

2023 North American Invitational Navigation Contest

September 23, 2023 – rev 2023/09/15

SPECIAL RULES (as amended 09/15/23)

Introduction: This contest shall be conducted under the Standard Rules of the International Power Boat Association, Latest Edition, as modified by these Special Rules. A copy of the Standard Rules is available on the IPBA website at www.ipbalogracing.org.

IPBA Rules require that Contestants operate in a safe manner in compliance with all Pilot Rules, Rules of the Road and Navigational Laws, including local laws enacted by proper authority applicable to the Contestant's cruiser in the area where the Contestant is operating (rule 8i). Failure to comply with the Rules of the Road results in a 1% penalty or disqualification (Rule 14a).

Because the federal government has elevated the national risk of terrorism, special restrictions governing marine traffic are in effect. This effects the separation that must be maintained between pleasure vessels and certain military and commercial ships. These restrictions apply to Washington State Ferries.

Contestants must comply with the Coast Guard's "Puget Sound Orca Whale Avoidance rules: (1) Cause a vessel or other object to approach, in any manner, within two hundred yards of a southern resident orca whale. (2) Position a vessel to be in the path of a southern resident orca whale at any point located within for hundred yards of the whale. This includes intercepting a southern resident orca whale by positioning a vessel so that the prevailing wind or water current carries the vessel into the path of the whale at any point located within four hundred yards of the whale, (3) Fail to disengage the transmission of a vessel that is within two hundred yards of a southern resident orca whale; or (4) Feed a southern resident orca whale.

(2) **Observers/Scrutinizers:** Observers and Scrutinizers will be provided for all contestants. Observers and Scrutinizers are honored guests on your boat; please plan to provide them with lunch. Please make them feel welcome and take the time to let them know the results of your race.

(3) **Logs:** Predicted Logs and Contest Logs shall be completed in ink and shall be submitted to the Contest Committee via email no later than 0700 Saturday (09/23/2023). The completed and signed (Contestant, Observer & Scrutinizer) Contest Log shall be returned to the Contest Committee at POYC before 1600 on Saturday 09/23/2023. Contest Logs shall be accepted only when submitted with signatures of Contestant and the Observer/Scrutinizer. **NOTE:** Contestants may be penalized if data is not entered correctly in all shaded areas on the logs. It is recommended that the error in seconds and percentage of error be calculated by the Contestant and entered in the Contest Log before the Contest Log is returned to the committee.

(4) **IBPA Number Placards:** IBPA numbers must be displayed port, starboard, and astern, and be visible. IBPA number placards will be made available for display on "Contest Vessels".

(5) **Time:** Time shall be Pacific Daylight Time. The official time will be GPS time.

(6) **Stop Watches:** A stopwatch shall be allowed only for **timed runs**, time allowances (**time outs**), and verification of reading the Official Start Time by the Observer in accordance with Rule 8.0. The stopwatch shall be stopped and cleared when its use is no longer permitted.

(7) **Throttles**: Throttles may be adjusted during the contest to vary the RPM from the RPM shown on the log by no more than plus 10% and minus to idle with transmissions maintained “**engaged in forward gear**”.

(8) **Handicap**: The current IPBA handicap as set forth in the Standard Rule Book shall be employed to calculate a net percentage of error. For predicted speeds of less than 7 knots, the handicap for 7 knots shall be used. For predicted speeds of more than 23 knots, the handicap for 23 knots shall be used. Predicted speed in knots is determined by multiplying the official mileage by 3600 and dividing by the total number of seconds predicted by the contestant to complete the course. Predicted speed shall be rounded off to the nearest 1/10th of a knot.

(9) **Flat Water Speed**: Flat water speed is the speed of the cruiser at the basic RPM shown on the Log without consideration for wind, sea conditions, or current.

