



**CITY OF GULF BREEZE**  
**SHORELINE PARK ORIENTEERING COURSE**  
**Dept of Parks & Recreation 800 Shoreline Dr, 850-934-5140**

Pace (feet per step) - \_\_\_\_\_

| Leg | Direction | Distance | Number of Steps in Leg (Distance/Pace) | GPS Coordinate Latitude | GPS Coordinate Longitude | Point |
|-----|-----------|----------|--|-------------------------|--------------------------|-------|
| 1   | 354° mag  | 132 feet |  | N 30° 21.324'           | W 87° 10.632'            |       |
| 2   | 344° mag  | 127 feet |  | N 30° 21.345'           | W 87° 10.640'            |       |
| 3   | 315° mag  | 184 feet |  | N 30° 21.365'           | W 87° 10.667'            |       |
| 4   | 200° mag  | 214 feet |  | N 30° 21.332'           | W 87° 10.680'            |       |
| 5   | 175° mag  | 61 feet  |  | N 30° 21.321'           | W 87° 10.678'            |       |
| 6   | 264° mag  | 341 feet |  | N 30° 21.309'           | W 87° 10.742'            |       |
| 7   | 353° mag  | 139 feet |  | N 30° 21.332'           | W 87° 10.748'            |       |
| 8   | 6° mag    | 376 feet |  | N 30° 21.394'           | W 87° 10.743'            |       |
| 9   | 67° mag   | 287 feet |  | N 30° 21.414'           | W 87° 10.694'            |       |
| 10  | 4° mag    | 434 feet |  | N 30° 21.485'           | W 87° 10.696'            |       |
| 11  | 93° mag   | 362 feet |  | N 30° 21.486'           | W 87° 10.629'            |       |
| 12  | 147° mag  | 172 feet |  | N 30° 21.462'           | W 87° 10.609'            |       |
| 13  | 146° mag  | 280 feet |  | N 30° 21.420'           | W 87° 10.584'            |       |
| 14  | 193° mag  | 46 feet  |  | N 30° 21.413'           | W 87° 10.584'            |       |
| 15  | 148° mag  | 170 feet |  | N 30° 21.391'           | W 87° 10.565'            |       |
| 16  | 78° mag   | 208 feet |  | N 30° 21.402'           | W 87° 10.527'            |       |
| 17  | 90° mag   | 108 feet |  | N 30° 21.405'           | W 87° 10.506'            |       |
| 18  | 128° mag  | 158 feet |  | N 30° 21.391'           | W 87° 10.480'            |       |
| 19  | 171° mag  | 149 feet |  | N 30° 21.367'           | W 87° 10.475'            |       |
| 20  | 157° mag  | 328 feet |  | N 30° 21.315'           | W 87° 10.452'            |       |
| 21  | 240° mag  | 143 feet |  | N 30° 21.302'           | W 87° 10.475'            |       |
| 22  | 81° mag   | 420 feet |  | N 30° 21.315'           | W 87° 10.399'            |       |
| 23  | 325° mag  | 108 feet |  | N 30° 21.330'           | W 87° 10.410'            |       |
| 24  | 80° mag   | 213 feet |  | N 30° 21.338'           | W 87° 10.371'            |       |
| 25  | 139° mag  | 101 feet |  | N 30° 21.325'           | W 87° 10.358'            |       |
| 26  | 82° mag   | 190 feet |  | N 30° 21.331'           | W 87° 10.323'            |       |
| 27  | 360° mag  | 380 feet |  | N 30° 21.393'           | W 87° 10.326'            |       |
| 28  | 270° mag  | 545 feet |  | N 30° 21.389'           | W 87° 10.430'            |       |
| 29  | 278° mag  | 259 feet |  | N 30° 21.391'           | W 87° 10.480'            |       |
| 30  | 171° mag  | 149 feet |  | N 30° 21.367'           | W 87° 10.475'            |       |
| 31  | 157° mag  | 328 feet |  | N 30° 21.315'           | W 87° 10.452'            |       |
| 32  | 240° mag  | 143 feet |  | N 30° 21.302'           | W 87° 10.475'            |       |
| 33  | 265° mag  | 333 feet |  | N 30° 21.292'           | W 87° 10.538'            |       |
| 34  | 343° mag  | 74 feet  |  | N 30° 21.303'           | W 87° 10.540'            |       |
| 35  | 297° mag  | 140 feet |  | N 30° 21.314'           | W 87° 10.565'            |       |
| 36  | 258° mag  | 328 feet |  | N 30° 21.303'           | W 87° 10.627'            |       |

