

Little Traverse Yacht Club 50th Annual Regatta Sailing Instructions

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Little Traverse Yacht Club

50th Annual Regatta

And One-Design Series

July 30, 31 and August 1, 2010
Harbor Springs, Michigan

Organizing Authority:
Little Traverse Yacht Club
Harbor Springs, Michigan

SAILING INSTRUCTIONS_{v5}

1 RULES

- 1.1 The 50th Annual Regatta and One-Design Series will be governed by the 'rules' as defined in The Racing Rules of Sailing (RRS), 2009-2012, including US Sailing Prescriptions; the 2010 IRC Rule, parts A, B & C; the Performance Handicap Rating Formula of Lake Michigan; the GL70 Class Rules; the Class Rules for the eligible One-Design classes except as changed by these Sailing Instructions and these Sailing Instructions.
- 1.2 Each boat shall be equipped with auxiliary power and fuel to allow the boat to power for 6 nautical miles. Each boat shall sail in compliance with equipment regulations of the US COAST GUARD and the STATE OF MICHIGAN, and with the rules of their class or handicapping system.
- 1.3 Each boat will carry a VHF radio.
- 1.4 The J/105 crew weight limit will not be in effect as long as there are no more than six crew members.

2 ELIGIBILITY

The 50th Annual Regatta and One-Design Series is open to boats in compliance with (i) the Notice of Race and (ii) these Sailing Instructions.

3 NOTICE TO COMPETITORS

Notices to competitors will be posted on the official notice board located on the first floor of the Little Traverse Yacht Club.

4 CHANGES TO SAILING INSTRUCTIONS

Any change to the sailing instructions will be posted before 0830 on the day it will take effect, except that any change to the schedule of races will be posted by 1900 on the day before it will take effect.

5 SIGNALS MADE ASHORE

- 5.1 Signals made ashore will be displayed on the flagpole at the Little Traverse Yacht Club.

- 5.2 If the AP (postponement) Flag is displayed ashore, the first warning signal will be made not less than 60 minutes after the AP Flag is lowered. This modifies RRS-Race Signals.

6 SCHEDULE OF RACES

6.1 Friday, July 30, 2010

The GL 70s and all other one-design classes will race windward/leeward races. Up to three races are scheduled.

First signal, 1030 hrs.

6.2 Saturday, July 31, 2010

Classes: All IRC, PHRF Division I, PHRF Division II classes and Division III (Jib & Main) will race one "Tour of the Bay" race. Classes will start in accordance with RRS 26 in alphabetical order with the warning signal for the first class scheduled at 1030 hrs. The warning signal for each subsequent class will be the starting signal for the preceding class, unless there is a postponement or delay in the sequence which will be announced on VHF 79.

6.3 Sunday, August 1, 2010

All Classes, except Division III (Jib & Main) will race windward leeward courses. Up to three races are scheduled. There may be two racing circles. Classes will be assigned to racing circles after all entries are registered.

First signal: 1030 hrs

7 DIVISIONS, CLASSES, CLASS FLAGS AND PENNANTS

- 7.1 Divisions and classes will be designated on the Scratch Sheets provided after registration.

- 7.2 Class flags will be solid colors as designated on Attachment A.

- 7.3 Class pennants of the same colors will be provided and shall be displayed from the backstay, or stern rail if no backstay, while racing.

8 RACING AREAS

- 8.1 Attachment B shows the location of racing areas and the locations of the fixed and set marks for Saturday's "Tour of the Bay" race.

- 8.2 For Friday windward/leeward racing, the rendezvous points will be LTYC fixed mark "G".

- 8.3 For Saturday's "Tour of the Bay" race, the rendezvous point for all boats will be at fixed mark "G," "T" or "W," as indicated on the Race Committee Signal Boat Course Board and announced on VHF 79.

- 8.4 For Sunday windward/leeward racing, the rendezvous points will be as follows:

Course 1 - LTYC fixed mark "M"

Course 2 - LTYC fixed mark "G"

9 THE COURSES

- 9.1 The courses for Friday and Sunday will be windward/leeward from 2 to 6 legs. Windward/leeward courses will be sailed with marks left to port. A course board will display the number of legs to be sailed. For example, "4" would indicate 4 legs: windward, leeward, windward and finish to leeward at the Race Committee boat.

- 9.2 The course for Saturday is a multi-leg "Tour of the Bay" race with several legs. There are separate courses for Division I, Division II and Division III (Jib & Main). The "Tour of the Bay" courses are shown in Attachment C.

10 MARKS

- 10.1 Marks will be a combination of LTYC fixed marks and yellow and orange inflatable marks. LTYC fixed marks are orange cylinders with the buoy identification letter printed in black on the cylinder. Skippers please note: Bay View Sail Club marks are of similar character, but without the identification letter, and are located near the LTYC "T" mark. The back of Attachment B shows the approximate compass headings and distances of the LTYC fixed marks with latitude/longitude reference.

- 10.2 For windward/leeward racing on Friday and Sunday, the marks will be inflatable marks. There will be no offset marks or gates. There may be two windward marks at different distances from the

starting line. The distance to each weather mark for each class will be posted on the Signal Boat Course Board and announced on the designated VHF Channel.

11 THE START

- 11.1** The starting line will be between an inflatable mark at the port end and a staff displaying an orange flag on the Race Committee Signal Boat at the starboard end.
- 11.2** The Race Committee Signal Boat may be protected by a nearby inflatable limit mark, which shall rank as a starting mark. Boats shall not pass between a limit mark and the nearby committee boat when approaching the line to start. The area between the limit mark and the committee boat does not rank as an obstruction for the purposes of RRS 18,19, & 20.
- 11.3** Boats whose warning signal has not been made shall keep clear of the starting area. The starting area is a rectangle 100 yards deep immediately behind the starting line.
- 11.4** Starting sequences will be posted with the Class assignments and announced over the designated VHF Channel.

12 RECALLS

Individual Recalls will be signaled in accordance with RRS 29.1. In addition, the Race Committee may attempt to hail and/or broadcast, on VHF channel specified in below, the recalled boat's sail number, but is under no obligation to do so. Failure of a boat to hear her recall notification shall not relieve her of the obligation to start correctly and shall not be grounds for redress.

13 CHANGE OF POSITION OF THE NEXT MARK

- 13.1** On Friday and Sunday, a signal board with the letters for the classes for which the change of course applies will be used. The new marks will be a different color inflatable for the first change. When subsequent changes of course are signaled in the same race, the original marks will be used for the second change and so on.
- 13.2** Although the course may be shortened on Saturday, the position of the marks will not be changed during the "Tour of the Bay" race.

