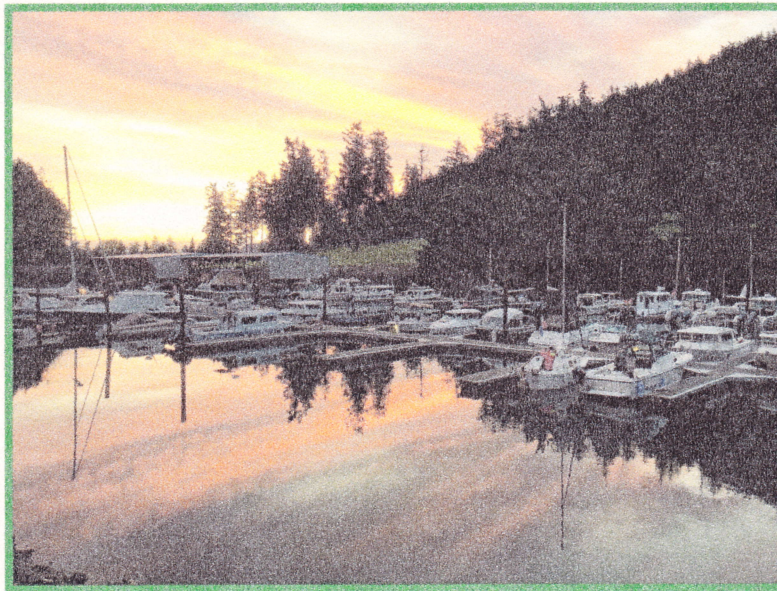


**THE SIXTEENTH ANNUAL
GREAT POTTER YACHTER
NORTHWEST ESCAPE
AND
MESSABOUT**



**MAY
2018**

*“There is nothing – absolutely nothing –
half so much worth doing
as simply messing about in boats.”*

**Kenneth Grahame
“The Wind in the Willows”**

OUR MISSION

**You are the captain of your vessel,
and while we travel with friends, you sail alone.**

**Pottering is a frame of mind
where friends share the fun of sailing small craft.**

**Therefore, our mission is to advance the cause of Potterdom
and make safe harbor.**



Have Fun And Sail Safe!

The enclosed information, graphs, and charts are for planning and reference only. The GPS coordinates have not been verified and the sailing directions are designed to help you in the planning of your route.

Cover: Sunrise at Blakely Island Marina

Photo: ATUS by Derek Jensen

MESSABOUT XVI

May 2018

The Plan: to trailer our intrepid vessels to Olympia, Washington, and sail the South Puget Sound. This will be a more kicked backed cruise with an emphasis on day sailing and flexibility. The plan is to gather at Olympia and day sail, then meander towards Gig Harbor, layover for three nights and day sail, and then meander back to Olympia.

Motto: *Be Flexible!* Suggested options are included in the sail plan. Skippers can split off, gunk hole and explore the area, and then rejoin the Potter Pod as it meanders to Gig Harbor and then returns to Olympia.

Dates: May 14 to May 26. This is the third time the Messabout has gone in May. The plan is to pull out prior to Memorial Day weekend to avoid the crowds. However, **skippers can make their own reservations and stay at Swantown Marina for the Memorial Day weekend.**

Weather: The long-range weather forecast for May calls for warmer and drier weather than normal, and twelve days with some rain. Expect to encounter rain, hopefully, at night.

TRAVEL & SAIL PLAN

Day 1: Monday, May 14. Depart for Olympia, WA. Distance: approximately 750 miles from the Bay area, driving time: approximately 14 hours.

Day 2: Tuesday, May 15. Travel. Arrive Swantown Marina, Olympia., WA.

Day 3: Wednesday, May 16. Day sail out of Swantown Marina.

Day 4: Thursday, May 17. Depart Swantown Marina for Longbranch Marina. (16 nm)

Option 1 : Depart Swantown Marina for Boston Harbor Marina. (6 nm)

Option 2: Depart Swantown Marina for Jarrell's Cove Marine State Park. (16 nm)

Day 5: Friday, May 18. Day sail out of Longbranch Marina.

