

## 2008 BARUSCH/CASTAGNA

### PACIFIC COAST YACHTING ASSOCIATION & THE SAN DIEGO CRUISER ASSOCIATION

#### BARUSCH/CASTAGNA REGATTA INSTRUCTIONS – MAY 31, 2008

#### **START: STANDING START @ CHANNEL BUOY (CB) 16 (R"16"FI R 2.5s) ABEAM TO PORT.**

From a Standing Start, proceed northeast, passing CB 16A (R"16A"Q R), CB 18 (R"18" FI R 4s) and CB 20 (R"20" Q R) each abeam to PORT. Then proceed to Route Point 1 at: Latitude 32° 43.206' N, Longitude 117° 11.625' W.

Suggested heading for the route point is Navy Mooring Buoy 19 (W "19" Navy). ***Current location of NMB 19 (not as shown on the chart) is: Latitude 32° 43.262' N, Longitude 117° 11.406' W.*** The route point is achieved when Green CB 21 (G "21" Q G) aligns with the Aero Beacon on North Island ("AERO Rotating W&G").

#### **RP – 1: Latitude 32° 43.206' N, Longitude 117° 11.625' W.**

At Route Point 1, turn to STBD, pass red CB 22 (R"22" FI R 4s), and proceed to Route Point 2 at CB 24 (R"24" FL R 4s) abeam to STBD.

#### **RP – 2: CB 24 (R"24" FI R 4s) Abeam to STBD.**

Then proceed **DIRECT** to CHECK POINT 1, passing under the Coronado Bay Bridge between piers 16 and 17. CHECK POINT 1 is achieved when aligned with the Glorietta Bay Entrance Channel Range (iso G 6s 21 ft and QG 11ft) while heading to the green channel PORT side entrance buoy ("G1" FL G 4s).

#### **CP – 1: LATITUDE 32 ° 41.225' N, LONGITUDE: 117 ° 09.219' W**

At CHECK POINT 1, turn to PORT and proceed **DIRECT** to Route Point 3 at red CB 28 (R"28"FI R 4 s) is ABEAM to PORT.

#### **RP – 3: CB 28 (R"28" FI R 4s) Abeam to PORT.**

At Route Point 3, turn to STBD and begin a predicted timed run for a distance of 1.000 nm. to Blind Point 1 on an approximate ship's compass course of 225 ° M. Heading to the Blind Point is a dark diamond marker approximately 18 ft. high, located on the ocean side of the Silver Strand highway.

The coordinates of the marker are: at Latitude 32° 39.784' N, Longitude 117° 09.512' W. The Marker is shown only on NOAA Chart No.18765, Approaches to San Diego

#### **BP – 1: LATITUDE 32 ° 40.045' N, LONGITUDE: 117 ° 09.023' W**

At the conclusion of the predicted run time to achieve Blind Point 1, turn to PORT and proceed to Route Point 4 at Red CB 34 (R "34" FL R 2.5s) ABEAM to PORT.

#### **RP – 4: Red CB 34 (R"34" FI R 2.5s) Abeam to PORT.**

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After achieving Route Pt. 4, proceed **DIRECT** to CHECK POINT 2. Heading is the tip of Navy Pier 4. Range is alignment with the south side of Navy Pier 6.

**Chart Buoy Discrepancy:** The chart of San Diego Bay indicates that there is a small orange and white private buoy (W Or FI Priv) marking a possible obstruction just northwest of red channel buoy 34 (Route Pt.4). This buoy has moved to the northeast, and at last report is in position 32 Deg. 39.520 N Latitude, 117 Deg. 07.639 W Longitude. There are no indications that the marked obstruction has moved. It appears that the buoy has been blown or dragged off its charted location. Contestants should be vigilant when heading to CHECK POINT 2, so their boat does not approach too close to the buoy.