14 THE FINISH

- 14.1** For windward/leeward racing on **Friday and Sunday**, the leeward finish line will be between the staff displaying an orange flag on the race committee signal boat and an inflatable mark on the opposite side of the race committee signal boat from the starting line. A windward finish will be between the staff displaying an orange flag on the windward race committee boat and the windward mark. If the leeward mark is changed, a leeward finish will be between the staff displaying an orange flag on the race committee boat and the new leeward mark.
- 14.2** For Saturday racing, unless the course is shortened in accordance with RRS 32, the finish line will be between the staff displaying an orange flag on the race committee signal boat and LTYC fixed mark "H". The Race Committee may shorten the course for some, but not necessarily all, classes.

15 PENALTY SYSTEM

- 15.1** A boat that may have broken RRS Part 2 while racing may take either a Two Turns Penalty (RRS 44.2) or may take a Scoring Penalty (RRS 44.3). The Scoring Penalty shall be the whole number (rounding 0.5 upward) nearest to 20% of the number of boats entered, but not less than 2 places. This changes RRS 44.3.
- 15.2** A boat that has taken a penalty or retired under RRS 31.2 or 44.1 shall complete an acknowledgement form at the Regatta Desk within the protest time limit.

16 TIME LIMITS

- 16.1** For windward/leeward racing on Friday and Sunday, the first boat in each class must finish within 2 hours of her start. Boats failing to finish within 45 minutes of the first boat in her class will be scored TLE, as described below.
- 16.2** For Saturday's "Tour of the Bay," the first boat in each class must finish within 6 hours of her start. Boats failing to finish within 2 hours of the first boat in her class will be scored TLE, as described below.

17 PROTESTS AND REQUESTS FOR REDRESS

- 17.1** Protest forms are available at the Regatta Desk. Protests shall be delivered there within the protest time limit.
- 17.2** The protest time limit is 60 minutes after the protesting boat has finished. The jury may extend this time limit under extenuating circumstances.
- 17.3** Notices will be posted to inform competitors of hearings in which they are parties or named as witnesses. Hearings will be held in the protest room on the second floor of the LTYC Clubhouse as soon as possible thereafter.
- 17.4** Notices of protests by the race committee or jury will be posted to inform boats under RRS 61.1(b).

18 SCORING

- 18.1** The Low Point scoring system of Appendix A will apply to the Annual Regatta and the One-Design Series with the following changes: boats failing to finish within the time limit will be scored TLE (time limit expired) and scored points equal to the number of finishers in the race plus two, but in no case will be scored more than the number of starters.
- 18.2** One completed race is required to constitute a series.
- 18.3** A boat's series score will be the total of her race scores. This changes RRS A2.
- 18.4** The "Tour of the Bay" race will be weighted at 1.5 in determining the winner of each class.
- 18.5** The One-Design Series will consist of all races sailed on Friday, Saturday and Sunday.
- 18.6** The Annual Regatta will consist of all races sailed on Saturday and Sunday, except for Division III (Jib & Main), which will race only the "Tour of the Bay" race on Saturday.
- 18.7** The best overall performance in each division of the Annual Regatta, and thus the division champion, will be determined as follows:

For Divisions I and II, the combined corrected seconds per mile for all races completed on Saturday and Sunday will be calculated for the winner of each class in each of the divisions. The class winning boat with the lowest combined average corrected seconds per mile in each of the Divisions, is the Division Champion.

19 RETIREMENT

A boat that retires from a race shall notify the race committee as soon as possible.

20 DISCHARGE OF REFUSE

Discharge of refuse while racing shall be subject to protest and penalty.

21 CONDUCT OF COMPETITORS

Each boat owner or skipper is responsible for the conduct of his crew before, during, and after the event, both afloat and ashore. Conduct unbecoming to a yachtsperson may result in the boat being penalized.

22 RADIO COMMUNICATION

A boat shall neither make radio transmissions nor receive radio communications that are not available to all boats. This restriction applies to mobile telephones. Boats on Course 1 are requested to monitor VHF channel 79 for Race Committee announcements on Friday and Sunday. Boats on Course 2 are requested to monitor VHF channel 69 on Sunday. All boats are requested to monitor VHF channel 79 for Race Committee announcements on Saturday.

23 AWARDS

- 23.1** Awards for the Annual Regatta and the One-Design Series will be presented on Sunday at the Little Traverse Yacht Club, following racing.
- 23.2** Permanent trophies will be awarded to the overall winners of Division I and II of the Annual Regatta; there will be 1st, 2nd and 3rd place plates presented for each Division. There will be 1st, 2nd and 3rd place flags presented for each Class in the Annual Regatta, including Division III (Jib & Main).
- 23.3** There will be 1st, 2nd and 3rd place flags presented for each Class in the One-Design Series.

24 DISCLAIMER OF LIABILITY

Each boat owner or skipper is responsible for the safety of his boat, crew, and guests. By participating in the event he warrants and represents for the benefit of his crew, guests, LTYC, other participants, and spectators of the event that his boat is seaworthy, and that his crew is experienced and in good physical condition to safely and properly participate in the event in all weather conditions. Competitors participate in the regatta entirely at their own risk. See RRS 4, Decision to Race. The organizing authority will not accept any liability for material damage or personal injury or death sustained in conjunction with or prior to, during, or after the regatta.

Regatta Chairman:

Rich Lehmann – rlehmann@biltmorebankaz.com

Principal Race Officers:

