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Figure 1: A screenshot of the Menan Buttes dataset that has been imported into Excel as a space-delimited file.

Menan Buttes, ID, USA
Elevation Map

Elevation (ft.)

High : 5619

Low : 4771

0 50 100   200   300   400   500
Miles
1 inch = 0 miles

N
W   E
S

Author: Jeremy Toepp
Date Saved: 10/4/2018

Source: Chang, 2016
XY Coordinate System

Figure 2: An elevation map of the Menan Buttes in Idaho, USA, that has not been georeferenced yet and is in the XY coordinate system. As such, the scale bar, scale text, and North arrow are not reliable.

On my honor, as a Mississippi State Student, I have neither given nor received unauthorized assistance on this academic work.

Figure 3: A map depicting Band 4 (NIR) on the red channel to highlight areas of vegetation. It has not been georeferenced yet and is in the XY coordinate system. As such, the scale bar, scale text, and North arrow are not reliable.

On my honor, as a Mississippi State Student, I have neither given nor received unauthorized assistance on this academic work.

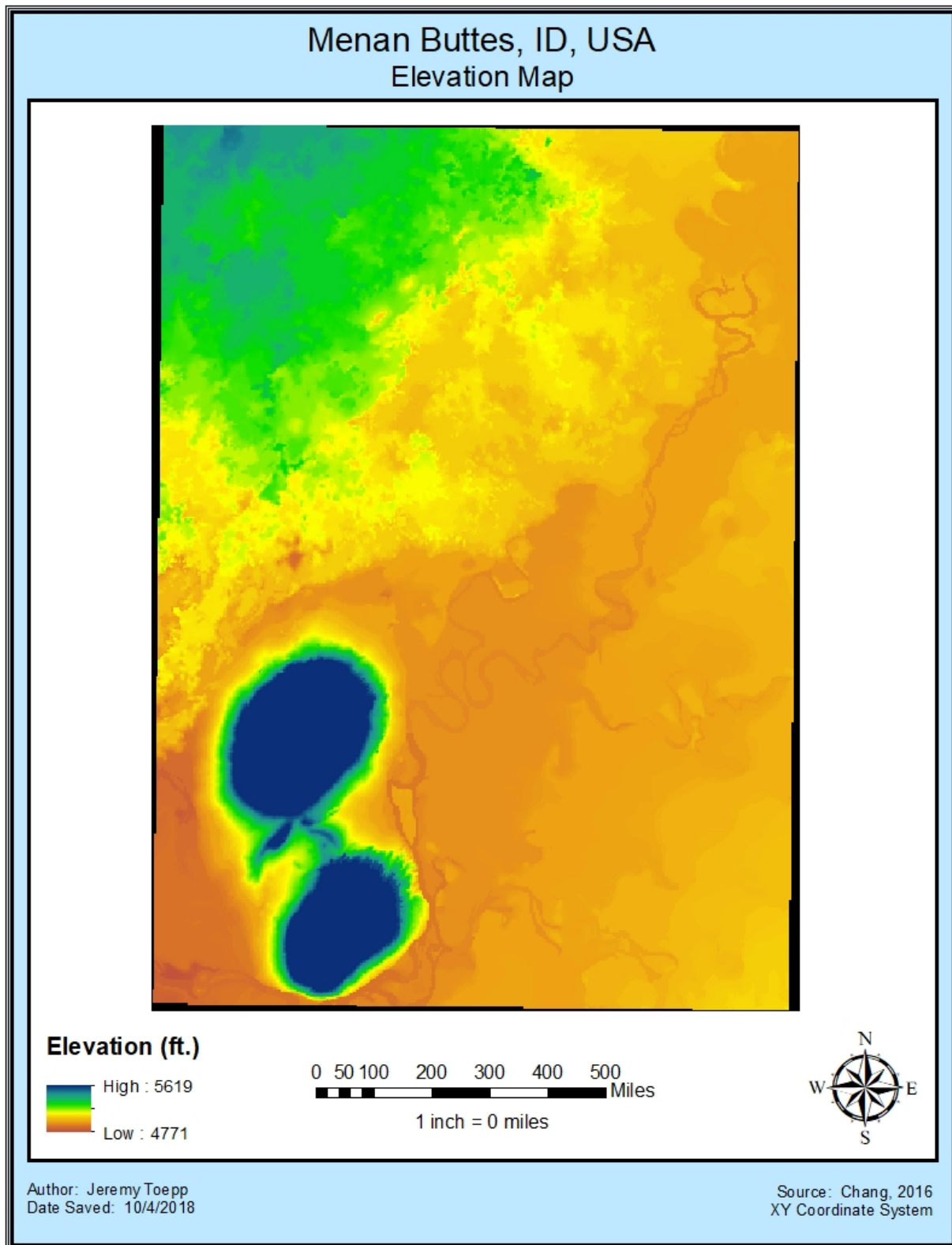| Identify	□ ×
Identify from:	◆ nwroads_gd ▾

