



# CORTEZ RACING ASSOCIATION

A CALIFORNIA NONPROFIT CORPORATION  
SAN DIEGO, CA



## SAILING INSTRUCTIONS

# OPENING DAY REGATTA

## A PHRF-SD Championship Series Event

Saturday, May 8, 2021

### 1 RULES

- 1.1 Local Advisory: All competitors are asked to observe USCG Navigational Rule 9, which in part reads "A vessel shall not cross a narrow channel or fairway if such crossing impedes the passage of a vessel which can safely navigate only within such channel or fairway." RRS 60.2, 63.1, and A5 are modified to add that the Race Committee (RC) may disqualify a boat infringing this instruction without a hearing. RRS 90.3 is modified to add that this disqualification shall not be excluded.
- 1.2 [DP] NAVAL and CRUISE SHIP PROTECTION ZONE: The Naval and Cruise Ship Protection Zone is a 500yard regulated area of water surrounding all US Naval and Cruise Ship Vessels. All vessels within 500 yards of such vessel shall operate at the minimum speed necessary to maintain safe course and speed and shall proceed as directed by an official patrol. No vessel is allowed within 100 yards of Naval and Cruise Ship traffic.
- 1.3 Entry into the NAS North Island Security Zones around Pier Bravo ([CFR 165.1105](#)) and the aircraft carrier turning basin ([CFR 165.1104](#)) is prohibited.
- 1.4 Boats racing encountering non-racing vessels shall conform to the inland rules of the road.
- 1.5 Per RRS 42.3(i), competitors may use an engine or other propulsion method to avoid situations in SI 1.1 or 1.2 provided they gain no significant advantage in the race.
- 1.6 Add new rule 41(e): (e) help to recover from the water and return on board a crew member, provided the return on board is at the approximate location of the recovery.
- 1.7 If the Race Committee boat is damaged as a result of a boat breaking a rule, that boat shall pay for the repairs.
- 1.8 Sailing Instructions 1.1, 1.6, 10.3, 11.1, 12.3, 13.2, 15.1, 16.2, 17.1, 18.2 and 18.4 modify the RRS.

### 2 CHANGES TO SAILING INSTRUCTIONS

- 2.1 Any change to the sailing instructions will be posted before 0900 on the day it will take effect, except that any change to the schedule of races will be posted by 2000 on the day before it will take effect.
- 2.2 In accordance with RRS 90.2 (c), oral changes to the Sailing Instructions may be made on the water. A change is in effect when the Race Committee (RC) signal boat displays Flag L over A with one sound signal. This means come within hail of the RC boat to receive the oral changes to the Sailing Instructions.

### 3 COMMUNICATIONS WITH COMPETITORS

- 3.1 Official notices and amendments will be available online through the [EVENT NOTICE BOARD](#) on this event's page on the [CRA](#) website.
- 3.2 On the water, the RC will monitor and communicate with competitors on VHF radio channel 68. Please contact them to notify of a boat's intent to withdraw from racing per SI 19.1.
- 3.3 **In the event of an on-the-water emergency, contact the US Coast Guard on VHF Channel 16 directly and immediately.**

### 4 CODE OF CONDUCT

- 4.1 [DP] Competitors and support persons shall comply with reasonable requests from race officials.

### 5 SCHEDULE OF RACES

- 5.1 Two races are scheduled for all classes.
- 5.2 The scheduled time of the warning signal for the first race is **11:55am**. The warning signal for the second race for each class will be as soon as possible after the completion of the first race for that class.

## 6 ENTRIES & CHECK-IN

- 6.1 Boats will have completed their "Check-In" when they check-in with and are acknowledged by the R/C, while clearly displaying their sail number and backstay pennant.
- 6.2 Check-In will commence when the "L" flag is hoisted.
- 6.3 Visual and radio check-in (VHF 68) are acceptable until the first Warning Signal. Visual check-in may continue after the first warning at the sole discretion of the R/C (but not within one minute of any start).

## 7 CLASS STARTING ORDER

- 7.1 The class starting order for the first race will be as follows: 1,2,3,4,5,7,6.
- 7.2 The RC may cancel or combine starts or start classes of boats while other classes are still finishing. It is the responsibility of a boat to start at her signaled start time. You may expect a gap of at least one minute between starting sequences.

## 8 RACING AREA

- 8.1 The starting area is in the vicinity of the ½ mile marker mid-Harbor Island.
- 8.2 The racing area covers the general locale known as San Diego Bay. For navigation, refer to NOAA Chart #18773, San Diego Bay.

## 9 COURSES

- 9.1 The Race Course Number will be displayed onboard the RC boat no later than the first warning signal for each class. Courses may be posted and changed up to the warning signal for any class.
- 9.2 The course will be selected from the attached **NEW** course sheet. All marks listed are considered rounding marks.

