

# GO-BGC Float Recovery Practice Examples

EXPLORER, PIONEER, RANGER and NAVIGATOR class

## **Example 1**

Current Speed: 0.143 m/s

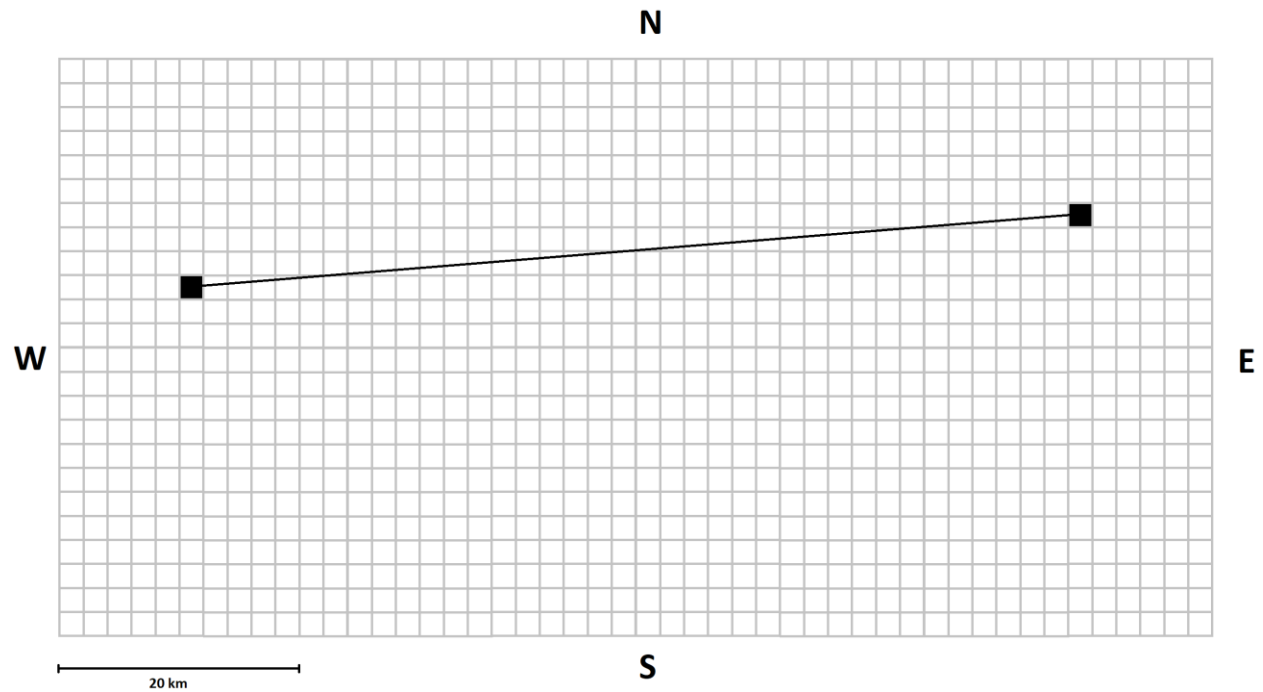
Current Direction: 85 degrees

Time: 144 hours later

1 hour = 3600 seconds x 144 hours = 518,400 seconds x 0.143 m/s = 74.131 km

The float will travel: 74.131 km at 85 degrees

That translates into movement of 6.46 km north, and 73.85 km east.



That translates into 37 squares moved to the east and 3 squares moved to the north.