(10) **Navigational Aids**: Radar **MAY NOT** be used for contest navigational purposes, but may be used at any time the skipper deems it necessary for safety purposes (See IBPA Rule No. 9-Safety Rule). Chart plotters and electronic charts may be used to replace small-scale printed charts as long as the chart plotter or computer is NOT connected to GPS and does NOT display speed, time or position information (SOG, COG, Time of Day, Tracking or latitude/longitude). NOTE- Be sure that event marks (such as pressing F5 key on Nobeltec and Coastal Explorer) do not display Time of Day. If electronic charting is used, a large-scale printout of the course layout must be made available to the observer. Auto pilots and depth sounders may be used as long as they do not receive active GPS signals. Electronic ranging devices may not be used. Cellular telephones may not be used. An electronic data logger may be used to record your track, and supplied to the judges if needed.

(11) **Chart**: The recommended charts for this contest are **18474** and **18449**. **The Official Mileage for this contest is 26.6 nautical miles, which cannot be exceeded.**

(12) **VHF Channel 9** has been adopted by IPBA for all pre-race communication. Monitor VHF 9 before the race and VHF 16 during the race.

(13) **Chartlet** The attached chartlets are intended to assist you in planning your course. It is not suitable for navigation. The written Course Instructions and Special Rules take precedence over the information on the chartlet.

(14) **Finish Times**: Finish times will be assigned after the contestants turn in their flat water speed following the time trials on Thursday. The slowest boat’s “Finish Time” will be 1330 (1530 in the event of FOG delay). There will be a 3 minute spacing between finish times for all other boats (fastest being last).

Course Description – 2023

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Route Description (Geographical Mark Details)

Notes:

1. Lat/Lon's for various geographical marks based on "Bing Aerial Photos"

ID	Call the Mark when:	Then proceed AT or ON:	Geo Mark Position Reference	
START	STANDING START RA "E" ABM STB 75 yds"	Cruise Speed	DAY-MARK ON PILING	AS CHARTED
0.1	RA "G" ABM STB 300 yds		DAY-MARK ON PILING	AS CHARTED
0.2	Waterman Dock ABM STB 300 yds		END OF DOCK	47.5734° N 122.5822° W
CP-1	Waterman Pt Lt "11" ABM STB 100 yds.	Proceed at 7 kts or less	LIGHT	AS CHARTED
1.1	Pt Glover Flag Pole ABM STB 100 yds		FLAG POLE	47.5903° N 122.5550° W
1.2	Pt Glover Lt "9" ABM STB 100 yds		LIGHT	AS CHARTED
1.3	Watauga Pt Fir Tree ABM STB 200 yds		Single Fir Tree (in front of small house)	47.5870° N 122.5481° W
1.4	Middle Pt ABM STB 100 yds		Short rock bluff at north edge	47.5780° N 122.5447° W
CP-2	Orchard Pt Lt ABM STB 200 yds.	Resume Cruise Speed on COG 154T to North Blake Isl. Range.	LIGHT	AS CHARTED
2.1	Range N side Blake Isl/NW Tip Blake Isl to PORT	Proceed COG 177T to Harper Fry Pier ext.	Sand-spit (high tide) NW Blake Isl	47.5447° N 122.5055° W
2.2	Harper Ferry Pier Extension 65T to STB	Proceed on Timed Run #1 COG 111T for 0.900 nm	Harper Ferry Pier end	47.5224° N 122.5180° W
2.3	Timed Run #1 END			
CP-3	Southworth Ferry NE Dol Light "B" ABM STB 300 yds.		NE DOL Light "B"	AS CHARTED
3.1	Private Pier EXT at 115T to STB 250 to 350 yds	Commence Timed Run 2 at COG 203T for 1.0 nm.	End of Private Pier	47.4815° N 122.5187° W

