

# ROYAL VAN YC ONE DESIGN KEELBOAT FLEETS' 2019 RACING SCHEDULE REQUIRED ALTERNATE LAUNCH & LIFT OUT DATES

Version: April 15/19

Prepared by Alan Drinkwater

| Month | Day   | Event                     | Reqd Alt Launch Date | Reqd Alt Lift Out Date            |
|-------|-------|---------------------------|----------------------|-----------------------------------|
| May   | 1     | Wednesday Night Racing    | none                 | Thurs May 2                       |
| May   | 4/5   | May OD Series             | Friday May 3         | none. (M242s lift out on Sunday). |
| May   | 8     | Wednesday Night Racing    | Tuesday May 7        | none                              |
| May   | 15    | Wednesday Night Racing    | none                 | Thurs May 16                      |
| May   | 22    | Wednesday Night Racing    | Tuesday May 21       | none                              |
| May   | 29    | Wednesday Night Racing    | Tuesday May 28       | Thursday May 30                   |
| June  | 5     | Wednesday Night Racing    | Tuesday June 4       | none                              |
| June  | 8     | Round Bowen Island        | none                 | Sunday June 9                     |
| June  | 12    | Wednesday Night Racing    | Tuesday June 11      | Thursday June 13                  |
| June  | 15/16 | June OD Series            | Friday June 14       | none                              |
| June  | 19    | Wednesday Night Racing    | Tuesday June 18      | none                              |
| June  | 26    | Wednesday Night Racing    | Tuesday June 25      | Thursday June 27                  |
| July  | 3     | Wednesday Night Racing    | Tuesday July 2       | none                              |
| July  | 10    | Wednesday Night Racing    | Tuesday July 9       | Thursday July 11                  |
| July  | 13/14 | Kits Invitational Regatta | Friday July 12       | none                              |
| July  | 17    | Wednesday Night Racing    | Tuesday July 16      | none                              |
| July  | 20/21 | July OD Series            | Friday July 19       | Monday July 22                    |
| July  | 24    | Wednesday Night Racing    | Tuesday July 23      | Thursday July 25                  |
| July  | 31    | Wednesday Night Racing    | Tuesday July 30      | none                              |
| Aug   | 7     | Wednesday Night Racing    | Tuesday Aug. 6       | Thursday Aug. 8                   |
| Aug   | 10    | English Bay Scramble      | Friday Aug. 9        | none                              |
| Aug   | 14    | Wednesday Night Racing    | Tuesday Aug. 13      | none                              |
| Aug   | 17/18 | August OD Series          | Friday Aug. 16       | Sunday Aug. 18                    |
| Aug   | 21    | Wednesday Night Racing    | Tuesday Aug. 20      | none                              |
| Aug   | 28    | Wednesday Night Racing    | none                 | none                              |
| Sep   | 4     | Wednesday Night Racing    | Tuesday Sept 3       | none                              |
| Sep   | 11    | Wednesday Night Racing    | none                 | none                              |
| Sep   | 14/15 | RVan Fleet Champs         | Friday Sept 13       | none-OK after 1700hrs             |
| Sep   | 29    | Lawrance Cup. KYC. M242s  | none. Use East crane | none                              |
| Oct   | 19/20 | October OD Series         | none                 | none                              |
| Oct   | 26/27 | Bluenose KYC. Stars only. | none. Use East crane | none. Use East crane.             |

**CAUTION:** Required Alternate Launch & Lift Out dates were based on water depth measurements taken in March (post Water depths under cranes may change over time, affecting the reliability of this schedule.

Following criteria used to identify race events where alternate launch/lift out dates are required:

## WEDNESDAY EVENINGS:

On race day, the Required Minimum Tide Level (see below) must exist:

For Launching: from 1600hrs to 1730hrs.

For Lift Out: from 1930hrs to 2030hrs.

If not sufficient for Launching, then H float will also be reserved the preceding Tuesday.

If not sufficient for Lift Out, then H float will also be reserved the following Thursday.

## WEEKEND RACE EVENTS:

For Launching, the Required Minimum Tide Level must exist on the first race day from 0900hrs to 1030hrs .

If not sufficient for Launching, then H float will also be reserved the day preceding the first race day.

|   |  |  |
|---|--|--|
| <b>Note: M242s race only on the Saturdays of the OD Series.</b>   |  |  |
| <b>For Lift Out, the Required Minimum Tide Level must exist on the last race day from 1600hrs to 1730hrs.</b>   |  |  |
| <b>If not sufficient for Lift Out, boats raft up on H float or take a temporary mooring slip. H float will also be reserved for the day following the last race day.</b>      |  |  |
| <b>Note: boats return from June 8 Bowen Island race in the evening.</b>   |  |  |
|   |  |  |
| <b>REQUIRED MINIMUM TIDE LEVEL (Pt Atkinson table used as reference):</b>   |  |  |
| <b>Measurements taken in March post-dredging indicate:</b>  |  |  |
| <b>(a) The tide level must be at least the 11' or 3.4m level in its cycle for there to be sufficient water under the Middle crane to launch an M242 (draft = 5' or 1.5m).</b> |  |  |
| <b>(b) When the tide is at 0' in its cycle, water depths under the cranes are as follows::</b>  |  |  |
| <b>West crane: -4.0' or -1.2m (ie dry). Middle crane: -5.2' or -1.6m (ie dry).</b>  |  |  |
| <b>East crane, <u>immediately east of the crane column</u>: +3.1' or +0.9m.</b>   |  |  |
| <b>NOTE: <u>west</u> of the East crane column, water depths will be similar to the Middle crane.</b>  |  |  |

**Royal Van Jericho Port**

**Measurement of Water Depth Under Dry Storage Dock Cranes**

**As at January 26, 2019**

Prepared by Alan Drinkwater

**Pt Atkinson Tides:**

**2019-01-26**

**(Saturday)**

| <b>Time</b> | <b>Height</b> | <b>Height</b> |
|-------------|---------------|---------------|
| <b>PST</b>  | <b>(m)</b>    | <b>(ft)</b>   |
| 02:50       | 1.6           | 5.2           |
| 09:41       | 4.9           | 16.1          |
| 16:31       | 2.1           | 6.9           |
| 22:07       | 3.6           |               |

The following measurements of water depth were taken directly under the hook of the Middle crane when the arm was swung out Northward, at right angles to the dock:

| <b>Time</b> | <b>Actual water dept</b> | <b>Tide level</b> | <b>Difference</b> |
|-------------|--------------------------|-------------------|-------------------|
| 0935hrs     | 11.0'                    | 16.1'             | 5.1'              |
| 1630hrs     | 1.5'                     | 6.9'              | 5.4'              |
|             |                          | Average:          | 5.3'              |

The sand under Middle crane is a bank that slopes gently downward as it extends Northward. The bank extends about 10' Northward of the edge of dry dock before it drops off into deep water.

Water depth under West crane at above low tide time was similar to Middle crane. However the sand bank under this crane extends further Northward before it drops off into deep water.

Water depth under the East crane at above low tide time was 3.5'. The sand bank quickly drops off into deep water as it extends Northward.

Dragons have first priority for use of East crane.

M242s draw 5'.

Sand levels under the cranes can vary from time to time. Thus a "safety factor" of at least 0.5' needs to be provided.

**Conclusion: Tide level must be at least 11.0' for there to be sufficient water to launch an M242 from either the Middle or West crane.**