

Compass Course Instructions: Basic, Medium, Tough

Goals for the Compass Courses:

- Scouts will be able to handle map & compass at different ability levels.
- Scouts will learn to recognize geographic features on the map to locate their position accurately
- Scouts will practice locating control points
- Scouts will be able to plan their routes to avoid obstacles and take advantage of terrain.
- Scouts can learn how to use catching features, attack points, hand rails, other checkpoints, learn to 'aim off' and accurate pacing in the field.

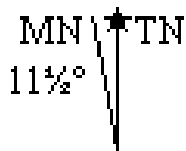
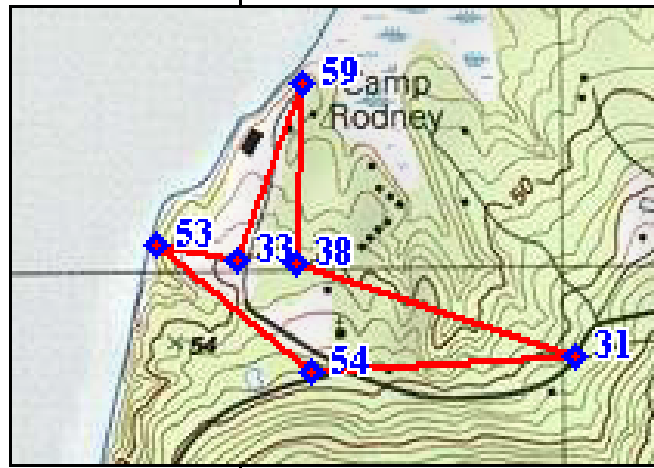
The three existing compass courses are Basic, Medium and Tough. The scouts start all courses in front of Sampson Lodge, mark **54 CC**. Standing on the porch, look across the road to the right of the fork. Using the right map & compass, teams of scouts can be sent either clockwise or counterclockwise to complete the appropriate course. As the scouts complete the course, they complete the number letter code for each mark. The Tougher course will not list the numbers on the map, only a counting number so these scouts must be sure they have reached the proper mark without a number clue. Basic course ~ 2.1 km, 1.3 mi. Medium course, ~2.6km, 1.6 mi. Tough course, ~3.1 km, 1.9 mi.

Compass Points Competition:

Explain the contest to Scouts. Basic idea is in 30 - 40 minutes (you decide) each patrol must catalog the maximum number of points, using map & compass, their judgement of topography, distance, speed and skill. **Scouts may not travel alone**, you decide if they can split their patrol or not based on numbers & your goals. Give each patrol an 'all points' map and start the timer. They analyze map, decide a plan, set out. As they return, mark their official time – each minute overtime costs 2 minutes. Total up the scores and you have a winner.

Master Basic

Basic course, scout copy ALWAYS TRAVEL WITH BUDDIES
 WGS84 75°59.000' W



Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com)

Marker Name	Distance	Leg Length	Course
54 CC	0.0 m		
53 US	353.8 m	353.8 m	310° true
33 I	498.7 m	144.9 m	102° true
59 D	825.8 m	327.0 m	20° true
38 Y	1.143 km	317.2 m	182° true
31 CT	1.653 km	510.0 m	108° true
54 CC	2.114 km	461.2 m	266° true

Using the map and the table above, locate each marker on your course. Write down the letter code that matches the right marker. Always hike with a buddy.

