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| **Waikato Thames Yachting Association (WTYA)****Burgess Trophy Interschool Regatta****4 March 2022** |
| **SAILING INSTRUCTIONS** |
| **Venue: Hamilton Yacht Club (HYC), Lake Rotoroa, Hamilton** |
| **1** | **RULES** |
| 1.1 | In each series racing will be governed by the rules as defined in *The Racing Rules of Sailing* 2021 -2024 and Yachting New Zealand (YNZ) Safety Regulations Part 1 shall apply. |
| 1.2 | Under rule 86 racing rules 26, 28, 32, 33, 35, 41, 44.1, 62 will be changed as follows:**RR26 Starting Races.** The period between the preparatory signal and the starting signal may be less than four minutes, and the starting signal of one fleet may also be the combined warning and preparatory signal for the next fleet scheduled to start. This rule change implies that the second fleet to start, and each subsequent fleet after this, actually begins ‘racing’ at the starting signal of fleet starting immediately before them. See starting instructions (section 10) for further detail. **RR28 Sailing the course.** If flag ‘I’ (yellow with black dot in centre) is displayed at the finish – from the tower for a tower finish, or from the committee boat for a boat finish - then after finishing a boat must sail completely across the finish line and then must not ‘recross’ this line while other boats are still racing. Boats that break this rule will be disqualified for the race without a hearing.**RRS32 Shortening or abandoning after the start.** This rule is changed to allow an additional way to shorten the course and allows the race committee to shorten the course for individual classes. If a patrol boat displaying code flag 'Q' (yellow flag) is stationed at a mark and making periodic sound signals, then all boats will round that mark on the required side and proceed directly to the finish. If a patrol boat displaying code flag 'Q' and one or more boat class flags is stationed at a mark and making periodic sound signals, then all boats of the classes indicated will round that mark on the required side and proceed directly to the finish. If a patrol boat displays a boat class flag or flags when signalling a shortened course with flag 'S' (blue square inside white square flag) only the class(es) displayed will finish at that mark.**RRS33 Changing the next leg of the course.** Small changes in a mark position will not be signalled. Large changes may be signalled with a green or a red flag indicating a change in position to starboard or to port respectively.**RRS35 Time limit and scores.** Boats failing to finish within 20 minutes of the first boat of their class to sail the course and finish will be scored Did Not Finish (DNF) without a hearing.**RRS41 Outside help.** Where a boats mast has become stuck in lake bottom mud outside assistance may be given, under the direction of the Race Officer, to bring the boats mast to the horizontal.**RRS44.1 Taking a penalty.** When a protest is lodged against a boat for breaking a rule of Part 2 *(When Boats Meet)* or rule 31 *(Touching A Mark)* an arbitration hearing will be offered prior to any formal hearing**.** Yachting New Zealand 4.5.5 will apply. The scoring abbreviation for a penalty accepted at an arbitration hearing is ARB. The penalty will be to either reduce the boat's scored points in the relevant race by 5, or to change the scored points to 2, whichever value is greater applies.**RRS62 Redress.** Part 62.1a ischanged such that a race duration falling outside the target time will not be grounds for redress. |
| **2** | **NOTICES TO COMPETITORS**Notices to competitors will be posted on the official notice board(s) located in the HYC clubrooms.  |
| **3** | **CHANGES TO SAILING INSTRUCTIONS**Any change to the sailing instructions will be posted at least 30 minutes before the warning signal for the first race affected. |
| **4** | **SIGNALS MADE ASHORE** |
| 4.1 | Signals made ashore will be displayed on the clubhouse flagstaff or balcony. |
| 4.2 | Flag AP displayed (with two sound signals) means the next scheduled race has been postponed. Flag AP lowered (with one sound signal) means the postponement has finished. The warning signal for the next scheduled race will be made not less than 10 minutes later.  |
| 4.3 | Flag AP over flag B displayed means the same as 4.2 with the additional requirement that boats shall not leave the shore while the postponement is in place. |
| 4.4 | Flag L displayed (with two long sound signals) means that notices have been placed on the official noticeboard. |