Option 1: Depart Boston Harbor to rejoin Potter Pod at Longbranch Marina. (10 nm)

Option 2: Depart Jarrell's Cove Marine Park to rejoin Potter Pod at Longbranch. (16 nm)

Option 3: Depart Longbranch Marina for Arabella's Landing, Gig Harbor (16.5 nm) for a longer weekend. Depart NLT 0900 to catch ebb current at 11:16 AM at Tacoma Narrows. Turn at 2:50 PM.

Day 6: Saturday, May 19. Depart Longbranch Marina for Arabella's Landing, Gig Harbor. (16.5 nm). Depart NLT 10:00 AM to catch northerly ebb current at 12:05 PM, at Tacoma Narrows. Turn at 3:41 PM.

TRAVEL & SAIL PLAN (cont.)

Day 7: Sunday, May 20. Layover Gig Harbor. Day sail.

Option 4: Depart Gig Harbor for Blake Island (14.5 nm) and remain overnight.

Day 8: Monday, May 21. Layover Gig Harbor. Day sail.

Option 4: Depart Blake Island for Arabella's Landing, Gig Harbor (14.5 nm) to rejoin Potter Pod.

Option 5: Depart Blake Island for Port Orchard Marina. (9 nm)

Day 9: Tuesday, May 22. Depart Gig Harbor for Longbranch Marina (16.5 nm) Depart NLT 8:00 AM to catch flood current at 9:10 AM at Tacoma Narrows. Turn 11:05 AM.

Option 5: Depart Port Orchard Marina for Poulsbo Marina. (14 nm)

Option 6: Depart Gig Harbor for Penrose Point Marine State Park, Mayo Cove. (14 nm)

Day 10: Wednesday, May 23. Depart Longbranch Marina for Boston Harbor Marina. (10 nm)

Option 6: Depart Penrose Point, Mayo Cove, for Boston Harbor. (14.5 nm)

Option 7: Depart Longbranch Marina for Swantown Marina. (16 nm)

Day 11: Thursday, May 24. Depart Boston Harbor for Swantown Marina. (6 nm)

Option 8: pull out and depart for home **or** stay for Memorial Day Weekend at Swanton Marina. **Reservations required** (make individually).

Day 12: Friday May 25. Travel

Day 13: Saturday, May 26. Arrive home.

DRIVING DIRECTIONS
to
Olympia, Washington

Depart for Olympia, WA, via Portland, OR. The distance to Olympia is approximately 750 miles, 14 hours driving time from the Bay area.

1. **Take I-5 North** approximately 600 miles to the southern edge of Portland, OR.
2. **Stay on I-5 or take I-205 North** (Exit 288) to bypass Portland traffic. Go 37 miles.
3. **Rejoin I-5 North** (Exit 36) - go 96 miles to Olympia WA.
4. **Take Exit 105** toward Port of Olympia. Keep right toward Port of Olympia.
5. **Go 0.2 miles**, take a slight right turn onto Henderson Blvd. SE.
6. **Go 0.7 miles**, turn left onto Plum St. SE.
7. **Go 0.7 miles**, turn left onto Olympia Ave NE.
8. **Go 0.1 miles**, turn right onto Marine Dr. NE.
9. **Go 0.4 miles**, turn right onto Marine Dr. NE.
10. **Go 0.3 miles**, Swantown Marina is on your right.

MESSABOUT XVI

May 2018

Stuff to Know

Sailing Conditions

General. While we will be sailing in fairly protected waters, maintain a reasonable caution. Expect currents associated with flood and ebb tides, with two areas of concern: the Tacoma Narrows and Colvos Passage. Be sure to reference the attached tide and current tables. Generally, flood tides are southerly, flowing away from the Straits of San Juan de Fuca. Conversely, ebb tides are northerly, flowing towards the Straits.

Tacoma Narrows. Sailing the Tacoma Narrows in a microcruiser can be safely done, but attention must be paid to winds and currents. Monitor the weather, check for local knowledge, and use the attached tables for **May** to determine the best time to shoot the narrows. **Do not attempt against a headwind and a counter-current.**

Colvos Passage. This passage on the western side of Vashon Island leads to Blake Island. Follow a mid-channel course. The current for both ebb and flood tides sets north. The currents are weakest at maximum flood tide; therefore, on a southern sail be prepared to either fight the current, or take the much longer route to the east of Vashon Island.