⊟ nwroads_gd
  └ 5

Location:	-1,825,150.111 1,217,305.965 Meters

Field	Value
Pixel value	5
Rowid	4
COUNT	223
RTE_NUM1	5

Identified 1 feature

Identify	□ ×
Identify from:	◆ nwroads ▾

⊟ nwroads
  └ Multi-Lane Divided

Location:	-1,825,546.986 1,218,364.300 Meters

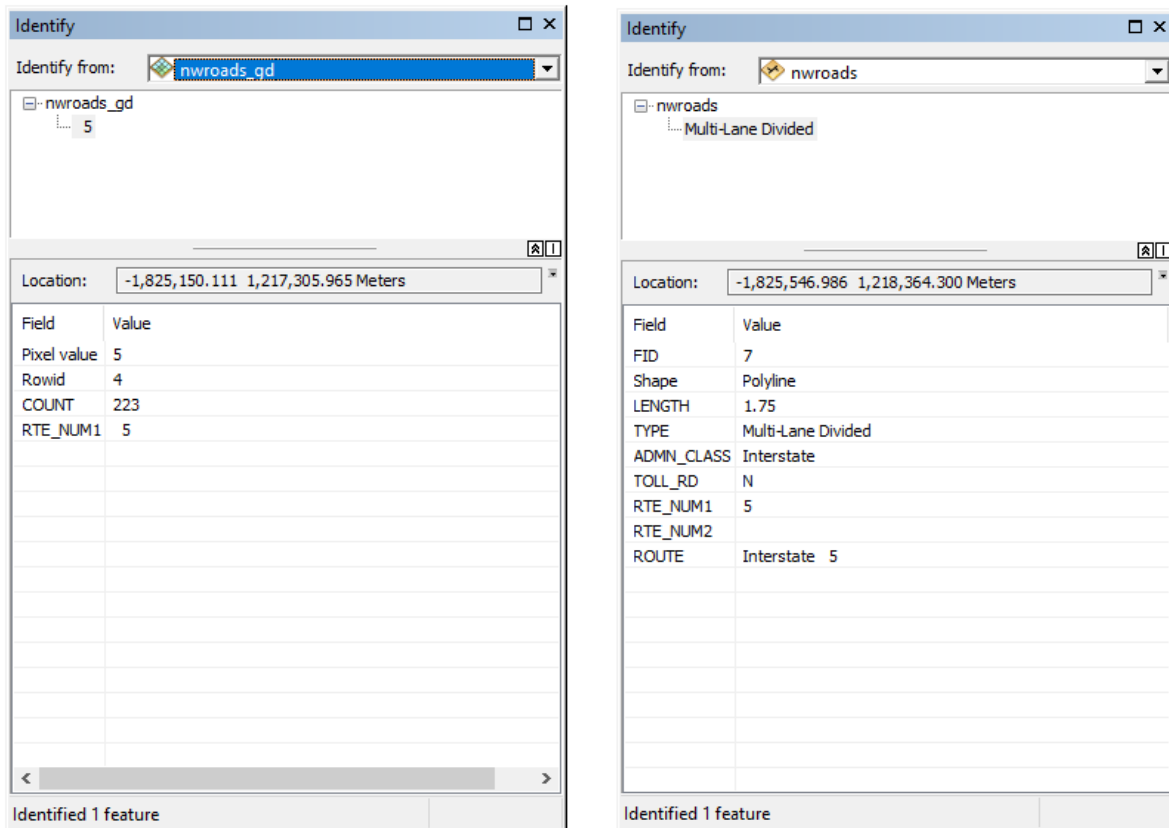| Field	Value
FID	7
Shape	Polyline
LENGTH	1.75
TYPE	Multi-Lane Divided
ADMN_CLASS	Interstate
TOLL_RD	N
RTE_NUM1	5
RTE_NUM2	
ROUTE	Interstate 5