## 10 MARKS

- 10.1 See the attached course sheet for descriptions and locations of all marks.
- 10.2 **NOTE:** To differentiate CRA's yellow X mark from the yellow windward mark used for the Yesteryear Regatta, a black band will be placed around the top of CRA's X mark and it will contain advertising on its sides. Also, CRA's Z mark will be yellow, to differentiate it from the YJR's orange mark in the same vicinity.
- 10.3 The use of an autonomous mark will not be grounds for redress. Routine movement of autonomous marks will not be grounds for redress. This includes minor readjustments and marks returning to station after having been pushed away by a competitor. This modifies RRS 62.1(a). 11

## 11 OBSTRUCTIONS

- 11.1 After properly starting, a boat shall not sail through the starting line during a starting sequence. This ranks as an obstruction for the purposes of Part 2 of the RRS. Skippers in violation of this paragraph shall be subject to a DSQ imposed by the RC without benefit of a hearing. This modifies RRS 60.2, 63.1 and A5.  
*However, when either end of the starting line as defined in SI 12.1 is removed, there is no line and therefore no obstruction exists!*

## 12 THE START

- 12.1 The starting line is between a staff with an orange flag on the RC vessel at one end and the course side of an orange autonomous or yellow tetrahedron mark near the RC boat at the other end.
- 12.2 [DP] Boats whose warning signal has not been made shall avoid the starting area during the starting sequence for other classes. Otherwise, this may be seen as a breach of RRS 23.1.
- 12.3 A boat that does not start within 5 minutes after her starting signal will be scored Did Not Start without a hearing. This changes RRS A5.1 and A5.2.
- 12.4 As a courtesy, one minute prior to the first warning the RC will sound 4 horn blasts.

## 13 RECALLS

- 13.1 If any part of a boat's hull is on the course side of the starting line at her starting signal and she is identified, the RC will hail her sail number as soon as possible over a loud hailer and/or on VHF 68. It is the responsibility of each boat to start properly.
- 13.2 Failure to hail her number, failure of her to hear such a hail, or the order in which boats are hailed will not be grounds for a boat's redress for request. This changes RRS 62.1(a).

- 13.3 A RC assist vessel may be stationed near the Pin Buoy end of the starting line and is also authorized to identify and hail premature starters.

## 14 THE FINISH

- 14.1 The finishing line is between a staff with a blue flag on the RC vessel at one end and the shoreside ½ mile marker mid-Harbor Island at the other end. The finish line is not an obstruction at any time.

## 15 PENALTY SYSTEM

- 15.1 RRS V1, Penalty at the Time of the Incident, shall apply: *“The first two sentences of Rule 44.1 are changed to: ‘A boat may take a One-Turn Penalty when she may have broken one or more rules of Part 2 or Rule 31 in an incident while racing. However, when she may have broken one or more rules of Part 2 while in the zone around a mark other than a starting mark, her penalty shall be a Two-Turns Penalty.’”*
- 15.2 RRS V2, Penalty Taken After a Race, shall apply: *“After a race, a boat that may have broken one or more rules of part 2 or Rule 31 in an incident while racing may take a Post-Race Penalty for that incident. A boat takes the penalty by delivering a written notice to a race officer that identifies the race number and when and where the incident occurred. The penalty shall be a 30% Scoring Penalty, calculated as stated in rule 44.3(c). However, rules 44.1(a) and (b) apply, and the penalty shall not be taken after a protest hearing involving the incident has begun.”*

## 16 TIME LIMIT

- 16.1 If no boat in a class has finished by **4:30 PM** on the day of the race, the race will be abandoned for that class.
- 16.2 Boats not finished by **5:00 PM** will be recorded as DNF. This modifies RRS 35, A4 and A5.

## 17 HEARING REQUESTS

- 17.1 RRS 61 is modified to add this additional requirement: A boat intending to protest shall report her intentions and the boat(s) being protested to the RC boat on station upon finishing or retiring and obtain RC acknowledgment. Radio reports of protests are only accepted from boats that are retiring from the race.
- 17.2 The Protest Time Limit expires 60 minutes after the RC boat docks. The Protest Time Limit will be posted on the [EVENT NOTICE BOARD](#).
- 17.3 As there is no postrace party this month, protests may be filed electronically to Colleen Cooke, RC Chair, at sailorcookie@cox.net or (619)852-5010. Protests may also be brought to the RC at SWYC. The RC Signal boat this month, *Adventure*, is docked at SWYC in slip D-66.
- 17.4 The parties involved will be listed, in the order of filing, on the [EVENT NOTICE BOARD](#) and protests will be heard as soon as practicable, which will be at a later date and may involve Zoom. This posting constitutes the notice required by RRS 63.2, *Time and Place of the Hearing*.
- 17.5 An arbitration meeting may be held prior to a protest hearing according to RRS Appendix T for breaches of the rules of Part 2 or rule 31 where there is no damage or injury, if a USSA Certified Judge is available. Protests not resolved through arbitration will be referred to the Protest Committee for a hearing.