Olympia, WA.

Staying at Swantown Marina is recommended because of location, facilities, and long-term parking. Overnight moorage is also available at Port Plaza and Percival Landing Park. Swantown Marina is less than a mile from Port Plaza, Percival Landing, and downtown Olympia with many restaurants, shops, and marine businesses. **Reservations necessary** if staying over Memorial Day weekend.

Gig Harbor, WA.

We have reservations at Arabella's Landing for three nights over the weekend of May 19 to May 21. Arabella's is a posh marina located in the heart of Gig Harbor, close to many cafes, restaurants, shops, and businesses.

Charts.

1. Waterproof Charts, Puget Sound, #30.
2. NOAA Chart #18448

Stuff to Know (cont.)

Travel to Canada. While not expected:

1. The requirements/procedures are the same as last year. Check www.waggonerguide.com (scroll to bottom of home page and click on US or Canadian Customs) or www.cbp.gov (go to the travel tab and search “Pleasure Boat & Private Flyers”) for updates and useful information.
2. You will need your boat’s registration number and the names, citizenship, birth date, and residence of passengers. **Write down your Canadian Clearance Number.** Check www.cbsa-asfc.gc.ca for updates.
3. Each adult is permitted 40 fluid ounces of liquor, 1.5 liters of wine, or 24 – 12 ounce bottles of beer. **Firearms** are permitted, but you must go to a manned station and fill out a Non-resident Declaration Form. The gun must be unloaded, unable to fire (disassembled), and stored in a locked unit.
4. To reenter the U.S., you will need a passport(s), boat registration, **and the Canadian Clearance Number.** To clear through Port Townsend, you must call ahead for an appointment at (360) 385-3777. See www.portofpt.com for details.

Marine Parks:

Blake Island Marine State Park. (253) 884-3350. Located on northeast shore of the island with breakwater protected marina. First come, first served moorage. Overnight moorage fee (dock or buoy), 30 amp power available for additional \$6.00. A very popular destination, so arrive early as possible. www.parks.state.wa.us/476/Blake-Island

Jarrell’s Cove Marine State Park. (360) 902-8844. Located on inlet on northern side of Harstine Island, and across the cove from Jarrell’s Cove Marina. Restrooms and showers, moorage floats. Moorage fees collected year round. www.parks.state.wa.us/523/Jarrell-Cove

Penrose Point Marine State Park, Mayo Cove. (253) 884-2514. Caution advised when approaching this area due to unmarked shoals. Mooring buoys are in outer Mayo Cove and along the eastern shore towards Delano Bay. Mooring floats are in outer Mayo Cove. Moorage fees collected year round. Lakebay Marina Resort is located at the southern end of Mayo Cove. www.parks.state.wa.us/564/Penrose-Point

Stuff to Know (cont.)

Marinas:

Arabella's Landing, Gig Harbor. (253) 851-1793, 3323 Harborview Dr., Gig Harbor, WA 98332. A classy marina. Restrooms, showers, laundry available. Restaurants within easy walking distance. Call for parking. Moorage \$30 per night. Boat ramp located on NW side of Gig Harbor at the end of Randall Dr. NW. From Arabella's Landing, 2.1 miles by road, .3 nm by water. Limited parking. www.arabellaslanding.com

Boston Harbor Marina. (360) 357-5670, 312 73rd Ave NE, Olympia, WA. Guest moorage, gas, 20 amp power, restrooms. www.bostonharbormarina.com

Jarrell's Cove Marina. (360) 426-8823, 220 E. Wilson Road, Shelton, WA. **Opens on Memorial Day.** Located on Harstine Island opposite Jarrell's Cove State Park. Restrooms, showers, laundry, and a store. Guest moorage with 30 amp power maybe available. Call ahead to confirm.