Master Copy

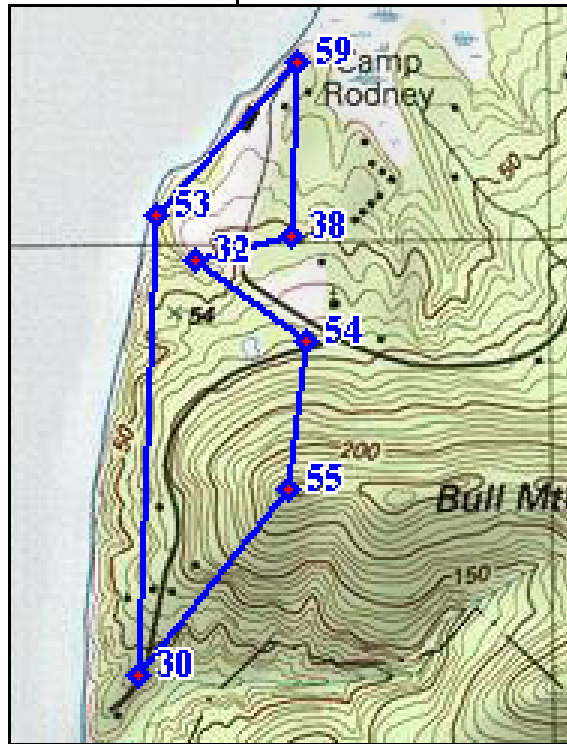
Master Medium

Medium Course Staff Copy

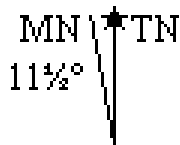
Medium course, scout copy

ALWAYS TRAVEL WITH BUDDIES

WGS84 75°59.000' W



WGS84 75°59.000' W



Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)

Name	Distance	Leg Length	Course
54 CC	0.0 m		
55 NO	268.2 m	268.2 m	187° true
30 QU	701.2 m	433.0 m	219° true
53 US	1.534 km	833.1 m	2° true
59 D	1.911 km	376.8 m	43° true
38 Y	2.228 km	317.2 m	182° true
32 X	2.406 km	178.0 m	256° true

54 CC

2.652 km

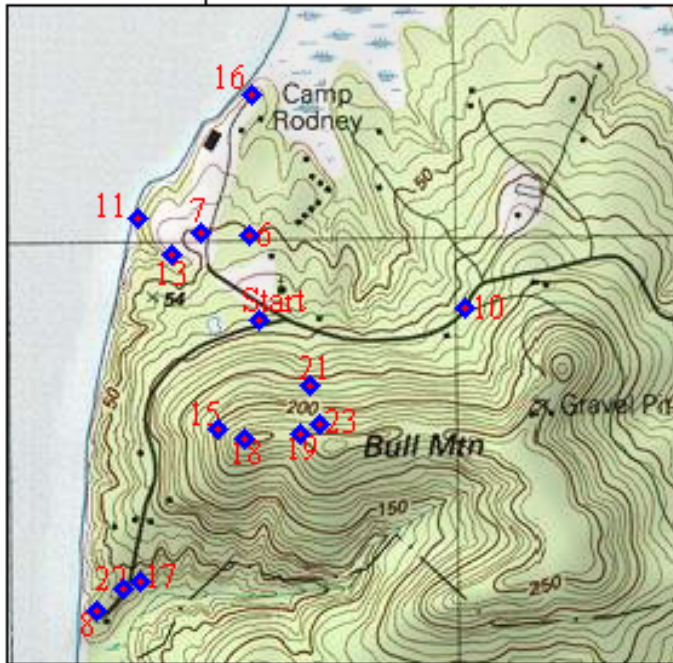
245.2 m

127° true

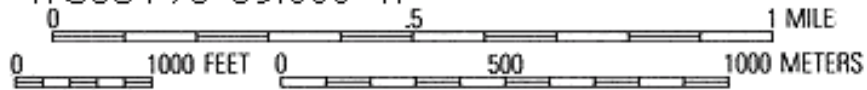
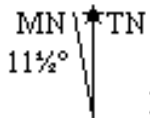
Master Points

Right Code gains Points, Overtime loses Points Never Hike Alone!

WGS84 75°59.000' W



WGS84 75°59.000' W



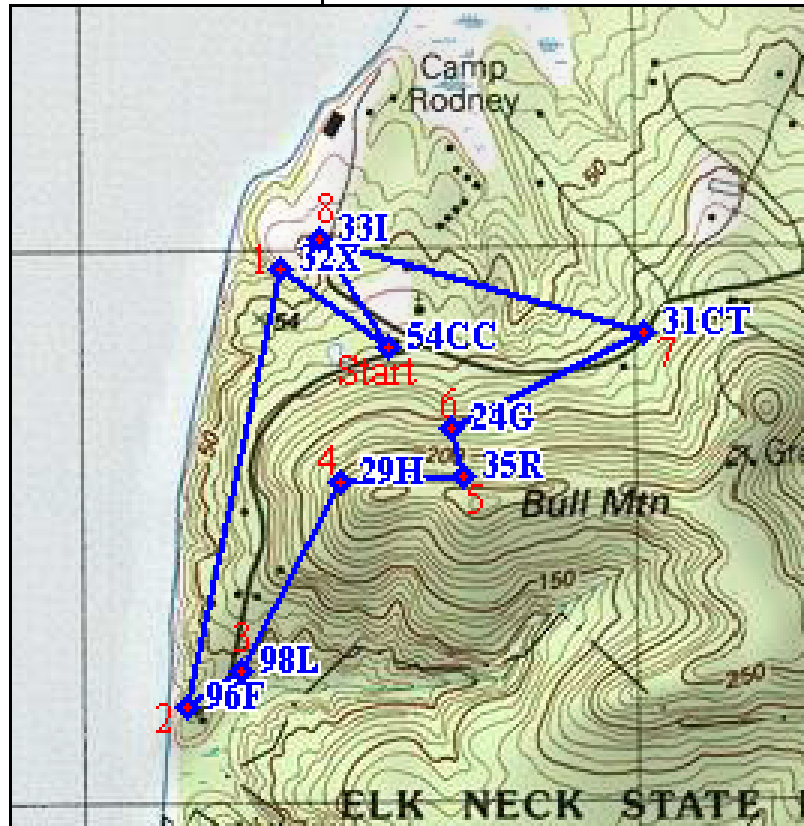
Map created with TOPO!© ©2002 National Geographic (www.nationalgeographic.com/topo)