## 18 SCORING

- 18.1 One race is required to be completed to constitute a series.
- 18.2 Each boat's score shall be the total of her race scores. No score will be excluded. This modifies RRS Appendix A2.
- 18.3 The course chart will indicate which courses may be identified as windward/leeward and so scored with buoy ratings. All other courses will be scored using the RLC rating. The final decision will be determined based on actual race conditions.
- 18.4 The PRO's decision regarding the rating assigned for scoring will not be grounds for redress. This modifies RRS 62.1(a).

## 19 SAFETY REGULATIONS

- 19.1 [DP] A boat that retires from a race shall notify the race committee at the first reasonable opportunity. Informing the RC can be accomplished by either (a) sailing (motoring) past the RC vessel OR (b) radioing the RC vessel (VHF 68).
- 19.2 Notwithstanding any safety requirements, the ultimate safety of a boat and her crew is the sole and inescapable responsibility of the owner or charterer. He/she must do his/her best to ensure that the boat is fully sound, thoroughly seaworthy and manned by an experienced crew who are physically fit to face bad weather. He/she must be satisfied as to the soundness of hull, spars, rigging, sails and all gear. He/she must ensure that all safety equipment is properly maintained and stowed, and that crewmembers know where it is stowed and how it is used.

## 20 RACE RESULTS & TROPHY AWARDS

- 20.1 Race results will be published on the [EVENT NOTICE BOARD](#) on this event's page on the [CRA](#) website . No official after race party this month due to the COVID pandemic.
- 20.2 Regatta prizes will be awarded using the listed procedure: one prize in each class of 2 - 4 boats, two prizes for 5 - 7 boats, three prizes for 8 or more, based on the number of starters in the class.
- 20.3 Regatta prizes may be picked up from this event's wonderful sponsor, **South Coast Yachts**. Be sure to thank them!

### **South Coast Yachts**

955 Harbor Island Dr., Suite 140

SD 92101

Call 619-224-7784

Contact: Lily Canfield, [Lily@scyachts.com](mailto:Lily@scyachts.com)

## 21 DISCLAIMER OF LIABILITY

Sailing is an activity that has an inherent risk of damage and injury. Competitors in this event participate entirely at their own risk. See RRS 3, *Decision to Race*. The race organizers (CRA, SWYC, race committee, protest committee, host club, sponsors, or any other organization or official) will not be responsible for damage to any boat or other property or the injury to any competitor, including death, sustained as a result of participation in this event. As a condition of their participation in this regatta, competitors release all claims they may have against CRA or SWYC and its officers, directors, members, committees and employees for damage to property, personal injury or death sustained in conjunction with or prior to, during or after the regatta. Competitors shall be responsible for damage or injury caused by their breach of The Racing Rules of Sailing or applicable governmental rules for the avoidance of collision.

## 22 FURTHER INFORMATION

Contact Colleen Cooke, CRA Race Committee Chair, at (619)852-5010 or [sailorcookie@cox.net](mailto:sailorcookie@cox.net).



**2021 OPENING DAY REGATTA COURSE TABLE**

All races start at "A". Marks are to be rounded to port unless they are followed by "s". Marks followed by "s" are to be rounded to starboard. Distances are calculated from current charts and are subject to change due to occasional buoy repositioning by the US Coast Guard.

**Windward/Leeward Courses Downwind Finish:**

| #  | MARKS |      |    |        |    |        |    |        | Dist. |
|----|-------|------|----|--------|----|--------|----|--------|-------|
| 1  | X     | 21   | X  | Finish |    |        |    |        | 3.2   |
| 2  | X     | 21   | X  | 21     | X  | Finish |    |        | 5.2   |
| 3  | X     | 21   | X  | 21     | X  | 21     | X  | Finish | 7.2   |
| 4  | X     | FM19 | X  | Finish |    |        |    |        | 3.6   |
| 5  | X     | FM19 | X  | FM19   | X  | Finish |    |        | 6.0   |
| 6  | X     | FM19 | X  | FM19   | X  | FM19   | X  | Finish | 8.4   |
| 7  | X     | Z    | X  | Finish |    |        |    |        | 4.6   |
| 8  | X     | Z    | X  | Z      | X  | Finish |    |        | 8.0   |
| 9  | X     | Z    | X  | Z      | X  | Z      | X  | Finish | 11.4  |
| 10 | 19    | FM19 | 19 | Finish |    |        |    |        | 5.0   |
| 11 | 19    | FM19 | 19 | FM19   | 19 | Finish |    |        | 8.0   |
| 12 | 19    | FM19 | 19 | FM19   | 19 | FM19   | 19 | Finish | 11.0  |
| 13 | 19    | 21   | 19 | Finish |    |        |    |        | 4.6   |
| 14 | 19    | 21   | 19 | 21     | 19 | Finish |    |        | 7.2   |
| 15 | 19    | 21   | 19 | 21     | 19 | 21     | 19 | Finish | 9.8   |
| 16 | 19    | Z    | 19 | Finish |    |        |    |        | 6     |
| 17 | 19    | Z    | 19 | Z      | 19 | Finish |    |        | 10    |
| 18 | 19    | Z    | 19 | Z      | 19 | Z      | 19 | Finish | 14    |
| 19 | G1    | 21   | G1 | Finish |    |        |    |        | 4.2   |
| 20 | G1    | 21   | G1 | 21     | G1 | Finish |    |        | 6.6   |
| 21 | G1    | 21   | G1 | 21     | G1 | 21     | G1 | Finish | 9.0   |
| 22 | G1    | FM19 | G1 | Finish |    |        |    |        | 4.6   |
| 23 | G1    | FM19 | G1 | FM19   | G1 | Finish |    |        | 7.4   |
| 24 | G1    | FM19 | G1 | FM19   | G1 | FM19   | G1 | Finish | 10.2  |
| 25 | G1    | Z    | G1 | Finish |    |        |    |        | 5.8   |
| 26 | G1    | Z    | G1 | Z      | G1 | Finish |    |        | 9.8   |
| 27 | G1    | Z    | G1 | Z      | G1 | Z      | G1 | Finish | 13.8  |

