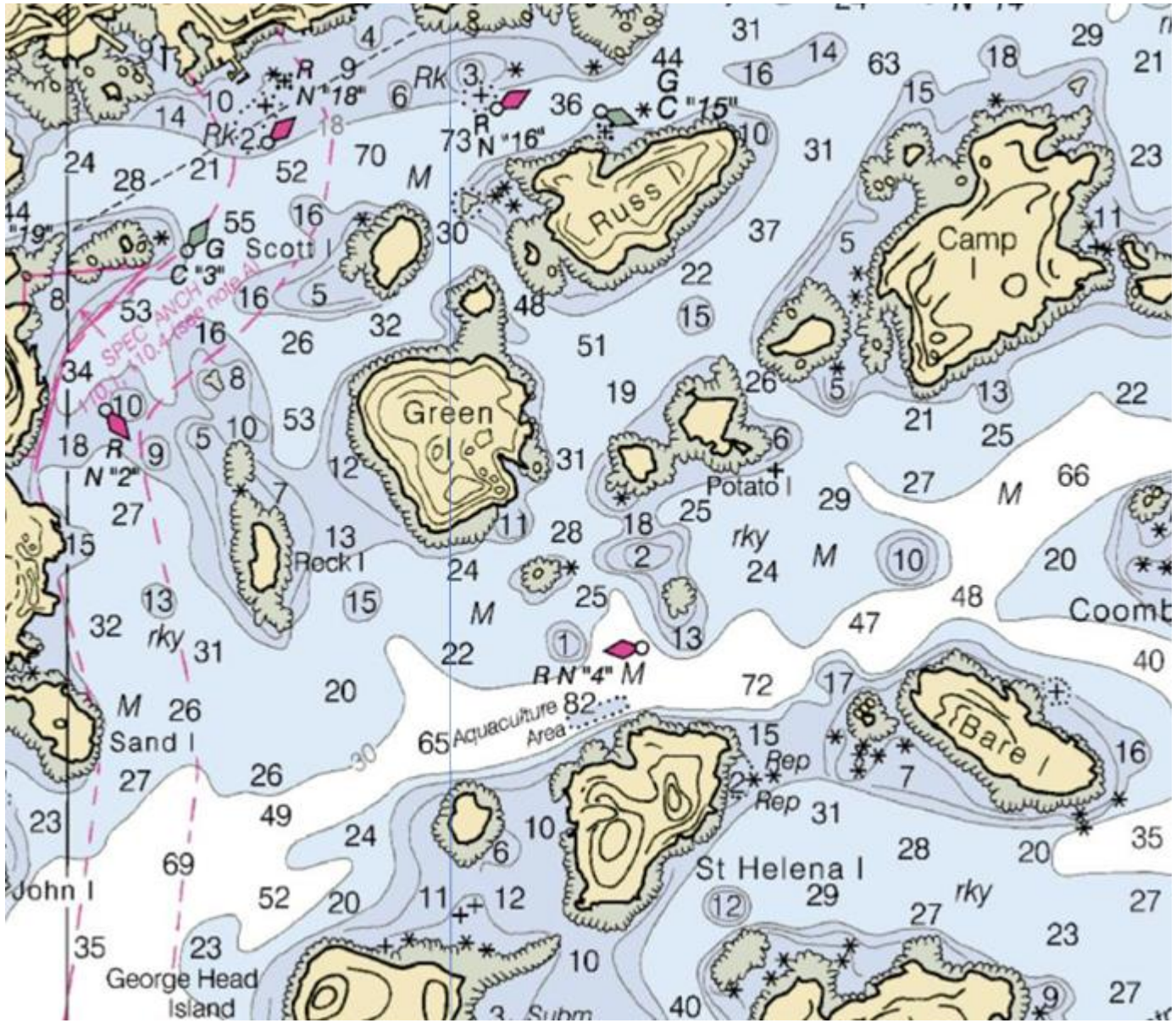
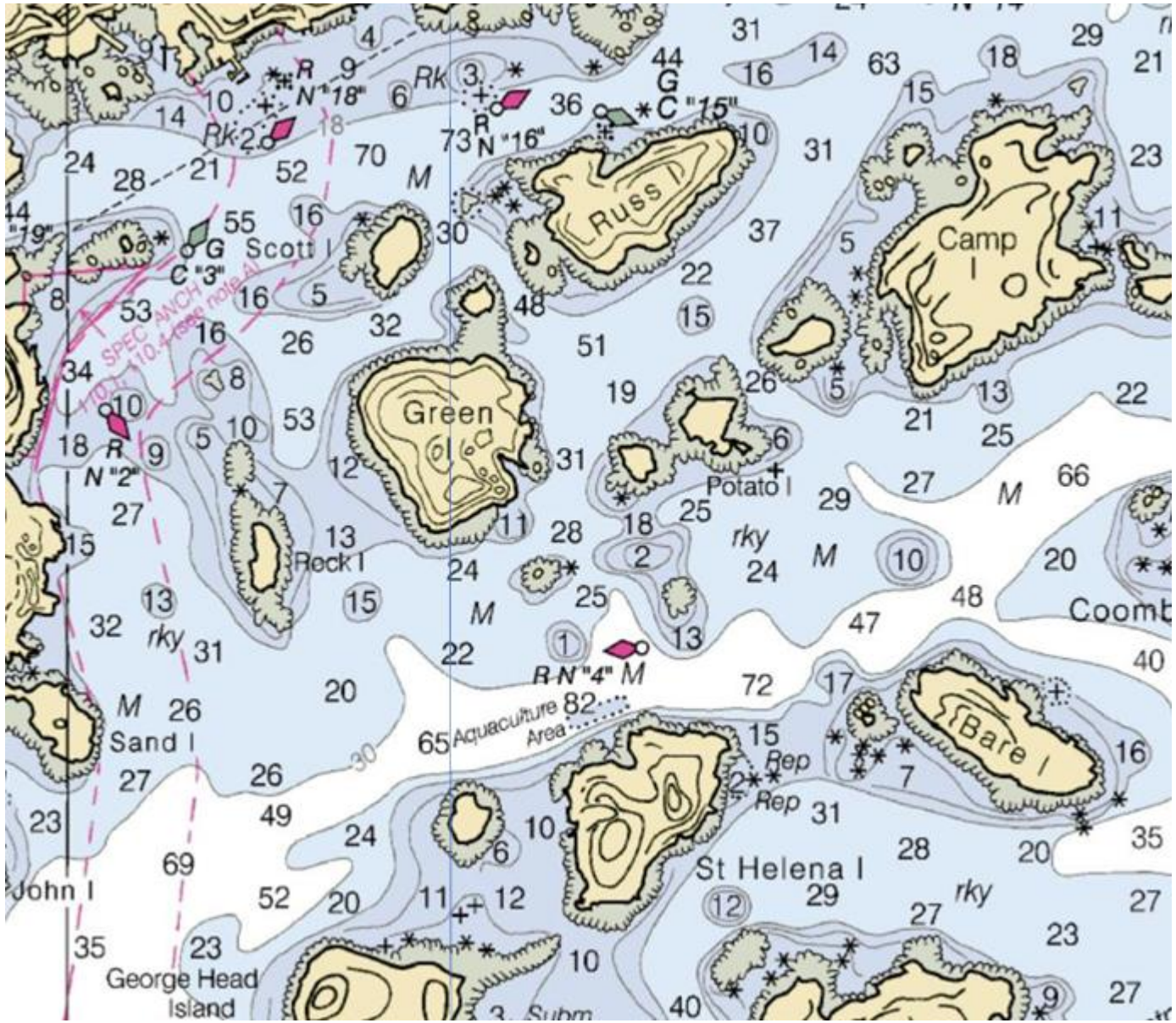
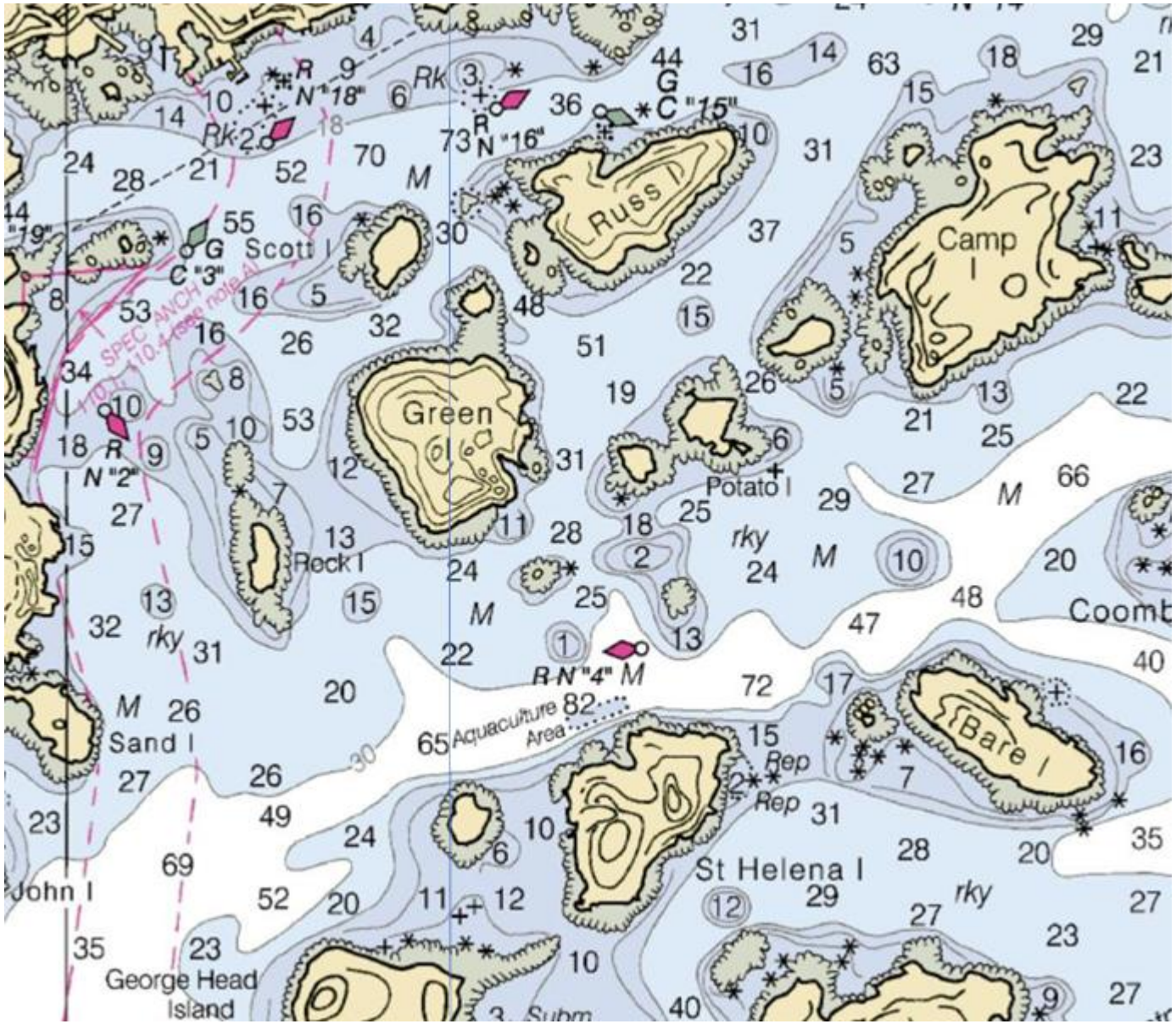