Dick Neville – rneville@innovprop.com

Eric Lind – erlind@chartermi.net

Little Traverse Yacht Club

2010 Annual Regatta and One-Design Series

CLASS FLAG COLORS

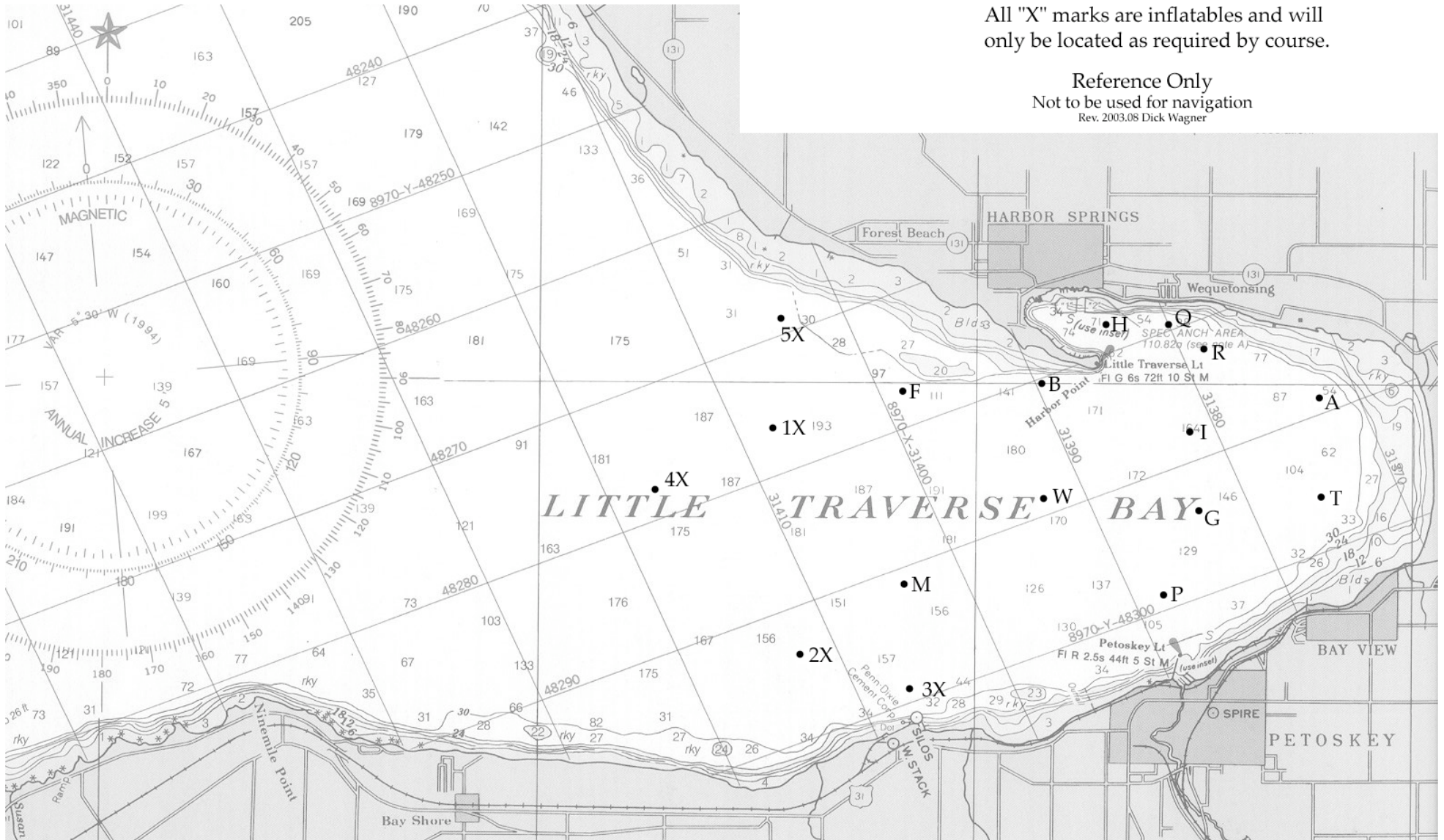
<u>CLASS</u>	<u>COLOR</u>
A IRC	Grey
B PHRF	Bright Green
C IRC	Purple
D PHRF	White
E PHRF	Green
F PHRF	Light Blue
G J-105	Pink
H PHRF Jib & Main	No flag required

RACE BUOY LOCATIONS LITTLE TRAVERSE YACHT CLUB ANNUAL REGATTA

- | | |
|------------------|-------------------|
| A - Airport | M- Mid Bay |
| B - Bay | P - Petoskey |
| F - Forest Beach | Q - Wequetonsing |
| G - Graham | R - Roaring Brook |
| H - Harbor | T - Tannery |
| I - Irish | W - West |

All "X" marks are inflatables and will only be located as required by course.

Reference Only
Not to be used for navigation
Rev. 2003.08 Dick Wagner



Little Traverse Yacht Club

Regatta Buoy Locations

A - N 45° 24.890'	W 084° 56.110'	M - N 45° 23.380'	W 085° 00.780'	1X - N 45° 24.620'	W 085° 02.353'
B - N 45° 25.000'	W 084° 59.300'	P - N 45° 23.300'	W 084° 57.850'	2X - N 45° 22.789'	W 085° 01.966'
F - N 45° 24.910'	W 085° 00.830'	Q - N 45° 25.487'	W 084° 57.845'	3X - N 45° 22.540'	W 085° 00.730'
G - N 45° 23.950'	W 084° 57.490'	R - N 45° 25.240'	W 084° 57.430'	4X - N 45° 24.130'	W 085° 03.650'
H - N 45° 25.460'	W 084° 58.560'	T - N 45° 24.100'	W 084° 56.100'	5X - N 45° 25.500'	W 085° 02.212'
I - N 45° 24.620'	W 084° 57.600'	W - N 45° 24.050'	W 084° 59.290'		

Magnetic Headings and Distances

This table is only a guide. Prudent sailors will verify these figures.

From	To >>>																
	A	B	F	G	H	I	M	P	Q	R	T	W	1X	2X	3X	4X	5X
A		279° 2.25 nm	277° 3.32 nm	232° 1.35 nm	295° 1.81 nm	262° 1.08 nm	252° 3.62 nm	224° 2.01 nm	302° 1.36 nm	297° 0.99 nm	186° 0.79 nm	256° 2.39 nm	273° 4.40 nm	249° 4.62 nm			
B	099° 2.25 nm		271° 1.08 nm	136° 1.65 nm		114° 1.25 nm	219° 1.93 nm	155° 1.99 nm		086° 1.34 nm	118° 2.42 nm	186° 0.95 nm			208° 2.66 nm		
F	096° 3.32 nm	091° 1.08 nm		118° 2.54 nm		102° 2.29 nm	185° 1.53 nm	134° 2.64 nm		088° 2.41 nm	110° 3.42 nm	135° 1.38 nm					
G	052° 1.35 nm	316° 1.65 nm	299° 2.54 nm		340° 1.69 nm	000° 0.68 nm	262° 2.38 nm	207° 0.70 nm	357° 1.56 nm	008° 1.29 nm	087° 0.99 nm	281° 1.27 nm					
H	115° 1.81 nm			160° 1.69 nm		147° 1.08 nm		173° 2.22 nm	093° 0.50 nm	112° 0.82 nm	134° 2.20 nm						
I	082° 1.08 nm	294° 1.23 nm	284° 2.29 nm	180° 0.68 nm	327° 1.08 nm		247° 2.56 nm	194° 1.33 nm	355° 0.89 nm	017° 0.63 nm	123° 1.18 nm	251° 1.32 nm	276° 3.34 nm	245° 3.58 nm		270° 4.28 nm	
M	071° 3.62 nm	039° 1.93 nm	005° 1.53 nm	082° 2.38 nm		067° 2.56 nm		098° 2.06 nm	051° 2.95 nm	058° 3.00 nm	084° 3.37 nm	064° 1.24 nm					
P	044° 2.01 nm	335° 1.99 nm	314° 2.64 nm	027° 0.70 nm	353° 2.22 nm	014° 1.33 nm	278° 2.06 nm		006° 2.19 nm	015° 1.97 nm	063° 1.47 nm	313° 1.26 nm					
Q	122° 1.36 nm			177° 1.56 nm	273° 0.50 nm	175° 0.89 nm	231° 2.95 nm	186° 2.19 nm		137° 0.38 nm	145° 1.85 nm	221° 1.76 nm					
R	117° 0.99 nm	266° 1.34 nm	268° 2.41 nm	188° 1.29 nm	292° 0.82 nm	197° 0.63 nm	238° 3.00 nm	195° 1.97 nm	317° 0.38 nm		147° 1.48 nm	234° 1.77 nm					
T	006° 0.79 nm	298° 2.42 nm	290° 3.42 nm	268° 0.99 nm	314° 2.20 nm	303° 1.18 nm	264° 3.37 nm	243° 1.47 nm	325° 1.85 nm	327° 1.48 nm		275° 2.24 nm					
W	076° 2.39 nm	006° 0.95 nm	315° 1.38 nm	101° 1.27 nm		071° 1.32 nm	244° 1.24 nm	133° 1.26 nm	041° 1.76 nm	054° 1.77 nm	095° 2.24 nm						
1X	093° 4.40 nm										103° 4.43 nm						
2X						065° 3.58 nm		086° 2.94 nm		059° 4.02 nm							
3X			004° 2.38 nm			053° 3.03 nm											347° 3.14 nm
4X				098° 4.33 nm													
5X								132° 3.77 nm									

