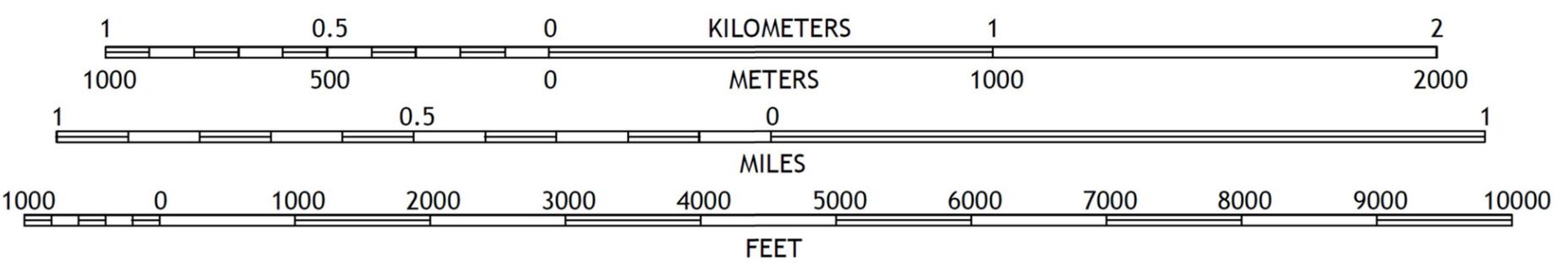
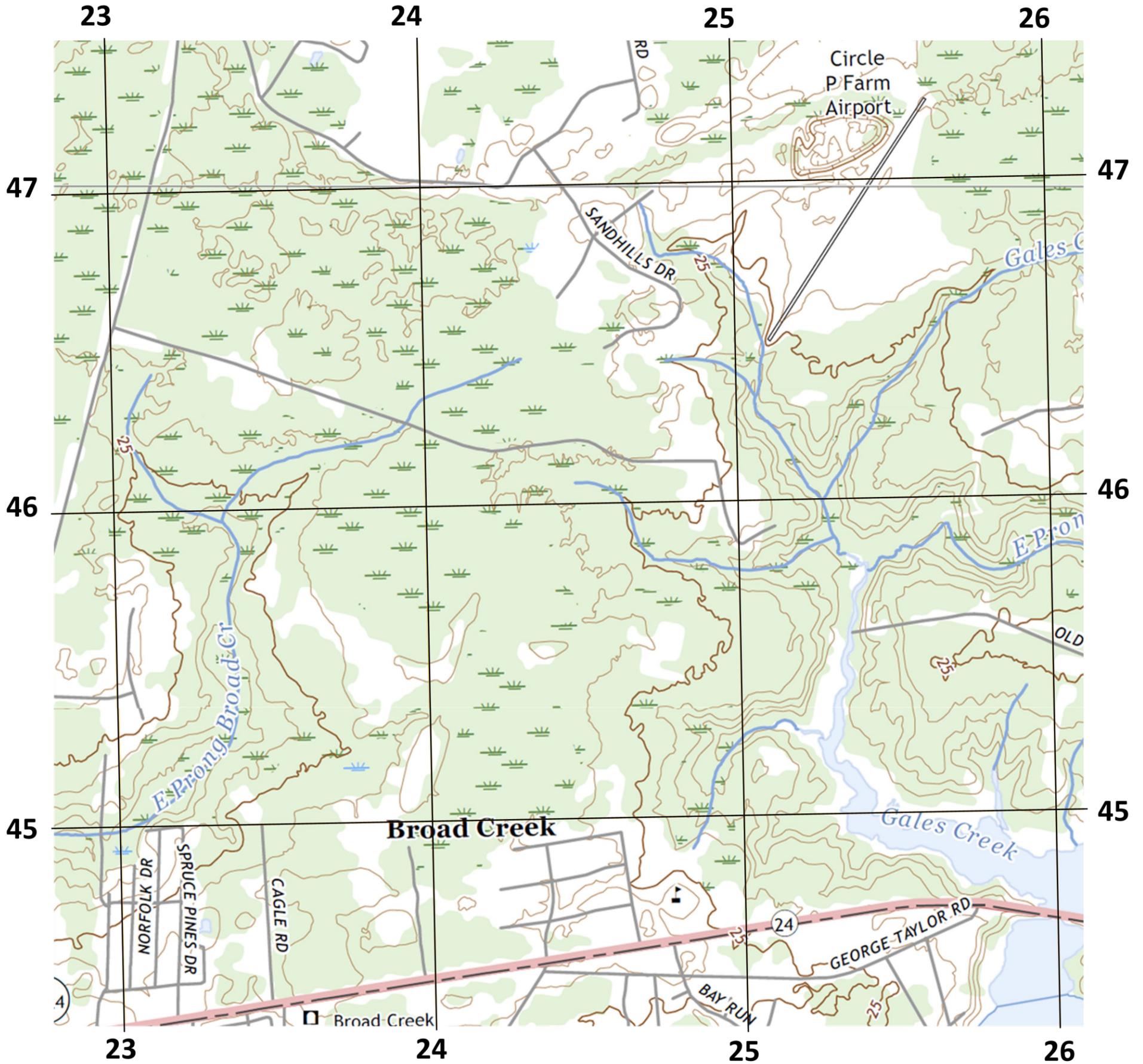


