

Little Traverse Yacht Club

51st Annual Regatta

And One-Design Series

July 29, 30, & 31, 2011
Harbor Springs, Michigan

Organizing Authority:
Little Traverse Yacht Club
Harbor Springs, Michigan

SAILING INSTRUCTIONS_{v4}

1 RULES

- 1.1 The 51st 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 2011 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 51st 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 and broadcast over designated VHF channels.

- 5.2 At 0900 the Race Committee will signal, with one sound, a Harbor Start for all Classes. Postponement or abandonment for some classes may be signaled instead of the Harbor Start. During any postponement ashore, the Race Committee will broadcast status messages on the hour and half hour. 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 29, 2011
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 30, 2011
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, July 31, 2011
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, PENNANTS, AND BOW STICKERS

- 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.
- 7.4 All competitors are required to display Credit Suisse bow stickers supplied by LTYC.

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," "I" 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"
- 8.5 **CHECK –IN.** Prior to the first scheduled Warning Signal each day, boats are requested to sail or motor by the stern of the Race Committee Signal Boat and check-in by announcing their sail number.

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 a blue 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 a blue flag on the windward race committee boat and the windward mark furthest from the Start. If the leeward mark is changed, a leeward finish will be between the staff displaying a blue 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 a blue 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 Division, 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 (One Design) 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 Chairperson:

Kathryn Breighner – kb@healthychild.net

Principal Race Officers:

Dick Neville: mneville@innovprop.com

Jay Kehoe: jkehoe@annapolisyc.org

Little Traverse Yacht Club

2011 Annual Regatta and One-Design Series

CLASS FLAG COLORS

<u>CLASS</u>	<u>COLOR</u>
A IRC / GL70	Grey
B PHRF	Yellow
C IRC	Purple
D J-111	White
E PHRF	Green
F J-35	Light Blue
G J-105	Pink
H PHRF	Bright Green
I PHRF Jib & Main	No flag required

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 - Weguetonsing
- R - Roaring Brook
- T - Tannery
- W - West
- 1X - 193
- 2X - 156
- 3X - 157
- 4X - 175
- 5X - 30
- 6X - 31

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		273° 2.25 nm	277° 3.32 nm	232° 1.35 nm	235° 1.81 nm	262° 1.08 nm	252° 3.62 nm	224° 2.01 nm	302° 1.36 nm	237° 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										

2011 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		

2011 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

2011 LTYC Regatta Courses Division II

Course #8	West wind	Course #9	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 #10	South wind	Course #11	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 #12	Northwest to North wind	Course #13	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 #14	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		

2011 LTYC Regatta Courses Division II

Course #8 - West

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
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 #9 - Southwest

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
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 #14 - West Northwest

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
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 #10 - South

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
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 #11 - East

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
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 #12 - Northwest to North Wind

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
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 #13 - Northeast

<u>Mark</u>	<u>Heading</u>	<u>Distance</u>
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

2011 LTYC Regatta Courses Division III

Attachment C

Course #15 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 #16 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 #17 South wind
START G Graham
 P Petoskey to starboard
 W West to starboard
 R Roaring Brook to starboard
 T Tannery to starboard
 G Graham to starboard
 W West to starboard
 A Airport to port
FINISH H

Course #18 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 #19 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 #20 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 #21 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

2011 LTYC Regatta Courses Division III

Attachment C

Course #15 - 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 #16 - 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 #21 - 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 #17 - 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 #18 - 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 #19 - 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 #20 - 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