2010 LTYC Regatta Courses Division I

Course #1	West wind	Course #2	Southwest wind
START	I Irish	START	I Irish
	1X Inflatable to port		2X Inflatable to port
	T Tannery to starboard		P Petoskey to port
	W West to starboard		A Airport to port
	A Airport to port		2X Inflatable to starboard
	1X Inflatable to port		I Irish to starboard
	A Airport to port		T Tannery to starboard
FINISH	H Harbor		W West to starboard
			R Roaring Brook to port
		FINISH	H Harbor
Course #3	South wind	Course #4	East wind
START	G Graham	START	W West
	P Petoskey to starboard		T Tannery to port
	B Bay to port		F Forest Beach to starboard
	3X Inflatable to starboard		I Irish to starboard
	F Forest Beach to starboard		4X Inflatable to port
	W West to port		G Graham to port
	R Roaring Brook to starboard		W West to starboard
	P Petoskey to starboard		A Airport to port
	B Bay to port	FINISH	H Harbor
	3X Inflatable to port		
	I Irish to port		
FINISH	H Harbor		
Course #5	Northwest to North wind	Course #6	Northeast wind
START	G Graham	START	G Graham
	B Bay to port		A Airport to port
	3X Inflatable to starboard		I Irish to port
	5X Inflatable to starboard		2X Inflatable to starboard
	P Petoskey to port		R Roaring Brook to starboard
	B Bay to starboard		P Petoskey to port
	T Tannery to port		A Airport to port
	R Roaring Brook to port		2X Inflatable to starboard
	W West to port	FINISH	H Harbor
	G Graham to port		
FINISH	H Harbor		
Course #7	West-Northwest wind		
START	G Graham		
	5X Inflatable to port		
	P Petoskey to port		
	5X Inflatable to port		
	G Graham to port		
	F Forest Beach to port		
	T Tannery to port		
FINISH	H Harbor		

2010 LTYC Regatta Courses Division I

Course #1 - West

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
I		
IX	276	3.3
T	103	4.4
W	275	2.2
A	76	2.4
IX	273	4.4
A	93	4.4
H	295	1.8

Total 22.9

Course #2 - Southwest

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
I		
2X	246	3.6
P	86	2.9
A	44	2.0
2X	249	4.6
I	65	3.6
T	123	1.2
W	275	2.2
R	54	1.8
H	292	0.8

Total 22.7

Course #7 - West Northwest

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
G		
5X	302	3.7
P	132	3.8
5X	312	3.8
G	121	3.7
F	299	2.5
T	110	3.4
H	315	2.2

Total 23.1

Course #3 - South

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
G		
P	209	0.7
B	336	2.8
3X	209	2.7
F	5	2.4
W	135	1.4
R	54	1.8
P	195	2.0
B	336	2.0
3X	209	2.7
I	53	3.0
H	328	1.1

Total 22.6

Course #4 - East

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
W		
T	95	2.2
F	290	3.4
I	104	2.3
4X	270	4.3
G	99	4.3
W	281	1.3
A	76	2.4
H	295	1.8

Total 22.0

Course #5 - Northwest to North Wind

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
G		
B	316	1.7
3X	209	2.7
5X	347	3.1
P	132	3.8
B	336	2.0
T	118	2.4
R	327	1.5
W	234	1.8
G	101	1.3
H	340	1.7

Total 22.0

Course #6 - Northeast

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
G		
A	52	1.4
I	262	1.1
2X	246	3.6
R	59	4.0
P	195	2.0
A	44	2.0
2X	249	4.6
H	48	3.6

Total 22.3

2010 LTYC Regatta Courses Division II

Course #1	West wind	Course #2	Southwest wind
START	I Irish	START	I Irish
	F Forest Beach to port		M Mid Bay to port
	T Tannery to starboard		P Petoskey to port
	W West to starboard		A Airport to port
	A Airport to port		M Mid Bay to starboard
	F Forest Beach to port		I Irish to starboard
	A Airport to port		T Tannery to starboard
FINISH	H Harbor		W West to starboard
			R Roaring Brook to port
		FINISH	H Harbor
Course #3	South wind	Course #4	East wind
START	G Graham	START	W West
	P Petoskey to starboard		T Tannery to port
	B Bay to port		F Forest Beach to starboard
	M Mid Bay to starboard		I Irish to starboard
	F Forest Beach to starboard		M Mid Bay to port
	W West to port		G Graham to port
	R Roaring Brook to starboard		W West to starboard
	P Petoskey to starboard		A Airport to port
	B Bay to port	FINISH	H Harbor
	M Mid Bay to port		
	I Irish to port		
FINISH	H Harbor		
Course #5	Northwest to North wind	Course #6	Northeast wind
START	G Graham	START	G Graham
	B Bay to port		A Airport to port
	M Mid Bay to starboard		I Irish to port
	F Forest Beach to starboard		M Mid Bay to starboard
	P Petoskey to port		R Roaring Brook to starboard
	B Bay to starboard		P Petoskey to port
	T Tannery to port		A Airport to port
	R Roaring Brook to port		M Mid Bay to starboard
	W West to port	FINISH	H Harbor
	G Graham to port		
FINISH	H Harbor		
Course #7	West-Northwest wind		
START	G Graham		
	F Forest Beach to port		
	P Petoskey to port		
	F Forest Beach to port		
	G Graham to port		
	F Forest Beach to port		
	T Tannery to port		
FINISH	H Harbor		