### **CP – 2: LATITUDE 32° 40.457' N, LONGITUDE: 117° 07.750' W**

From CHECK POINT 2, turn to PORT and proceed **DIRECT** on a ships compass course of 300° M to CHECK POINT 3. The route will transit under the Coronado Bay Bridge between Bridge piers 19 and 20, pass green CB 23 (G"23" FI G 4s) to PORT, and pass Navy Mooring Buoy 19 (W"19" NAVY) close aboard to PORT. CHECK POINT 3 is achieved when heading toward the north wing of the Sheraton East Hotel and aligned with a range created by the East Mile Markers near the east end of Harbor Island.

### **CP – 3: LATITUDE 32° 43.306' N, LONGITUDE: 117° 11.445' W**

After achieving CHECK POINT 3, turn to PORT to a ships compass heading of 257° M toward the northern tip of the America's Cup Harbor. Route Pt. 5 is accomplished when ABEAM of Tom Ham's Lighthouse (FI 4s 56 Ft 8M) to STBD.

### **RP – 5: LATITUDE 32° 43.314' N, LONGITUDE: 117° 12.791' W.**

At Route Point 5, turn to PORT and proceed **DIRECT** to Route Point 6 at CB 17 (G"17"FI G 4s), Abeam to PORT.

### **RP – 6: CB 17 (G"17" FL G 4s) Abeam to PORT**

At Route Point 6, turn to PORT and proceed to Route Pt. 7 at CB 15 (G"15"FL G 2.5s) passing the buoy Abeam to Port.

### **RP – 7: CB 15 (G"15"FL G 2.5s) Abeam to PORT**

At Route Point 7, turn to PORT and proceed **DIRECT** to CHECK POINT 4 at the end of the Zuniga Jetty (FL 2.5s 28ft 6M "Z" Horn), within 50 Yds. ABEAM to PORT.

### **CP – 4: ZUNIGA JETTY LIGHT (FL 2.5s 28ft 6M "Z" HORN) ABEAM TO PORT.**

At CHECK POINT 4, turn to PORT heading to Route Point 8, Navy Buoy TG1 ("TG-1" Navy PA). *The current location of TG1(not as shown on the chart) is Latitude 32° 38.980' N.; Longitude 117° 10.767' W.* Pass TG-1 ABEAM to PORT.

### **RP – 8: Navy Buoy TG1 ("TG-1" Navy PA) Abeam to PORT.**

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At Route Point 8, begin a predicted time BLIND POINT 2 run for a distance of 0.800 NM on an approximate ship's compass course of 039° M. Heading for the blind point run is the diamond marker on the Silver Strand Beach as described above for Blind Point 1..

### **BP – 2: LATITUDE 32° 39.444' N, LONGITUDE: 117° 10.024' W)**

At the end of the predicted time for the blind point run, immediately turn to STBD. on a **DIRECT** course to CHECK POINT 5. Heading is the center of the antenna array in Imperial Beach. CHECK POINT 5 is called when the "Lookout Tower" on the beach near the Coronado Cays community is ABEAM to PORT.

### **CP – 5: LATITUDE 32° 37.713' N, LONGITUDE: 117° 08.973' W.**

After calling CHECK POINT 5, turn to STBD toward Route Pt. 9, CB "SD," ((RW "SD" Mo (A) WHIS RACON (--)).

### **RP – 9: CB SD (RW "SD" Mo (A) WHIS RACON (--)) Abeam to STBD.**

Following Route Point 9, turn to STBD to CHECK POINT 6, at Latitude 32° 38.314' N, Longitude 117° 14.696' W. Heading to CHECK POINT 6 is the Point Loma Light (FI 15s 88ft. 22M HORN). CHECK POINT 6 is achieved when Green CB 3 (G "3" FI G 6s) aligns with Red CB 4 (R "4" Q R BELL) to STBD.

### **CP – 6: LATITUDE 32° 38.314' N, LONGITUDE: 117° 14.696' W.**

At CHECK POINT 6, turn to STBD and continue to Route Pt. 10, CB 5 (G"5"FL G 2.5s), Abeam to STBD.

