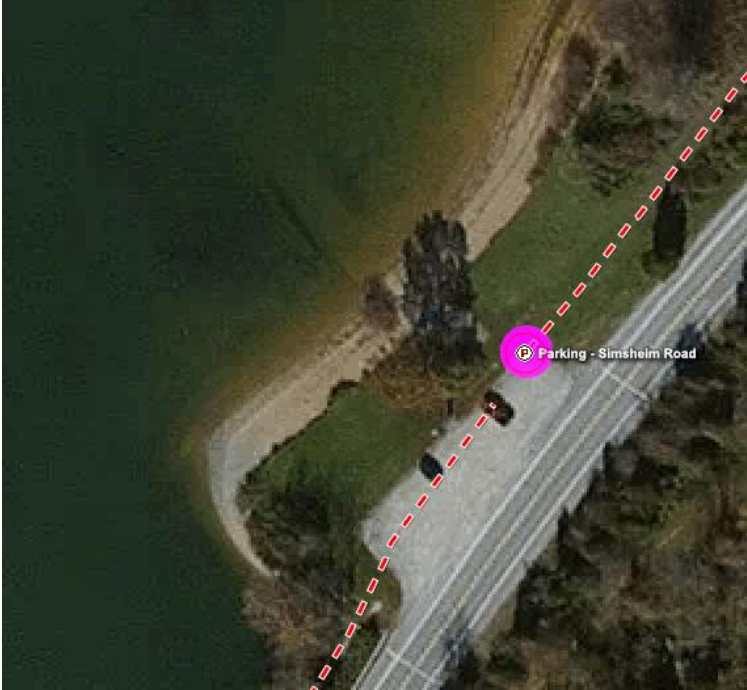


Compass Course - Codorus State Park – 5-Mile Ranger Trail

1. Start at the North East corner of the Parking area on Sinsheim Road at Sinsheim Cove. See photo below for exact point.

GPS Information: N39 47.66771 W076 53.30529



2. Use your map and compass and orient your map. Look for recognizable features like
 - a. Sinsheim Cove
 - b. Sinsheim Road
 - c. Round Island
3. In the parking area, use a tape measure and count out how many paces you take to travel 100 feet. Use the chart below to indicate number of steps for each distance