**Windward/Leeward Courses Upwind Finish:**

| #  | MARKS |      |        |      |        |      |        |  | Dist. |
|----|-------|------|--------|------|--------|------|--------|--|-------|
| 28 | X     | 21   | Finish |      |        |      |        |  | 2     |
| 29 | X     | 21   | X      | 21   | Finish |      |        |  | 4     |
| 30 | X     | 21   | X      | 21   | X      | 21   | Finish |  | 6     |
| 31 | X     | FM19 | Finish |      |        |      |        |  | 2.4   |
| 32 | X     | FM19 | X      | FM19 | Finish |      |        |  | 4.8   |
| 33 | X     | FM19 | X      | FM19 | X      | FM19 | Finish |  | 7.2   |
| 34 | X     | Z    | Finish |      |        |      |        |  | 3.4   |
| 35 | X     | Z    | X      | Z    | Finish |      |        |  | 6.8   |
| 36 | X     | Z    | X      | Z    | X      | Z    | Finish |  | 10.2  |
| 37 | 19    | 21   | Finish |      |        |      |        |  | 2.7   |
| 38 | 19    | 21   | 19     | 21   | Finish |      |        |  | 5.3   |
| 39 | 19    | 21   | 19     | 21   | 19     | 21   | Finish |  | 7.9   |
| 40 | 19    | FM19 | Finish |      |        |      |        |  | 3.1   |
| 41 | 19    | FM19 | 19     | FM19 | Finish |      |        |  | 6.1   |
| 42 | 19    | FM19 | 19     | FM19 | 19     | FM19 | Finish |  | 9.1   |
| 43 | 19    | Z    | Finish |      |        |      |        |  | 4.1   |
| 44 | 19    | Z    | 19     | Z    | Finish |      |        |  | 8.1   |
| 45 | 19    | Z    | 19     | Z    | 19     | Z    | Finish |  | 12.1  |
| 46 | G1    | 21   | Finish |      |        |      |        |  | 2.5   |
| 47 | G1    | 21   | G1     | 21   | Finish |      |        |  | 4.9   |
| 48 | G1    | 21   | G1     | 21   | G1     | 21   | Finish |  | 7.3   |
| 49 | G1    | FM19 | Finish |      |        |      |        |  | 2.9   |
| 50 | G1    | FM19 | G1     | FM19 | Finish |      |        |  | 5.7   |
| 51 | G1    | FM19 | G1     | FM19 | G1     | FM19 | Finish |  | 8.5   |
| 52 | G1    | Z    | Finish |      |        |      |        |  | 4     |
| 53 | G1    | Z    | G1     | Z    | Finish |      |        |  | 8     |
| 54 | G1    | Z    | G1     | Z    | G1     | Z    | Finish |  | 10    |

**Navigation Mark Descriptions:**

- "A" CRA YELLOW Inflatable, or ORANGE autonomous mark, South of the middle of Harbor Island
- "X" CRA YELLOW Inflatable with a black band, South of the west end of Harbor Island
- "Z" CRA YELLOW Inflatable, Southeast of the Embarcadero, near Star of India
- FM19 Cement Fleet Mooring Buoy, SSW of the east end of Harbor Island
- G1 The green entrance marker buoy for America's Cup Harbor as shown on NOAA chart 18773.