Points	Name	Description	Position	Color
21	24G	UP SADLER TRAIL, 50 YDS WEST ROAD FORK ABOVE WATER STORAGE	N39 30.514 W75 58.839	Green
15	29H	BOTTOM OF RAVINE, X 2 VEES	N39 30.463 W75 58.980	Green
22	30QU	FORK IN ROAD W OF RIFLE RANGE	N39 30.268 W75 59.128	Green
10	31CT	UPSTREAM BRIDGE IN DRY CREEK	N39 30.609 W75 58.595	Green
13	32X	DRY STREAMBED NEAR ARCHWAY	N39 30.672 W75 59.054	Green
7	33I	SIDE OF HILL - TOUGHER TO FIND	N39 30.700 W75 59.006	Green
23	35R	PATH WEST OF BROWN LODGE	N39 30.468 W75 58.823	Green
6	38Y	BAY SIDE MAIN PARADE FIELD	N39 30.695 W75 58.934	Blue
11	53US 54	FORK IN ROAD NR SAMPSON LODGE	N39 30.716 W75 59.106	Blue
0	CC	WESTERN KNOB BULL MOUNTAIN	N39 30.593 W75 58.917	Blue
18	55NO	INSIDE CURVE NEAR BOATYARD	N39 30.449 W75 58.939	Blue
16	59D	EDGE OF FISHERMANS CLEARING	N39 30.866 W75 58.928	Blue
8	96F	SADDLE AT TRAIL X, OLDER SIGN TOP OF V OVERLOOK RAVINE & 30QU	N39 30.244 W75 59.170	Blue
19	97T		N39 30.457 W75 58.855	Blue
17	98L		N39 30.278 W75 59.104	Blue

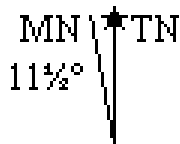
Master Tough

Tougher course Never Hike Alone!!!!

WGS84 75°59.000' W



WGS84 75°59.000' W



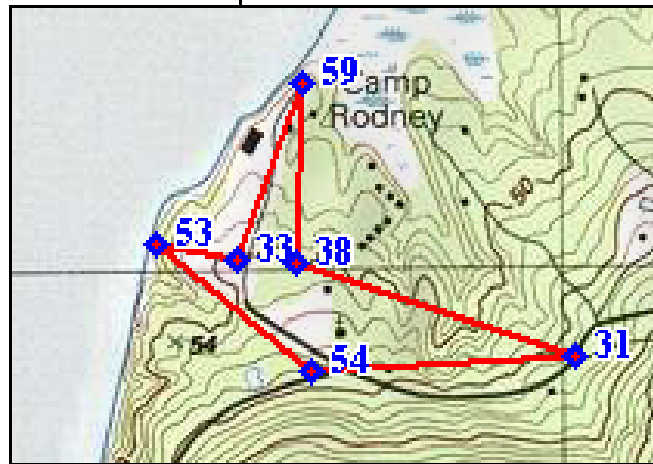
Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/to

Start	54 CC	0.0 m		
1	32 X	245.2 m	245.2 m	307° true
2	96 F	1.056 km	811.3 m	192° true
3	98 L	1.171 km	114.1 m	56° true
4	29 H	1.556 km	385.7 m	27° true
5	35 R	1.781 km	224.6 m	87° true
6	24 G	1.869 km	88.2 m	345° true
7	31 CT	2.259 km	389.8 m	63° true
8	33 I	2.871 km	612.5 m	286° true
Finish	54 CC	3.108 km	237.0 m	147° true

