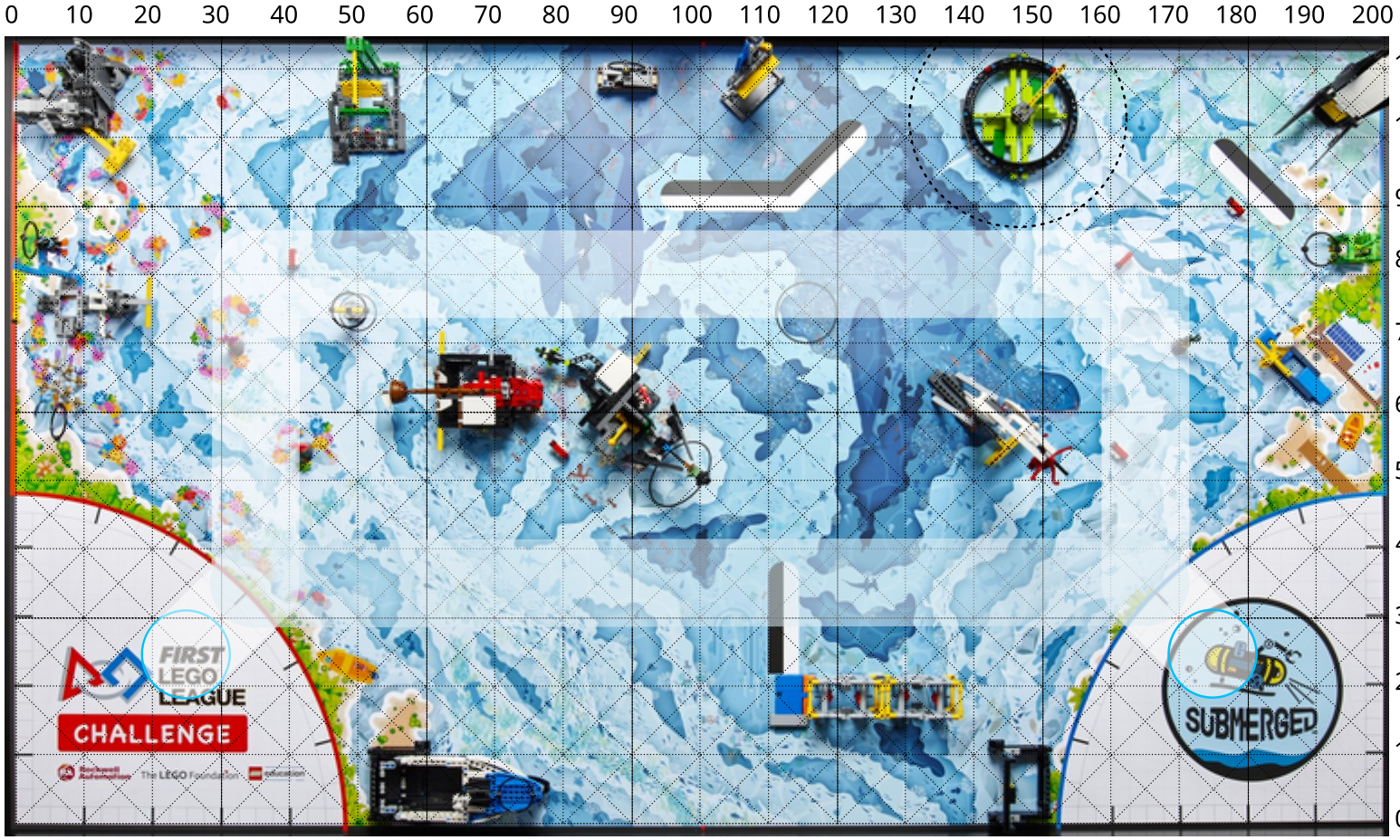
Otter Bot Mission Plan

Title: _____

Mission Planner(s): _____ Date: _____

R_{Bot}: _____
D_{wheel}: _____



Scale: 1:10 ; 1 mm = 1 cm

Goals, Objective(s):

_____

_____

Results, Feedback:

_____

_____

Point Goal: _____

Estimated Time: _____

Trial Time: _____ _____ _____

Trial Points: _____ _____ _____

1 2 3

R2024-10-25

Turn	f	R_out	R_c	R_in
		cm	*cm*	*cm*
100	-1	6.4	**0.0**	-6.4
75	-0.5	8.5	**2.1**	-4.3
50	0	12.8	**6.4**	0.0
40	0.2	16.0	**9.6**	3.2
30	0.4	21.4	**15.0**	8.5
25	0.5	25.6	**19.2**	12.8
20	0.6	32.1	**25.6**	19.2
17	0.66	37.7	**31.3**	24.9
15	0.7	42.7	**36.3**	29.9
14	0.72	45.8	**39.4**	33.0
13	0.74	49.3	**42.9**	36.5
12	0.76	53.4	**47.0**	40.6
11	0.78	58.3	**51.9**	45.5
10	0.8	64.1	**57.7**	51.3
9	0.82	71.2	**64.8**	58.4
8	0.84	80.1	**73.7**	67.3
7	0.86	91.6	**85.2**	78.8
6	0.88	106.8	**100.4**	94.0
3	0.94	213.7	**207.3**	200.8
2	0.96	320.5	**314.1**	307.7
1	0.98	641.0	**634.6**	628.2
0	1	∞	∞	∞

Bot Radius: 6.41 cm
Wheel Dia.: 5.56 cm
Wheel Circ.: 17.5 cm
1 Radian = 57.296°
π = 3.1416
2πr = πD = 360°
2πr = 6.31 radians