**Example 2:**

Current Speed: 0.117 m/s

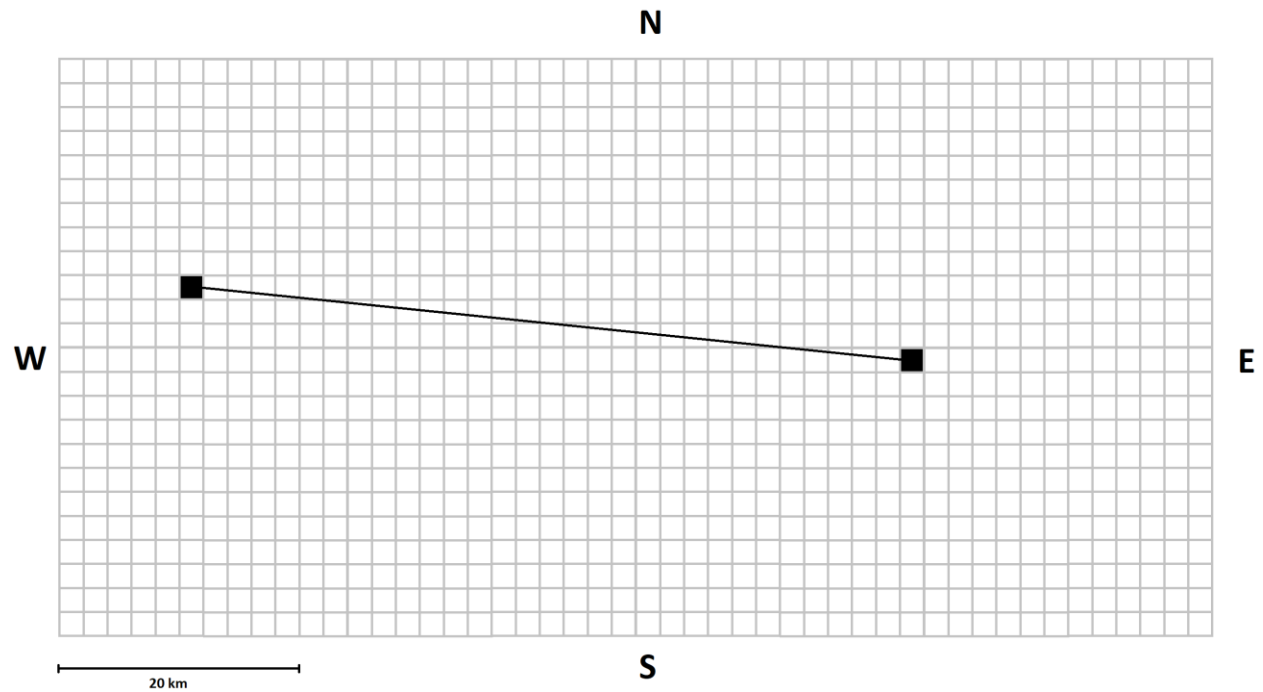
Current Direction: 96 degrees

Time: 144 hours later

1 hour = 3600 seconds x 144 hours = 518,400 seconds x 0.117 m/s = 60.653 km

The float will travel: 60.653 km at 96 degrees

That translates into movement of 6.34 km south, and 60.32 km east.



That translates into 30 squares moved to the east and 3 squares moved to the south.