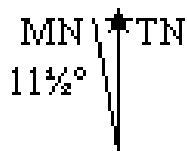
Scout Basic

Basic course, scout copy ALWAYS TRAVEL WITH BUDDIES

WGS84 75°59.000' W



WGS84 75°59.000' W



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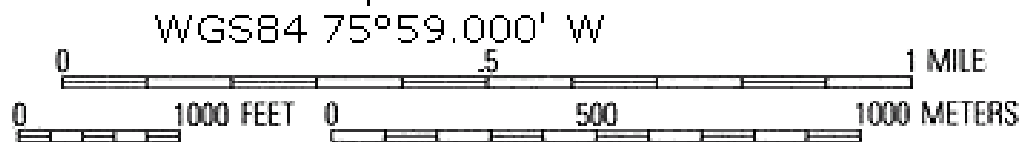
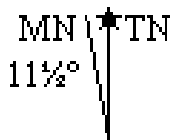
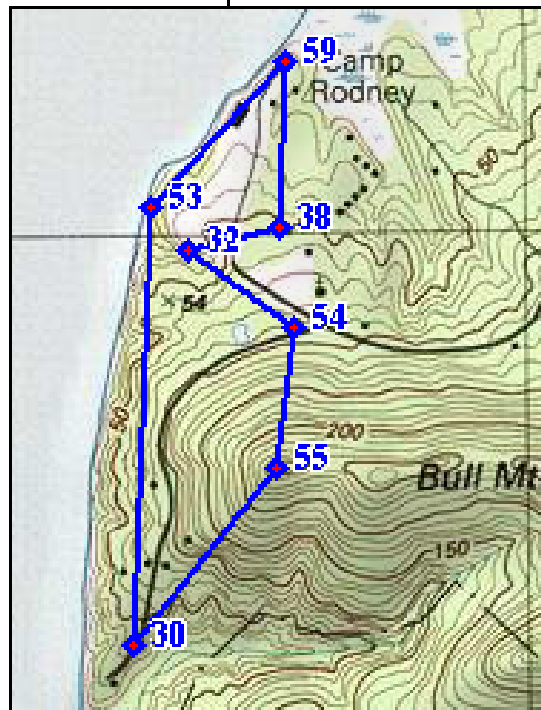
Marker Name	Distance	Leg Length	Course
54 CC	0.0 m		
53	353.8 m	353.8 m	310° true
33	498.7 m	144.9 m	102° true
59	825.8 m	327.0 m	20° true
38	1.143 km	317.2 m	182° true
31	1.653 km	510.0 m	108° true
54 CC	2.114 km	461.2 m	266° true

Using the map and the table above, locate each marker on your course. Write down the letter code that matches the right marker. Always hike with a buddy.

Scout Medium

Medium course, scout copy ALWAYS TRAVEL WITH BUDDIES

WGS84 75°59.000' W



Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)

Name	Distance	Leg Length	Course
54 CC	0.0 m		
55			
30			
53			
59			
38			
32			
54 CC	2.652 km		

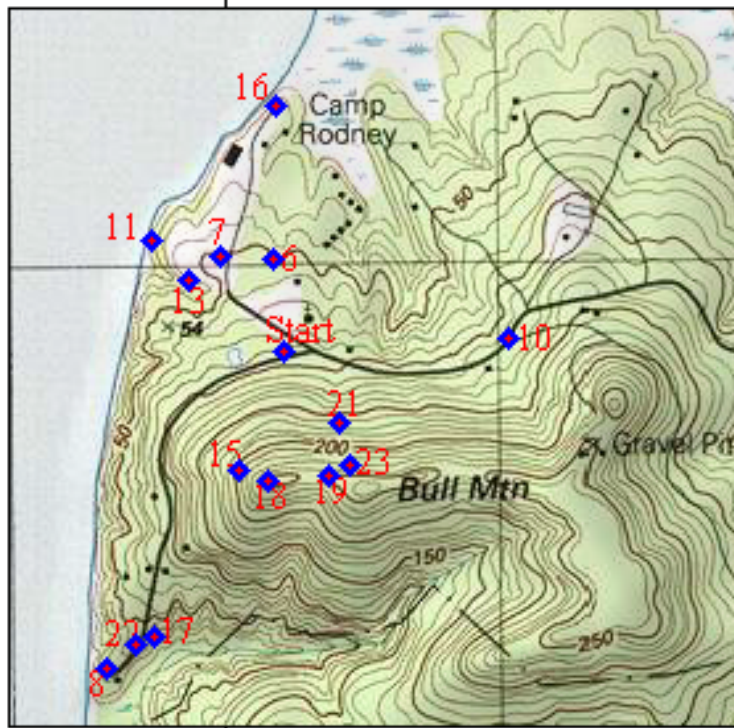
Follow the compass course as outlined above, either clockwise or counter-clockwise. Write down the letter code when you find the right course marker. Write down your estimates for Distance and Course. **Always hike with a buddy.**

