Challenge 9. – Fallen Leaf Lake to Emerald Bay.

The Magnetic declination at this location is 15° East. You'll be portaging your boats so hopefully you've brought the wheels.

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 81	Find Sawmill Cove in Fallen Leaf Lake. You need to portage your kayaks from here to Baldwin Beach where you will paddle in Lake Tahoe.	What is the distance of the flattest possible route by trail where possible for the portage?	2.30 miles
CP 82	From the building at the East end of Baldwin beach plot a bearing of 348.5° True North. From the building at the West end of Baldwin beach plot a bearing of 36° True North.	At the intersection of these two bearings is a buoy. What is the UTM of this location?	0754410E 4315170N
CP 83	From CP 82 follow a bearing of 345° Magnetic North for 1 Mile.	What is the UTM of this location?	0754360E 4316770N
CP 84	From CP 83 follow a bearing of 249.5° Magnetic North.	What is the UTM of the point where you reach the beach?	0753215E 4316650N
CP 85	Paddle to the first Rock at the Entrance to Emerald Bay	What is the True North bearing from this Rock to the Peak marked 6389 at Eagle Point?	116.5°
CP 86	Find the BM labeled 6613 on highway 89. From the rock at the entrance to Emerald Bay paddle South to the nearest trail where you beach the kayaks.	What is the distance to BM 6613 and back by trail? If you average 4 mph how long will the round trip take in minutes and seconds?	2.96 miles 0:44:24
CP 87	Find the Northern most Pier on the opposite side of Emerald Bay.	What is the Magnetic North bearing that you would follow in the kayak from the trail to this location?	248.5° MN
CP 88	Find Fannette Island	What is the elevation at the top of Fannette Island?	6320 feet
CP 89	From Fannette Island paddle to the small inlet just South of Vikingsholm.	What is the elevation of Vikingsholm?	6240 feet
CP 90	Find the Gate on highway 89 just North of Emerald Bay.	What is the distance to this gate and back on the shortest route from Vikingsholm? If you were traveling an average of 4 mph how long will the round trip take your team in minutes and seconds?	2.22 miles 0:33:18
Rest Stop	Go to www.ARNavSupplies.com and check your answers		