Camp Sam Hatcher Special



CONTOUR INTERVAL 5 FEET
 NORTH AMERICAN VERTICAL DATUM OF 1988

ROAD CLASSIFICATION

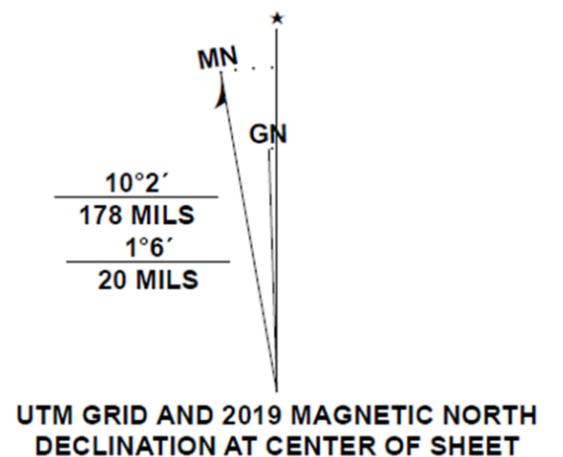
- | | | | |
|------------------|--------------------|-------------------------|--|
| Expressway | | Local Connector | |
| Secondary Hwy | | Local Road | |
| Ramp | | 4WD | |
| Interstate Route | US Route | State Route | |
| FS Primary Route | FS Passenger Route | FS High Clearance Route | |

Check with local Forest Service unit for current travel conditions and restrictions.