**Navigation Buoys - (refer to NOAA Chart 18773):**

|    |                           |     |                           |     |                           |
|----|---------------------------|-----|---------------------------|-----|---------------------------|
| 5  | SD 5, green channel buoy  | 16A | SD 16A, red channel buoy  | 23  | SD 23, green channel buoy |
| 9  | SD 9, green channel buoy  | 17  | SD 17, green channel buoy | 24  | SD 24, red channel buoy   |
| 10 | SD 10, red channel buoy   | 18  | SD 18, red channel buoy   | 26  | SD 26, red channel buoy   |
| 11 | SD 11, green channel buoy | 19  | SD 19, green channel buoy | 26A | SD 26A, red channel buoy  |
| 12 | SD 12, red channel buoy   | 20  | SD 20, red channel buoy   | 28  | SD 28, red channel buoy   |
| 14 | SD 14, red channel buoy   | 21  | SD 21, green channel buoy | 30  | SD 30, red channel buoy   |
| 15 | SD 15, green channel buoy | 22  | SD 22, red channel buoy   |     |                           |
| 16 | SD 16, red channel buoy   | 22A | SD 22A, red channel buoy  |     |                           |

Random Leg Courses on the next pages...

## Random Leg Courses:

| Course # | Marks |      |      |      |    |      | Handicap Distance | Course # | Marks |      |      |     |    |      | Handicap Distance |      |
|----------|-------|------|------|------|----|------|-------------------|----------|-------|------|------|-----|----|------|-------------------|------|
| 101      | X     | 21   |      |      |    |      | 2.0               | 168      | 20    | 24   | Z    |     |    |      | 5.8               |      |
| 102      | X     | 20   | 21   |      |    |      | 2.2               | 169      | 20    | FM19 | 20   | 23  | Z  |      | 6.9               |      |
| 103      | X     | FM19 |      |      |    |      | 2.4               | 170      | 20    | 26   | Z    |     |    |      |                   | 8.6  |
| 104      | X     | 20   | FM19 |      |    |      | 2.6               | 171      | 20    | 26A  | Z    |     |    |      |                   | 9.3  |
| 105      | X     | 19   | 21   | FM19 |    |      | 3.2               |          |       |      |      |     |    |      |                   |      |
| 106      | X     | Z    |      |      |    |      | 3.4               | 172      | X     | 18   | Z    |     |    |      |                   | 4.3  |
| 107      | X     | FM19 | 20   | 21   |    |      | 3.8               | 173      | X     | 14   | Z    |     |    |      |                   | 6.9  |
| 108      | X     | 22   |      |      |    |      | 3.9               | 174      | X     | 16A  | Z    | X   | Z  |      |                   | 9.0  |
| 109      | X     | 21   | X    | 21   |    |      | 4.0               | 175      | X     | 9    | Z    |     |    |      |                   | 9.4  |
| 110      | X     | 20   | 22   | FM19 |    |      | 4.2               | 176      | X     | 9    | 22   | Z   |    |      |                   | 10.3 |
| 111      | X     | 22   | Z    |      |    |      | 4.4               | 177      | X     | 11   | Z    | X   | Z  |      |                   | 11.8 |
| 112      | X     | 20   | FM19 | X    | 21 |      | 4.6               | 178      | X     | 11   | FM19 | X   | Z  |      |                   | 10.9 |
| 113      | X     | FM19 | X    | FM19 |    |      | 4.8               | 179      | X     | 5    | Z    |     |    |      |                   | 11.9 |
| 114      | X     | 23   |      |      |    |      | 5.1               | 180      | X     | 5    | 22   | Z   |    |      |                   | 12.9 |
| 115      | X     | 23   | FM19 |      |    |      | 5.3               | 181      | X     | 9    | Z    | X   | Z  |      |                   | 12.8 |
| 116      | X     | 23   | Z    |      |    |      | 5.5               | 182      | X     | 18   | 22   |     |    |      |                   | 4.8  |
| 117      | X     | 24   |      |      |    |      | 5.8               | 183      | X     | 18   | 24   |     |    |      |                   | 6.7  |
| 118      | X     | Z    | X    | FM19 |    |      | 5.8               | 184      | X     | 16A  | 22   | X   | Z  |      |                   | 9.4  |
| 119      | X     | 24   | FM19 |      |    |      | 5.9               | 185      | X     | 18   | 26   |     |    |      |                   | 9.5  |
| 120      | X     | 24   | Z    |      |    |      | 6.3               | 186      | X     | 16A  | 24   | X   | Z  |      |                   | 11.2 |
| 121      | X     | 20   | Z    | X    | Z  |      | 7.1               | 187      | X     | 16A  | 26   | X   | Z  |      |                   | 14.0 |
| 122      | X     | FM19 | X    | Z    | X  | FM19 | 8.2               | 188      | X     | 16A  | 28   | X   | Z  |      |                   | 15.3 |
| 123      | X     | 26   |      |      |    |      | 8.6               |          |       |      |      |     |    |      |                   |      |
| 124      | X     | Z    | X    | Z    |    |      | 8.6               | 189      | X     | 22   | 18   | 21  |    |      |                   | 6.4  |
| 125      | X     | 26   | FM19 |      |    |      | 8.7               | 190      | X     | 22   | X    | Z   |    |      |                   | 7.3  |
| 126      | X     | 26   | Z    |      |    |      | 9.1               | 191      | X     | 22   | Z    | X   | Z  |      |                   | 7.8  |
| 127      | X     | Z    | X    | FM19 | X  | Z    | 9.3               | 192      | X     | 22   | X    | 22  | Z  |      |                   | 8.2  |
| 128      | X     | Z    | X    | Z    | X  | Z    | 10.3              | 193      | X     | 24   | 18   | 21  |    |      |                   | 8.2  |
|          |       |      |      |      |    |      |                   | 194      | X     | 24   | X    | Z   |    |      |                   | 9.1  |
| 129      | 19    | 21   |      |      |    |      | 2.7               | 195      | X     | 24   | Z    | X   | Z  |      |                   | 9.6  |