SOLUTIONS TO ASSIGNMENT 10

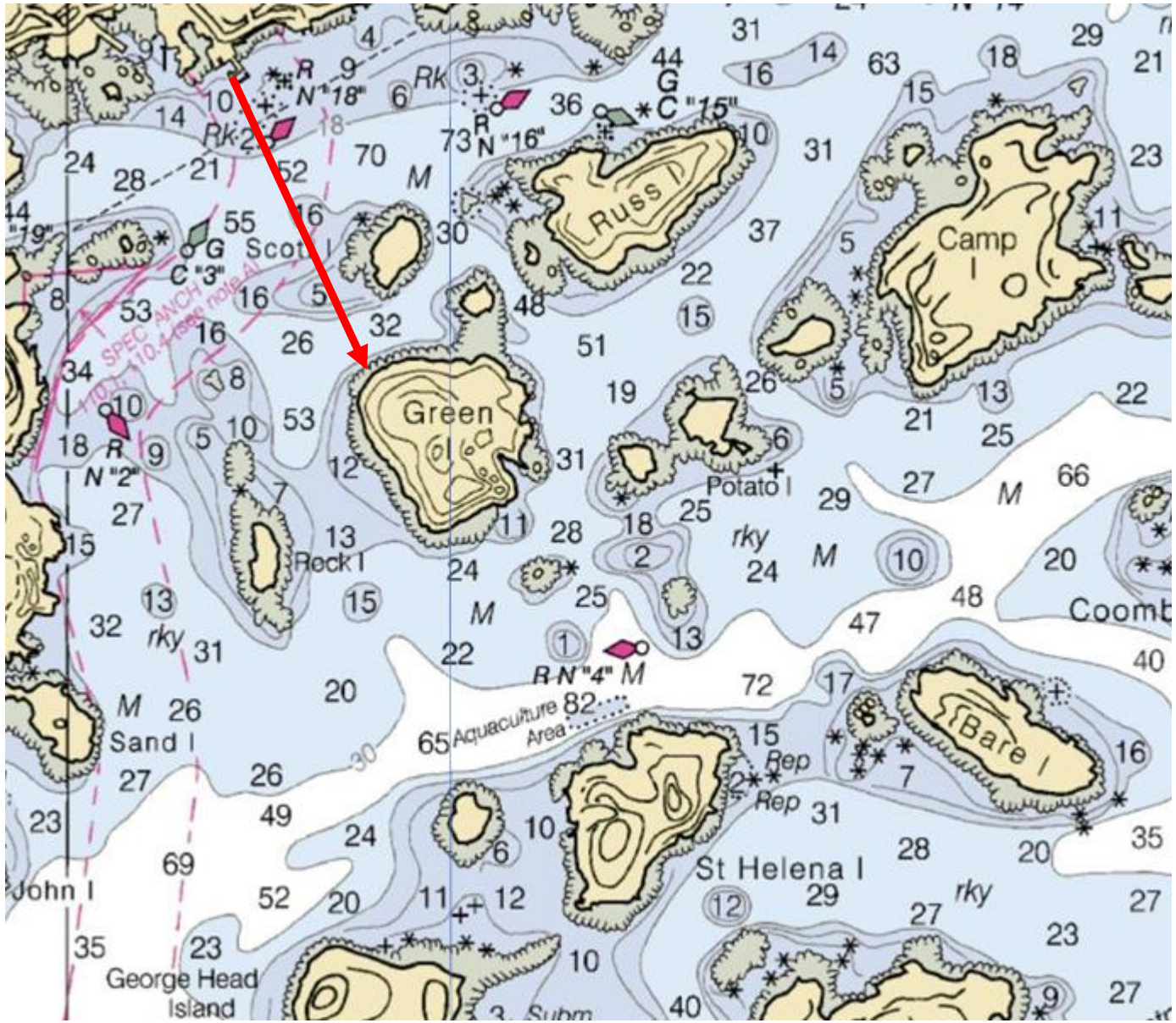


SOLUTIONS TO ASSIGNMENT 10

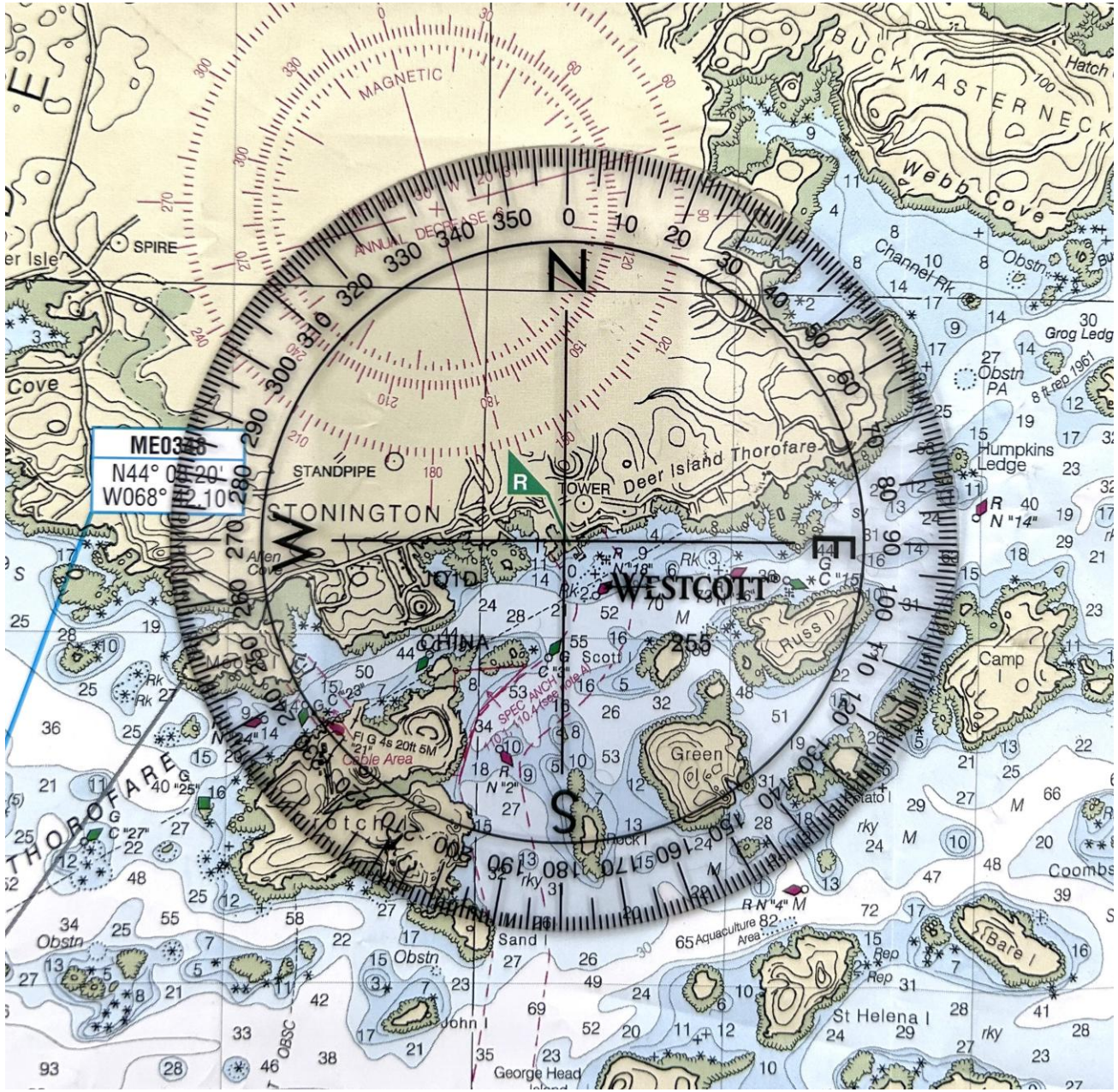
NOTE: If your answers in this assignment are within "plus or minus" 3° of my answers, your answers are correct!



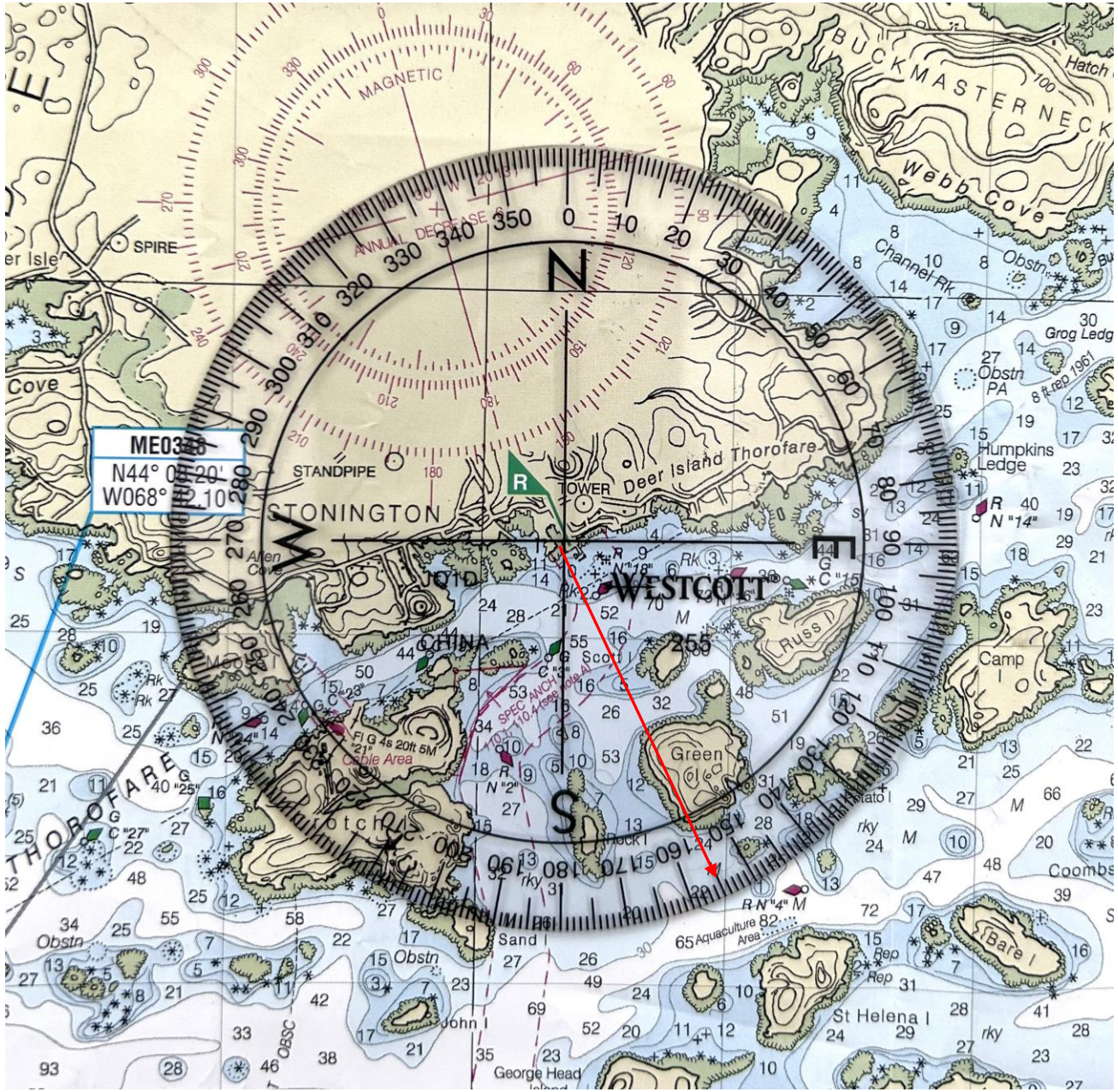
Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.



Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.

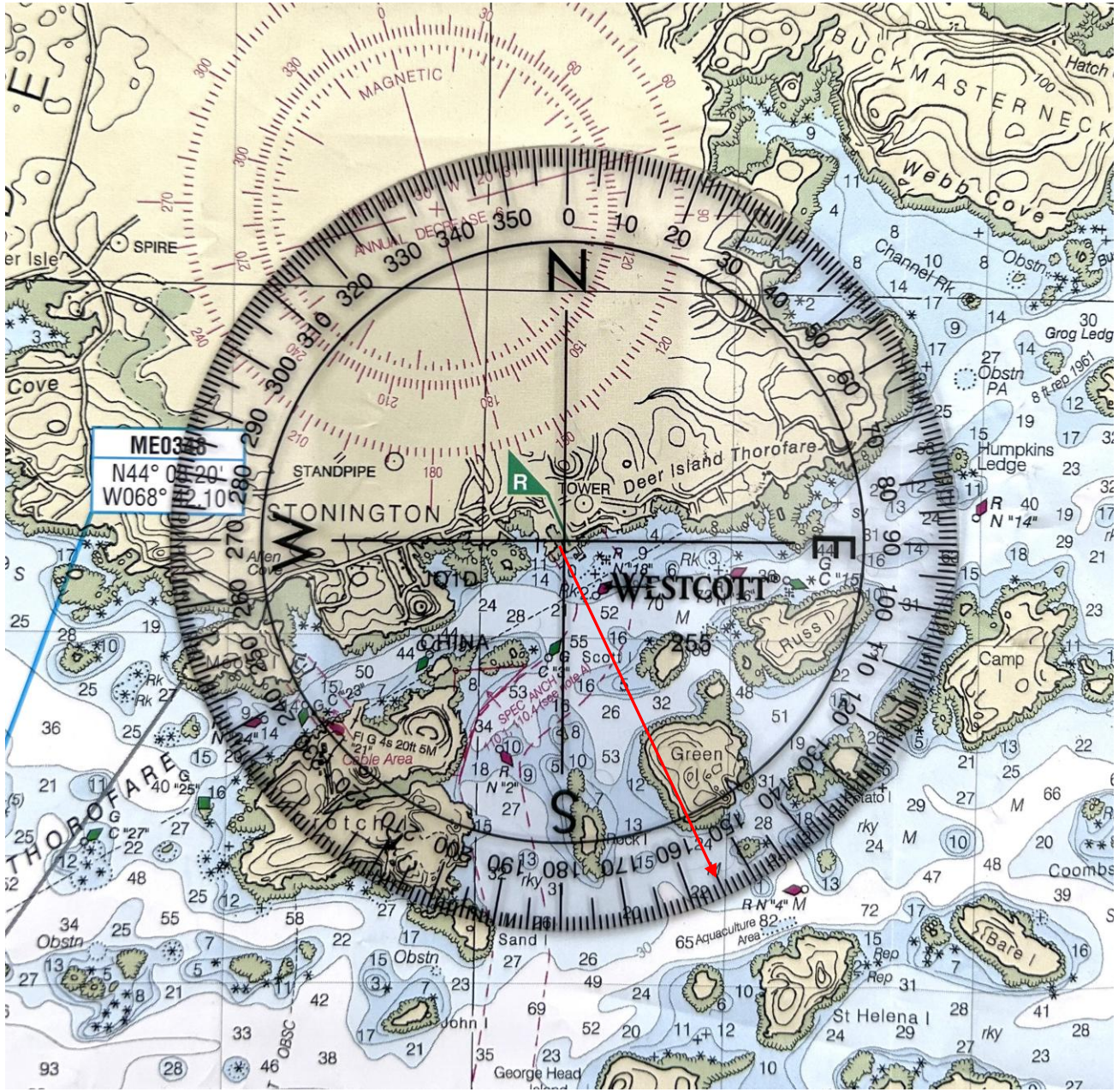


Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.



Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.

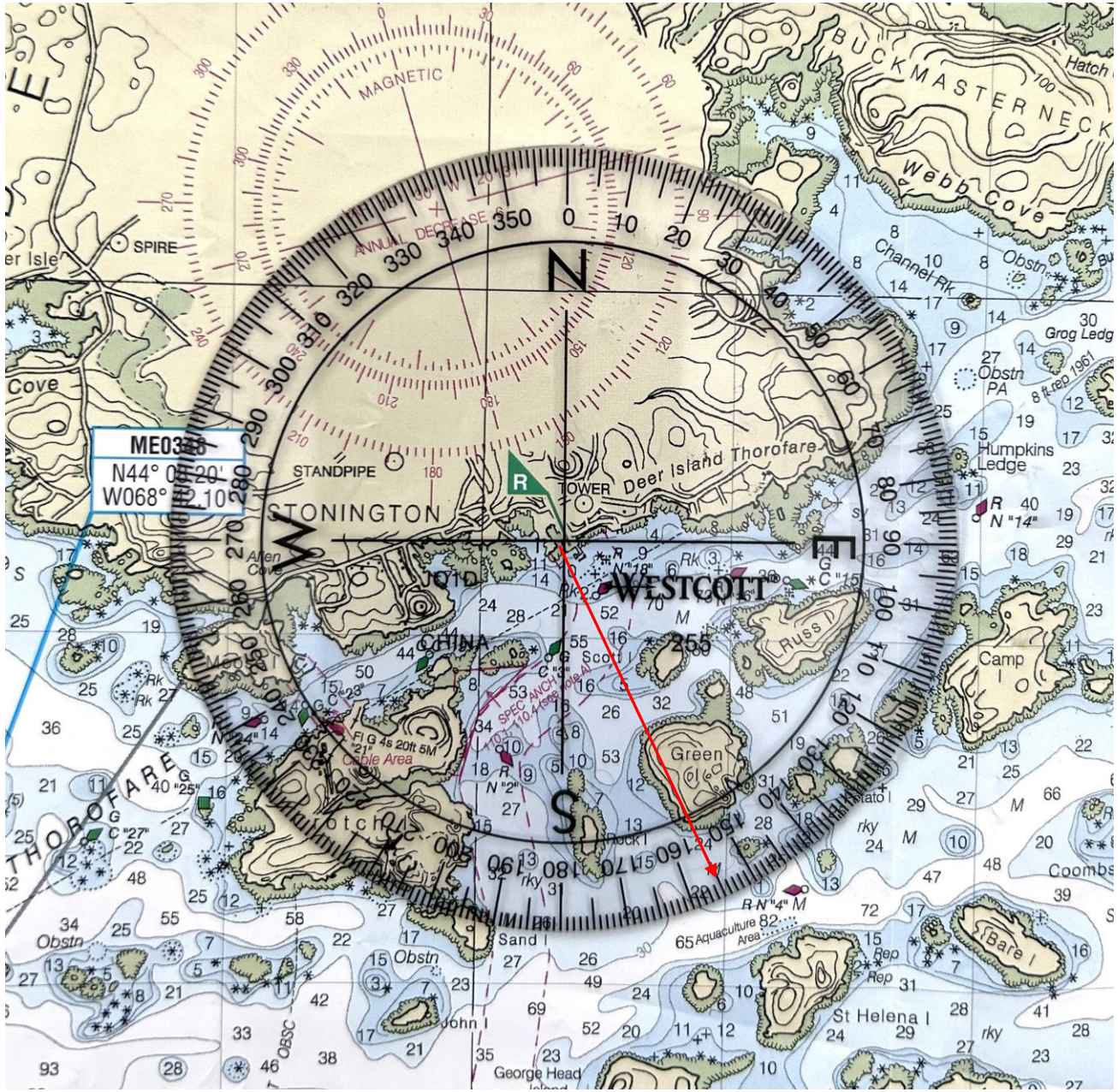
Bearing = 155º T



Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.

Magnetic = True + Variation

Bearing = 155º T

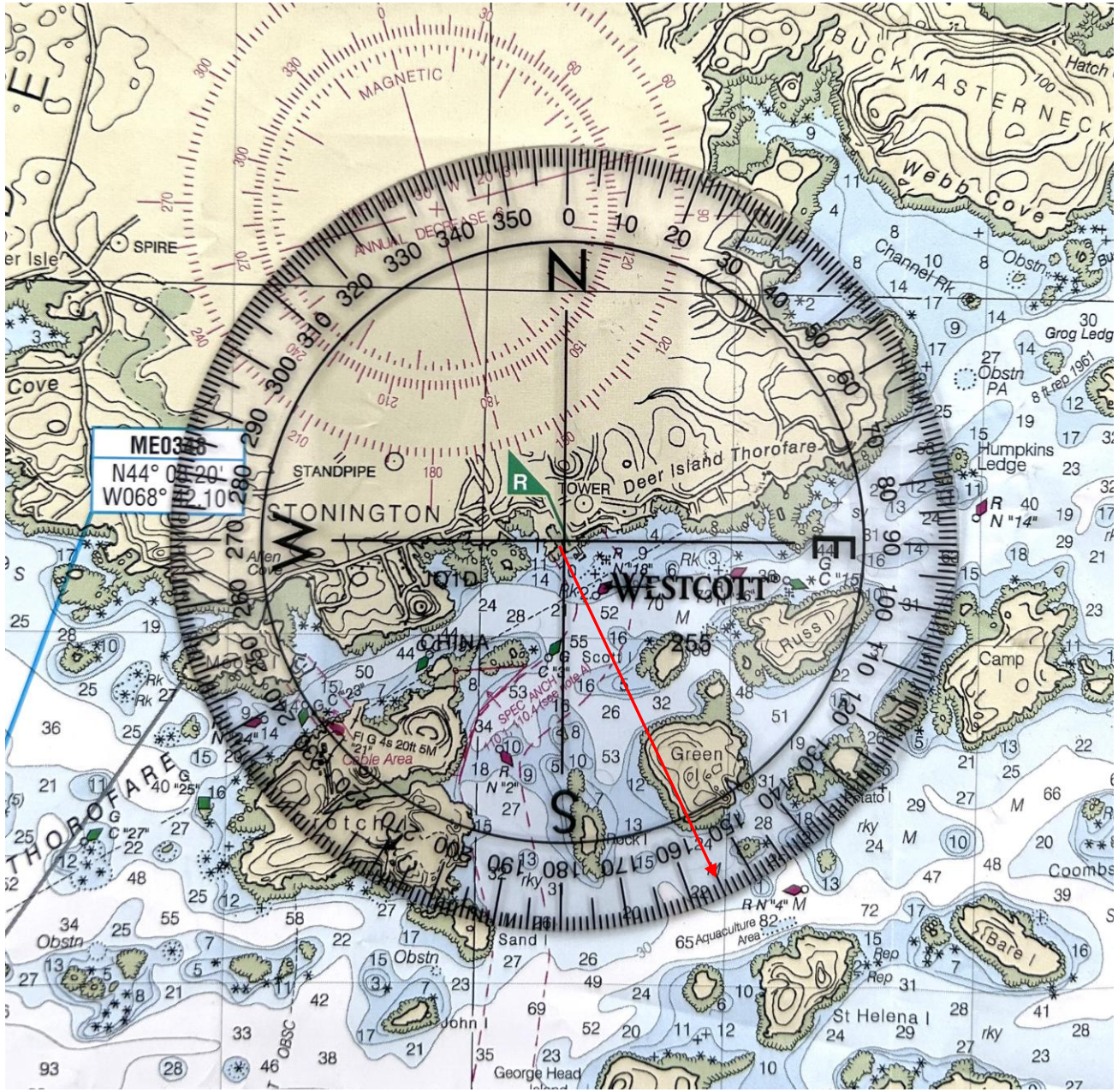


Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.

Magnetic = True + Variation

Bearing = 155º T

155º T + 16º VAR = 171º M



What is the back bearing from Green Island to the public boat ramp?

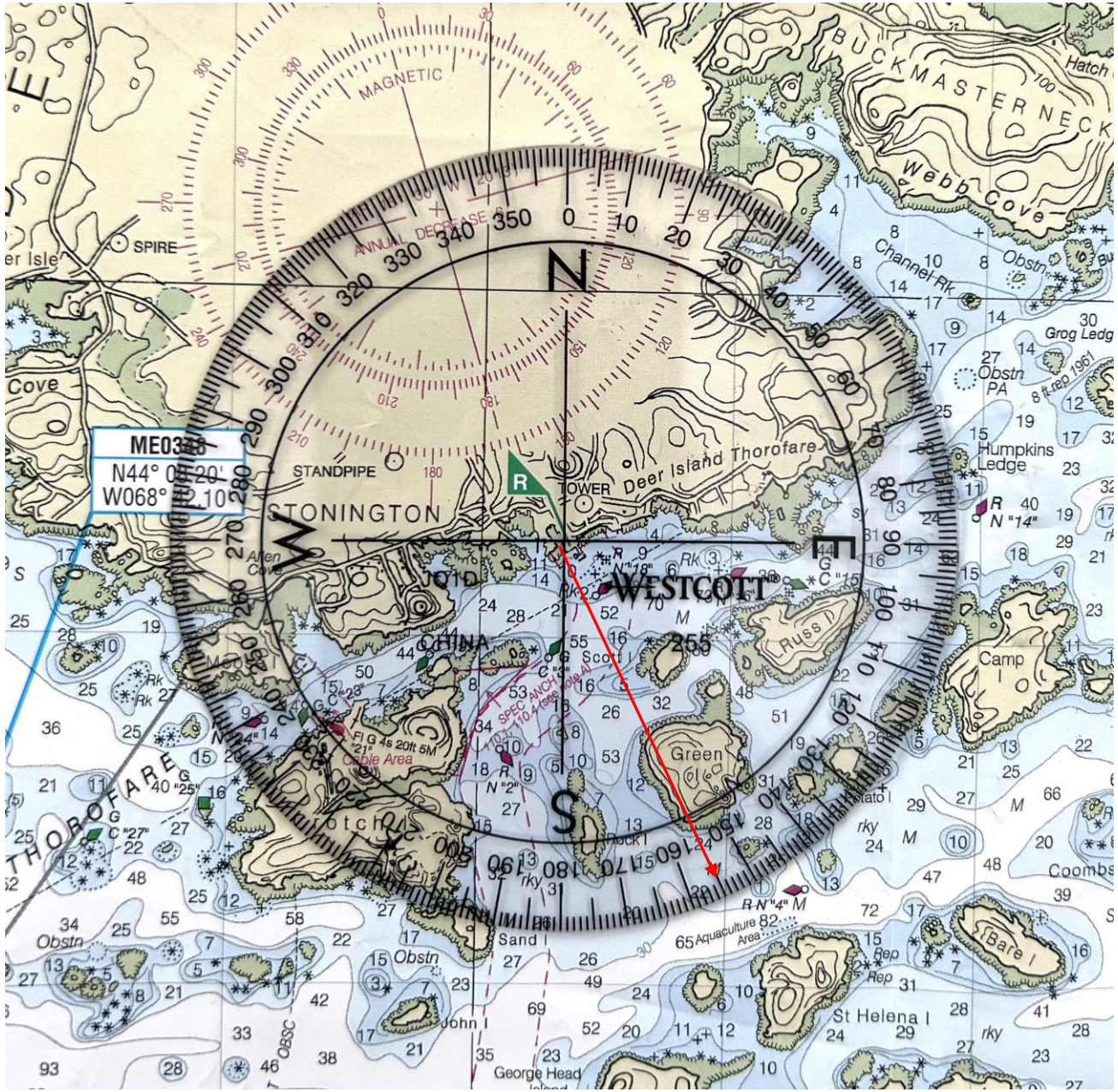
Bearing = 155º T

155º T + 16º VAR = 171º M

To determine back bearing:

If to bearing is >180°, subtract 180°

If to bearing is <180°, add 180°



What is the back bearing from Green Island to the public boat ramp?