Lakebay Marina, Mayo Cove. (253) 884-3350. Daily moorage, gas, café, store, lounge, ice, and boat ramp. Moorage fee \$1.00 per foot per night plus \$6 for power. www.lakebaymarina.com

Longbranch Improvement Club Marina, (253) 307-1873, Longbranch, WA. First come, first served guest moorage, portable toilets, no showers, no supplies. Moorage \$1.00 per foot per night, electrical hookups included. www.longbranchimprovementclub.org

Port Orchard Marina. (360) 876-5535. 707 Sidney Pkwy, Port Orchard, WA. Restrooms, showers, guest moorage with 30 amp power. www.portofbremerton.org

Poulsbo Marina. (360) 779-3505. 18809 Front St., Poulsbo, WA. Located in the heart of Poulsbo. Restrooms, showers, laundry, public boat ramp, guest moorage with 30 amp power. www.portofpoulsbo.com

Swantown Marina, (360) 528-8049, 1022 Marine Drive NE, Olympia, WA. Excellent location and all services available. Moorage \$20 per night, launch fee \$5, parking \$4 per night (place receipt on dashboard). **Reservations required for Memorial Day weekend** (make individually), \$5.00 non refundable fee. www.portolympia.com

Zittel's Marina. (360) 459-1950. Located on eastern side of Johnson Point. Gas, 20/30 amp power, guest moorage \$1.00 per night per foot (\$20 minimum). www.zittelsmarina.com

Stuff to Know (cont.)

Anchorage:

Amsterdam Bay. Located on the east side of Anderson Island. Very shallow at low tide with best anchorage near the center of the bay.

Oro Bay. Located on the southern side of Anderson Island. Shallow entrance with good anchorage inside.

Henderson Inlet. Located on the western side of Johnson Point. There is good anchorage inside the entrance in 35 feet of water on a mud bottom. Open to north winds. This is a wildlife conservation area.

Wollochet Bay. Located off Hale Passage. Many private homes and mooring buoy lines. Anchorage is possible near the center, further into the bay where the bay abruptly narrows.

Sailing Directions

The Plan

Swantown Marina to Longbranch (16 nm).

- Clear marina and sail north 6 nm (to clear Budd Inlet) to Boston Harbor.
- Sail northeast 4.5 nm to clear Johnson Point.
- Sail east 2 nm to clear Devil's Head.
- Sail northward for 3.5 nm to Longbranch Marina.

Longbranch Marina to Gig Harbor (16.5 nm).

- Clear Marina and sail east-northeast 3.5 nm into Balch Passage (between McNeil and Anderson Islands).
- Sail northward 12 nm to enter the Tacoma Narrows and then to Gig Harbor. Transit the Tacoma narrows on a northerly ebb tide before current turns. **On Saturday, May 18, the max northerly ebb current is at 12:05 pm and slack is at 3:41 pm.**
- Enter Gig Harbor and sail approximately 1 nm to Arabella's Marina.

Gig Harbor to Longbranch Marina (16.5 nm).

- Clear Gig Harbor (1 nm).
- Sail southward 12 nm through the Tacoma Narrows to Balch Passage. Transit the Tacoma narrows on a southerly flood tide before the current turns. **On Tuesday, May 22, the max southerly flood occurs at 09:10 am and slack at 11:45 am.**
- Sail west-southwest 3.5 nm into Balch Passage to Longbranch Marina.

Sailing Directions

The Plan (cont.)

Longbranch Marina to Boston Harbor Marina (10 nm).

- Clear marina and sail southward 3.5 nm to Devil's Head.
- Sail west for 2 nm to clear Johnson Point.
- Sail southwest for 4.5 nm to Boston Harbor.

Boston Harbor to Swantown Marina. (6 nm)

- Clear Marina and enter Budd Inlet (1 nm).
 - Sail southward 5 nm into Budd Inlet to Swantown Marina.
-

Option One

Swantown Marina to Boston Harbor Marina (6 nm).

- Clear marina and sail north 6 nm to Boston Harbor at the head of Budd Inlet.

Boston Harbor Marina to Longbranch Marina (10 nm).

- Clear marina and sail northeast 4.5 nm to clear Johnson Point.
 - Sail east 2 nm to clear Devil's Head.
 - Sail northward for 3.5 nm to Longbranch Marina.
-

Sailing Directions

Option Two

Swantown Marina to Jarrell's Cove Marine State Park (16 nm).