Identified 1 feature

Figure 4: Two screenshots depicting raster (left) and vector (right) data using the Identify tool in ArcGIS. The two are different due to the conversion from a vector to a raster, which causes attributes of the vector to be lost.
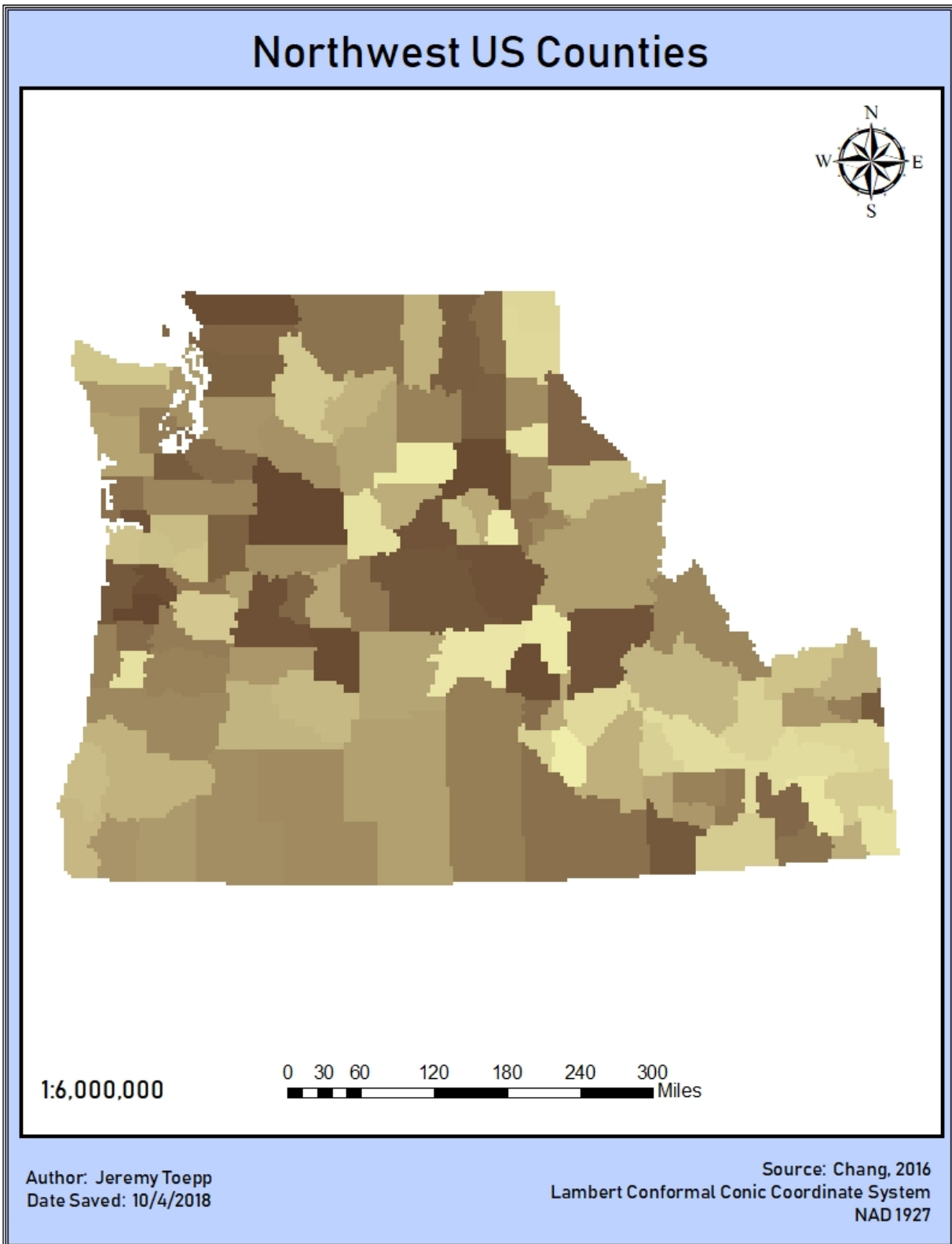
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Figure 5: A map depicting the counties of the Northwest United States transformed into a low-resolution raster image.

