

Field Log - Dr. Wick's Area - Answer Key

Steps 1 & 2:

Dr. Wick made a deal for the largest rectangle possible inside US water space to build his golf course. In the copy of the map below, draw the outline of his golf course. Then use the lines below to explain how you figured out the shape you found was the largest area possible.



Answers will vary. Many students find the northern and southern borders first by dragging the sliders until they reach the dotted borders. They then find the eastern border near Florida and finish by sliding the western border until they reach the dotted line. All students should note the available space east to west is greater than north to south.

Step 3:

Use your measurements and tools to find the width and length of the golf course. Enter the length and width in the boxes below.

Width: 160 mi

Length: 760 mi

Step 4:

Use the values you found to calculate the area of Dr. Wick's course. Be sure to show any calculations in the area below and enter your answer in the box!

Area of a rectangle = length x width

Area = 160×760

Area = 121,600 square miles

Area: 121,600 sq mi

Submit to Dr. Wick

Sum it Up:

Make a list of the math terms or formulas you used to find the area of Dr. Wick's course.

Area, length, width, $A=L \times W$, square mile