

CORTEZ RACING ASSOCIATION

A CALIFORNIA NONPROFIT CORPORATION



SUMMER REGATTA



Saturday, June 7, 2019

SAILING INSTRUCTIONS

The notation '[DP]' in a rule in the SIs means that the penalty for a breach of that rule may, at the discretion of the protest committee, be less than disqualification.

1. RACING RULES:

- 1.1 The regatta will be governed by the rules as defined in *The Racing Rules of Sailing*, except US Sailing Prescriptions to Rules 63.2 and 63.4 will not apply.
- 1.2 RRS Appendix V1: Penalty At The Time Of An Incident, and Appendix V2: Penalty Taken After A Race, will apply.
- 1.3 Class Rules of PHRF San Diego (www.phrfsandiego.org) will apply to classes #1-6, including the requirement for each boat to have a current, valid PHRF certificate issued by PHRF San Diego.
- 1.4 Rules of any other class entered as a class will apply to that class.
- 1.5 Amendments to these Sailing Instructions will be distributed using the CRA web site (www.cortezracing.com) and will be available at the R/C Boat on race day(s) when code flags "L" and "A" are on hoist during Race Check-In.
- 1.6 **Local Advisory:** Be advised that no vessel has the "right-of-way" over a large ship in the deep-water channel. [USCG Navigational Rules 9\(b\) and 10\(j\)](#) will be strictly enforced. All competitors are asked to observe USCG Navigational Rule 9, which in part reads "**a sailing vessel shall not impede the passage of a vessel that can safely navigate only within a narrow channel or fairway**" and Rule 10 which in part reads, "**a sailing vessel shall not impede the safe passage of a power-driven vessel following a traffic lane.**" Further, USCG Navigational Rule 34, in part reads "...**When vessels in sight of one another... doubt whether sufficient action is being taken by the other to avoid collision, the vessel in doubt shall immediately indicate such doubt by giving at least five short and rapid blasts on the (horn).**" You can be sure to keep from infringing this rule if you do not cross the bow of any ship in the channel within two of her ship lengths. Any boat participating in a CRA race that is identified in any complaint from a RC boat, the Coast Guard, Harbor Pilot or commercial vessel captain that has sounded 5 horns will be presumed to have infringed this instruction. **RRS 60.2, 63.1 and A5 are modified to add that the R/C may disqualify a yacht infringing this instruction without a hearing. RRS 90.3 is modified to add that this disqualification shall not be excluded.**
- 1.7 **NAVAL and CRUISE SHIP PROTECTION ZONE:** The Naval and Cruise Ship Protection Zone is a 500 yard 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.
- 1.8 Per RRS 42.3(h), competitors may use an engine or other propulsion method to avoid situations in 1.6 or 1.7 provided they gain no significant advantage in the race.
- 1.9 RRS 55 is changed by adding the following sentence to the rule: '*However, discarding biodegradable bands when setting a sail is permitted.*'
- 1.10 Sailing Instructions 1.6, 1.9, 3.5, 5.7, 5.8, 5.10, 6.2, 8.4, 9.2, 10.3, 10.5, 11, and 12.1 modify the RRS.

2. SCHEDULE OF RACES

- 2.1 Two races are scheduled.
- 2.2 The scheduled time of the warning signal for the first race is **11:55am**. The warning signal for the second race will be as soon as possible after the completion of the first race.

3. ENTRIES & CHECK-IN:

- 3.1 All eligible boats will have entered on-line at www.cortezracing.com, no later than **6:00pm** on Friday, June 7, 2019.
- 3.2 The entry fee for this regatta is \$40 for non-CRA members, with a \$5 discount for USSA membership. No charge for CRA members.

- 3.3 Late entries will only be accepted from CRA members with current PHRF-SD certificates. Late entrants may **not** check in by radio, but must provide to the R/C, in writing: the owner's name, DOB, address including zip code, email address, phone number, boat name and type, sail number, class, RLC and Buoy ratings, to complete their entry.
- 3.4 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. Check-In will commence when the "L" flag is hoisted. 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).
- 3.5 All boats shall have clearly visible sail numbers. Missing, improper, inconsistent, unclear, illegible, or numbers other than those used for Check-In, are not permitted and may result in being scored DNF. [DP] This modifies RRS Appendix A5.