| 130      | 19    | FM19 |      |      |    |      | 3.1               | 196      | X     | 24   | X    | 22  | Z  |      |                   | 10.0 |
| 131      | 19    | Z    |      |      |    |      | 4.1               | 197      | X     | 26   | 18   | 21  |    |      |                   | 11.0 |
| 132      | 19    | 21   | X    | 21   |    |      | 4.6               | 198      | X     | 24   | X    | 24  | Z  |      |                   | 10.8 |
| 133      | 19    | 22   | Z    |      |    |      | 5.1               | 199      | X     | 26   | X    | Z   |    |      |                   | 11.9 |
| 134      | 19    | 21   | 19   | 21   |    |      | 5.2               | 200      | X     | 28   | X    | Z   |    |      |                   | 13.2 |
| 135      | 19    | FM19 | X    | FM19 |    |      | 5.5               |          |       |      |      |     |    |      |                   |      |
| 136      | 19    | FM19 | 19   | FM19 |    |      | 6.1               | 201      | X     | 21   | X    |     |    |      |                   | 3.2  |
| 137      | 19    | 23   | Z    |      |    |      | 6.2               | 202      | X     | FM19 | X    |     |    |      |                   | 3.6  |
| 138      | 19    | 24   | Z    |      |    |      | 6.9               | 203      | X     | Z    | X    |     |    |      |                   | 4.7  |
| 139      | 19    | Z    | 19   | FM19 |    |      | 7.1               | 204      | 19    | FM19 | 19   |     |    |      |                   | 5.0  |
| 140      | 19    | Z    | X    | Z    |    |      | 7.6               | 205      | 19    | Z    | 19   |     |    |      |                   | 6.1  |
| 141      | 19    | Z    | 19   | Z    |    |      | 8.2               | 206      | X     | 17   | X    | 16  |    |      |                   | 6.7  |
| 142      | 19    | 26   | Z    |      |    |      | 9.7               | 207      | X     | 19   | Z    | 16A |    |      |                   | 7.4  |
|          |       |      |      |      |    |      |                   | 208      | X     | 15   | X    | 16  |    |      |                   | 7.9  |
| 143      | 18    | FM19 |      |      |    |      | 3.2               | 209      | X     | 18   | Z    | 17  |    |      |                   | 8.1  |
| 144      | 18    | Z    |      |      |    |      | 4.1               | 210      | X     | 18   | 24   | Z   | X  |      |                   | 8.4  |
| 145      | 18    | 22   | Z    |      |    |      | 5.1               | 211      | X     | 20   | Z    | 21  | 23 | FM19 | 18                | 8.9  |
| 146      | 18    | 21   | 18   | 21   |    |      | 5.1               | 212      | X     | 17   | Z    | 17  |    |      |                   | 9.9  |
| 147      | 15    | FM19 |      |      |    |      | 5.8               | 213      | X     | 15   | Z    | 17  |    |      |                   | 10.7 |
| 148      | 18    | 23   | Z    |      |    |      | 6.2               | 214      | X     | 15   | Z    | 19  | 15 |      |                   | 11.6 |
| 149      | 18    | FM19 | 18   | FM19 |    |      | 6.3               |          |       |      |      |     |    |      |                   |      |
| 150      | 17    | 22   | Z    |      |    |      | 6.6               | 215      | X     | 21   | 18   |     |    |      |                   | 3.9  |
| 151      | 18    | 24   | Z    |      |    |      | 6.9               | 216      | X     | 22   | X    |     |    |      |                   | 5.1  |
| 152      | 17    | FM19 | 19   | FM19 |    |      | 7.6               | 217      | X     | 23   | X    |     |    |      |                   | 6.3  |
| 153      | 15    | 22   | Z    |      |    |      | 7.7               | 218      | 19    | 22   | X    | 19  |    |      |                   | 6.7  |
| 154      | 17    | 23   | Z    |      |    |      | 7.7               | 219      | 19    | 23   | 19   |     |    |      |                   | 7.6  |
| 155      | 18    | Z    | 18   | Z    |    |      | 8.1               | 220      | 19    | 24   | 19   |     |    |      |                   | 8.3  |
| 156      | 17    | 24   | Z    |      |    |      | 8.4               | 221      | X     | 24   | X    | 16A |    |      |                   | 9.1  |
| 157      | 17    | FM19 | 17   | FM19 |    |      | 9.1               | 222      | 19    | 26   | X    |     |    |      |                   | 10.5 |
| 158      | 18    | 26   | Z    |      |    |      | 9.7               |          |       |      |      |     |    |      |                   |      |
| 159      | 17    | Z    | 19   | Z    |    |      | 9.7               | 223      | 20    | 21   | 18   |     |    |      |                   | 3.4  |
| 160      | 17    | 26   | Z    |      |    |      | 11.2              | 224      | 20    | Z    | 20   |     |    |      |                   | 3.8  |
| 161      | 17    | Z    | 17   | Z    |    |      | 11.2              | 225      | 18    | FM19 | X    | 18  |    |      |                   | 5.3  |
| 162      | 20    | 21   |      |      |    |      | 1.5               | 226      | 16A   | FM19 | X    | 19  |    |      |                   | 6.4  |
| 163      | 20    | FM19 |      |      |    |      | 2.0               | 227      | 17    | FM19 | X    | 18  |    |      |                   | 6.9  |
| 164      | 20    | Z    |      |      |    |      | 3.0               | 228      | 17    | 21   | 17   |     |    |      |                   | 7.6  |
| 165      | 20    | FM19 | 20   | FM19 |    |      | 3.8               | 229      | 18    | Z    | 15   |     |    |      |                   | 8.6  |
| 166      | 20    | 22   | Z    |      |    |      | 4.0               | 230      | 17    | Z    | 17   |     |    |      |                   | 9.2  |
| 167      | 20    | 23   | Z    |      |    |      | 5.1               | 231      | 15    | Z    | 17   |     |    |      |                   | 10.3 |

