



CEE 5190/6190: GIS for Civil Engineers

Instructor: Jeffery Horsburgh

Assignment 4 Layouts and Maps

Submitted by
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1. The map provided along with the geodatabase was used to recreate the layout provided in figure. Figure 1 shows the map of Logan River Land Cover, watershed, streams and water courses, cities and town, major roads with 2-column legend, locator map, scale bar with units in miles, a north arrow and credit sections.
2. For this question two vector datasets (Showing Adams neighborhood, Road network in Adams Neighborhood) used in assignment 3, downloaded for the project work was used. Raster dataset downloaded for the assignment 3 from National Elevation Dataset was used and was clipped for to show feature difference in the area of Adams Neighborhood. Map was created providing proper symbology and transparency. Figure 3 shows the map with legend, scale bar in kilometers, north arrow, locator map, credits, a title to map.

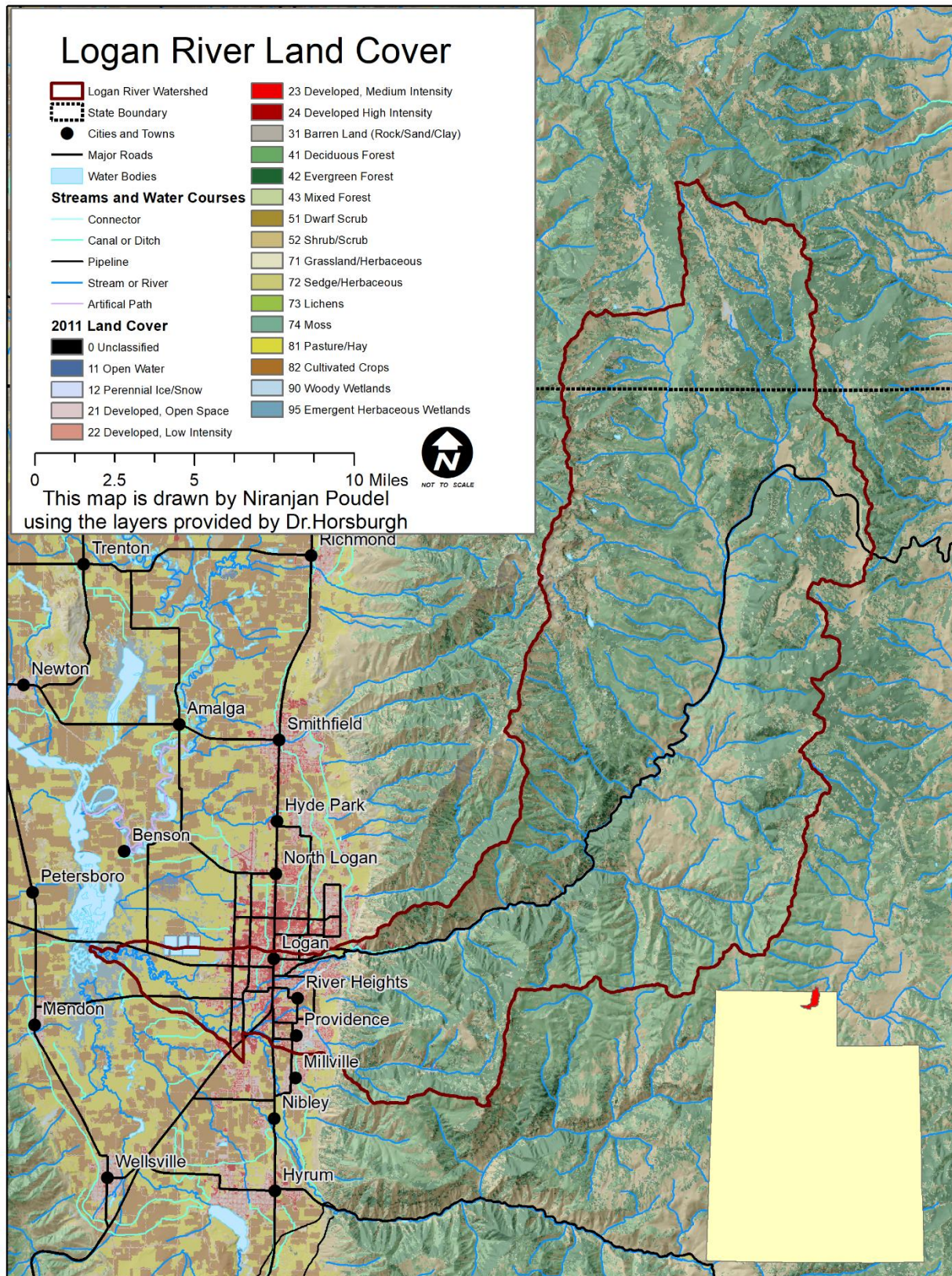


Fig 1: Map of Logan River watershed showing landcover and hydrological features.

