

Challenge 8. – Meyers to Fallen Leaf Lake.

Your kayak compasses only show Magnetic North. 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 71	Find the intersection at UTM 0757560E 4306050N	From CP 70 using only the roads you can see on the map, what is the distance in miles of the shortest route to this location?	2.86 miles
CP 72	Find the intersection at UTM 0757185E 4308100N	What is the distance in miles of the shortest route from CP 71 to CP 72?	1.97 miles
CP 73	From CP 72 take the road and trails to the small lake in grid square 0755 4305	How many contour lines are crossed on the flattest route to the lake?	11
CP 74	Find the gate just North of Angora Lakes	What is the elevation of this gate?	7320 feet
CP 75	From Echo Peak plot a bearing of 42.5° TN From Angora Peak plot a bearing of 129.5° TN	What is the UTM of the building at the intersection of these 2 bearings?	0754650E 4305440N
CP 76	From CP 75 travel by the flattest route possible to Angora Lookout.	How many contour lines did you cross?	8
CP 77	Travel by Trail to the Piers at the Southern end of Fallen Leaf Lake.	How many buildings would you pass on your right side taking this route?	8
CP 78	Pick up your kayaks at the end of the Western Pier. The compasses in your kayaks only show Magnetic North. The Magnetic Declination at this location is 15° East Follow a bearing from the end of the Western Pier of 326.5° Magnetic North for 1.11 miles	What is the UTM of the building at this location?	0754005E 4309020N
CP 79	From CP 78 follow a bearing of 74.5° Magnetic North for 0.82 miles	What is the UTM of the building at this location?	0755330E 4309075N
CP 80	From CP 79 follow a bearing of 310° Magnetic North for 0.98 miles	What is the UTM of the Structure at this location?	0754390E 4310340N
Rest Stop	Go to www.ARNavigationalSupplies.com and check your answers		