Bearing = 155º T

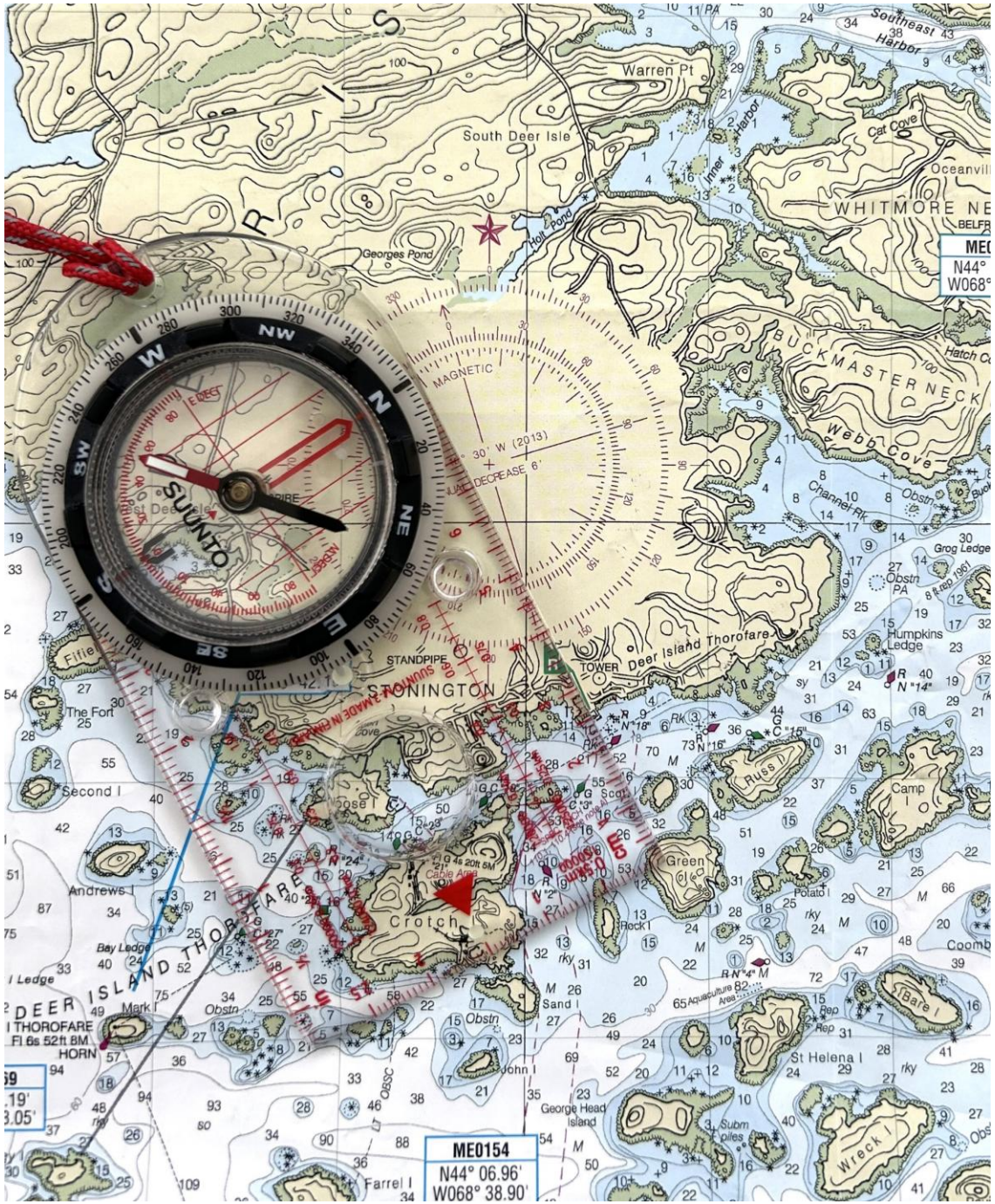
155º T + 16º VAR = 171º M

To determine back bearing:

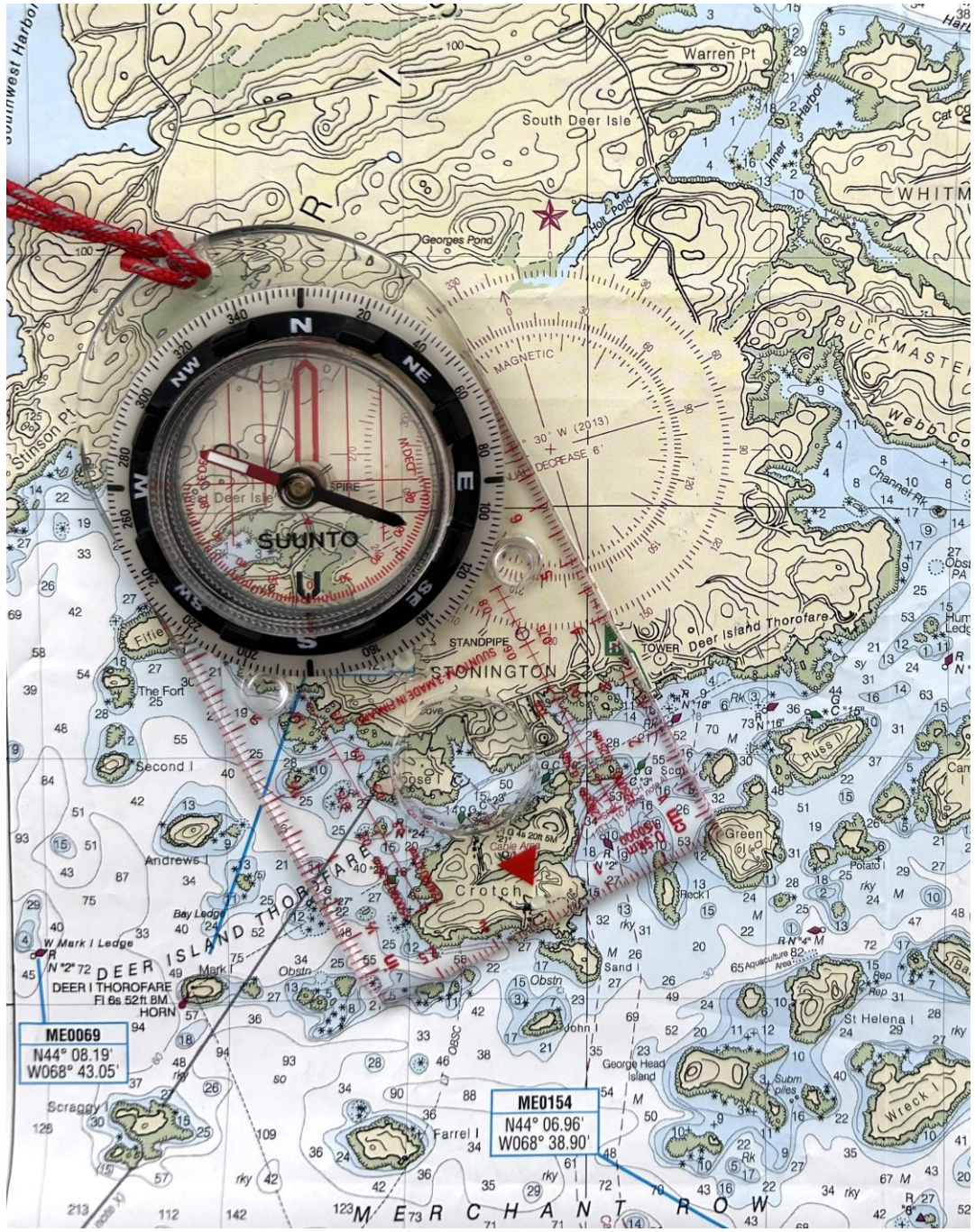
If to bearing is >180°, subtract 180°

If to bearing is <180°, add 180°

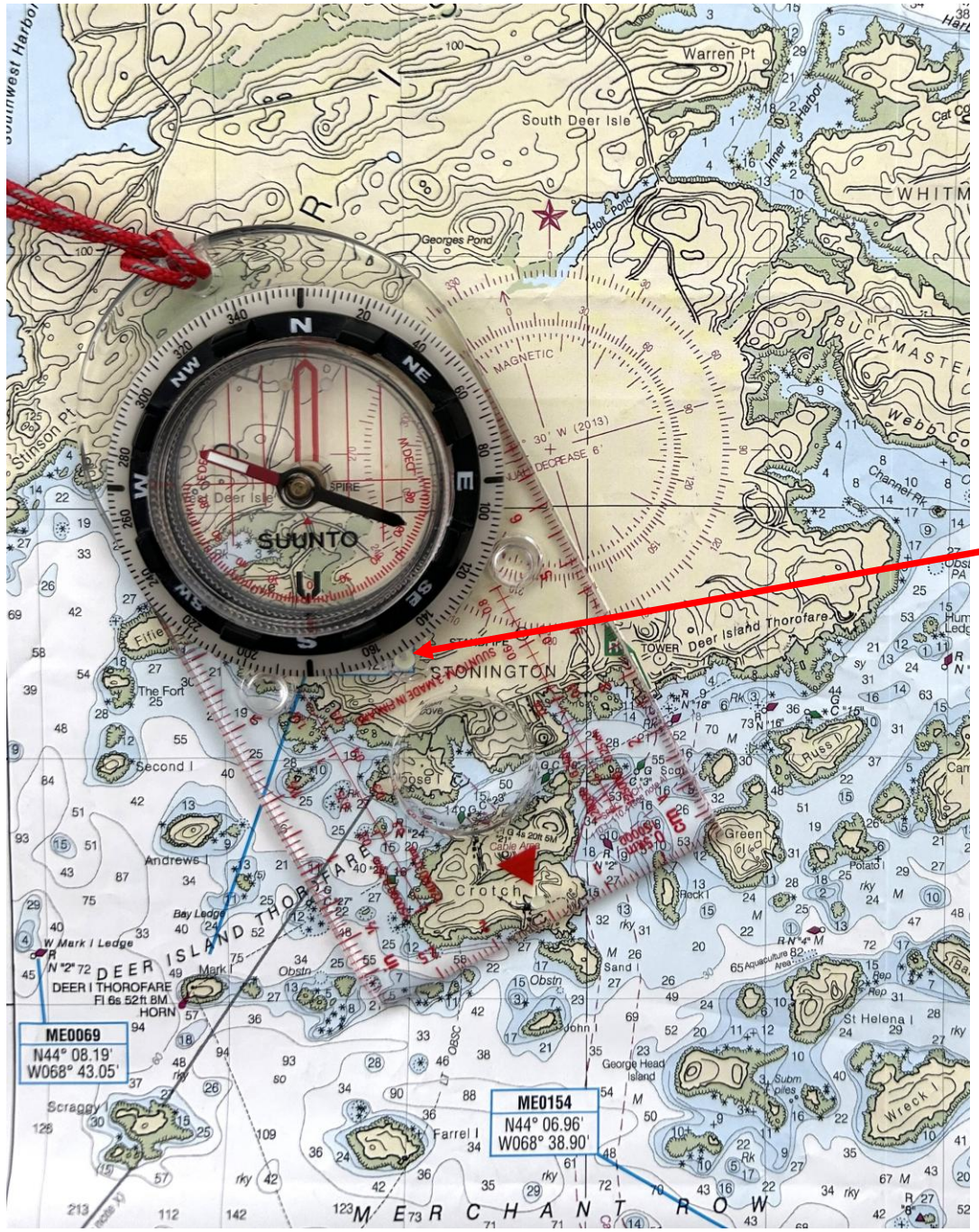
Back bearing = 171º M + 180° = 351°M



Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.

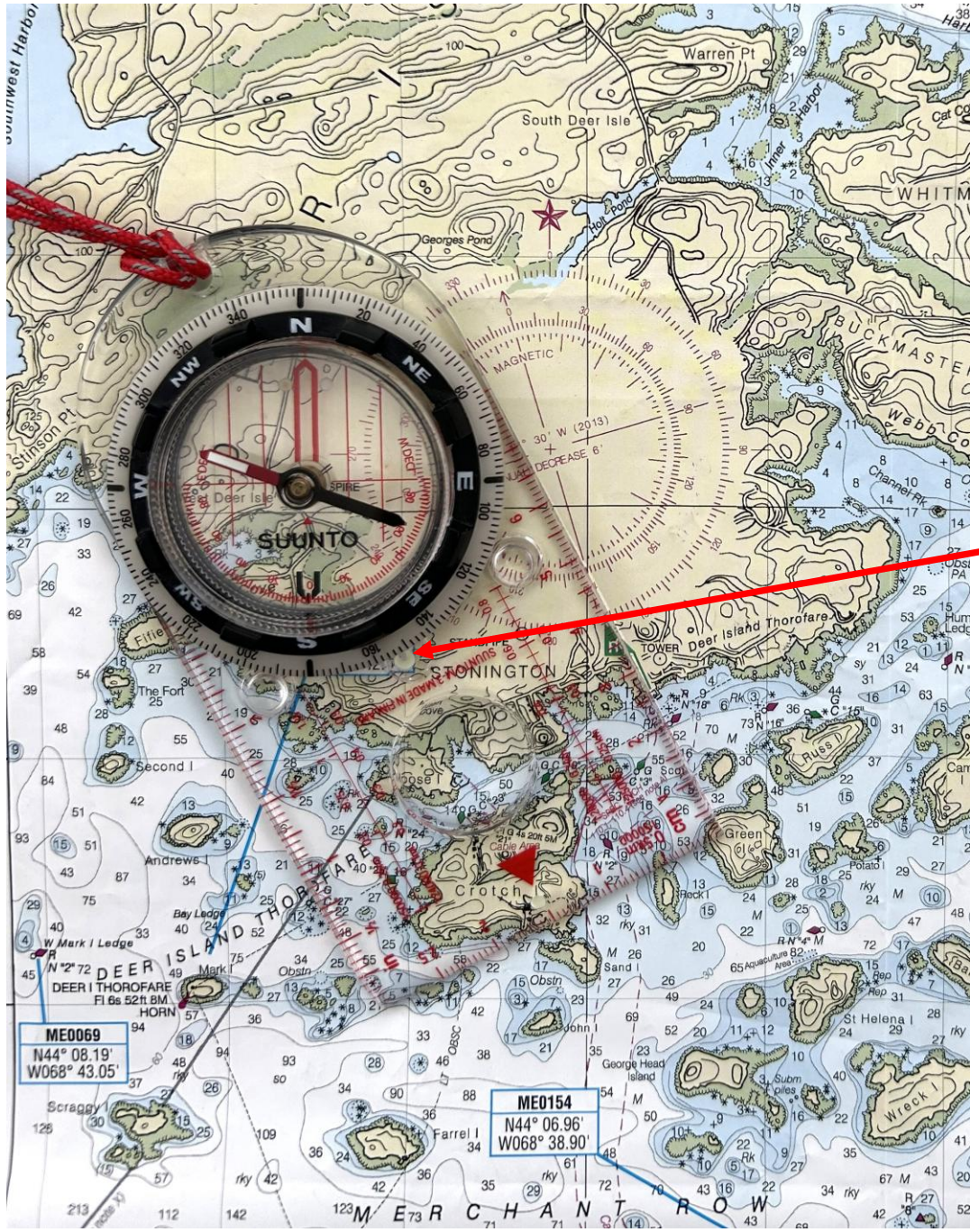


Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.



Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.

Bearing = 155º T

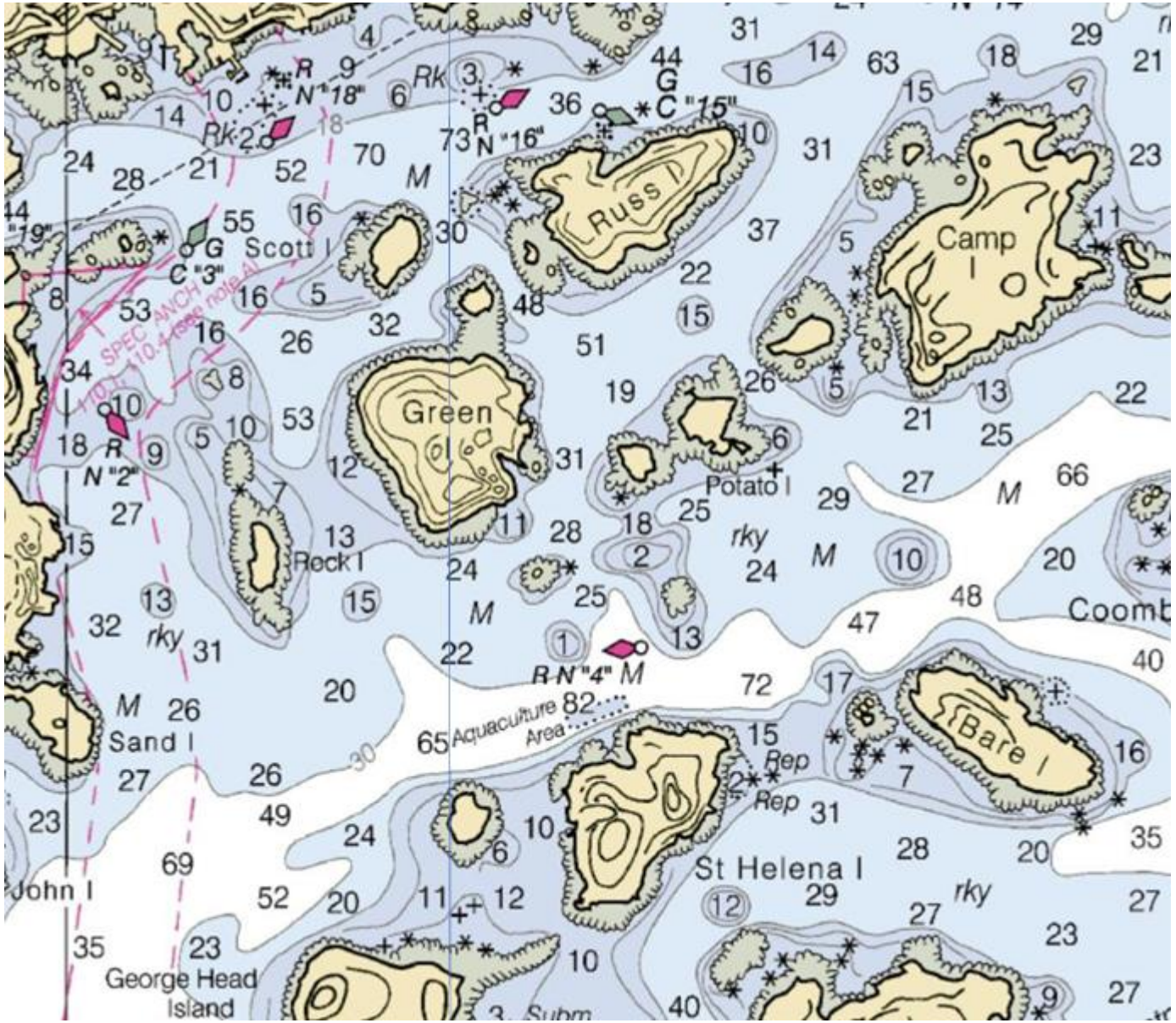


Determine the bearing in both true and magnetic from the public boat ramp in Stonington to Green Island.

