtain proper data with the TRIMBLE unit, thiscould have been due to the satellite positioning at the time, the dense cloud cover, or, simply, incorrect use.

So, after looking at the data, we decided to perform a visibility analysis, to see which slopes had views of lakes, marshes, or a combination of the two. This can be seen in the following map output:

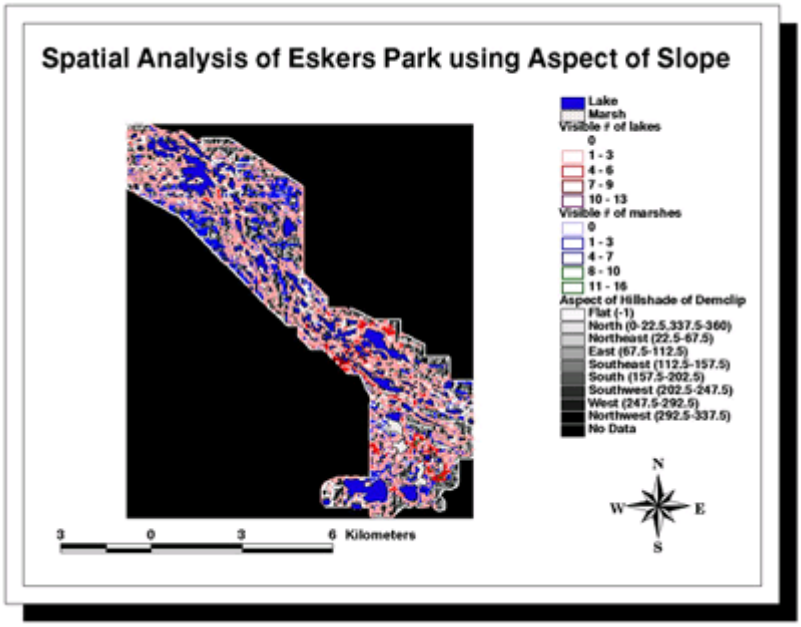
After visibility indexes were created, spatial analysis was invoked, to obtain info on what area of the park (in square metres) it was possible to view what number of lakes and marshes, using lake visbility codes as the columns, and marsh visibility codes for the rows, the following table was created:



Then, using hollow outlines for the polygons, the visibility codes were projected over the hillshade:



And the aspect:



In order to create a greater understanding of why there was such a chance of lake or marsh visibility.

In conclusion, it should be noted that this analysis of visibility does not take into account line of sight due to vegetation.