2010 LTYC Regatta Courses Division II

Course #1 - West

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
I		
F	282	2.3
T	109	3.4
W	275	2.2
A	74	2.4
F	275	3.3
A	95	3.3
H	295	1.8

Total 18.7

Course #2 - Southwest

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
I		
M	246	2.6
P	97	2.1
A	43	2.0
M	250	3.6
I	66	2.6
T	123	1.2
W	275	2.2
R	54	1.8
H	292	0.8

Total 18.9

Course #7 - West Northwest

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
F	297	2.5
P	133	2.6
F	313	2.6
G	178	2.5
F	299	2.5
T	110	3.4
H	315	2.2

Total 18.3

Course #3 - South

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
P	209	0.7
B	334	2.0
M	218	1.9
F	4	1.5
W	135	1.4
R	54	1.8
P	195	2.0
B	334	2.0
M	218	1.9
I	66	2.6
H	328	1.1

Total 18.9

Course #4 - East

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
W		
T	94	2.2
F	290	3.4
I	104	2.3
M	246	2.6
G	81	2.4
W	281	1.3
A	76	2.4
H	295	1.8

Total 18.4

Course #5 - Northwest to North Wind

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
B	315	1.6
M	218	1.9
F	4	1.5
P	133	2.6
B	336	2.0
T	118	2.4
R	327	1.5
W	234	1.8
G	101	1.3
H	340	1.7

Total 18.3

Course #6 - Northeast

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
A	52	1.4
I	261	1.1
M	246	2.6
R	57	3.9
P	195	2.0
A	44	2.0
M	250	3.6
H		

Total 16.6

2010 LTYC Regatta Courses

Division III

Attachment C

Course #1 West wind
START I Irish
 F Forest Beach to port
 M Mid Bay to port
 I Irish to starboard
 G Graham to starboard
 W West to starboard
 A Airport to port
FINISH H Harbor

Course #2 Southwest wind
START I Irish
 W West to port
 T Tannery to port
 A Airport to port
 W West to starboard
 B Bay to starboard
 G Graham to port
 R Roaring Brook to port
FINISH H

Course #3 South wind
START G Graham
 P Petoskey to starboard
 W West to starboard
 R Roaring Brook to starboard
 G Graham to starboard
 W West to starboard
 A Airport to port
FINISH H

Course #4 East wind
START W West
 T Tannery to port
 A Airport to port
 R Roaring Brook to port
 G Graham to starboard
 B Bay to starboard
 I Irish to port
 A Airport to port
FINISH H Harbor

Course #5 Northwest to North wind
START G Graham
 B Bay to port
 M Mid Bay to port
 I Irish to starboard
 T Tannery to starboard
 B Bay to port
 W West to port
 G Graham to port
FINISH H Harbor

Course #6 Northeast wind
START G Graham
 A Airport to port
 R Roaring Brook to port
 W West to port
 G Graham to starboard
 P Petoskey to port
 T Tannery to port
 B Bay to starboard
 R Roaring Brook to port
FINISH H

Course #7 West-Northwest wind
START G Graham
 F Forest Beach to port
 M Mid Bay to port
 P Petoskey to port
 W West to starboard
 I Irish to starboard
 T Tannery to port
FINISH H Harbor

2010 LTYC Regatta Courses Division III

Attachment C

Course #1 - West

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
I		
F	282	2.30
M	185	1.53
I	67	2.56
G	180	0.68
W	281	1.27
A	76	2.39
H	295	1.80
Total		12.53

Course #2 - Southwest

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
I		
W	251	1.3
T	95	2.2
A	6	0.8
W	256	2.4
B	6	1.0
G	136	1.7
R	8	1.3
H	292	0.8
Total		11.45

Course #7 - West Northwest

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
F	297	2.50
M	185	1.53
P	98	2.06
W	313	1.26
I	71	1.32
T	123	1.18
H	315	2.20
Total		12.05

Course #3 - South

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
P	207	0.70
W	313	1.26
R	54	1.77
T	147	1.48
G	268	0.99
A	52	1.35
H	295	1.81
Total		9.36

Course #4 - East

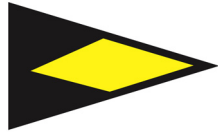
<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
W		
T	94	2.20
A	6	0.79
R	297	0.99
W	234	1.77
B	6	0.95
I	114	1.25
A	82	1.08
H	295	1.81
Total		10.84

Course #5 - Northwest to North Wind

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
B	315	1.60
W	186	0.95
I	71	1.32
P	194	1.33
A	41	2.01
I	262	1.08
H	327	1.08
Total		9.37

Course #6 - Northeast

<i>Mark</i>	<i>Heading</i>	<i>Distance</i>
G		
A	52	1.40
R	297	0.99
W	234	1.77
G	101	1.27
P	207	0.70
T	63	1.47
B	298	2.42
R	86	1.3
H	292	0.82
Total		12.18



LITTLE TRAVERSE
YACHT CLUB



MELGES
Performance Sailboats

2010 MELGES 32 U.S. National Championship

Thursday through Sunday, July 29 - August 1, 2010, Harbor Springs, Michigan, USA

Hosted by Little Traverse Yacht Club
Supported by Melges Performance Sailboats

SAILING INSTRUCTIONS

1. RULES

- 1.1 This Regatta will be governed by the current *Racing Rules of Sailing (RRS)*, the Notice and Conditions of Race, the rules of the Melges 32 Class, these Sailing Instructions, and amendments thereto.
- 1.2 These Sailing Instructions, including amendments, will take precedence in the case of a conflict with the Notice and Conditions of Race.

2. RADIO COMMUNICATION

- 2.1 All competing boats shall carry a hand held VHF radio capable of transmitting and receiving VHF channels (US) for safety purposes and Race Committee communication only.
- 2.2 The Race Committee's VHF channel will be provided at the Skipper's Meeting and posted on the Official Notice Board.
- 2.3 Race Committee broadcasts concerning its intentions, the course to be sailed, starting times, course changes, OCS hails, etc. are a courtesy only. Failure of the Race Committee to make a broadcast, the timing of a broadcast, or the failure of a boat to hear a broadcast shall not be grounds for redress under rule 62.1(a).

- 2.4 No competitor shall make or receive radio, cell phone or computer communications commencing from the first Warning Signal of the day until the conclusion of the day's racing, except in the case of an emergency. The only other exception is that a crew member may place or receive a cell phone call of a personal nature that does not involve the exchange of information that could affect the boat's outcome in the race. The Skipper/Owner shall be responsible for all communications activity aboard his/her boat.

3. NOTICES TO COMPETITORS

- 3.1 Notices to competitors will be posted on the Official Notice Board.
- 3.2 The Race Committee will attempt to announce its intentions for the day on the Race Committee VHF radio channel at 0830 and again at 0900 each morning of the event.