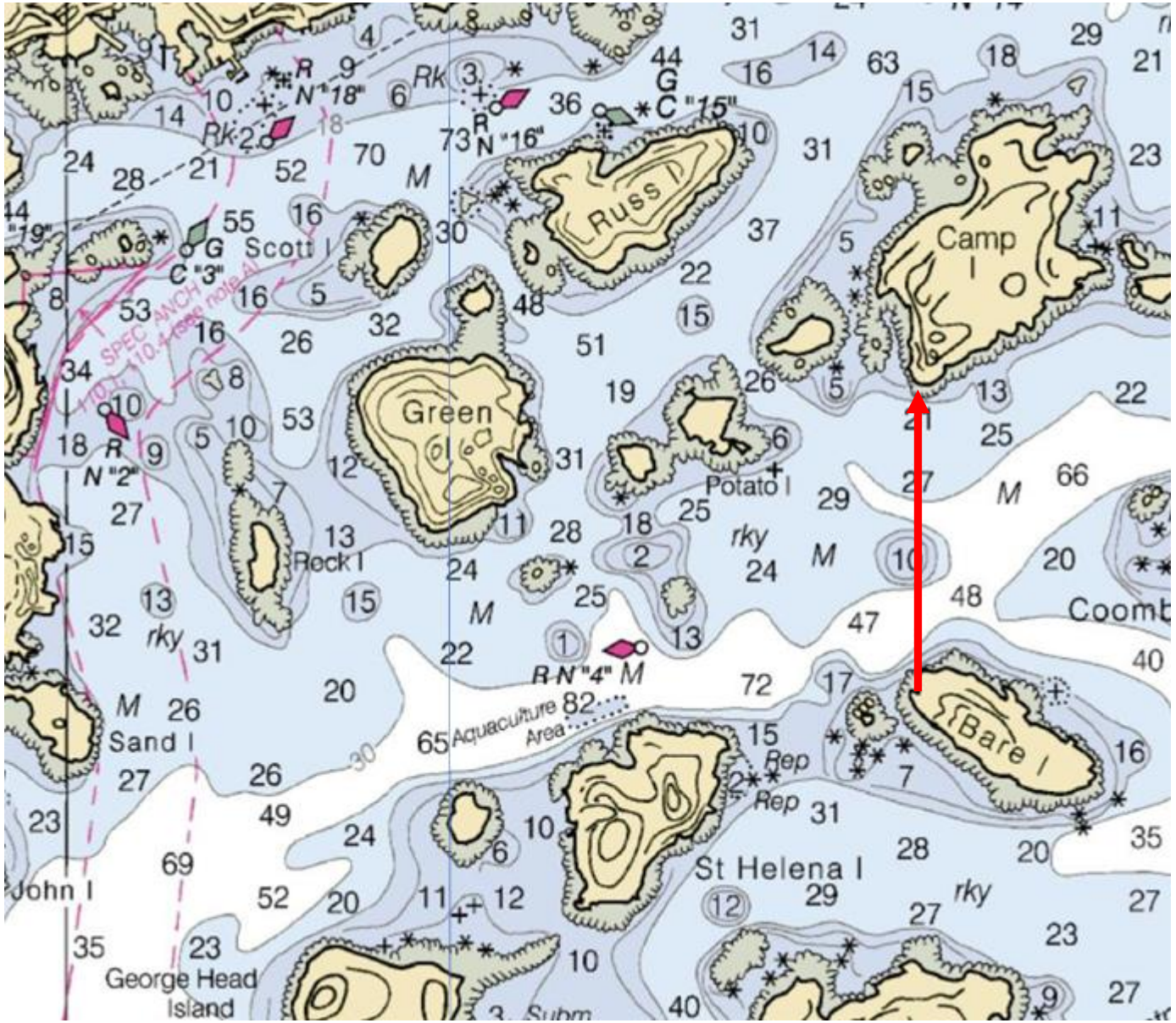
Bearing = 155º T

Magnetic = True + Variation

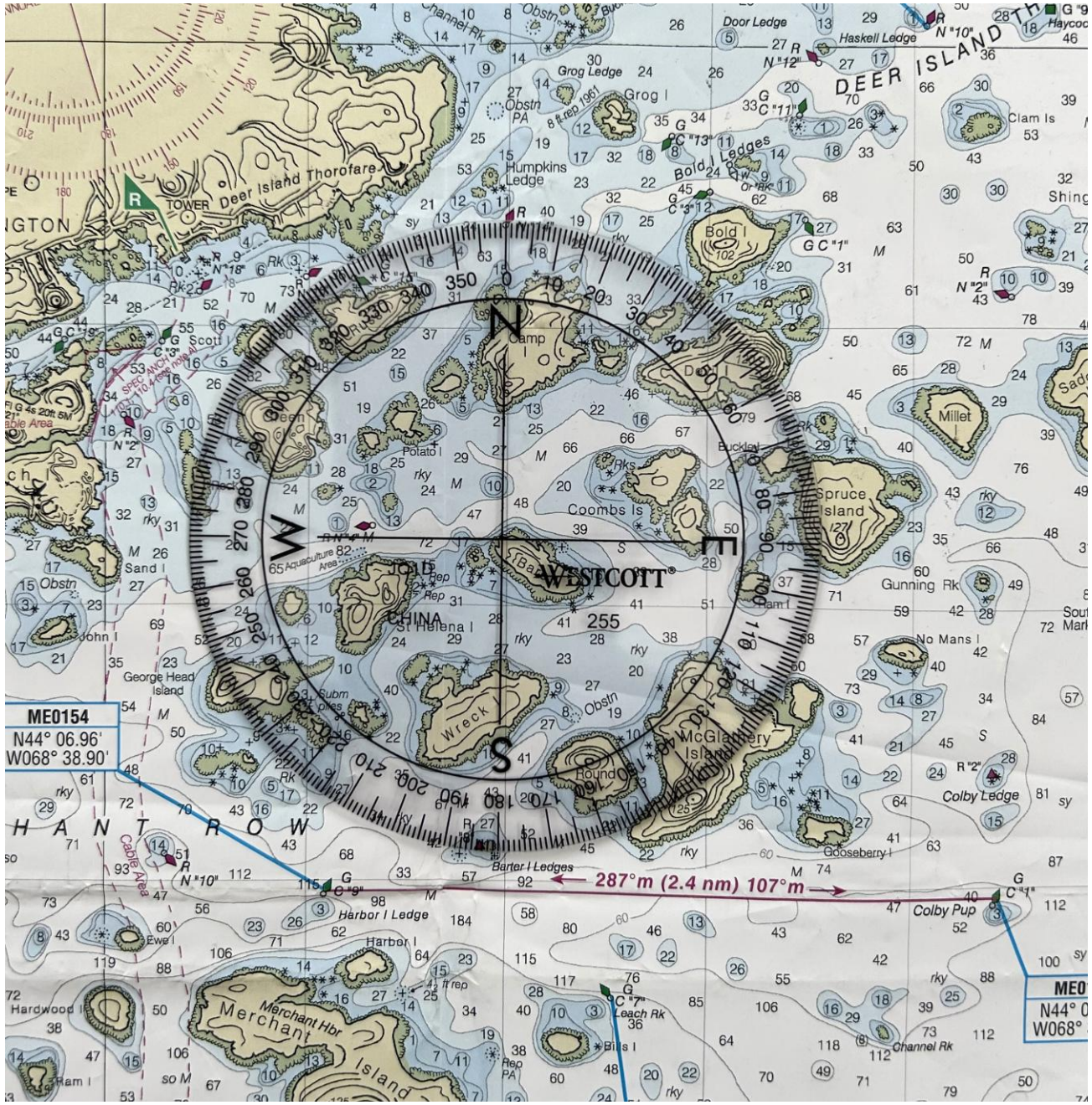
155º T + 16º VAR = 171º M



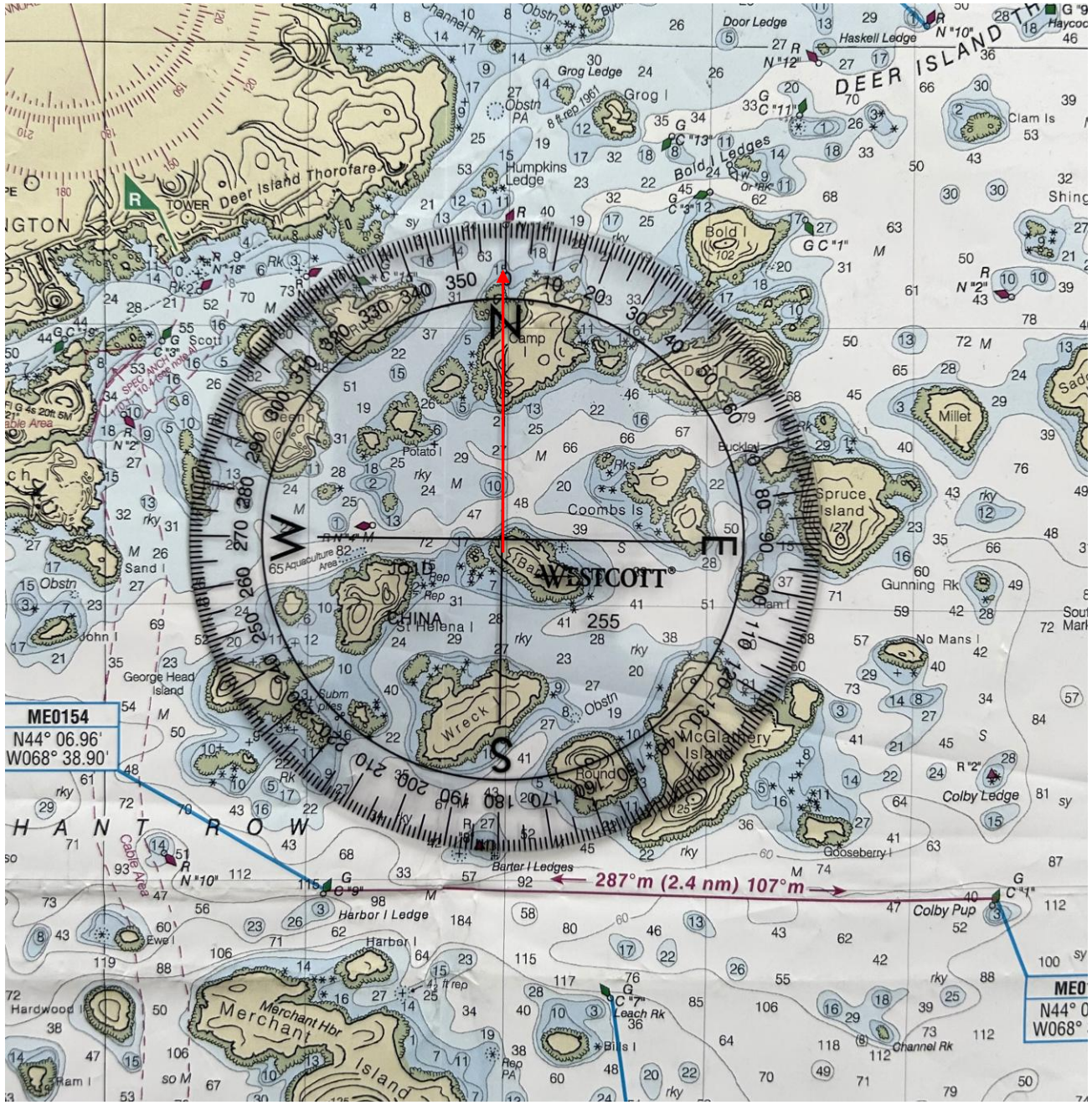
Determine the bearing in both true and magnetic from Bare Island to Camp Island.



Determine the bearing in both true and magnetic from Bare Island to Camp Island.

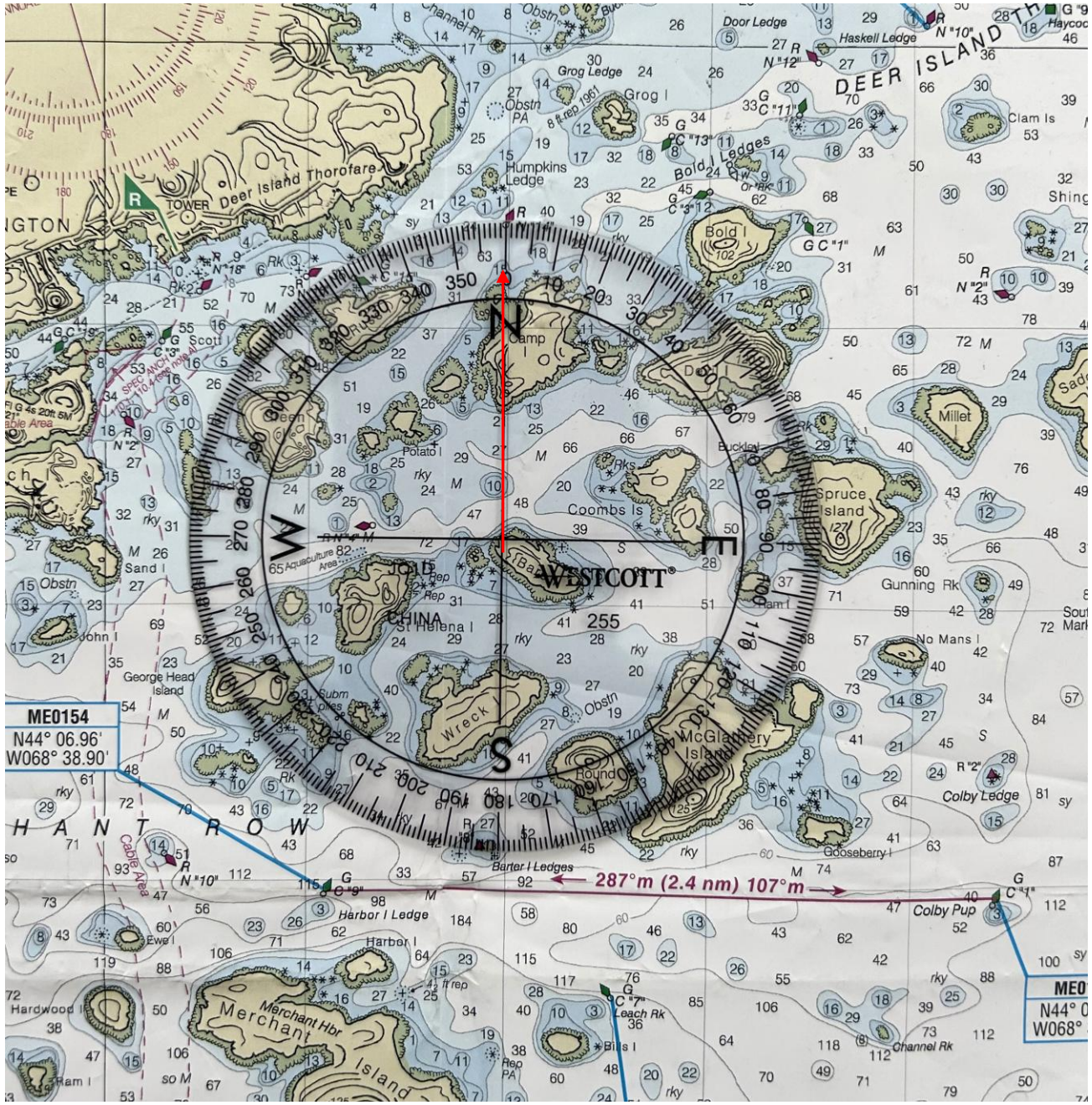


Determine the bearing in both true and magnetic from Bare Island to Camp Island.



Determine the bearing in both true and magnetic from Bare Island to Camp Island.

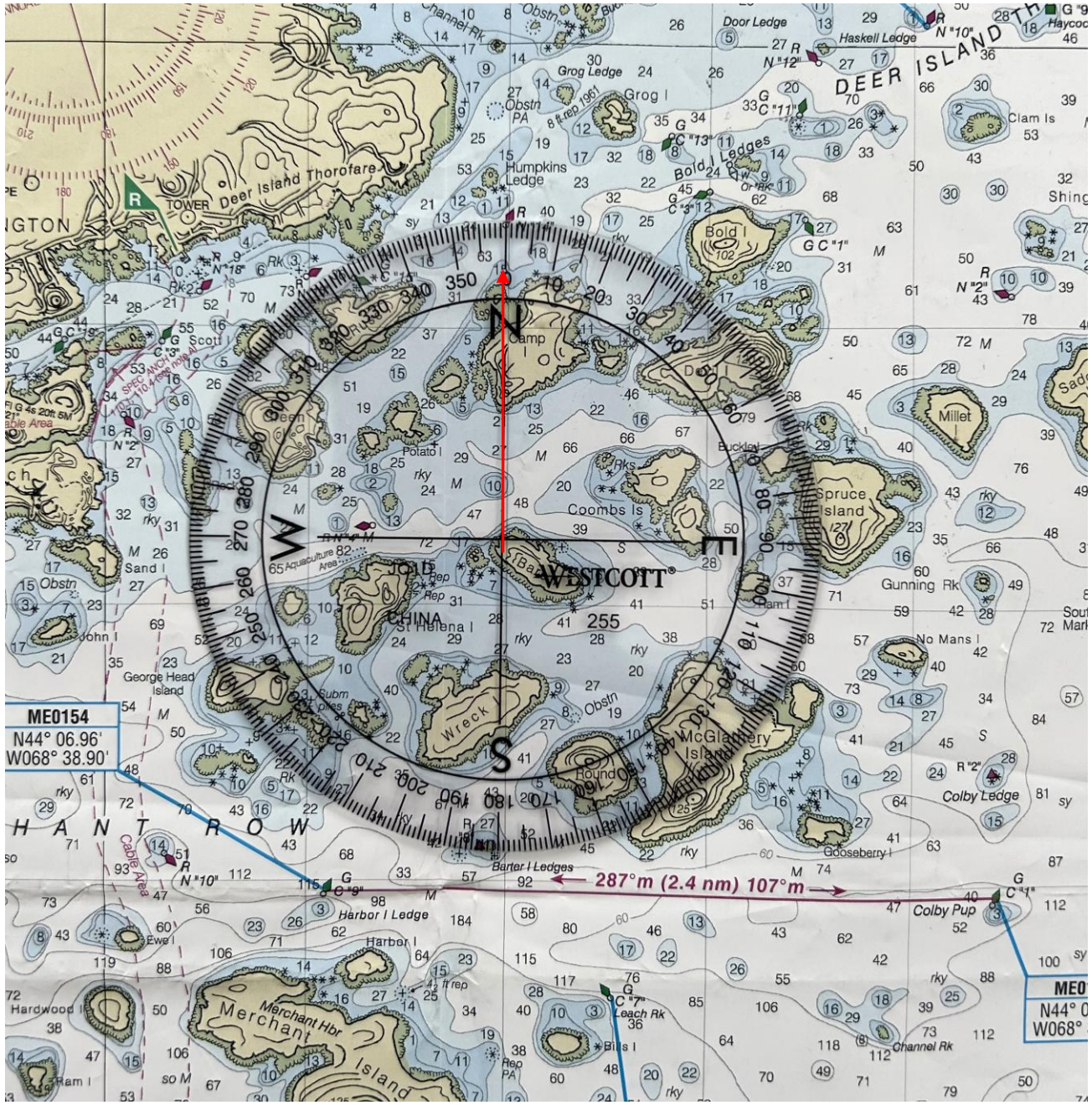
Bearing = 0º T



Determine the bearing in both true and magnetic from Bare Island to Camp Island.