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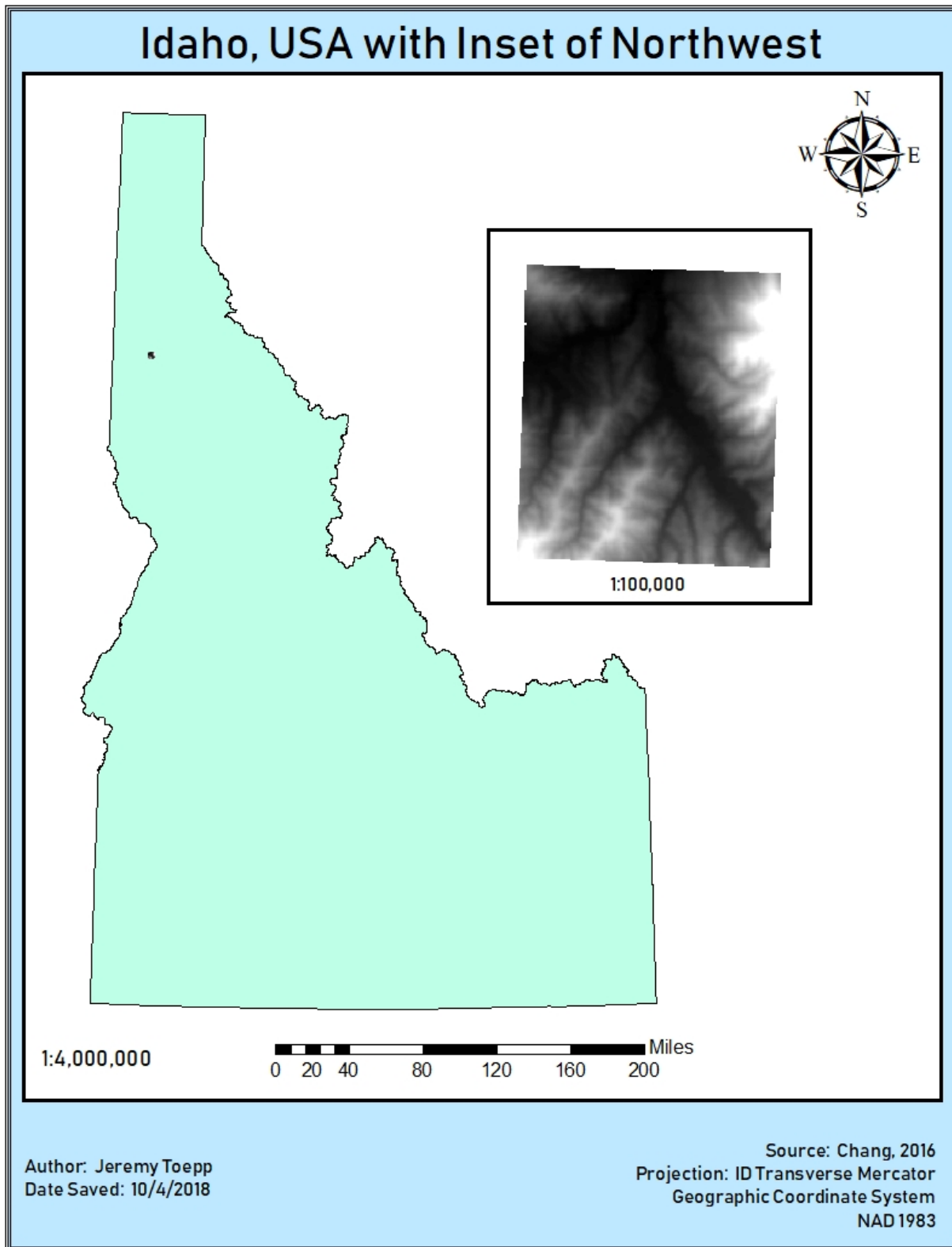
Figure 6: A map depicting Idaho, US, along with an inset depicting a portion of the Northwest as a topographical map.

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