

## Challenge 10. – Emerald Bay to Rubicon Point.

**This may be the most spectacular scenery of the whole event so enjoy the views. Look for the speed, time and distance calculations in the help section you'll need them here. The Magnetic declination at this location is 15° East.**

**Note: To calculate True North from Magnetic North on these maps: Take the Magnetic North Bearing and add the Declination.**

Check Point	Instruction	Question	Answer
CP 91	From the inlet at Vikingsholm paddle to the rock at the entrance of Emerald Bay at Emerald Point.	If your team paddles at an average speed of 5 mph, how long would this paddle take in minutes?	1.63 miles 19.56 minutes
CP 92	Find the Southern most rock in grid square 0751 4319. Your team has a tail wind and is now traveling at 7 mph.	How long will it take to reach this rock from CP 91 in minutes?	1.61 miles 13.8 minutes
CP 93	Find the elevation marker at Rubicon Point and beach your kayaks. Then bushwhack to the nearest trailhead.	What is the distance in meters from the marker to the trailhead?	150.8 meters
CP 94	Find the Park Headquarters building. From CP 93 find the flattest route by road and trail to the Park HQ building.	How many contour lines do you cross on the flattest route?	17
CP 95	Bushwhack from the Park HQ to Jakes Peak.	How much elevation do you gain from the Park HQ to the top of Jakes Peak?	2387 feet
CP 96	From Jakes Peak plot a bearing of 135° TN. From the Peak marked 9195 plot a bearing of 46° TN.	What is the elevation at the intersection of these 2 bearings?	9160 feet
CP 97	Bushwhack to the gate on highway 89 just above Emerald Bay.	What bearing from True North would you follow to reach the gate from CP 96?	98°
CP 98	Plot UTM 0752330E 4317180N	What is at this location?	Spot Elevation 6232
CP 99	Follow the trail back to CP 93.	What was the highest elevation you reached on this trail?	6600 feet
CP 100	Return to the Kayaks and follow a bearing of 120° Magnetic North for 1.5 miles.	What is the UTM at this location?	0753325E 4318870N
Rest Stop	<b>Go to <a href="http://www.ARNavigationalSupplies.com">www.ARNavigationalSupplies.com</a> and check your answers</b>		



R. 17 E.

750000mE

751

150.0

752

5' 00"

753

Paradise Flat

Campground

Rubicon Point

CP 99

CP 93

BM 6236

Campground

Campground

1.50 mi

CP 92

CP 100

CP 94

BM 6830

CP 98

CP 95

CP 96

CP 97

CP 91

Jakes Peak

Bail

Emerald Point

Eagle Point

Emerald Bay

EMERALD BAY

Fannette Island

Vikingsholm

BM 6579

Eagle Falls

Pers

Inspiration Point

Bayview Campground

Camground

BM 6613

Gate

Cascade

27

00"

000mN

4319

4318

4317

4316

4315

NATIONAL FOREST

WILDERNESS

WILDERNESS BOUNDARY

DIABLOSS STATE PARK

EMERALD BAY STATE PARK