4. CHANGES TO SAILING INSTRUCTIONS

- 4.1 Any changes will be posted by 0830 on the day they will take effect, except that any changes in the Schedule of Races will be posted by the latest protest time limit on the day before they take effect (Sailing Instruction 16.2).
- 4.2 Oral changes to the Sailing Instructions may be given on the water. The Race Committee Signal Boat shall display Code Flag "L" and announce the change on the Race Committee VHF Channel in accordance with rule 90.2(c). Competitors may also approach the Committee Boat and verbally receive the change while Code Flag "L" is displayed.

5. SIGNALS MADE ASHORE

- 5.1 Signals made ashore will be displayed from the flagpole at the Little Traverse Yacht Club.
- 5.2 Code Flag "L", when displayed ashore signifies that a change in Sailing Instructions or other notice to competitors has been posted on the Official Bulletin Board.
- 5.3 Code Flag "AP" when displayed ashore means that the start has been postponed. The Warning Signal will be made not less than 60 minutes after the lowering of this signal. This modifies Race Signal Flag AP.
- 5.4 Code Flag "N" over "A" and 3 sounds when signaled ashore means that all racing is abandoned for today.

6. SCHEDULE OF RACES

- 6.1 Racing is scheduled each day from Thursday, July 29 through Sunday, August 1.
- Nine races are scheduled of which three must be completed to constitute a series.
- 6.2 The scheduled time for the Warning Signal for the first race each day is 1030 hours.
- 6.3 The maximum number of races that may be sailed on any given day is three. The Race Committee Finishing Boat will signal its intent to run another race that day by displaying Code Flag "R" at the finish of a race. **Code Flag "R" will be lowered with one sound three minutes before the next Warning Signal is made.** The Race Committee will also attempt to broadcast its intentions over the Race Committee VHF channel.
- 6.4 On the final day of the regatta, no Warning Signal will be made after 1400 hours.

7. RACING AREA

7.1 All racing will be on Little Traverse Bay.

8. THE COURSES

8.1 Courses will be as described below and in "ADDENDUM #1- COURSE ILLUSTRATIONS".

8.2 Course Designations:

COURSE # 4 - Start - W - OS - Leeward Gate - W - OS - Finish

COURSE # 5 - Start - W - OS - Leeward Gate - W - OS - Leeward Gate - Finish

8.3 The Windward Mark (W) and the accompanying offset mark (OS) shall be left to port.

8.4 Courses will be posted on a Race Committee Signal Boat course board prior to the Warning Signal of each race. The number of the course to be sailed, the approximate magnetic compass bearing, and distance from the Starting Line to the first mark will be displayed (This changes *RRS* 27.1).

9. MARKS

9.1 The Windward Mark (W) and the Leeward Gate will be Yellow Cylinder marks.

9.2 The windward offset mark (OS) will be a round ball. The offset mark will be laid to port of the Windward Mark, approximately 150 - 200 feet away.

9.3 A Leeward Gate (two Yellow Cylinder marks) will be used. The gate will be located to windward of the Starting Line. Boats shall sail between the gate marks from the direction of the previous mark and round either gate mark. If one of the leeward gate marks is missing, boats shall round the one existing leeward mark to port.

10. THE START

10.1 Races will be started in accordance with *RRS* 26.

10.2 The class flag will be the Melges 32 Insignia on a white flag.

10.3 The Starting Line will be between a staff displaying an orange flag on the Race Committee Signal Boat and a staff displaying an orange flag on a port end Line Boat.

10.4 The Race Committee Boat(s) may deploy a "keep away" buoy which shall rank as a starting mark. Any boat touching this buoy will have broken rule 31 and shall act in accordance with *RRS* 44.1. Boats shall not pass between this buoy and the Signal Boat when approaching the line to start. The area between the limit mark and the Committee Boat does not rank as an obstruction for the purposes of *RRS* 18, 19 and 20.

10.5 A boat starting later than ten (10) minutes after her starting signal will be scored Did Not Start (DNS). (This changes *RRS* A4.1)

11. RECALLS

- 11.1 In the event of an individual recall, the sail numbers, bow numbers or identification of any boat or boats that are identified as OCS may be announced on the Race Committee VHF channel. Failure of a boat to see or hear her recall notification, and the timing and order of such hails, or the length of time it takes to make a notification on the VHF radio will not be grounds for redress. (This changes *RRS* 29.1 and 62.1 (a).)

12. CHANGING THE NEXT LEG OF THE COURSE

- 12.1 If the change is for a windward leg, the new mark will be an orange inflatable mark unless the first change is for the final leg (To Finish Line - Course 5).
If the change is for a leeward leg, the gate marks will be moved into the new position, unless the change is for the final leg of Course 4, which in that case, the finish line will be in the new position.
- 12.2 The race committee will attempt to broadcast any course changes over the appropriate VHF channel.

13. THE FINISH

- 13.1 The Finish Line for Leeward finishes (Course 4) will be on the opposite side of the Signal Boat from the Starting Line. The Finish Line will be between a staff displaying an orange flag on a Race Committee Boat and a nearby inflatable mark or between staffs displaying orange flags on Race Committee Boats.
- 13.2 The Finish Line for Windward finishes (Course 5) will be between a staff displaying an orange flag on a Race Committee Boat and a nearby inflatable mark to port of the Committee Boat or between staffs displaying orange flags on Race Committee Boats.

14. PENALTIES FOR BREAKING RULES OF PART 2

- 14.1 In accordance with class rule H.2.1, Rules 44.1 and 44.2 are changed so that only one turn, including one tack and one gybe, is required. *RRS* 44.3, Scoring Penalty, shall not apply.
- 14.2 If a breach of Class Rules is found, penalties shall be at the discretion of the jury, in consultation with a non-competing Class Representative.

15. TIME LIMITS

- 15.1 Any race in which no boat rounds the first windward mark within 45 minutes, or finishes within two (2.0) hours of the start shall be abandoned.
- 15.2 Any boats not finishing within 30 minutes of the finish time of the first boat will be scored TLE (Time Limit Expired). The TLE score for such boats shall be one point more than the number of boats that finished within 30 minutes of the first boat. (This changes *RRS* 35, A4.1 & A4.2.)

16. PROTESTS AND REQUESTS FOR REDRESS

- 16.1 A boat intending to protest is requested to notify the Race Committee Finish Boat of its intention and the identity of the protested boat(s) as soon as possible after finishing.
- 16.2 Protest forms will be available at the Jury desk at Little Traverse Yacht Club. Protests and requests for redress shall be delivered to the Jury desk within the protest time limit.

The time limit is one (1) hour after the Race Committee Finish Boat docks or when a race is abandoned ashore.

Protest hearings will be conducted at Little Traverse Yacht Club as soon as possible and in the approximate order in which they were filed. The protest time limit will be posted on the Jury notice board.