Scout Points

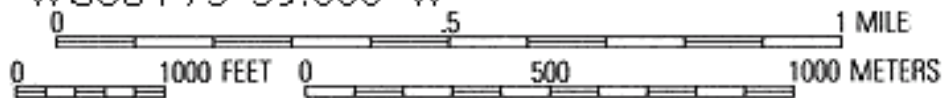
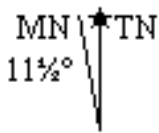
Right Code gains Points, Overtime loses Points

Never Hike Alone!

WGS84 75°59.000' W



WGS84 75°59.000' W



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21	15	22	10	13	7	23	6

11	0	18	16	8	19	17	
	54 CC						

By patrol, divide into small teams of 2 or 3. Assign marks based on value, location and geography. Use your map & compass to plan your route. Find your marks and write down your coded answers. Return to starting area by the finishing time. Each minute late will cost your patrol 2 points. Any patrol member traveling alone will get lost, & when found will be beaten senseless with camp biscuits.

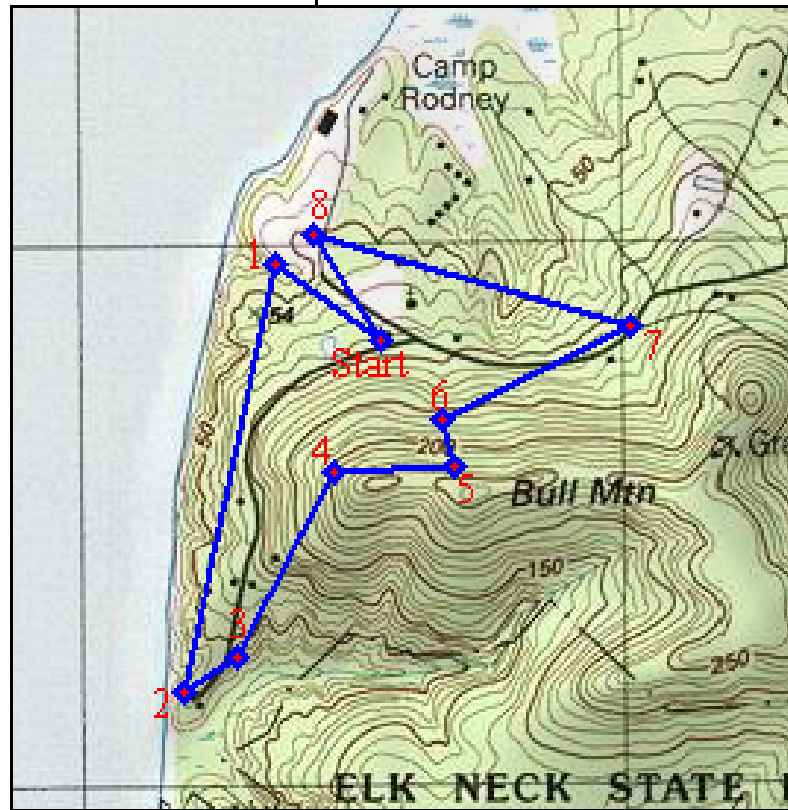
**DO NOT TRAVEL ALONE –
YOUR PATROL WILL BE DISQUALIFIED.**

Good luck and have fun!

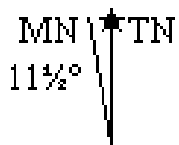
Scout Tough

Tougher course Never Hike Alone!!!!

WGS84 75°59.000' W



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	1	2	3	4	5	6	7	8	9	10
Code	54CC									54CC
Bearing	XX									
Meters	XX									

Fill in the chart above with the proper code, bearing and estimates.