- Clear marina and sail north 6 nm to the head of Budd Inlet.
- Sail north-northeast (030) for 1.5 nm to enter Peale Passage.
- Sail northward for 7 nm in Peale Passage to round northern tip of Harstine Island.
- Sail east (080) for 1.5 nm to Jarrell's Cove.

Jarrell's Cove Marine State Park to Longbranch Marina (16 nm)

- Sail eastward (060) 1.5 nm to Case Inlet.
- Sail southward 9 nm to round Devil's Head and enter Drayton Passage.
- Sail northward up Drayton Passage 3.5 nm to Longbranch Marina.

Option Three

Longbranch Marina to Gig Harbor (16.5 nm).

- Clear Marina and sail east-northeast 3.5 nm into Balch Passage (between McNeil and Anderson Islands).
 - Sail northward 12 nm to enter the Tacoma Narrows and then to Gig Harbor. Transit the Tacoma narrows on a northerly ebb tide before current turns. **On Saturday, May 18, the max northerly ebb current is at 12:05 pm and slack is at 3:41 pm.**
 - Enter Gig Harbor and sail approximately 1 nm to Arabella's Marina.
-

Sailing Directions

Option Four

Gig Harbor to Blake Island (14.5 nm)

- Clear Gig Harbor (1 nm)
- Sail northward 13.5 nm through Colvos Passage to Blake Island. The State Park is on the east side of Blake Island.

Blake Island to Gig Harbor (14.5 nm)

- Clear the eastern tip of Blake Island and sail southward 13.5 nm through Colvos Passage to Gig Harbor entrance.
 - Enter Gig Harbor and sail 1 nm to Arabella's Landing.
-

Option Five

Blake Island to Port Orchard Marina (9.5 nm).

- Clear moorage and sail around southern tip of Blake Island (.5 nm).
- Sail northwest (325) 4.5 nm along western side of Blake Island and up Rich Passage to Port Orchard Passage. **Watch for ferry traffic.**
- Sail southwest (215) 4.5 nm down Port Orchard Passage to Port Orchard Marina.

Port Orchard Marina to Poulsbo Marina (14 nm).

- Sail northeastward and then northward 12 nm up Port Orchard Passage to Liberty Bay.
 - Enter Liberty Bay and sail northward 2 nm to Poulsbo Marina.
-

Sailing Directions

Option Six

Gig Harbor to Penrose Point Marine State Park, Mayo Cove (14 nm).

- Clear Gig Harbor (1 nm).
- Sail southward 6 nm through Tacoma Narrows to Hale Passage. Transit the Tacoma narrows on a southerly flood tide before the current turns. **On Tuesday, May 22, the max southerly flood occurs at 09:10 am and slack at 11:45 am.**
- Sail westward (280) 4 nm through Hale Passage to Carr Inlet.
- Sail west-southwest 3 nm across Carr Inlet to Mayo Cove.

Penrose Point Marine State Park, Mayo Cove to Boston Harbor (14.5 nm).

- Clear Mayo Cove and sail southward 8 nm through Pitt Passage into Drayton Passage and to Devil's Head.
- Sail west for 2 nm to clear Johnson Point.
- Sail southwest for 4.5 nm to Boston Harbor.

Option Seven

Longbranch Marina to Swantown Marina (16 nm).

- Clear marina and sail southward 3.5 nm to Devil's Head.
 - Sail west for 2 nm to clear Johnson Point.
 - Sail southwest for 4.5 nm to Boston Harbor.
 - Sail southward 6 nm into Budd Inlet to Swantown Marina.
-

GPS Coordinates

(degrees-minutes-seconds)

Amsterdam Bay (anchorage)

47-09-40N
122-43-45W

Arabella's Landing

47-20-00N
122-34-55W

Balch Passage (waypoint)

47-11-00N
122-40-00W

Blake Island (State Park)

47-32-38N
122-29-00W

Boston Harbor (waypoint)

47-08-37N
122-54-30W

Case Inlet

47-18-15N
122-5025W

Colvos Passage (mid point)

47-25-28N
122-31-30W

Devils Head (waypoint)

47-09-47N
122-46-00W

Drayton Passage

47-11-45N
122-43-45W

Gig Harbor (entrance)

47-19-30N
122-34-30W

Hale Passage (east end)

47-15-00N
122-35-00W

Hazel Point (waypoint)