| **5** | **ELIGIBILITY AND ENTRY** |
| 5.1 | The regatta is an interschool fleet racing competition for school teams from the Waikato Thames Yachting Association region. The regatta is open to single or double-handed monohull classes up to 4.5m in length. Laser, Laser Radial, 3.7, Zephyr, Starling, P Class, and Optimist are regularly sailed on Lake Rotoroa. Foiling centreboarders, multihulls, and windsurfers are excluded. |
| 5.2 | For a boat class to form a fleet at least five boats of that class must enter. Classes with fewer boats entered will be combined in an open fleet with suitable boat-based handicaps applied and scoring based on corrected times. At the discretion of the Race Officer if either the Laser Standard or Laser Radial have less than three boats entered then these two classes may be combined in a single fleet with a boat-based handicap applied to the Radial (typically 2% less than elapsed time) and scoring based on corrected time for this fleet. |
| 5.3 | School team entries will be accepted through the WTYA secretary, John Elliott. Late entries may be accepted up to the time of the briefing at the discretion of the Race Officer. |
| 5.4 | When racing skippers have an obligation to make sure that their boats are readily identifiable by the tower staff. In general this means having a unique number and class insignia on their sail. |
| **6** | **SCHEDULE OF RACES** |
| 6.1 | Registration: 0900-1000hr and Briefing 1000hr Friday 19th February at the HYC Clubrooms |
| 6.2 | Racing Schedule: Up to five races are scheduled with up to three races back to back.  |
| 6.3 | No warning sound for races will be made after 1500hr. |
| **7** | **CLASS FLAGS**Where used Class flags will be the class insignia unless otherwise noted by the RO at the briefing: |
| **8** | **VENUE**All racing will occur within the confines of Lake Rotoroa, Hamilton. |
| **9** | **THE COURSES**Due to the tight confines and variable winds of this sailing venue non-standard course layouts will often be used. These will be explained at the race briefings. |
| **10** | **MARKS** |
| 10.1 | Starting line and finish line marks explained below for ‘Boat’ starts and ‘Tower’ starts. |
| 10.2 | The course marks will be spherical red buoys about 1m in diameter.  |
| 10.3 | Alternative or replacement marks will be spherical pink buoys about 400mm in diameter.  |
| 10.4 | Variations on these generally used marks will be explained at the briefing. |
|  **11** | **THE START** |
| 11.1 | Starts will be boat starts, tower starts. Any changes to the starting sequences listed below will be explained at the briefing. |
| 11.2 | **Boat Start:** The start line shall be between an orange staff on the committee boat and the yellow starting mark. The first fleet will be started with a standard starting signal sequence (*RRS*). Succeeding classes will start at three-minute intervals and each starting signal will be the combined warning and preparatory signal for the succeeding class. |
| **W = time of warning signal****Preparatory flag = P, I, Z, Z with I, or Black Flag** |
| **Step** | **Timing** | **Flag signal** | **Sound** |
| 1 | W | 1st Class flag raised | 1 sound |
| 2 | W + 1 min | Preparatory flag raised | 1 sound |
| 3 | W + 4 min | Preparatory flag lowered | 1 long sound |
| 4 | W + 5 min1st Class starts | 1st Class flag lowered, 2nd Class flag & Preparatory flag raised | 1 sound |
| 5 | W + 7 min | Preparatory flag lowered | 1 long sound |
| 6 | W + 82nd Class starts | 2nd Class flag lowered, 3rd Class flag & Preparatory flag raised | 1 sound |
| Step 5 & 6 are repeated at 3 minute intervals for each subsequent fleet until all fleets are started. |
| 11.3 | **Tower Start:**The start line shall be between a green mark closer to the tower and the yellow staring mark. Instead of class flags and preparatory flags the tower lights will be used as described below. The first fleet will be started with a five-minute-long signal sequence. Succeeding classes will start at three-minute intervals and each starting signal will be preparatory signal for the succeeding class. |
| **W = time of warning signal****Lights are on the lake side of the tower****No class or preparatory flags will be used. Other flags e.g. recall, postponement, may be used.** |
| **Step** | **Timing** | **Light signal** | **Sound** |
| 1 | W | 4 lights on | 1 sound |
| 2 | W + 2 min | 3 lights on | nil |
| 3 | W + 3 min | 2 lights on | nil |
| 4 | W + 4 min | 1 light on | nil |