ALWAYS TRAVEL WITH A BUDDY

STAFF MASTER

Name	Description	Position	Points	Color
24G	UP SADLER TRAIL, 50 YDS WEST	N39 30.514 W75 58.839	21	Green
29H	ROAD FORK ABOVE WATER STORAGE	N39 30.463 W75 58.980	15	Green
30QU	BOTTOM OF RAVINE, X 2 VEES	N39 30.268 W75 59.128	22	Green
31CT	FORK IN ROAD W OF RIFLE RANGE	N39 30.609 W75 58.595	10	Green
32X	UPSTREAM BRIDGE IN DRY CREEK	N39 30.672 W75 59.054	13	Green
33I	DRY STREAMBED NEAR ARCHWAY	N39 30.700 W75 59.006	7	
35R	SIDE OF HILL - TOUGHER TO FIND	N39 30.468 W75 58.823	23	Green
38Y	PATH WEST OF BROWN LODGE	N39 30.695 W75 58.934	6	
53US	BAY SIDE MAIN PARADE FIELD	N39 30.716 W75 59.106	11	Blue
54 CC	FORK IN ROAD NR SAMPSON LODGE	N39 30.593 W75 58.917		Blue
55NO	WESTERN KNOB BULL MOUNTAIN	N39 30.449 W75 58.939	18	Blue
59D	INSIDE CURVE NEAR BOATYARD	N39 30.866 W75 58.928	16	
96F	EDGE OF FISHERMANS CLEARING	N39 30.244 W75 59.170	8	Blue
97T	SADDLE AT TRAIL X, OLDER SIGN	N39 30.457 W75 58.855	19	Blue
98L	TOP OF V OVERLOOK RAVINE & 30QU	N39 30.278 W75 59.104	17	Blue

Basic Course

54 CC	FORK IN ROAD NR SAMPSON LODGE	N39 30.593 W75 58.917		Blue
53US	BAY SIDE MAIN PARADE FIELD	N39 30.716 W75 59.106	11	Blue
33I	DRY STREAMBED NEAR ARCHWAY	N39 30.700 W75 59.006	7	
59D	INSIDE CURVE NEAR BOATYARD	N39 30.866 W75 58.928	16	
38Y	PATH WEST OF BROWN LODGE	N39 30.695 W75 58.934	6	
31CT	FORK IN ROAD W OF RIFLE RANGE	N39 30.609 W75 58.595	10	Green
54 CC	FORK IN ROAD NR SAMPSON LODGE	N39 30.593 W75 58.917		Blue

Medium Course

54 CC	FORK IN ROAD NR SAMPSON LODGE	N39 30.593 W75 58.917		Blue
55NO	WESTERN KNOB BULL MOUNTAIN	N39 30.449 W75 58.939	18	Blue
30QU	BOTTOM OF RAVINE, X 2 VEES	N39 30.268 W75 59.128	22	Green
53US	BAY SIDE MAIN PARADE FIELD	N39 30.716 W75 59.106	11	Blue
59D	INSIDE CURVE NEAR BOATYARD	N39 30.866 W75 58.928	16	
38Y	PATH WEST OF BROWN LODGE	N39 30.695 W75 58.934	6	
32X	UPSTREAM BRIDGE IN DRY CREEK	N39 30.672 W75 59.054	13	Green
54 CC	FORK IN ROAD NR SAMPSON LODGE	N39 30.593 W75 58.917		Blue

Tougher Course

					Mark #
54 CC	FORK IN ROAD NR SAMPSON LODGE	N39 30.593 W75 58.917		Blue	
32X	UPSTREAM BRIDGE IN DRY CREEK	N39 30.672 W75 59.054	13	Green	1
96F	EDGE OF FISHERMANS CLEARING	N39 30.244 W75 59.170	8	Blue	2
98L	TOP OF V OVERLOOK RAVINE & 30QU	N39 30.278 W75 59.104	17	Blue	3
29H	ROAD FORK ABOVE WATER STORAGE	N39 30.463 W75 58.980	15	Green	4
35R	SIDE OF HILL - TOUGHER TO FIND	N39 30.468 W75 58.823	23	Green	5
24G	UP SADLER TRAIL, 50 YDS WEST	N39 30.514 W75 58.839	21	Green	6
31CT	FORK IN ROAD W OF RIFLE RANGE	N39 30.609 W75 58.595	10	Green	7
33I	DRY STREAMBED NEAR ARCHWAY	N39 30.700 W75 59.006	7		8
54 CC	FORK IN ROAD NR SAMPSON LODGE	N39 30.593 W75 58.917		Blue	