Continued...

## Random Leg Courses Continued:

|     |      |    |      |    |      |    |      |     |       |      |     |     |      |     |    |      |      |
|-----|------|----|------|----|------|----|------|-----|-------|------|-----|-----|------|-----|----|------|------|
| 232 | 16A  |    |      |    |      |    | 3.2  | 279 | FM19  | X    | Z   |     |      |     |    |      | 4.6  |
| 233 | 17   |    |      |    |      |    | 3.6  | 280 | Z     | X    | Z   |     |      |     |    |      | 5.6  |
| 234 | X    | 16 |      |    |      |    | 4.0  | 281 | Z     | 19   | Z   |     |      |     |    |      | 6.3  |
| 235 | 15   |    |      |    |      |    | 4.7  | 282 | Z     | X    | 18  | Z   |      |     |    |      | 6.5  |
| 236 | 12   |    |      |    |      |    | 6.1  | 283 | Z     | X    | 16A | Z   |      |     |    |      | 7.4  |
| 237 | 10   |    |      |    |      |    | 7.2  | 284 | Z     | X    | Z   | X   | FM19 |     |    |      | 8.0  |
| 238 | 11   | 14 | 9    |    |      |    | 8.9  | 285 | Z     | X    | 14  | Z   |      |     |    |      | 8.9  |
| 239 | 5    |    |      |    |      |    | 9.8  | 286 | Z     | 19   | Z   | 19  | Z    |     |    |      | 10.3 |
| 240 | 10   | 17 | 10   |    |      |    | 11.0 | 287 | Z     | 17   | Z   | X   | Z    |     |    |      | 11.3 |
| 241 | 5    | 9  | 5    |    |      |    | 12.3 | 288 | Z     | X    | Z   | X   | Z    | X   | Z  |      | 12.5 |
| 242 | 5    | 11 | 5    |    |      |    | 13.4 | 289 | Z     | 19   | Z   | 19  | Z    | 19  | Z  |      | 14.4 |
| 243 | FM19 | X  |      |    |      |    | 2.4  | 290 | 21    | X    | 21  |     |      |     |    |      | 2.7  |
| 244 | FM19 | 19 |      |    |      |    | 3.1  | 291 | 21    | 19   | 21  |     |      |     |    |      | 3.3  |
| 245 | Z    | X  |      |    |      |    | 3.4  | 292 | 22    | X    | 21  |     |      |     |    |      | 4.6  |
| 246 | Z    | 19 |      |    |      |    | 4.1  | 293 | 22    | 19   | 21  |     |      |     |    |      | 5.3  |
| 247 | Z    | X  | FM19 | X  |      |    | 5.8  | 294 | 23    | X    | 21  |     |      |     |    |      | 5.8  |
| 248 | Z    | X  | Z    | X  |      |    | 6.9  | 295 | 24    | X    | 21  |     |      |     |    |      | 6.5  |
| 249 | Z    | 19 | Z    | 19 |      |    | 8.2  | 296 | 24    | 19   | 21  |     |      |     |    |      | 7.1  |
| 250 | Z    | X  | FM19 | 19 | FM19 | 19 | 9.5  | 297 | 24    | 22   | 23  | X   | 21   |     |    |      | 7.7  |
| 251 | Z    | X  | Z    | X  | Z    | X  | 10.3 | 298 | 24    | 22   | 24  | X   | 21   |     |    |      | 8.4  |
| 252 | Z    | 19 | Z    | 19 | Z    | 19 | 12.3 | 299 | 26    | X    | 21  |     |      |     |    |      | 9.3  |
|     |      |    |      |    |      |    |      | 300 | 26A   | X    | 21  |     |      |     |    |      | 10.0 |
| 253 | 21   | X  |      |    |      |    | 2.0  | 301 | 26A   | 19   | 21  |     |      |     |    |      | 10.6 |
| 254 | 21   | 19 |      |    |      |    | 2.7  | 302 | 28    | 19   | 21  |     |      |     |    |      | 11.2 |