- 16.3 The primary person representing each boat in a protest hearing shall be its helmsman.
- 16.4 It is each boat's sole responsibility to check the Jury notice board at the end of the protest filing time to see if she is cited in a protest. Should any party fail to appear when called for a hearing, the Jury may proceed in accordance with *RRS* 63.3(b). Representatives of boats who are parties to hearings and their witnesses shall remain on call in the vicinity of the Jury desk until excused by the Jury.

17. SCORING

- 17.1 The Low Point Scoring System, as provided in *RRS* Appendix "A" shall apply, except as changed in this section of these Sailing Instructions as follows.
- 17.2 When fewer than six races have been completed, a boat's series score will be the total of her race scores. When six or more races have been completed, a boat's series score will be the total of her race scores excluding her worst score.
- 17.3 Three races are required to be completed to constitute a series.

18. SAFETY REQUIREMENTS

- 18.1 All yachts must carry the minimum equipment as required by the U.S. Coast Guard and the Melges 32 class rules.
- 18.2 A boat that retires from a race or does not intend to start a scheduled race shall promptly report this to the Race Committee on the Race Committee VHF Channel and receive acknowledgement. If this is not possible, she shall promptly report her actions to the Jury desk at Little Traverse Yacht Club.

19. SUPPORT BOATS

- 19.1 Owners are responsible for the compliance of their support boats with these Sailing Instructions. The Race Committee only may protest a boat whose support boat violates these Sailing Instructions. This modifies *RRS* 60.1(a). The jury may assess penalties other than disqualification for violations of Section 19 of the Sailing Instructions.
- 19.2 Support boats are required by the Race Committee to monitor the Race Committee VHF Channel and provide assistance to any competitor in danger if notified to do so by the Race Committee.

19.3 Support boats shall comply with class rule I.5 “Outside Assistance.” This includes the following:
Individual coach or support boats shall not approach closer than 300 feet to any boat that is racing, except at mark roundings or the finish line where they shall not approach closer than 200 feet upwind of the windward mark or downwind of the leeward mark, and extensions of the finish line. At the warning signal for the start, individual coach or support boats shall leave the area being used by the racing boats and may station themselves outside of either the pin or committee signal boat, but no closer to either end than 100 feet.

19.4 Video and photos taken from any support and/or coach boat shall not be used as evidence at protest hearings. This alters RRS 63.6.

20. HAUL OUT RESTRICTION

20.1 All boats shall be launched prior to 2000 hrs, July 28, 2010.

20.2 All boats are to remain in the water for the duration of the regatta.

20.3 No boats shall be hauled out during a regatta except according to the written terms and with permission of the Principal Race Officer or the Chief Judge for the event.

21. REPLACEMENT OF CREW

21.1 Crew substitutions before and during the event are permitted. A revised crew list must be submitted to Joy Dunigan, IM32CA Administrator and approval must be received prior to the race to which it applies. The substitute must comply with all class rules.

21.2 Crew substitutions may weigh-in during the designated Substitute Crew Weigh-In period, from 0830 – 0900 hours, on the first day that they will compete.

22. BOW NUMBERS

22.1 Bow numbers will be provided to all registrants and shall be displayed on both sides of the bow. The leading edge of each bow number shall be no farther back than 10 inches aft of the bow. Boats failing to properly display bow numbers may be subject to protest by the Race Committee only.

23. DISCLAIMER OF LIABILITY

23.1 Competitors in this event are participating entirely at their own risk. See RRS 4, Decision to Race. By participating in this event, each competitor agrees to release the race organizers (organizing authority, host yacht club, race committee, protest committee, sponsors, and any others acting in an official capacity for this event) from any and all liability associated with such competitor’s participation in this event to the fullest extent permitted by law.

Regatta Chairman: Rich Lehmann
Principal Race Officer: Bruce Golison
IM32CA Administrator: Joy Dunigan

ADDENDUM #1 - COURSE ILLUSTRATIONS

EXAMPLE: COURSE BOARD DISPLAYED ON R/C SIGNAL BOAT

Course: 4
Distance To W: 1.8
Heading To W: 120

COURSE # 4 (Leeward Finish)

Start - W - OS - Leeward Gate - W - OS - Finish

● ●
(OS) (W)

● ●
(Leeward Gate)

Start ⌘ ----- ⌘ R/C ⌘ ----- ● Finish

COURSE # 5 (Windward Finish)

Start - W - OS - Leeward Gate - W - OS -
Leeward Gate - Finish

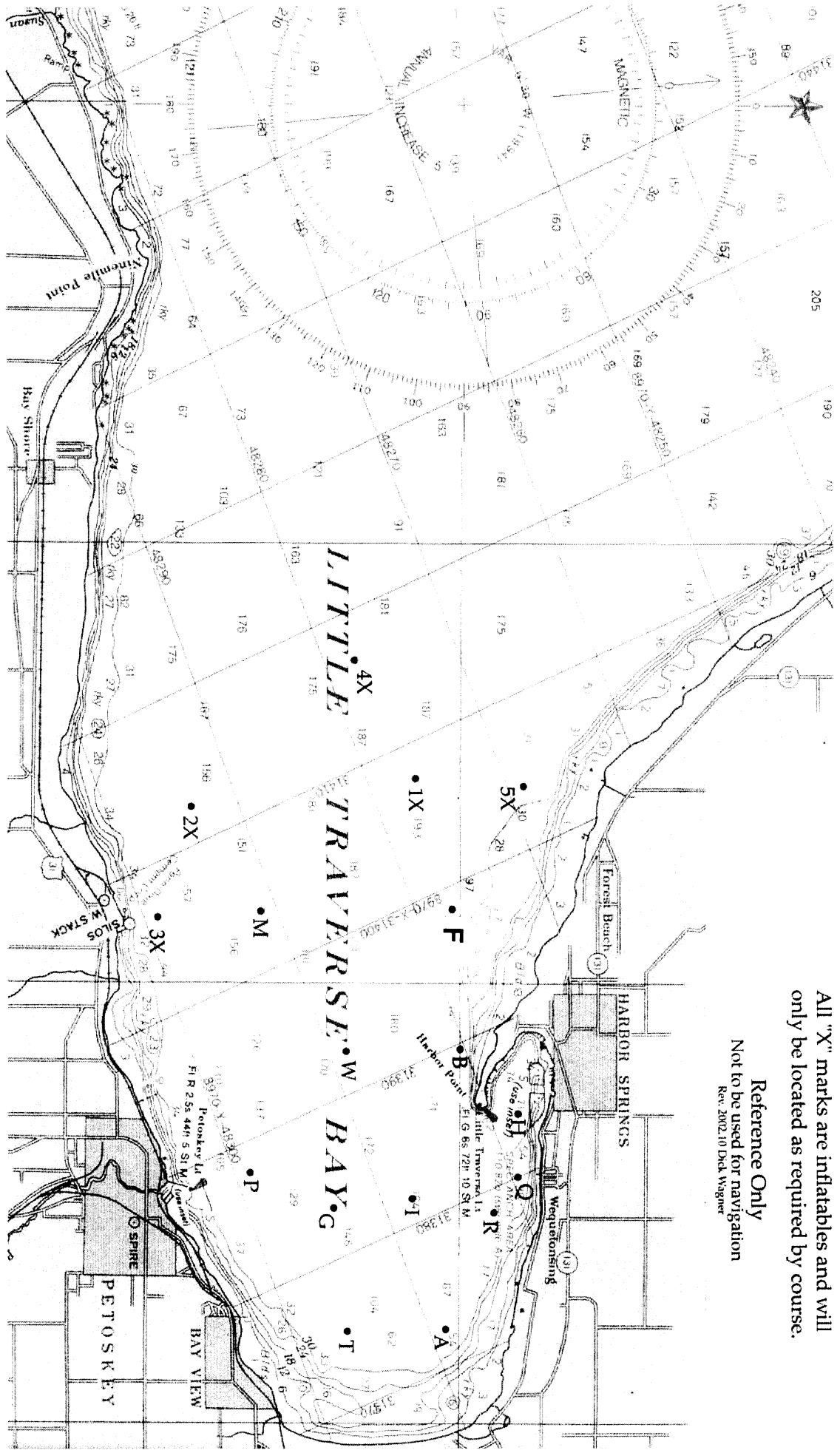
(Finish)