Road Networks by Owner in Adams Neighborhood

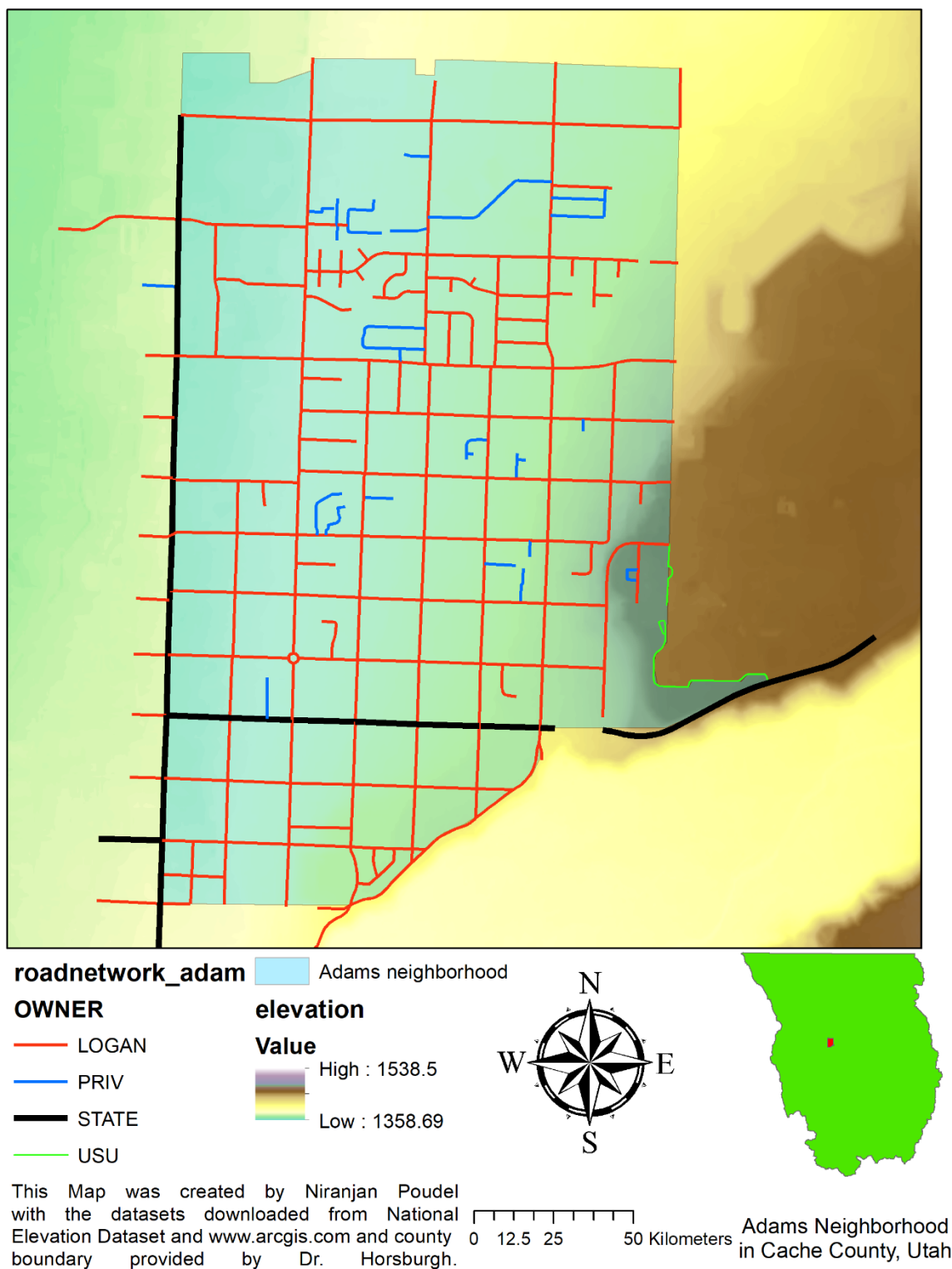


Fig 2: Map of Adams Neighborhood showing road network system by owner.

CEE 5190 / 6190
Assignment 4. Using Layouts and Creating Maps

Item	Standard	Points Available	Points Awarded
Formatting	Submission conforms to formatting requirements in the Syllabus, including title page.	5	
1	<p>Full-page exported map must be identical to the one shown in the problem statement, but must also include “Credits” and a figure caption. The points for each of the map elements are as follows:</p> <ul style="list-style-type: none"> • 5 points for the title • 10 points for a 2 column legend showing the watershed boundary, state boundary, cities and towns, major roads, water bodies, streams and water courses, and the NLCD land cover classes • 5 points for a scale bar in units of <u>miles</u> • 5 points for the north arrow • 10 points for the inset locator map • 5 points for an appropriate figure number and caption • 5 points for the “Credits” either directly in the map or as part of the figure caption. 	45	
2	<p>Full-page exported map that is presentable and clearly conveys the theme you have selected. The points will be allocated as follows:</p> <ul style="list-style-type: none"> • 15 points for appropriately symbolized raster and vector features and legend. • 5 points for an appropriate title that explains the theme of the map • 5 points for a north arrow • 5 points for a scale bar in <u>kilometers</u> • 10 points for a locator map that shows the general location of the area depicted in the map. • 5 points for an appropriate figure number and caption • 5 points for dataset “Credits” either directly in the map or as part of the figure caption 	50	
Total		100	