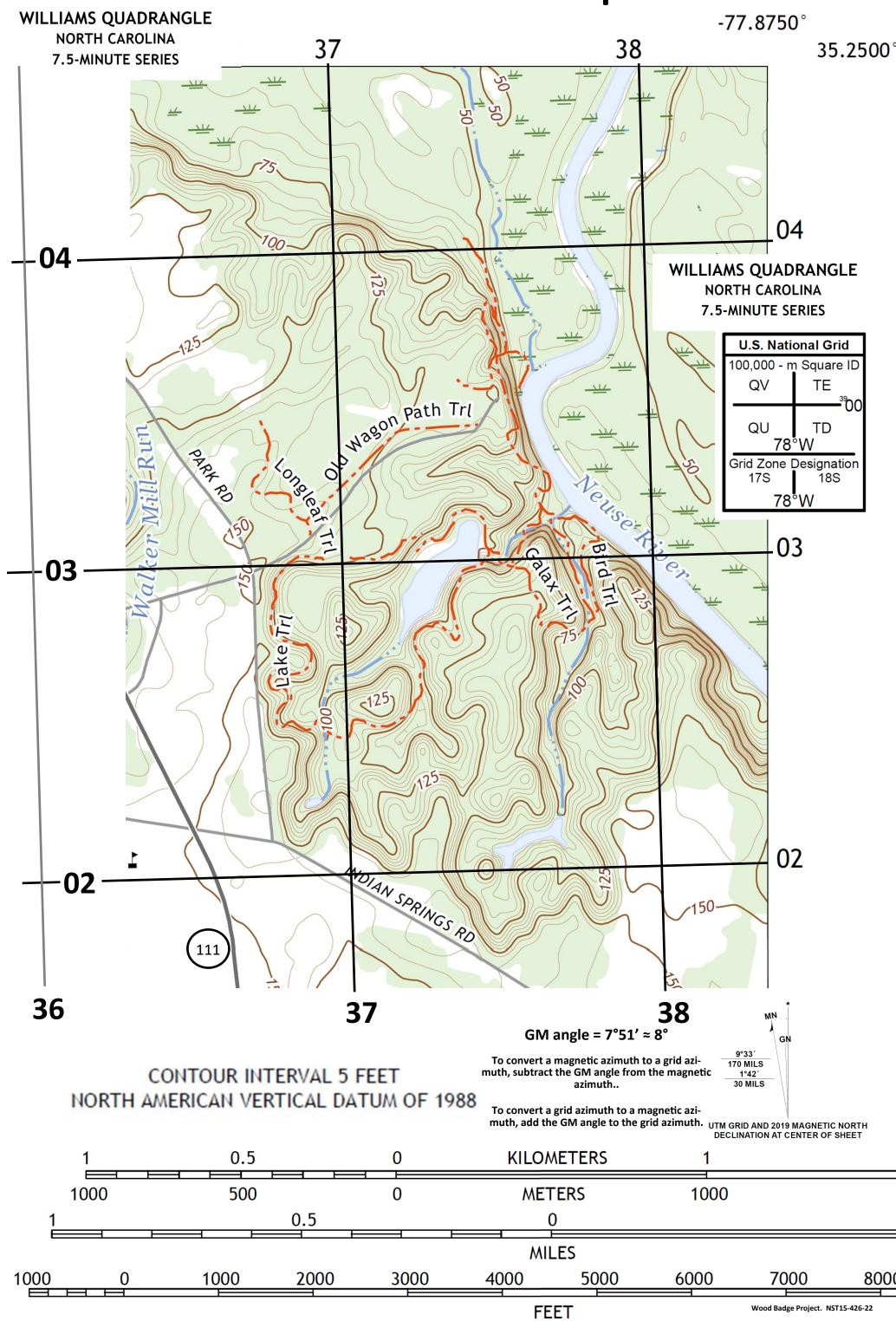
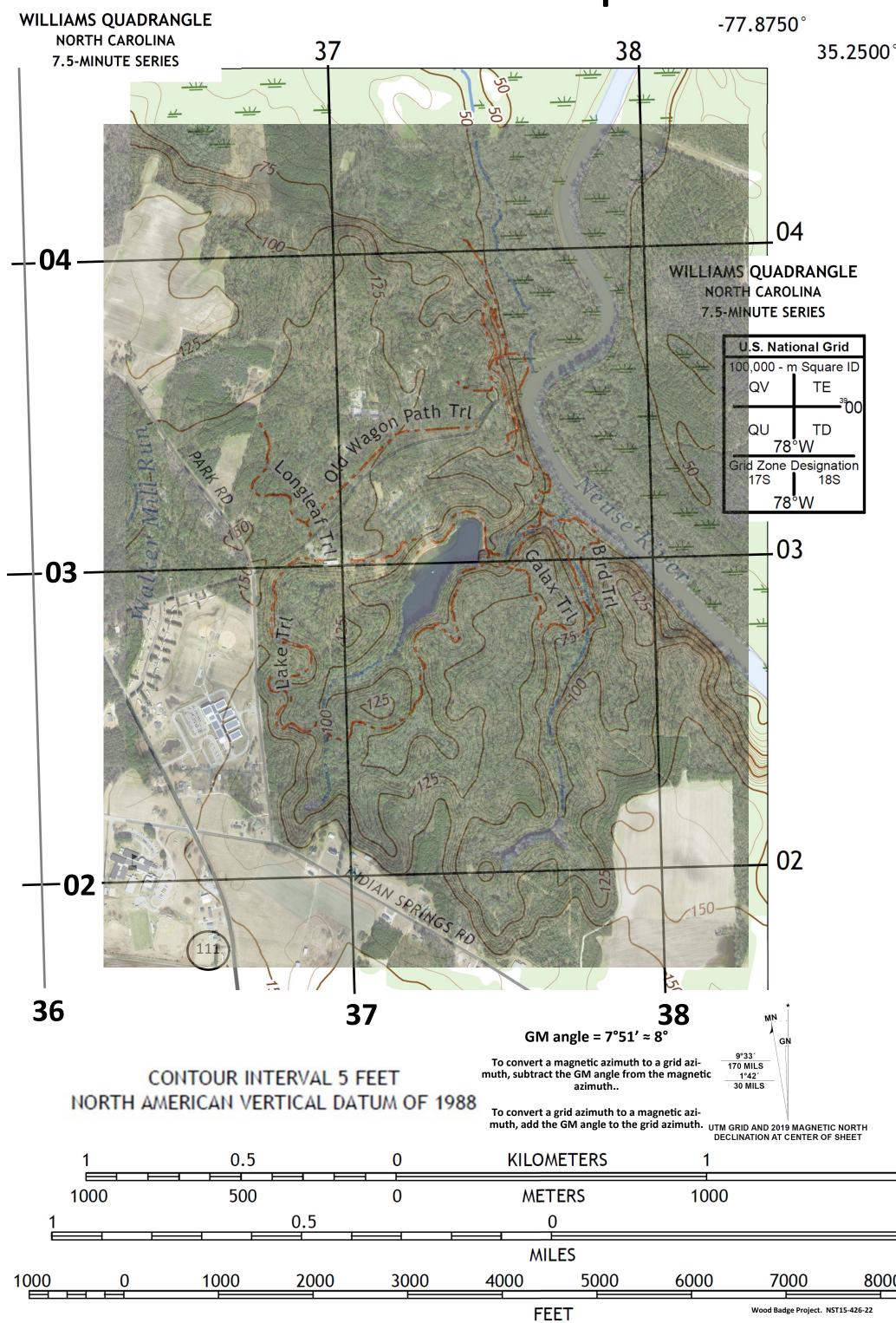
## **Cliffs of the Neuse Park Special**