4. CLASSES, CLASS FLAGS AND STARTING ORDER:

4.1 A numeral pennant, matching the class, must be flown from the backstay of all boats while checking in, while racing, and while finishing.

4.2 Classes shall use the *CRA 2019 Class Breaks*, based on RLC ratings, as follows:

Initial Starting Order			Pennant
Class 1	PHRF Spinnaker	RLC of -999 to -1	#1
Class 2	PHRF Spinnaker	RLC of 0 to +75, where PF ≥ 4.0	#2
Class 3	PHRF Spinnaker	RLC of 0 to +75, where PF < 4.0, RLC of +76 to +86, RLC of +87 to +140 with LOA ≥ 42' and PF < 4.0	#3
Class 4	PHRF Spinnaker	RLC of +87 to +140 with LOA < 42'	#4
Class 5	PHRF Spinnaker	RLC of +141 to +999	#5
Class 6	Non-Spin	All Ratings	#6
Class 8	Multi-hulls	All Ratings	#8

4.3 The R/C may cancel or combine starts. It is the responsibility of a boat to start at her signaled start time.

5. THE START AND RACING AREAS:

- 5.1 The starting area is in the vicinity of the ½ mile marker mid-Harbor Island.
- 5.2 The racing area covers the general locale known as San Diego Bay. For navigation, refer to NOAA Chart #18773, San Diego Bay.
- 5.3 The "L" flag, when on hoist, indicates the R/C is "On Station" for race Check-In procedures.
- 5.4 The Starting Line will lie between a staff with an orange flag on the R/C vessel and an inflatable buoy or autonomous mark ("A" Mark) near the R/C boat. (NOTE: "A" Mark is also the Pin End of the Start/Finish line.)
- 5.5 If the Race Committee boat is damaged as a result of a boat breaking a rule, that boat shall pay for the repairs.
- 5.6 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 24.1. [DP]
- 5.7 A boat starting later than 5 minutes after her starting signal will be scored Did Not Start (DNS) without a hearing. This changes rule A5.
- 5.8 After properly starting, a boat shall not sail through the "Starting Line" or "Finishing Line" unless actually finishing. 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 R/C without benefit of a hearing. This modifies RRS 63.1, Requirement for a Hearing, and Appendix A5, Scores Determined by the Race Committee. *However, when either end of the line as defined in 5.4 or 8.1 is removed, there is no line and therefore no obstruction exists!*
- 5.9 All races will be started in accordance with RRS 26. As a courtesy, one minute prior to the first warning the R/C may sound 4 horn blasts.
- 5.10 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, marks returning to station after having been pushed away by a competitor, and collisions with marks that are not actively marks of the course presuming these collisions do not cause damage. This modifies RRS 62.1 (a).

6. RECALLS:

- 6.1 Individual Recalls will be signaled by a horn blast as the long sound signal, in accordance with RRS 29.1. As a courtesy, the R/C will attempt to hail boats "On Course Side" (OCS) as soon as possible over a loud hailer and/or on VHF 68, but it is the responsibility of each boat to start properly.
- 6.2 Failure of electronic equipment, failure to hear a hail, order of hail, or delay in hailing will not be grounds for redress. This modifies RRS 62.1 (a).

6.3 A R/C assist vessel may be stationed near the Pin Buoy end of the starting line and is also authorized to identify and hail premature starters.

7. COURSES:

- 7.1 The Race Course Number will be displayed onboard the R/C 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.
- 7.2 The course will be selected from the attached course sheet. All marks listed are considered rounding marks.

8. THE FINISH:

- 8.1 The Finish Line will lie between an Orange Flag onboard the R/C boat and a nearby buoy or autonomous mark ("A" Mark).
- 8.2 In the event that the pin mark is missing, boats may finish by passing on either side of the R/C, within 3 boat lengths.
- 8.3 Boats finishing during a "Start Sequence" may elect to finish within 2 boat-lengths distance outboard of the Pin End buoy or the R/C boat.
- 8.4 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, marks returning to station after having been pushed away by a competitor, and collisions with marks that are not actively marks of the course presuming these collisions do not cause damage. This modifies RRS 62.1 (a).