**Example 3:**

Current Speed: 0.135 m/s

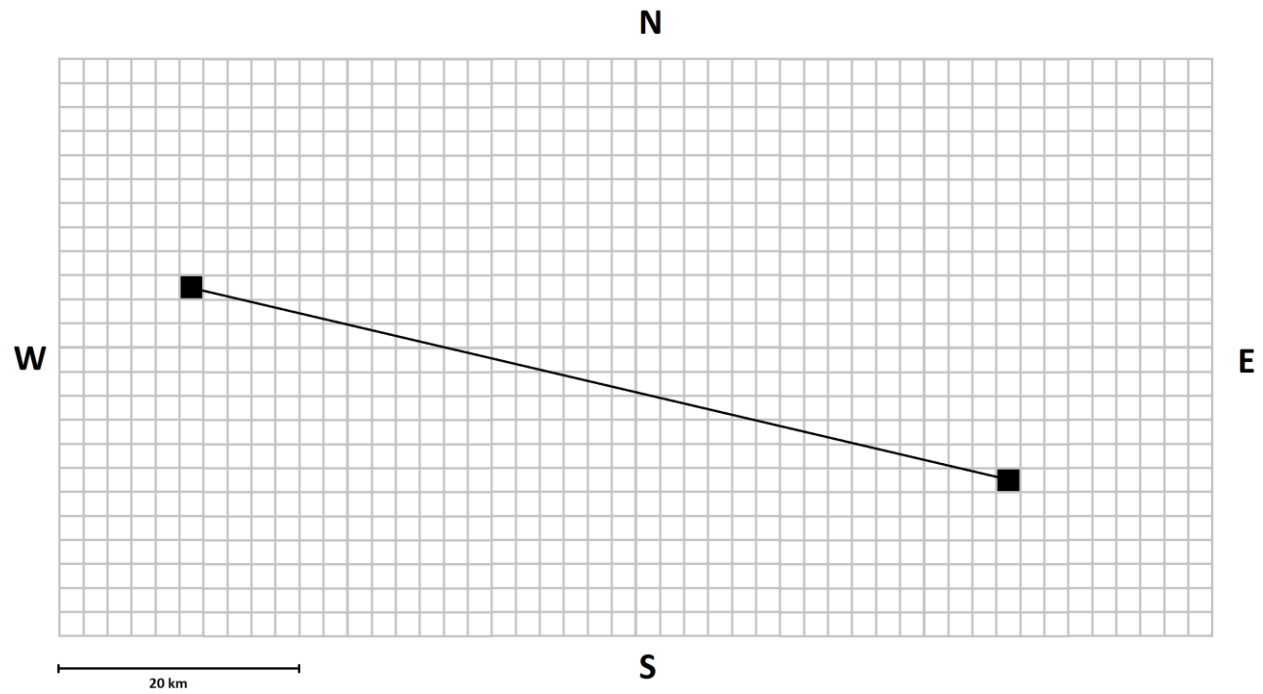
Current Direction: 103 degrees

Time: 144 hours later

1 hour = 3600 seconds x 144 hours = 518,400 seconds x 0.135 m/s = 69.984 km

The float will travel: 69.984 km at 103 degrees

That translates into movement of 15.74 km south, and 68.19 km east.



That translates into 34 squares moved to the east and 8 squares moved to the south.

**Example 4:**

Current Speed: 0.098 m/s

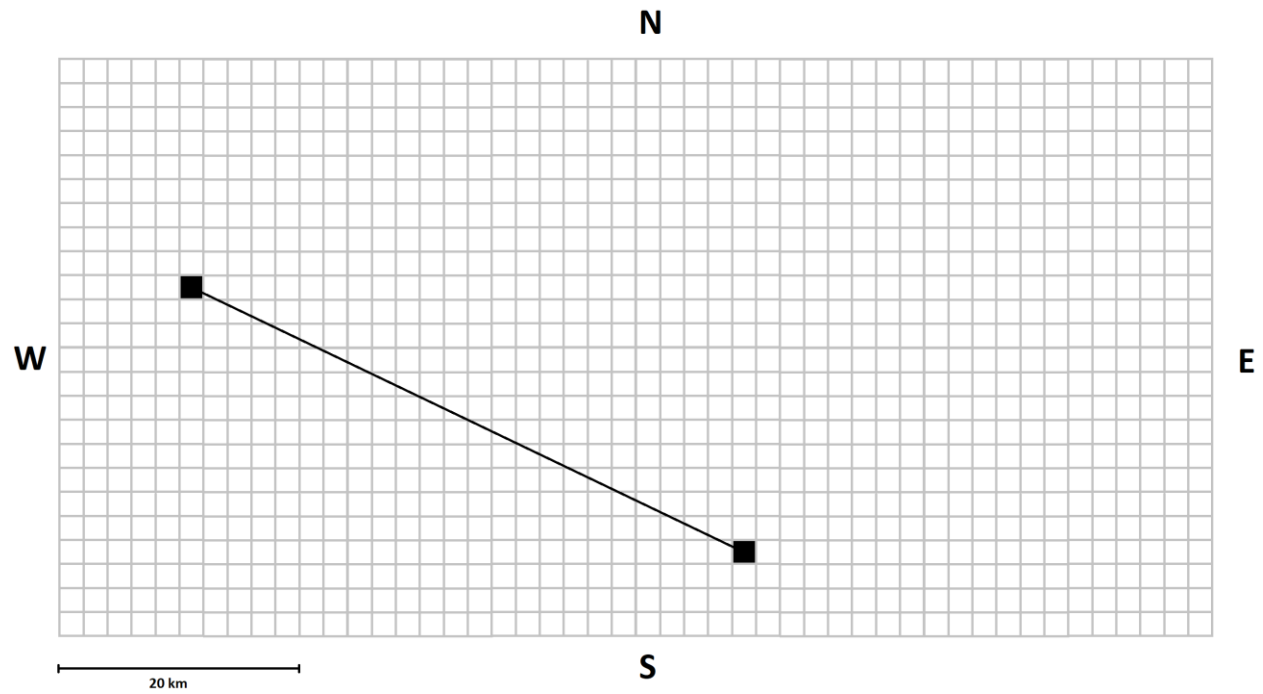
Current Direction: 116 degrees

Time: 144 hours later

1 hour = 3600 seconds x 144 hours = 518,400 seconds x 0.098 m/s = 50.803 km

The float will travel: 50.803 km at 116 degrees

That translates into movement of 22.27 km south, and 45.66 km east.



That translates into 23 squares moved to the east and 11 squares moved to the south.