| 5 | W + 5 min 1st Class starts | All lights off momentarily then 3 lights on | 1 sound |
| 6 | W + 6 min | 2 lights on  | nil |
| 7 | W + 7 min | 1 light on | nil |
| 8 | W + 8 min2nd Class starts | All lights off momentarily then 3 lights on | 1 sound |
| Step 6, 7 & 8 are repeated at 3 minute intervals for each subsequent fleet until all fleets are started. |
| 11.4 | Classes starting under a general recall shall restart after all the other classes have started. |
| **12** | **CHANGE OF THE NEXT LEG OF THE COURSE** To change the next leg of the course, the race committee will move the original mark (or the finishing line) to a new position (See section 1.2 for notes on changes to rule RRS33). |
| **13** | **THE FINISH**Generally the finishing line will be the between two green buoys. Any variation to this will be explained at the briefing. |
| **14** | **TIME LIMITS AND TARGET TIMES** |
| 14.1 | The target duration for all races 25– 45 minutes. Note: any failure to meet the target time will not be grounds for redress. |
| 14.2 | If no boat has passed Mark 1 within the 20 minutes the race will be aban­doned. |
| **15** | **PROTESTS AND REQUESTS FOR REDRESS** |
| 15.1 | For protests where a boat is alleged to have broken a rule of part 2, or rule RRS31 arbitration will be offered (See section 1.2 for notes on changes to rule 44.1).  |
| 15.2 | For each class, the protest time limit is 30 minutes after the last boat has finished the last race of the day or 30 minutes after the race committee signals no more racing for the day, whichever is later.  |
| 15.3 | Protest notices will be posted no later than 30 minutes after the protest time limit to inform com­petitors of hearings in which they are par­ties or named as witnesses. Hearings will be held in the HYC clubrooms unless otherwise stated on the protest notice. |
| **16** | **SCORING** |
| 16.1 | A custom high-points scoring system will apply. Boats are awarded points on the basis of their placing within their fleet. A boats total score is the sum of their individual race scores. All sailed races count towards a boats total score. The team score is the sum of the scores awarded to the top five boats in each school team, or if the team size is 5 or less than boats then the sum of the scores awarded to all the boats in that team. The team with the highest score will be awarded the Burgess Trophy. |
| 16.2 | **Custom High Point Scoring System****2+10\*(s/s+3))\*ln((s+4)/(p+4))/ln((s+4)/5)** (calculated to one decimal place)s = number of boats reaching the start areap = finishing place ln = natural logarithmDNF = 1, ARB as defined in section 1.2, and all other codes are awarded zero pointsAny ties in series scoring will be resolved using the Appendix A system. |
| 16.3 | One race must be completed to constitute a series.  |
| **17** | **SAFETY REGULATIONS** |
| 17.1 | Buoyancy vests or lifejackets, complying with the requirements of the YNZ Safety Regulations shall be worn at all times while sailing. Failure to comply with this requirement may result in disqualification without protest. |
| 17.2 | Boats retiring shall advise the committee boat or the RO as soon as possible when retiring from a race. Failure to comply with this requirement may result in disqualification from the series without protest. |
| 17.3 | Boats must sign-on, using the sheet provided, before the start of racing each day. Failure to comply with this requirement may result in disqualification without protest.  |
| 17.4 | At the discretion of the RO there may also be a requirement for boats to sign-off when a boat comes ashore at the conclusion of racing or when retiring. If a sign-off is required a notice to this effect will be posted on the club noticeboard and the requirement will be noted at the briefing. Failure to comply with a requirement to sign-off may result in disqualification without protest. |
|  **18** | **REPLACEMENT OF CREW OR EQUIPMENT**Substitution of damaged or lost equipment will not be allowed unless authorised by the RO. Requests for substitution shall be made to the RO at the first reasonable opportunity. |
|  **19** | **SUPPORT BOATS**No support boats will be allowed on the lake. |
|  **20** | **PRIZES** |
| 20.1 | Prize giving will be held as soon as possible after the last race.  |
| **21** | **DISCLAIMER OF LIABILITY**Competitors participate in the regatta entirely at their own risk. See rule 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. |
| **22** |   **INSURANCE**Each participating boat shall be insured with valid third-party liability insurance. |