Feet Traveled	Steps
100 feet	
200	
300	
400	
500	
600	
700	
800	
900	
1000 feet	

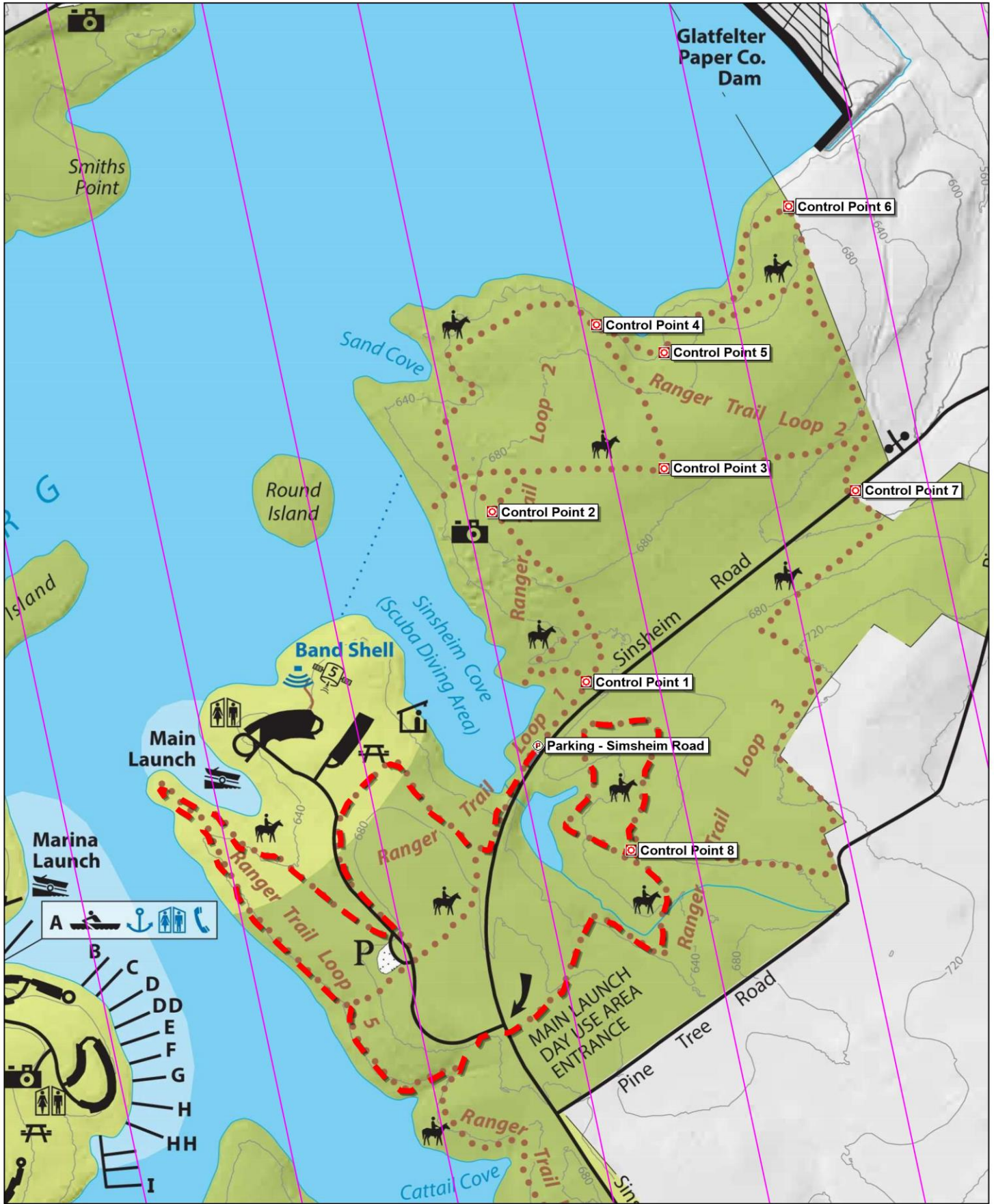
Only use your Compass do not use a Map

1. Using your compass, head in the direction of 50 degrees and follow the trail for 525 feet (175 yards) to Control Point 1. There will be an intersection in the trail at that point.
2. Head in the direction of 41 degrees for 1424 feet to Control Point 2. There will be an intersection in the trail at that point.
3. Head in the direction of 46 degrees and follow the trail for 916 feet to Control Point 3.

Use your Map and Compass

1. At Control Point 3 Orient your map using your compass.
2. Using the compass ruler and map scale, what is the estimated distance from Control Point 3 to Control Point 4? Your Estimate of Distance to Control Point 4: _____
3. Go to Control Point 4 and count your paces. How do they compare to your estimated distance? At Control Point 4, what features / landmarks help you orient your map without a compass?

4. Using the compass ruler and map scale, what is the estimated distance from Control Point 4 to Control Point 5? Your Estimated Distance to Control Point 5: _____
5. With your map oriented, use your compass to determine the direction (in degrees) should you head to get to Control Point 5. Your determination of direction (in degrees) to Control Point 5: _____
6. Go to Control Point 5.
How can you tell when you are at the control point 5? _____
7. Use your learned skills to go to Control Point 6. (1.213 miles from start.)
What is the interesting feature at this location? _____
8. Go to Control Point 7. (1.622 miles from start) What feature is at this location? _____
9. Make your way to Control Point 8. You have completed 2.54 miles so far.
10. Option 1: To complete 3 miles only, make your way back to the starting parking lot in the shortest possible way using trails.
11. Option 2: To complete another 2.5 miles for a total hike of 5 miles, continue west from Control Point 8 and follow the red dashed trail marked on the map. It will initially loop in a clockwise direction returning you back to Control Point 8. Continue south following the red dashed trail using your mapping skills. Follow the suggested path that will return you back to the parking lot.

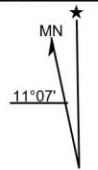


ExpertGPS

Codorus SP 5-mile Compass Course



Scale: 1 : 10000. Magnetic north lines every 1000 ft at 11°07' west of true north.



12.