● ●
(OS) (W)

● ●
(Leeward Gate)

Start ⌘ ----- ⌘ R/C

RACE BUOY LOCATIONS LITTLE TRAVERSE YACHT CLUB ANNUAL REGATTA



- A - Airport
- B - Bay
- F - Forest Beach
- G - Graham
- H - Harbor
- I - Irish
- M - Mid Bay
- P - Petoskey
- Q - Wequetonising
- R - Roaring Brook
- T - Tannery
- W - West

All "X" marks are inflatables and will only be located as required by course.

Reference Only
Not to be used for navigation
Rev. 2002.10 Dick Wagner

Little Traverse Yacht Club

Regatta Buoy Locations

A - N 45° 24.890'	W 084° 56.110'	M - N 45° 23.380'	W 085° 00.780'	1X - N 45° 24.620'	W 085° 02.353'
B - N 45° 25.000'	W 084° 59.300'	P - N 45° 23.300'	W 084° 57.850'	2X - N 45° 22.789'	W 085° 01.966'
F - N 45° 24.910'	W 085° 00.830'	Q - N 45° 25.487'	W 084° 57.845'	3X - N 45° 22.540'	W 085° 00.730'
G - N 45° 23.950'	W 084° 57.490'	R - N 45° 25.240'	W 084° 57.430'	4X - N 45° 24.130'	W 085° 03.650'
H - N 45° 25.460'	W 084° 58.560'	T - N 45° 24.100'	W 084° 56.100'	5X - N 45° 25.500'	W 085° 02.212'
I - N 45° 24.620'	W 084° 57.600'	W - N 45° 24.050'	W 084° 59.290'		

Magnetic Headings and Distances

This table is only a guide. Prudent sailors will verify these figures.

From	To >>>	A	B	F	G	H	I	M	P	Q	R	T	W	1X	2X	3X	4X	5X
A																		
B	099° 2.25 nm	279° 2.25 nm	277° 3.32 nm	232° 1.35 nm	295° 1.81 nm	282° 1.08 nm	252° 3.62 nm	224° 2.01 nm	302° 1.36 nm	297° 0.99 nm	186° 0.79 nm	256° 2.39 nm	273° 4.40 nm					
F	096° 3.32 nm	091° 1.08 nm	271° 1.08 nm	136° 1.65 nm		114° 1.25 nm	219° 1.93 nm	155° 1.99 nm		086° 1.34 nm	118° 2.42 nm	166° 0.95 nm				208° 2.66 nm		
G	052° 1.35 nm	316° 1.65 nm	289° 2.54 nm	118° 2.54 nm		102° 2.29 nm	185° 1.53 nm	134° 2.64 nm		088° 2.41 nm	110° 3.42 nm	135° 1.38 nm						
H	115° 1.81 nm			160° 1.69 nm		340° 1.69 nm	000° 0.68 nm	262° 2.38 nm	207° 0.70 nm	357° 1.56 nm	008° 1.29 nm	087° 0.99 nm	281° 1.27 nm					
I	082° 1.08 nm	294° 1.23 nm	284° 2.29 nm	180° 0.68 nm			147° 1.08 nm	173° 2.22 nm	093° 0.50 nm	112° 0.82 nm	134° 2.20 nm						270° 4.28 nm	
M	071° 3.62 nm	039° 1.93 nm	005° 1.53 nm	082° 2.38 nm			247° 2.56 nm	194° 1.33 nm	355° 0.89 nm	017° 0.63 nm	123° 1.18 nm	251° 1.32 nm	276° 3.34 nm					
P	044° 2.01 nm	335° 1.99 nm	314° 2.64 nm	027° 0.70 nm			067° 2.56 nm	098° 2.06 nm	051° 2.95 nm	058° 3.00 nm	084° 3.37 nm	064° 1.24 nm						
Q	122° 1.36 nm			177° 1.56 nm			014° 1.33 nm	278° 2.06 nm	006° 2.19 nm	015° 1.97 nm	083° 1.47 nm	313° 1.26 nm						
R	117° 0.99 nm	266° 1.34 nm	268° 2.41 nm	188° 1.29 nm			175° 0.89 nm	231° 2.95 nm	186° 2.19 nm	137° 0.38 nm	145° 1.85 nm	221° 1.76 nm						
T	006° 0.79 nm	298° 2.42 nm	290° 3.42 nm	288° 0.99 nm			197° 0.63 nm	238° 3.00 nm	195° 1.97 nm	317° 0.38 nm	147° 1.48 nm	234° 1.77 nm						
W	076° 2.39 nm	006° 0.95 nm	315° 1.38 nm	101° 1.27 nm			303° 1.18 nm	264° 3.37 nm	243° 1.47 nm	325° 1.85 nm	327° 1.48 nm	095° 2.24 nm						
1X	098° 4.40 nm						071° 1.32 nm	244° 1.24 nm	133° 1.26 nm	041° 1.76 nm	054° 1.77 nm	103° 4.43 nm						
2X							065° 3.58 nm		086° 2.94 nm		059° 4.02 nm							
3X			004° 2.38 nm				053° 3.03 nm											347° 3.14 nm
4X				098° 4.33 nm														
5X																		