### **RP – 10: Green CB 5 (G"5" FI G 2.5s), Abeam to STBD**

At Route Point 10, turn to PORT, and proceed on a **DIRECT** course to the **FINISH**. Enroute to the FINISH, contestants will pass Green CB 07 (G"7" FI G 4s), Green CB 09 (G"9" FI G 2.5s), and Green CB 11 (G"11" FI G 4s) close aboard to your STBD. **FINISH** when Ballast Point light (FL 4s 16ft 10M "B" HORN) is abeam within 50 yds. to PORT.

### **FINISH : BALLAST POINT LIGHT (FL 4s 16ft 10M "B" HORN) ABEAM to PORT.**

**PASS ALL ROUTE POINTS & CHECK POINTS WITHIN 50 YDS. LATITUDE / LONGITUDE COORDINATES AND COMPASS HEADINGS FOR BLIND POINTS ARE APPROXIMATE AND MAY NOT BE PRECISELY ACHIEVED AS A RESULT OF COMPENSATION FOR TURN DISTANCES AND CURRENT.**

**Approximate Race Distance = 33.1 NM.**

### **REGATTA SUMMARY:**

START: STANDING START @ CB 16 (R"16"FI R 2.5s) ABEAM TO PORT.

CP – 1: LATITUDE 32° 41.225' N, LONGITUDE: 117° 09.219' W

CP – 2: LATITUDE 32° 40.457' N, LONGITUDE: 117° 07.750' W

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CP – 3: LATITUDE 32° 43.306' N, LONGITUDE: 117° 11.445' W  
CP – 4: ZUNIGA JETTY LIGHT (FI 2.5s 28ft 6M “Z” HORN) ABEAM TO PORT.  
CP – 5: LATITUDE 32° 37.713' N, LONGITUDE: 117° 08.973' W.  
CP – 6: LATITUDE 32° 38.314' N, LONGITUDE: 117° 14.696' W.  
FINISH: BALLAST POINT LIGHT (FL 4s 16ft 10M “B” HORN) ABEAM to PORT.

RP – 1: Latitude 32° 43.206' N, Longitude 117° 11.625' W.  
RP – 2: CB 24 (R”24” FI R 4s) Abeam to STBD.  
RP – 3: CB 28 (R”28” FI R 4s) Abeam to PORT.  
RP – 4: RED CB 34 (R”34” FI R 2.5s) Abeam to PORT.  
RP – 5: Latitude 32° 43.314' N, Longitude: 117° 12.791' W.  
RP – 6: CB 17 (G”17” FI G 4s) Abeam to PORT  
RP – 7: CB 15 (G”15”FI G 2.5s) Abeam to PORT  
RP – 8: Navy Buoy TG1 (“TG-1” Navy PA) Abeam to PORT  
RP – 9: CB SD (RW “SD” Mo (A) WHIS RACON (--)) Abeam to STBD.  
RP – 10: Green CB 5 (G”5” FI G 2.5s), Abeam to STBD

Blind Point 1 Course 225° M; Distance 1.000 nm. From Route Point 3.

Blind Point 2 Course 039° M; Distance 0.800 nm. From Route Point 8.

### HEADINGS:

Navy Mooring Buoy 19	Latitude 32° 43.268' N, Longitude 117° 11.405' W.
Diamond Marker on Silver Strand	Latitude 32° 39.784' N, Longitude 117° 09.512' W.
Antenna Array (Center)	Latitude 32° 35.610' N, Longitude 117° 07.743' W.
Point Loma Light	Latitude 32° 39.905' N, Longitude 117° 14.562' W

### CHARTS

- 1) San Diego Bay #18773, 40<sup>th</sup> Ed. Dec. '05.
- 2) Approaches to San Diego Bay #18772, 48<sup>th</sup> Ed. Dec.'05.
- 3) Approaches to San Diego Bay #18765, 16<sup>th</sup> Ed. Jan '05.