Magnetic = True + Variation

Bearing = 0º T

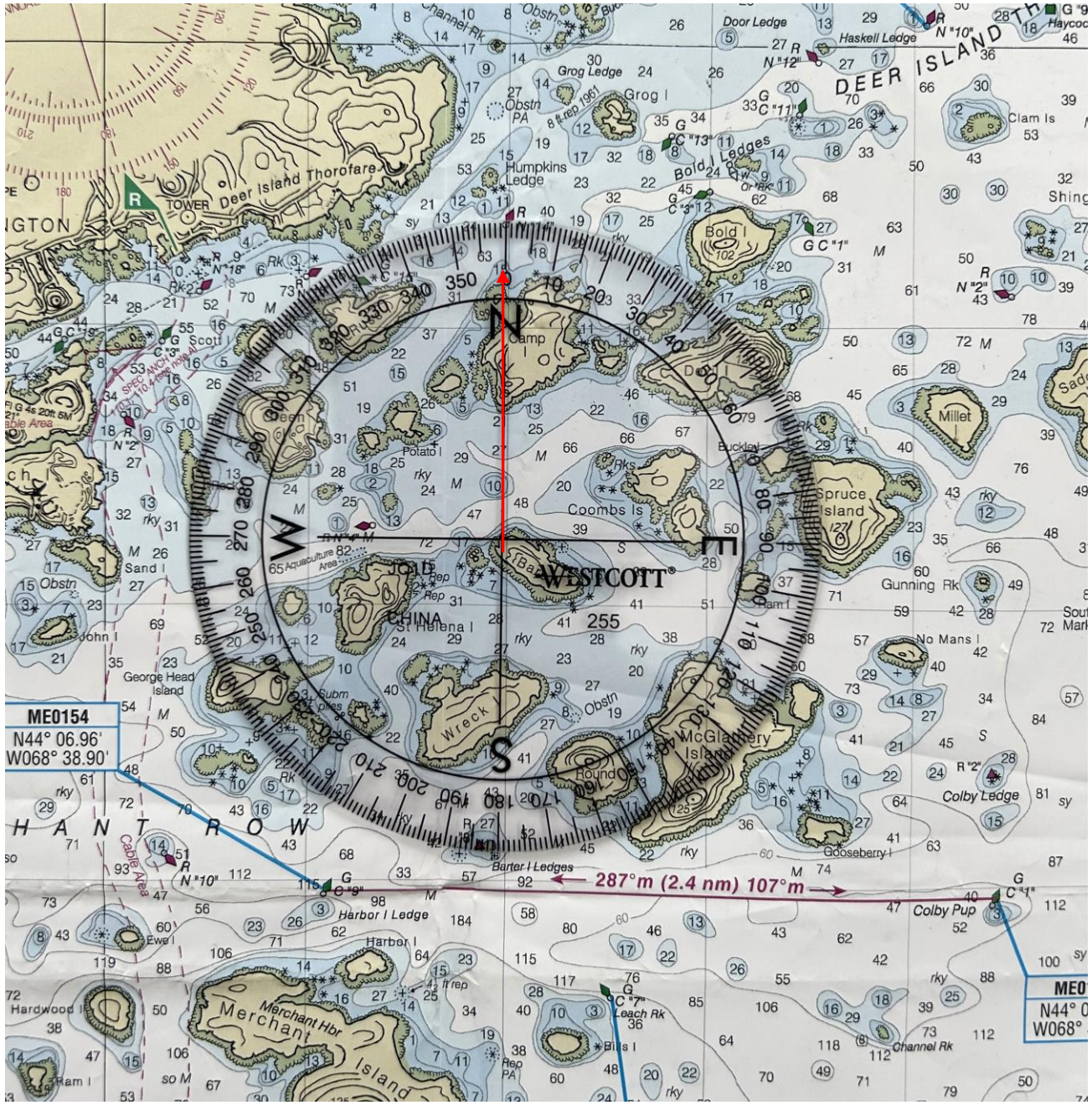


Determine the bearing in both true and magnetic from Bare Island to Camp Island.

Magnetic = True + Variation

Bearing = 0º T

0º T + 16º VAR = 16º M



What is the back bearing from Camp Island to Bare Island.

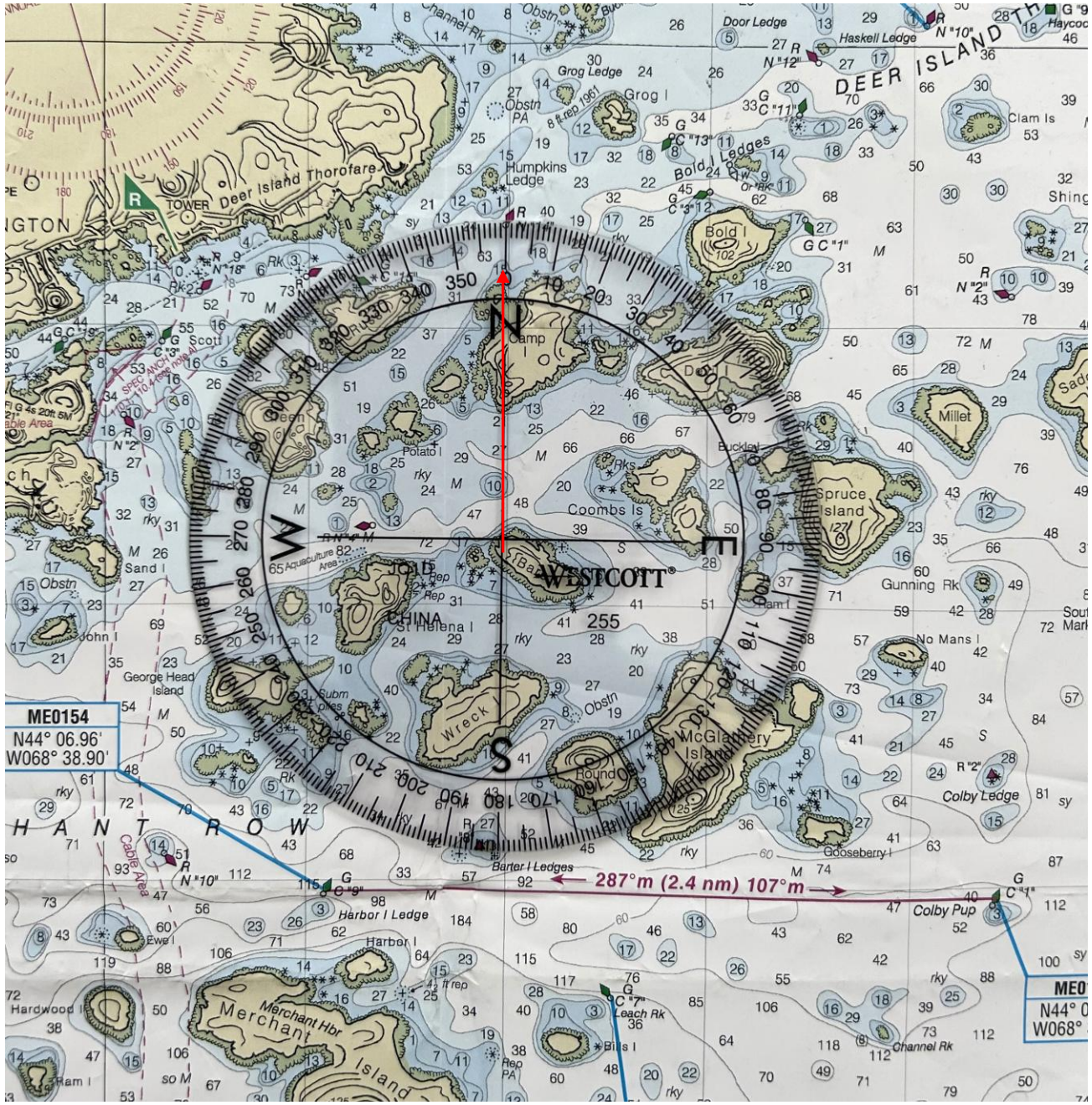
Bearing = 0º T

0º T + 16º VAR = 16º M

To determine back bearing:

If to bearing is >180°, subtract 180°

If to bearing is <180°, add 180°



What is the back bearing from Camp Island to Bare Island.

Bearing = 0º T

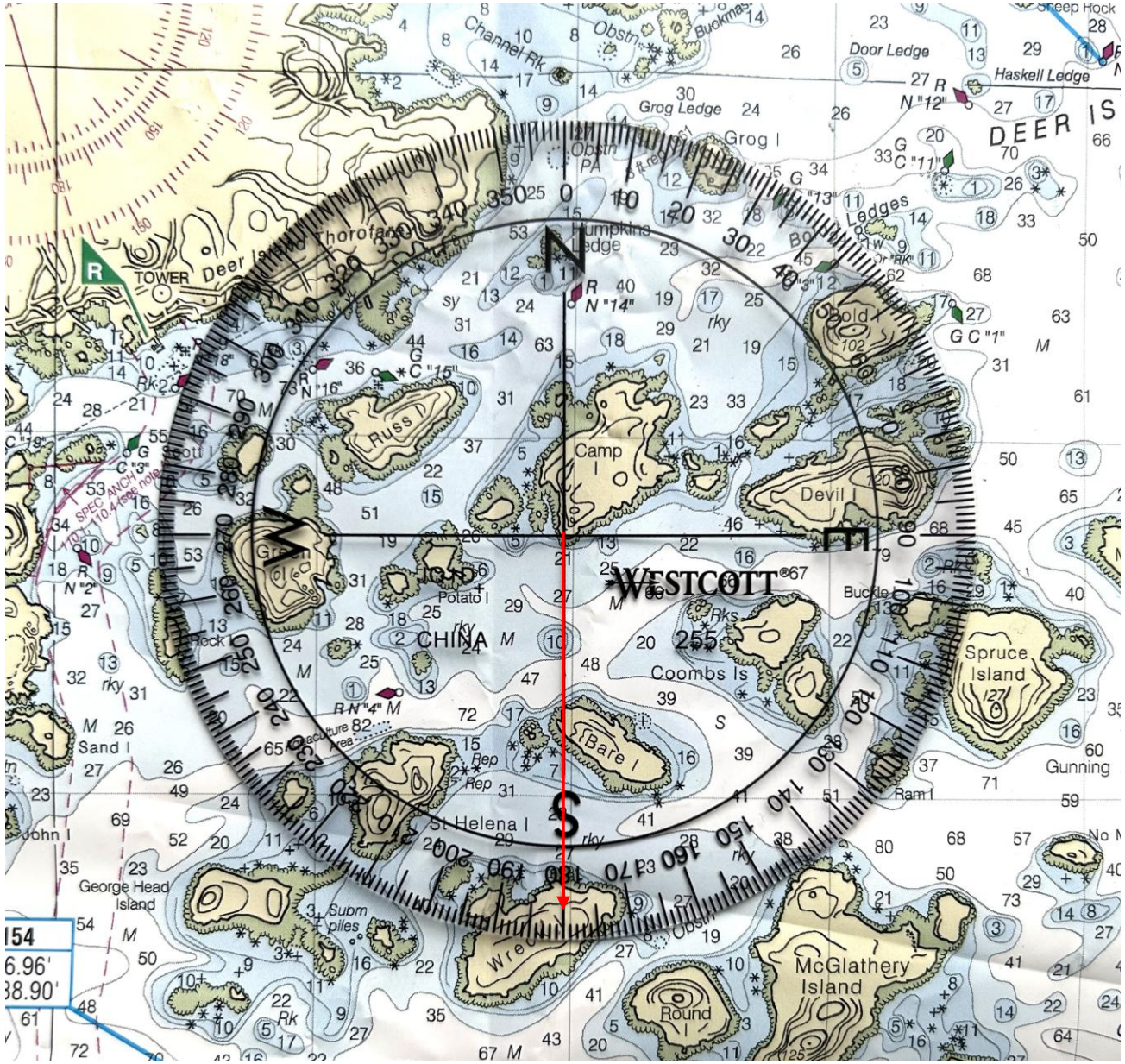
0º T + 16º VAR = 16º M

To determine back bearing:

If to bearing is >180°, subtract 180°

If to bearing is <180°, add 180°

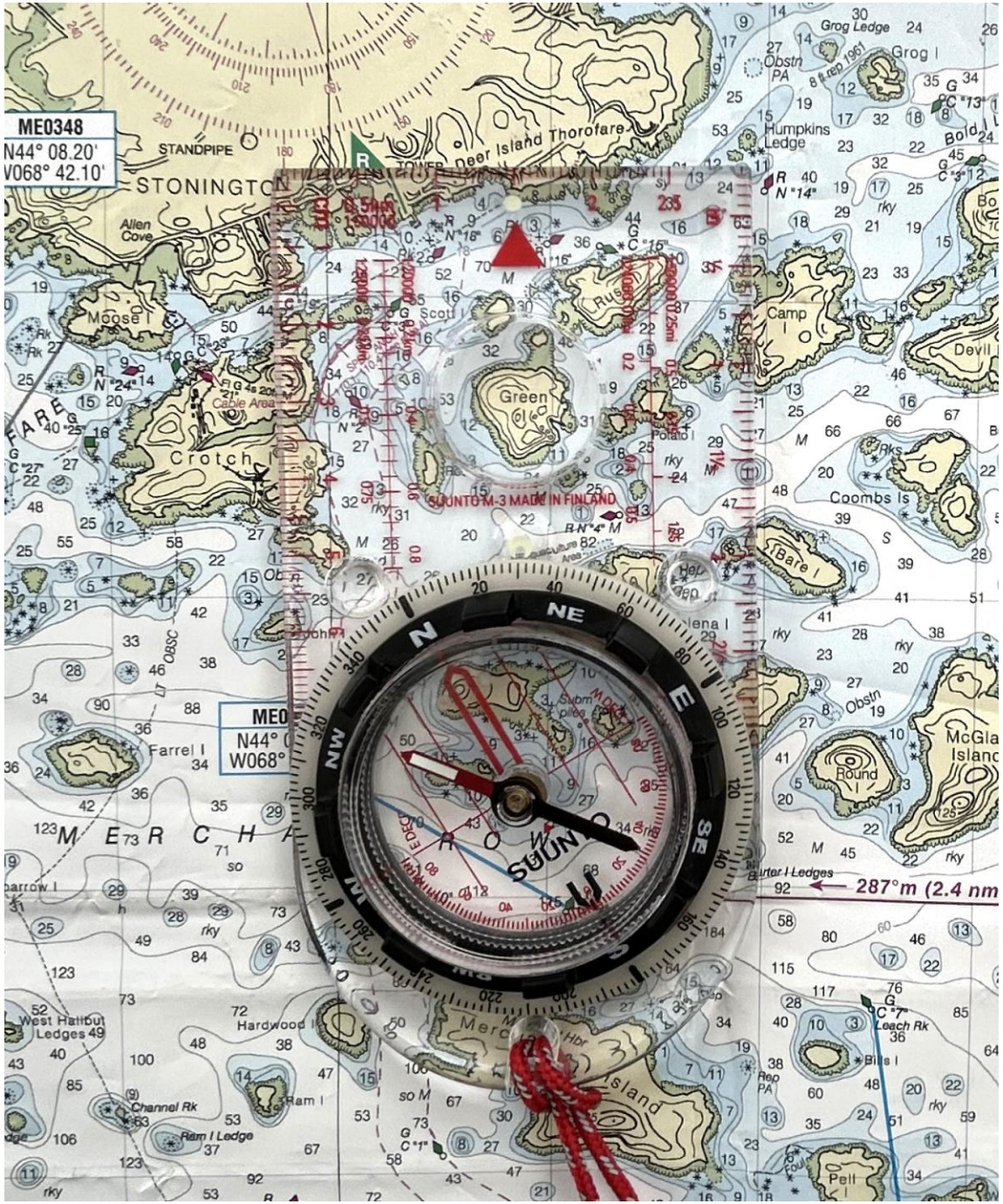
Back bearing = 16º M + 180° = 196°M



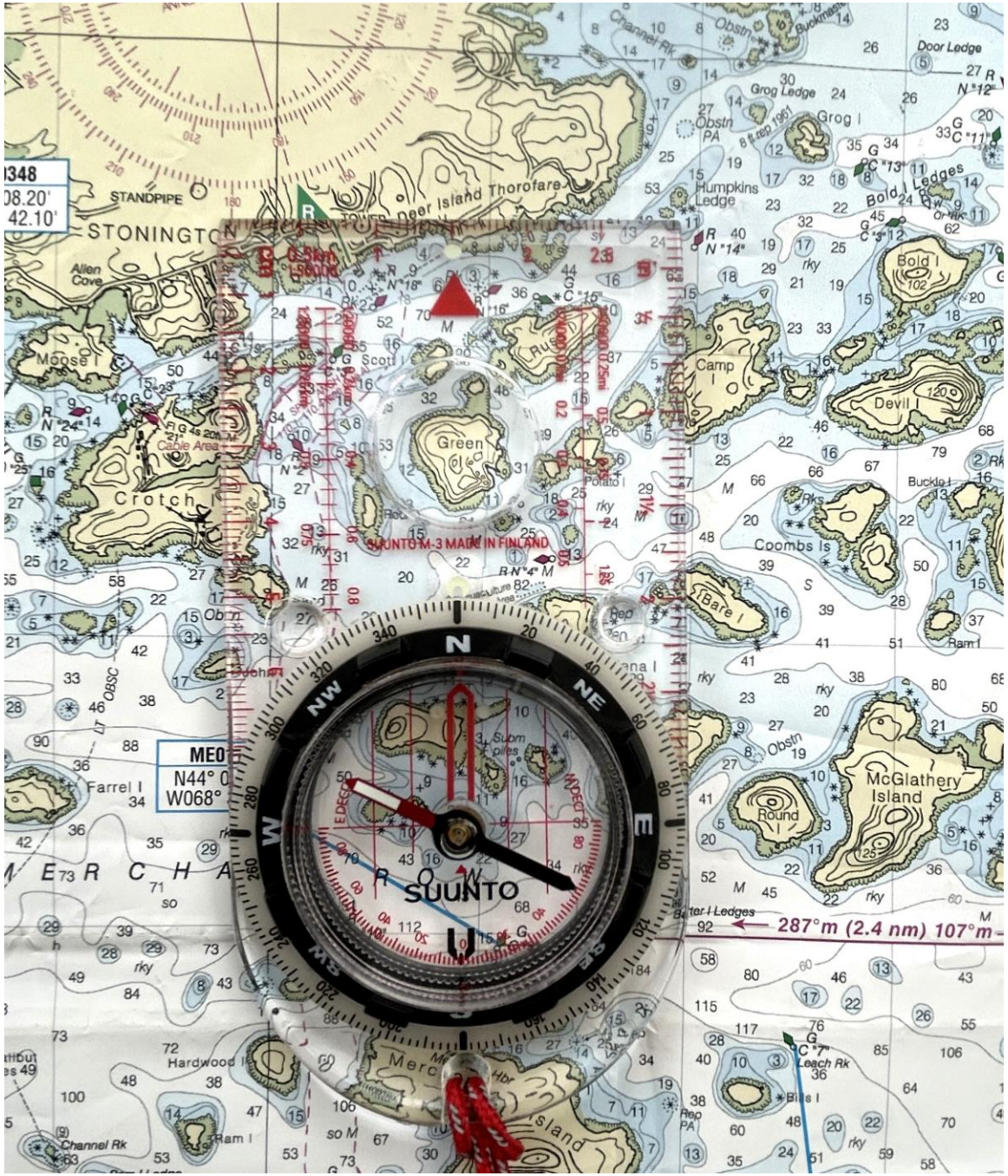
What is the back bearing from Camp Island to Bare Island.

To determine back bearing by measurement, use the same process you would use to find any bearing.

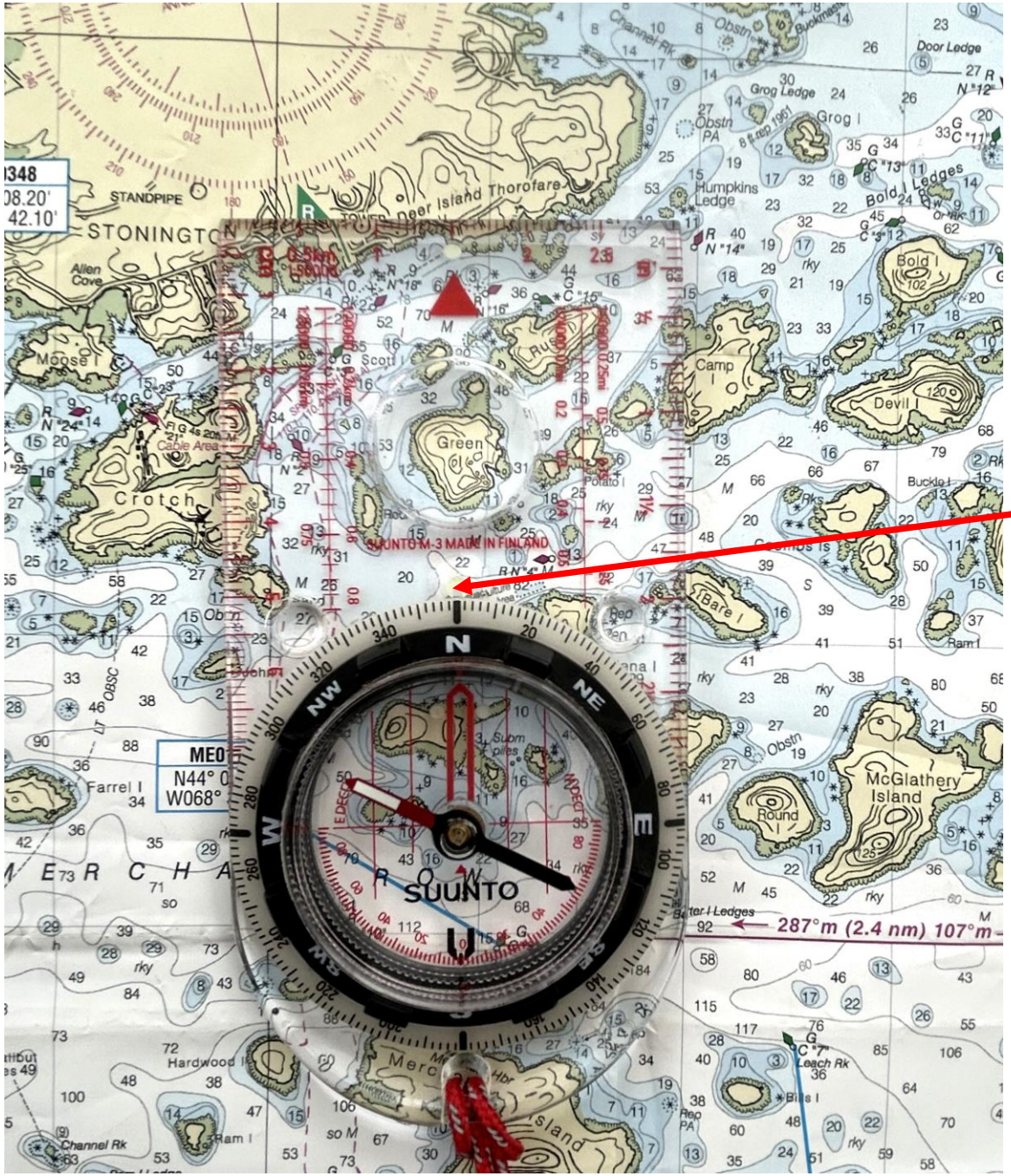
Back bearing = 180° T



Determine the bearing in both true and magnetic from Bare Island to Camp Island.

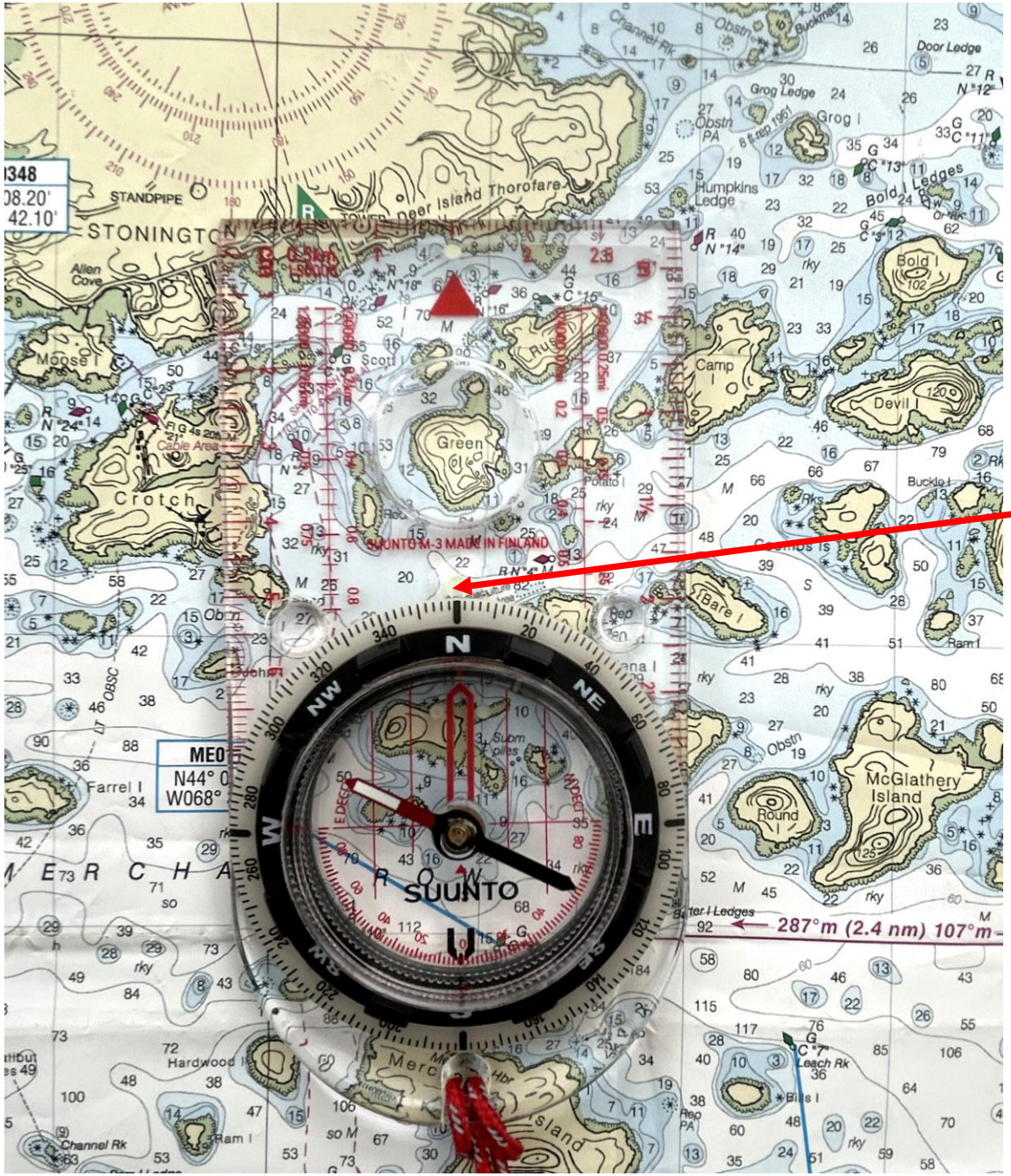


Determine the bearing in both true and magnetic from Bare Island to Camp Island.



Determine the bearing in both true and magnetic from Bare Island to Camp Island.

Bearing = 0º T



Determine the bearing in both true and magnetic from Bare Island to Camp Island.

Bearing = 0º T

Magnetic = True + Variation

0º T + 16º VAR = 16º M