9. TIME LIMIT:

- 9.1 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.
- 9.2 Boats not finished by 5:00 PM will be recorded as DNF. This modifies RRS 35.
- 9.3 If an "E" (echo) signal flag is raised and on hoist prior to the first warning of a race, these finish deadline times may be extended at the discretion of the R/C.
- 9.4 When a boat retires from a race, **the R/C must be notified before leaving the course area.** Informing the R/C vessel can be accomplished by either (a) sailing (motoring) past the R/C vessel OR (b) radioing the R/C vessel (VHF 68). Failure to do this may result in entry rejection for other CRA races. If the R/C vessel does not answer, leave the information with another race participant, or text (619)852-5010, to avoid punitive action, or keep trying.

10. SCORING:

- 10.1 The Low Point Scoring System of Appendix A will apply.
- 10.2 One race is required to be completed to constitute a series.
- 10.3 Each boat's score shall be the total of her race scores. No score will be excluded. This modifies RRS Appendix A2.
- 10.4 PHRF "RLC" ratings will be used as the default for scoring all races and to determine class breaks. However, the PRO may elect, on a race-by-race basis for each class, to use the Buoy ratings, should conditions permit. Courses signaled with a "B" designation will indicate Buoy ratings are expected, but the final decision will be determined based on actual race conditions. PHRF non-spinnaker offsets will not be used for scoring.
- 10.5 The PRO's decision regarding the rating assigned will not be grounds for redress. This modifies RRS 62.1 (a).

11. PENALTIES:

- 11.1 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.'"*
- 11.2 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."*

12. PROTESTS:

- 12.1 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 R/C boat on station upon finishing or retiring and obtain R/C acknowledgment. Radio reports of protests are not accepted except from boats that are retiring from the race.
- 12.2 Red Protest Flags shall be displayed from the backstay. On boats without backstays, the protest flag will be displayed in a prominent position on the stern.

- 12.3 Written protests shall be lodged with a representative of the Race Committee at the post race meeting area within 60 minutes of the finish of the last boat. The Protest Committee may extend this time if there is good reason to do so.
- 12.4 The parties involved will be listed, in the order of filing, on the [CRA](#) website link for this regatta and protests will be heard as soon as practicable, which may be at a later date. This posting constitutes the notice required by RRS 63.2, Time and Place of the Hearing.

13. RESPONSIBILITIES, SAFETY & PERSONAL FLOTATION:

- 13.1 It is the sole responsibility of the skipper of each boat to decide whether or not to start and/or continue to race.
- 13.2 After the starting sequence is complete, the R/C vessel will make every attempt to monitor VHF channel 68. In the event of an on-the-water emergency, contact the US Coast Guard on VHF Channel 16 immediately.
- 13.3 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.
- 13.4 While racing, each competitor will be required to have onboard and accessible, a "wearable" PFD. The use of PFDs by individuals and skippers is encouraged at all times. If in the opinion of the R/C conditions warrant the use of PFDs, the R/C will signal the "Y" flag accompanied by multiple rapid horn blasts, indicating RRS 40 is in affect.

14. RADIO COMMUNICATION

- 14.1 The Race Committee will monitor VHF Ch.68 for radio traffic regarding the regatta. Please contact them to notify the Race Committee of a boat's intent to withdraw from racing per 9.3.
- 14.2 Except in an emergency, a boat that is racing shall not make voice or data transmissions and shall not receive voice or data communication that is not available to all boats. [DP]
- 14.3 In the event of an on-the-water emergency, contact the US Coast Guard on VHF Channel 16 immediately.

15. RACE RESULTS & TROPHY AWARDS:

- 15.1 Race results will be announced at the after race party at **Fiddler's Green, 2760 Shelter Island Dr, (619) 222-2216**, and published on the CRA web site (www.cortezracing.com). Meet ASAP after the race for refreshments and re-hashing of the day.
- 15.2 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.

16. 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 4, Decision to Race. The race organizers (CRA, 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 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.

CRA Race Committee Chair
Colleen Cooke
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Cortez Racing Association 2019 SUMMER REGATTA COURSE TABLE

All races start and finish 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.