## **INSTRUCTIONS AND RULES**

- 1) Course begins and ends at control point N (at course sign)
- 2) Course is 1.54 miles long
- 3) Course has 36 contact points (4 of the markers are used twice)
- 4) Course may be navigated with a compass and bearing (Direction and Distance columns) or with GPS coordinates.
- 5) Calculate your pace (number of feet per step):
  - a) Start at control point N
  - b) Test Point is 100 feet from point N at bearing 74° mag  
OR at GPS coordinates N 30° 21.309' W 87° 10.607'
  - c) Count number of steps between Point N and the Test Point
  - d) Divide 100 by the number of steps counted – this is your pace  
***(Example: 40 steps are counted between Point N and the Test Point. Calculate 100 divided by 40 which comes a pace of 2.5 feet per step)***
- 6) Calculate the number of steps in each leg of the course by dividing the number of feet in the leg by your pace calculation  
***(Example: Leg 1 of the course is 132 feet. Using the Pace example of 2.5 feet per step, calculate 132 divided by 2.5 which comes to 53 steps in Leg 1)***
- 7) No alcohol or pets allowed in the park
- 8) Please be aware of surroundings, especially when crossing roadways and parking lots
- 9) Please be cautious of snakes and other natural inhabitants
- 10) Please be cautious of other park guests and disk golf players

***Eagle Scout Service Project***

***Michael Mallette***

***MM/DD/2018***

***Boy Scouts of America Troop 11***

***Gulf Breeze Presbyterian Church, Gulf Breeze, FL***



## ANSWER KEY

| Leg | Direction | Distance | GPS Coordinate<br>Latitude | GPS Coordinate<br>Longitude | Point |
|-----|-----------|----------|----------------------------|-----------------------------|-------|
| 1   | 354° mag  | 132 feet | N 30° 21.324'              | W 87° 10.632'               | J     |
| 2   | 344° mag  | 127 feet | N 30° 21.345'              | W 87° 10.640'               | E     |
| 3   | 315° mag  | 184 feet | N 30° 21.365'              | W 87° 10.667'               | F     |
| 4   | 200° mag  | 214 feet | N 30° 21.332'              | W 87° 10.680'               | 6     |
| 5   | 175° mag  | 61 feet  | N 30° 21.321'              | W 87° 10.678'               | U     |
| 6   | 264° mag  | 341 feet | N 30° 21.309'              | W 87° 10.742'               | A     |
| 7   | 353° mag  | 139 feet | N 30° 21.332'              | W 87° 10.748'               | R     |
| 8   | 6° mag    | 376 feet | N 30° 21.394'              | W 87° 10.743'               | K     |
| 9   | 67° mag   | 287 feet | N 30° 21.414'              | W 87° 10.694'               | D     |
| 10  | 4° mag    | 434 feet | N 30° 21.485'              | W 87° 10.696'               | Q     |
| 11  | 93° mag   | 362 feet | N 30° 21.486'              | W 87° 10.629'               | C     |
| 12  | 147° mag  | 172 feet | N 30° 21.462'              | W 87° 10.609'               | H     |
| 13  | 146° mag  | 280 feet | N 30° 21.420'              | W 87° 10.584'               | B     |
| 14  | 193° mag  | 46 feet  | N 30° 21.413'              | W 87° 10.584'               | Y     |
| 15  | 148° mag  | 170 feet | N 30° 21.391'              | W 87° 10.565'               | 3     |
| 16  | 78° mag   | 208 feet | N 30° 21.402'              | W 87° 10.527'               | Z     |
| 17  | 90° mag   | 108 feet | N 30° 21.405'              | W 87° 10.506'               | P     |
| 18  | 128° mag  | 158 feet | N 30° 21.391'              | W 87° 10.480'               | S     |
| 19  | 171° mag  | 149 feet | N 30° 21.367'              | W 87° 10.475'               | V     |
| 20  | 157° mag  | 328 feet | N 30° 21.315'              | W 87° 10.452'               | 9     |
| 21  | 240° mag  | 143 feet | N 30° 21.302'              | W 87° 10.475'               | 8     |
| 22  | 81° mag   | 420 feet | N 30° 21.315'              | W 87° 10.399'               | 4     |
| 23  | 325° mag  | 108 feet | N 30° 21.330'              | W 87° 10.410'               | 5     |
| 24  | 80° mag   | 213 feet | N 30° 21.338'              | W 87° 10.371'               | W     |
| 25  | 139° mag  | 101 feet | N 30° 21.325'              | W 87° 10.358'               | M     |
| 26  | 82° mag   | 190 feet | N 30° 21.331'              | W 87° 10.323'               | 2     |
| 27  | 360° mag  | 380 feet | N 30° 21.393'              | W 87° 10.326'               | X     |
| 28  | 270° mag  | 545 feet | N 30° 21.389'              | W 87° 10.430'               | T     |
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| 36  | 258° mag  | 328 feet | N 30° 21.303'              | W 87° 10.627'               | N     |