47-41-18N
122-45-36W

Henderson Inlet (anchorage)

47-10-00N
122-50-10W

Jarrell's Cove

47-17-07N
122-53-47W

Johnston Point (waypoint)

47-11-00N
122-49-00W

LakebayMarina

47-15-30N
122-45-20W

Liberty Bay (entrance)

47-42-24N
122-37-30W

Longbranch Marina

47-12-35N
122-45-11W

***** GPS coordinates have not been verified.**

GPS Coordinates

(degrees-minutes-seconds)

Mayo Cove (entrance)

47-16-05N
122-44-25W

Oro Bay (anchorage)

47-08-18N
122-41-45W

Peale Passage

47-10-00N
122-53-07W **P**

Pitt Passage

47-14-30N
122-42-40W

Port Orchard Marina

47-32-42N
122-38

Port Orchard Passage

47-35-26N
122-35-00W

Poulsbo Marina

47-44-00N
122-39-00W

Rich Passage (entrance)

47-34-12N
122-31-40W

Swantown Marina, Olympia

47-03-20N
122-53-47W

Tacoma Narrows Bridge (waypoint)

47-16-00N
122-33-00W

Wallochet Bay (anchorage)

47-16-10N
122-36-00W

Zittel's Marina

47-09-57N
122-48-30W

Tidal Heights at Olympia, Budd Inlet, Puget Sound, Washington

May 2018

47°3.6'N122°54.2'W

	Tide		Tide		Tide		Tide	
Time Zone is PDT	Units are feet							
Tue 01 May	01:24	5.2L	06:39	14.0H	13:36	-1.0L	20:22	14.3H
Wed 02 May	02:09	6.0L	07:11	13.4H	14:10	-1.1L	21:05	14.4H
Thu 03 May	02:55	6.6L	07:46	12.7H	14:47	-0.9L	21:49	14.3H
Fri 04 May	03:45	7.1L	08:23	12.0H	15:27	-0.6L	22:36	14.2H
Sat 05 May	04:43	7.3L	09:06	11.2H	16:10	0.0L	23:26	13.9H
Sun 06 May	05:54	7.4L	09:58	10.4H	16:58	0.7L		
Mon 07 May ☉	00:21	13.7H	07:20	7.0L	11:04	9.7H	17:52	1.4L
Tue 08 May	01:16	13.6H	08:32	6.4L	12:23	9.3H	18:52	2.1L
Wed 09 May	02:06	13.7H	09:18	5.5L	13:43	9.4H	19:54	2.7L
Thu 10 May	02:48	13.8H	09:50	4.5L	14:56	9.9H	20:54	3.2L
Fri 11 May	03:23	14.0H	10:19	3.3L	15:57	10.8H	21:48	3.6L
Sat 12 May	03:56	14.2H	10:48	2.0L	16:51	11.8H	22:37	4.2L
Sun 13 May	04:26	14.4H	11:20	0.6L	17:40	12.8H	23:24	4.7L
Mon 14 May	04:57	14.6H	11:54	-0.7L	18:28	13.8H		
Tue 15 May ●	00:11	5.4L	05:30	14.7H	12:32	-1.9L	19:16	14.6H
Wed 16 May	00:58	6.0L	06:06	14.6H	13:13	-2.7L	20:06	15.1H
Thu 17 May	01:48	6.5L	06:46	14.4H	13:57	-3.2L	20:57	15.4H
Fri 18 May	02:41	6.9L	07:30	13.9H	14:44	-3.1L	21:52	15.5H
Sat 19 May	03:41	7.1L	08:20	13.2H	15:35	-2.6L	22:49	15.4H
Sun 20 May	04:48	7.1L	09:20	12.2H	16:29	-1.7L	23:48	15.3H
Mon 21 May ☉	06:05	6.6L	10:32	11.2H	17:27	-0.5L		
Tue 22 May	00:47	15.2H	07:26	5.7L	11:57	10.4H	18:31	0.8L
Wed 23 May	01:42	15.1H	08:35	4.4L	13:30	10.2H	19:39	2.0L
Thu 24 May	02:31	15.1H	09:30	2.9L	15:02	10.6H	20:47	3.2L
Fri 25 May	03:14	15.0H	10:16	1.6L	16:20	11.4H	21:51	4.2L
Sat 26 May	03:50	14.9H	10:55	0.4L	17:24	12.4H	22:49	5.0L
Sun 27 May	04:24	14.6H	11:30	-0.6L	18:18	13.3H	23:41	5.8L
Mon 28 May	04:55	14.3H	12:03	-1.2L	19:04	13.9H		
Tue 29 May ○	00:29	6.4L	05:26	13.8H	12:35	-1.6L	19:45	14.4H
Wed 30 May	01:15	6.9L	05:58	13.3H	13:07	-1.8L	20:22	14.7H
Thu 31 May	02:00	7.3L	06:32	12.8H	13:42	-1.7L	20:57	14.8H