3.2	Timed Run #2 End			
CP-4	Colvos Light 3 ABM STB at 200 yd.		LIGHT	AS hinCHARTED
4.1	Peter Point S shoreline Range 325T to STB 250-350 yds off the point.		SHORELINE	
4.2	Ridgeline EXT 315T of House N of Colvos Peter Point to STB 500-600 yds off NW end of ridgeline		House Ridgeline NW end	47.4816° N 122.4813° W
CP-5	Pt Vashon Light ABM STB 300 yds		LIGHT	AS CHARTED
5.1	Blake Island East Light ABM PRT at 500 yds		Blake Island East Light	AS CHARTED
5.2	Blake Isl Lt "1" ABM PORT no closer than 300 yd		LIGHT	AS CHARTED
CP-6	R-4 Buoy ABM STB 25 yds.	Proceed at 7 kts or less	BUOY	AS CHARTED
6.1	R-6 Buoy ABM STB 25 yds		BUOY	AS CHARTED
6.2	R-8 Buoy ABM STB 25 yds		BUOY	AS CHARTED
6.3	Pt Glover Flag Pole ABM PORT 500 yds		FLAG POLE	47.5903° N 122.5550° W
CP-7	Pt White Light "10" ABM STB 75 yds.	Resume Cruise Speed	LIGHT	AS CHARTED
7.1	Waterman Pt Lt "11" ABM PORT no closer than 500 yds		LIGHT	AS CHARTED
7.2	East Bremerton Gazebo ABM STB 300 yds		GAZEBO	47.5686° N 122.6081° W
FINISH CP-8	Point Herron Light "12" ABM STB 200 yds		LIGHT	AS CHARTED

Upon reaching the finish, proceed at NO WAKE SPEED, returning to the Port Orchard Yacht Club Marina or other location.

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Route Description (Individual Leg Details)

Leg	Name	Brg (True)	Brg (Mag)	Dist	Tot. Dist.	Latitude	Longitude
START	Standing Start - RA "E"					47.551	122.619
0.1	RA-G	58.7	43.4	0.567	0.567	47.555	122.607
0.2	Waterman Dock	37.3	22.0	1.480	2.047	47.575	122.585
CP-1	Waterman Pt Lt	42.7	27.4	0.812	2.858	47.585	122.571
1.1	1.1 Pt Glover Flag Pole	60.2	44.9	0.729	3.588	47.591	122.556
1.2	Pt Glover Lt	88.7	73.4	0.204	3.792	47.591	122.551
1.3	Watauga Pt Fir Tree	136.5	121.2	0.250	4.042	47.588	122.546
1.4	Middle Pt	169.0	153.7	0.608	4.650	47.578	122.543
CP-2	Orchard Pt Lt	143.1	127.9	0.898	5.548	47.566	122.530
2.1	Range N side Blake Isl/NW Tip Blake Isl	154.0	138.7	1.475	7.022	47.544	122.514
2.2	Harper Ferry Pier Ext. 65T	177.0	161.8	1.205	8.227	47.524	122.513
2.3	TR #1 END	111.0	95.8	0.900	9.127	47.519	122.492
CP-3	Southworth Ferry NE DOL Light "B"	175.4	160.2	0.311	9.438	47.513	122.491
3.1	Private Pier EXT	206.0	190.8	2.207	11.645	47.480	122.515

3.2	TR-2 END	203.0	187.7	1.000	12.645	47.465	122.525
CP-4	COLVOS Light 3	99.6	84.3	0.648	13.292	47.463	122.509
4.1	Peter Point S shoreline Range	23.0	7.7	0.937	14.230	47.478	122.500
4.2	Ridge EXT of House N of COLVOS Peter Point	50.0	34.8	0.707	14.936	47.485	122.487
CP-5	Pt Vashon Light	13.1	357.9	1.783	16.719	47.514	122.477
5.1	Blake Island East Light	2.8	347.5	1.598	18.317	47.541	122.475
5.2	Blake Isl Lt "1"	328.4	313.1	0.332	18.648	47.545	122.479
CP-6	R-4 Buoy	309.8	294.5	2.113	20.762	47.568	122.519
6.1	R-6 Buoy	300.9	285.6	0.696	21.457	47.574	122.534
6.2	R-8 Buoy	342.6	327.3	1.209	22.667	47.593	122.543
6.3	Pt Glover Flag Pole	279.0	263.7	0.460	23.126	47.594	122.554
CP-7	Pt White Light "10"	241.0	225.7	0.594	23.720	47.590	122.567
7.1	Waterman Pt Lt	252.0	236.7	0.226	23.946	47.588	122.572
7.2	East Bremerton Gazebo	226.1	210.8	1.871	25.817	47.567	122.606
FINISH CP-8	Point Herron Light	239.9	224.6	0.325	26.142	47.564	122.613