| 255 | 22   | X  |      |    |      |    | 3.9  |     |       |      |     |     |      |     |    |      |      |
| 256 | 22   | 19 |      |    |      |    | 4.6  | 303 | 22    | Z    |     |     |      |     |    |      | 3.2  |
| 257 | 23   | X  |      |    |      |    | 5.1  | 304 | 22    | Z    | X   | 21  |      |     |    |      | 5.2  |
| 258 | 24   | X  |      |    |      |    | 5.8  | 305 | 22    | FM19 | 19  | 21  |      |     |    |      | 5.4  |
| 259 | 24   | 19 |      |    |      |    | 6.5  | 306 | 21    | FM19 | X   | 21  | FM19 | X   | 21 | FM19 | 6.1  |
| 260 | 24   | 22 | 23   | X  |      |    | 6.9  | 307 | FM19  | 19   | 21  | 19  | 21   |     |    |      | 6.3  |
| 261 | 24   | 22 | 24   | X  |      |    | 7.6  | 308 | 22    | FM19 | X   | 21  | X    | 21  |    |      | 6.8  |
| 262 | 26   | X  |      |    |      |    | 8.6  | 309 | 22    | X    | 22  | Z   |      |     |    |      | 7.0  |
| 263 | 26A  | X  |      |    |      |    | 9.3  | 310 | 24    | Z    | X   | 21  |      |     |    |      | 7.0  |
| 264 | 26A  | 19 |      |    |      |    | 9.9  | 311 | 22    | Z    | X   | 22  | Z    |     |    |      | 7.5  |
| 265 | 28   | 19 |      |    |      |    | 10.6 | 312 | 22    | X    | 22  | 21s | Z    |     |    |      | 8.0  |
|     |      |    |      |    |      |    |      | 313 | 26    | Z    | X   | 21  |      |     |    |      | 9.8  |
| 266 | 21   | 20 | FM19 | 20 |      |    | 3.4  | 314 | 24    | X    | Z   | X   | 21   |     |    |      | 10.0 |
| 267 | 21   | 20 | FM19 | 19 |      |    | 4.5  | 315 | 26    | X    | Z   | X   | 21   |     |    |      | 12.8 |
| 268 | FM19 | 19 | 21   | 19 |      |    | 5.6  |     |       |      |     |     |      |     |    |      |      |
| 269 | 22   | X  | FM19 | X  |      |    | 6.3  | 316 | FM19s | 22   | Z   |     |      |     |    |      | 3.3  |
| 270 | 22   | X  | Z    | X  |      |    | 7.3  | 317 | FM19s | 24   |     |     |      |     |    |      | 4.7  |
| 271 | 23   | X  | Z    | X  |      |    | 8.5  | 318 | 22s   | 22A  | Z   | 22A | 22   |     |    |      | 5.7  |
| 272 | 24   | X  | Z    | X  |      |    | 9.2  | 319 | FM19s | 22A  | Z   | 22A | 22   |     |    |      | 5.9  |
| 273 | 24   | 19 | Z    | X  |      |    | 9.8  | 320 | FM19s | 26   |     |     |      |     |    |      | 7.5  |
| 274 | 26   | X  | FM19 | X  |      |    | 11.0 | 321 | 22s   | 22A  | Z   | 22A | Z    | 22A | 22 |      | 7.8  |
| 275 | 26   | X  | Z    | X  |      |    | 12.0 | 322 | FM19s | 26A  |     |     |      |     |    |      | 8.1  |
| 276 | 26A  | X  | Z    | X  |      |    | 12.7 | 323 | FM19s | 28   |     |     |      |     |    |      | 8.8  |
|     |      |    |      |    |      |    |      | 324 | FM19s | 24   | 22  | 26  |      |     |    |      | 9.3  |
| 277 | FM19 | X  | FM19 |    |      |    | 3.5  | 325 | FM19s | 28   | 22  | 24  |      |     |    |      | 10.6 |
| 278 | FM19 | 19 | FM19 |    |      |    | 4.1  | 326 | FM19s | 26   | 22  | 26  |      |     |    |      | 12.1 |

END