Course #	Marks						Handicap Distance	Course #	Marks						Handicap Distance
1	X	21					2.0	68	20	24	Z				
2	X	20	21				2.2	69	20	FM19	20	23	Z	5.8	
3	X	FM19					2.4	70	20	26	Z				8.6
4	X	20	FM19				2.6	71	20	26A	Z				9.3
5	X	19	21	FM19			3.2								
6	X	Z					3.4	72	X	18	Z				4.3
7	X	FM19	20	21			3.8	73	X	14	Z				6.9
8	X	22					3.9	74	X	16A	Z	X	Z		9.0
9	X	21	X	21			4.0	75	X	9	Z				9.4
10	X	20	22	FM19			4.2	76	X	9	22	Z			10.3
11	X	22	Z				4.4	77	X	11	Z	X	Z		11.8
12	X	20	FM19	X	21		4.6	78	X	11	FM19	X	Z		10.9
13	X	FM19	X	FM19			4.8	79	X	5	Z				11.9
14	X	23					5.1	80	X	5	22	Z			12.9
15	X	23	FM19				5.3	81	X	9	Z	X	Z		12.8
16	X	23	Z				5.5	82	X	18	22				4.8
17	X	24					5.8	83	X	18	24				6.7
18	X	Z	X	FM19			5.8	84	X	16A	22	X	Z		9.4
19	X	24	FM19				5.9	85	X	18	26				9.5
20	X	24	Z				6.3	86	X	16A	24	X	Z		11.2
21	X	20	Z	X	Z		7.1	87	X	16A	26	X	Z		14.0
22	X	FM19	X	Z	X	FM19	8.2	88	X	16A	28	X	Z		15.3
23	X	26					8.6								
24	X	Z	X	Z			8.6	89	X	22	18	21			6.4
25	X	26	FM19				8.7	90	X	22	X	Z			7.3
26	X	26	Z				9.1	91	X	22	Z	X	Z		7.8
27	X	Z	X	FM19	X	Z	9.3	92	X	22	X	22	Z		8.2
28	X	Z	X	Z	X	Z	10.3	93	X	24	18	21			8.2
								94	X	24	X	Z			9.1
29	19	21					2.7	95	X	24	Z	X	Z		9.6
30	19	FM19					3.1	96	X	24	X	22	Z		10.0
31	19	Z					4.1	97	X	26	18	21			11.0
32	19	21	X	21			4.6	98	X	24	X	24	Z		10.8
33	19	22	Z				5.1	99	X	26	X	Z			11.9
34	19	21	19	21			5.2	100	X	28	X	Z			13.2
35	19	FM19	X	FM19			5.5								
36	19	FM19	19	FM19			6.1	101	X	21	X				3.2
37	19	23	Z				6.2	102	X	FM19	X				3.6
38	19	24	Z				6.9	103	X	Z	X				4.7
39	19	Z	19	FM19			7.1	104	19	FM19	19				5.0
40	19	Z	X	Z			7.6	105	19	Z	19				6.1
41	19	Z	19	Z			8.2	106	X	17	X	16			6.7
42	19	26	Z				9.7	107	X	19	Z	16A			7.4
								108	X	15	X	16			7.9
43	18	FM19					3.2	109	X	18	Z	17			8.1
44	18	Z					4.1	110	X	18	24	Z	X		8.4
45	18	22	Z				5.1	111	X	20	Z	21	23	FM19	18
46	18	21	18	21			5.1	112	X	17	Z	17			9.9
47	15	FM19					5.8	113	X	15	Z	17			10.7
48	18	23	Z				6.2	114	X	15	Z	19	15		11.6
49	18	FM19	18	FM19			6.3								
50	17	22	Z				6.6	115	X	21	18				3.9
51	18	24	Z				6.9	116	X	22	X				5.1
52	17	FM19	19	FM19			7.6	117	X	23	X				6.3
53	15	22	Z				7.7	118	19	22	X	19			6.7
54	17	23	Z				7.7	119	19	23	19				7.6
55	18	Z	18	Z			8.1	120	19	24	19				8.3
56	17	24	Z				8.4	121	X	24	X	16A			9.1
57	17	FM19	17	FM19			9.1	122	19	26	X				10.5
58	18	26	Z				9.7								
59	17	Z	19	Z			9.7	123	20	21	18				3.4
60	17	26	Z				11.2	124	20	Z	20				3.8
61	17	Z	17	Z			11.2	125	18	FM19	X	18			5.3
62	20	21					1.5	126	16A	FM19	X	19			6.4
63	20	FM19					2.0	127	17	FM19	X	18			6.9
64	20	Z					3.0	128	17	21	17				7.6
65	20	FM19	20	FM19			3.8	129	18	Z	15				8.6
66	20	22	Z				4.0	130	17	Z	17				9.2
67	20	23	Z				5.1	131	15	Z	17				10.3