U.S. National Grid
 100,000 - m Square ID

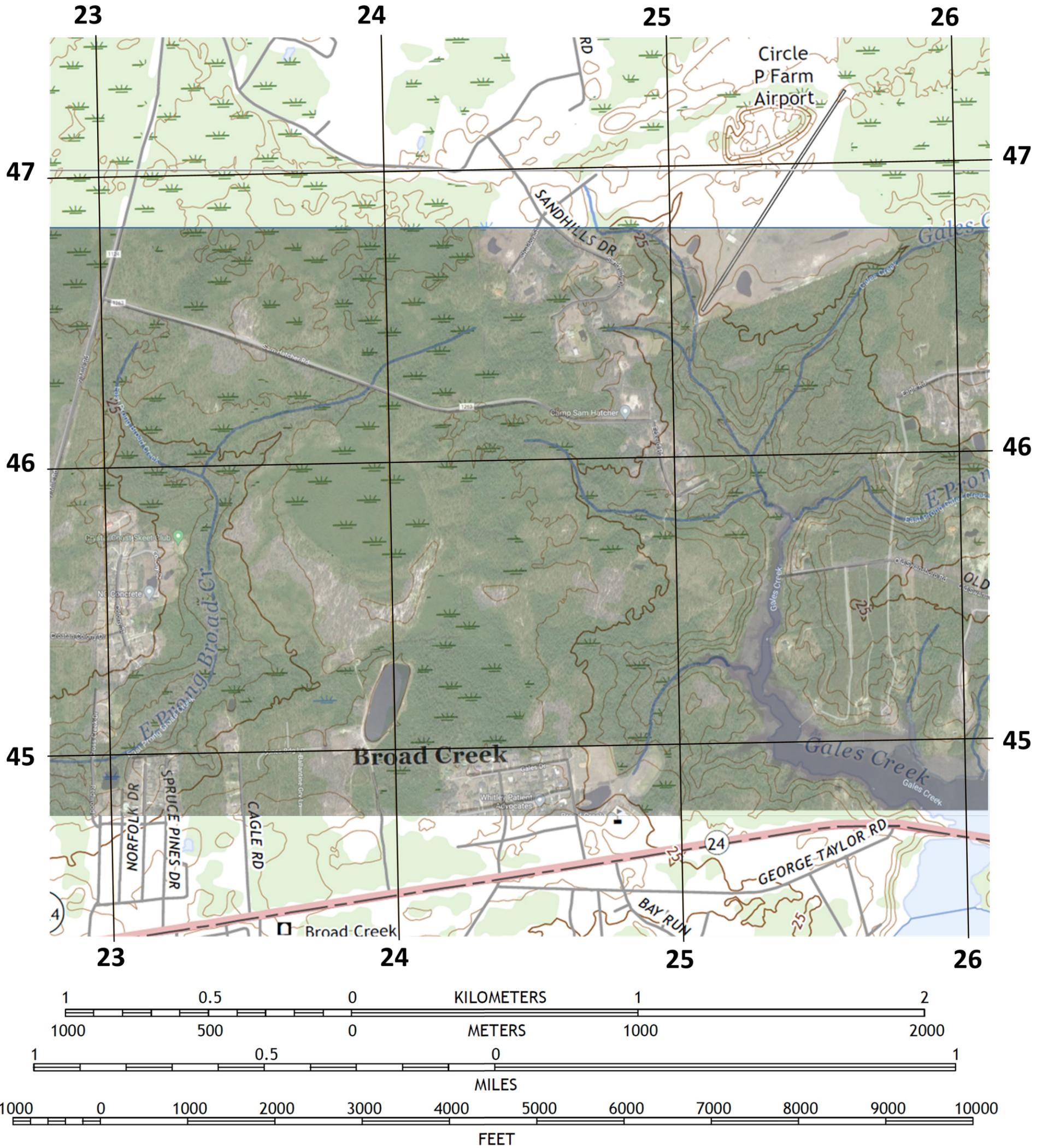
UD

Grid Zone Designation
 18S



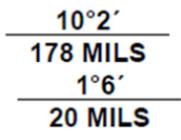
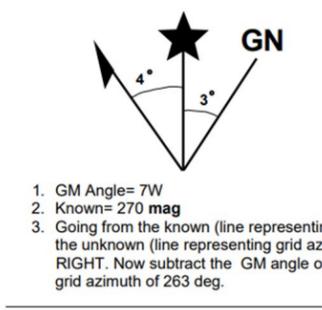
SALTER PATH, NC
 2022

Camp Sam Hatcher 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.



UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 5 FEET NORTH AMERICAN VERTICAL DATUM OF 1988

U.S. National Grid
 100,000 - m Square ID

UD

Grid Zone Designation
 18S

Cut me out to use as a protractor for plotting MGRS points.

9	8	7	6	5	4	3	2	1	0
---	---	---	---	---	---	---	---	---	---

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.