Questions or recommendations contact Mark Blanchard, Troop 937. 703-203-8461 mmblanchard01@gmail.com

## **Cliffs of the Neuse Park Special**

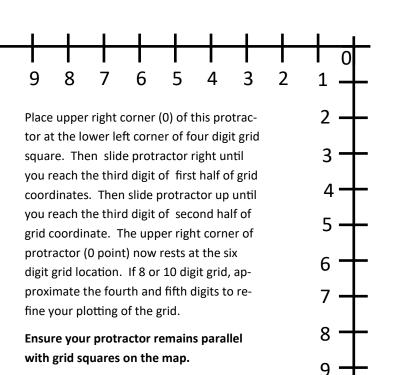


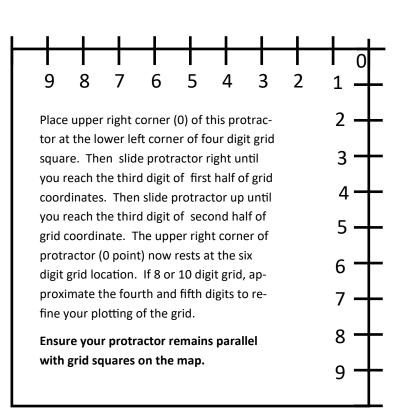
Questions or recommendations contact Mark Blanchard, Troop 937. 703-203-8461 mmblanchard01@gmail.com

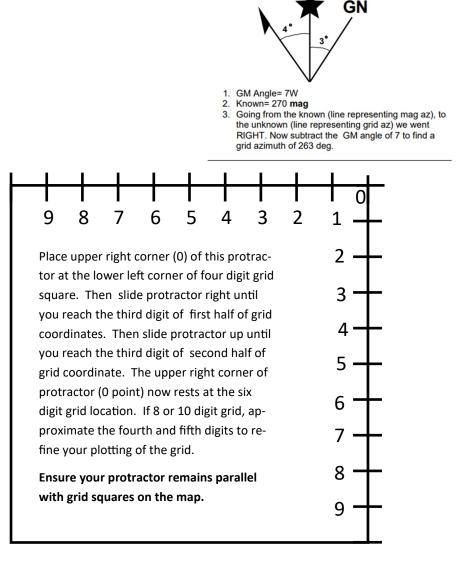
## **Cliffs of the Neuse Park Special**

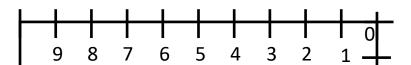
CUT THESE OUT ALONG SQUARE—Only use with Cliffs of the Neuse Park Special LARS stands for Left Add, Right Subtract, and is used when going from the known azimuth to the unknown azimuth, irrespective of grid or magnetic azimuth. Once one has created a declination diagram and found the GM angle, LARS users are concerned only with the direction (right or left) from the known angle (azimuth) to the unknown angle, for the cardinal direction (east or west) is no longer relevant. Once the appropriate direction is determined, the GM angle is then added or subtracted to the known azimuth.

In this example, the known azimuth is 270 magnetic. Using LARS, convert to a grid azimuth.









2

3

4

5

6

7

8

9

2

3

Δ

5

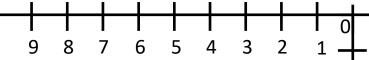
6

8

9

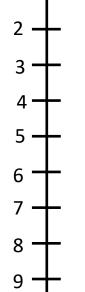
Place upper right corner (0) of this protractor at the lower left corner of four digit grid square. Then slide protractor right until you reach the third digit of first half of grid coordinates. Then slide protractor up until you reach the third digit of second half of grid coordinate. The upper right corner of protractor (0 point) now rests at the six digit grid location. If 8 or 10 digit grid, approximate the fourth and fifth digits to refine your plotting of the grid.

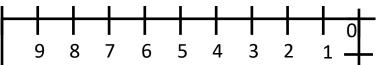
Ensure your protractor remains parallel with grid squares on the map.



Place upper right corner (0) of this protractor at the lower left corner of four digit grid square. Then slide protractor right until you reach the third digit of first half of grid coordinates. Then slide protractor up until you reach the third digit of second half of grid coordinate. The upper right corner of protractor (0 point) now rests at the six digit grid location. If 8 or 10 digit grid, approximate the fourth and fifth digits to refine your plotting of the grid.

Ensure your protractor remains parallel with grid squares on the map.





Place upper right corner (0) of this protractor at the lower left corner of four digit grid square. Then slide protractor right until you reach the third digit of first half of grid coordinates. Then slide protractor up until you reach the third digit of second half of grid coordinate. The upper right corner of protractor (0 point) now rests at the six digit grid location. If 8 or 10 digit grid, approximate the fourth and fifth digits to refine your plotting of the grid.

Ensure your protractor remains parallel with grid squares on the map.