132	16A						3.2	179	FM19	X	Z						4.6
133	17						3.6	180	Z	X	Z						5.6
134	X	16					4.0	181	Z	19	Z						6.3
135	15						4.7	182	Z	X	18	Z					6.5
136	12						6.1	183	Z	X	16A	Z					7.4
137	10						7.2	184	Z	X	Z	X	FM19				8.0
138	11	14	9				8.9	185	Z	X	14	Z					8.9
139	5						9.8	186	Z	19	Z	19	Z				10.3
140	10	17	10				11.0	187	Z	17	Z	X	Z				11.3
141	5	9	5				12.3	188	Z	X	Z	X	Z	X	Z		12.5
142	5	11	5				13.4	189	Z	19	Z	19	Z	19	Z		14.4
143	FM19	X					2.4	190	21	X	21						2.7
144	FM19	19					3.1	191	21	19	21						3.3
145	Z	X					3.4	192	22	X	21						4.6
146	Z	19					4.1	193	22	19	21						5.3
147	Z	X	FM19	X			5.8	194	23	X	21						5.8
148	Z	X	Z	X			6.9	195	24	X	21						6.5
149	Z	19	Z	19			8.2	196	24	19	21						7.1
150	Z	X	FM19	19	FM19	19	9.5	197	24	22	23	X	21				7.7
151	Z	X	Z	X	Z	X	10.3	198	24	22	24	X	21				8.4
152	Z	19	Z	19	Z	19	12.3	199	26	X	21						9.3
								200	26A	X	21						10.0
153	21	X					2.0	201	26A	19	21						10.6
154	21	19					2.7	202	28	19	21						11.2
155	22	X					3.9										
156	22	19					4.6	203	22	Z							3.2
157	23	X					5.1	204	22	Z	X	21					5.2
158	24	X					5.8	205	22	FM19	19	21					5.4
159	24	19					6.5	206	21	FM19	X	21	FM19	X	21	FM19	6.1
160	24	22	23	X			6.9	207	FM19	19	21	19	21				6.3
161	24	22	24	X			7.6	208	22	FM19	X	21	X	21			6.8
162	26	X					8.6	209	22	X	22	Z					7.0
163	26A	X					9.3	210	24	Z	X	21					7.0
164	26A	19					9.9	211	22	Z	X	22	Z				7.5
165	28	19					10.6	212	22	X	22	21s	Z				8.0
								213	26	Z	X	21					9.8
166	21	20	FM19	20			3.4	214	24	X	Z	X	21				10.0
167	21	20	FM19	19			4.5	215	26	X	Z	X	21				12.8
168	FM19	19	21	19			5.6										
169	22	X	FM19	X			6.3	216	FM19s	22	Z						3.3
170	22	X	Z	X			7.3	217	FM19s	24							4.7
171	23	X	Z	X			8.5	218	22s	22A	Z	22A	22				5.7
172	24	X	Z	X			9.2	219	FM19s	22A	Z	22A	22				5.9
173	24	19	Z	X			9.8	220	FM19s	26							7.5
174	26	X	FM19	X			11.0	221	22s	22A	Z	22A	Z	22A	22		7.8
175	26	X	Z	X			12.0	222	FM19s	26A							8.1
176	26A	X	Z	X			12.7	223	FM19s	28							8.8
								224	FM19s	24	22	26					9.3
177	FM19	X	FM19				3.5	225	FM19s	28	22	24					10.6
178	FM19	19	FM19				4.1	226	FM19s	26	22	26					12.1

Navigation Mark Descriptions:

- "A" CRA YELLOW or ORANGE Inflatable, or ORANGE autonomous mark, South of the middle of Harbor Island
- "X" CRA YELLOW or ORANGE Inflatable, South of the west end of Harbor Island
- "Z" CRA YELLOW or ORANGE Inflatable, Southeast of the Embarcadero, near Star of India
- FM19 Cement Fleet Mooring Buoy, SSE of the east end of Harbor Island

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		