Tidal Heights at Gig Harbor, Puget Sound, Washington

May 2018

47°20.4'N 122°35.3'W

	Tide		Tide		Tide		Tide	
Time Zone is PDT	Units are feet							
Tue 01 May	00:49	4.8L	06:12	11.4H	13:01	-0.9L	19:55	11.7H
Wed 02 May	01:34	5.5L	06:44	10.9H	13:35	-1.0L	20:38	11.7H
Thu 03 May	02:20	6.1L	07:19	10.4H	14:12	-0.9L	21:22	11.7H
Fri 04 May	03:10	6.5L	07:56	9.8H	14:52	-0.5L	22:09	11.5H
Sat 05 May	04:08	6.7L	08:39	9.1H	15:35	0.0L	22:59	11.3H
Sun 06 May	05:19	6.8L	09:31	8.4H	16:23	0.7L	23:54	11.2H
Mon 07 May ☉	06:45	6.5L	10:37	7.9H	17:17	1.3L		
Tue 08 May	00:49	11.1H	07:57	5.8L	11:56	7.5H	18:17	1.9L
Wed 09 May	01:39	11.1H	08:43	5.0L	13:16	7.6H	19:19	2.5L
Thu 10 May	02:21	11.2H	09:15	4.1L	14:29	8.1H	20:19	2.9L
Fri 11 May	02:56	11.4H	09:44	3.0L	15:30	8.8H	21:13	3.3L
Sat 12 May	03:29	11.6H	10:13	1.8L	16:24	9.6H	22:02	3.8L
Sun 13 May	03:59	11.7H	10:45	0.5L	17:13	10.4H	22:49	4.3L
Mon 14 May	04:30	11.9H	11:19	-0.7L	18:01	11.2H	23:36	4.9L
Tue 15 May ●	05:03	11.9H	11:57	-1.7L	18:49	11.9H		
Wed 16 May	00:23	5.5L	05:39	11.9H	12:38	-2.5L	19:39	12.3H
Thu 17 May	01:13	6.0L	06:19	11.7H	13:22	-2.9L	20:30	12.6H
Fri 18 May	02:06	6.3L	07:03	11.3H	14:09	-2.9L	21:25	12.6H
Sat 19 May	03:06	6.5L	07:53	10.7H	15:00	-2.4L	22:22	12.6H
Sun 20 May	04:13	6.5L	08:53	10.0H	15:54	-1.6L	23:21	12.4H
Mon 21 May ☽	05:30	6.1L	10:05	9.1H	16:52	-0.5L		
Tue 22 May	00:20	12.3H	06:51	5.2L	11:30	8.5H	17:56	0.7L
Wed 23 May	01:15	12.3H	08:00	4.0L	13:03	8.3H	19:04	1.9L
Thu 24 May	02:04	12.3H	08:55	2.7L	14:35	8.6H	20:12	2.9L
Fri 25 May	02:47	12.2H	09:41	1.4L	15:53	9.3H	21:16	3.8L
Sat 26 May	03:23	12.1H	10:20	0.3L	16:57	10.1H	22:14	4.6L
Sun 27 May	03:57	11.9H	10:55	-0.5L	17:51	10.8H	23:06	5.3L
Mon 28 May	04:28	11.6H	11:28	-1.1L	18:37	11.3H	23:54	5.9L
Tue 29 May ○	04:59	11.3H	12:00	-1.5L	19:18	11.7H		
Wed 30 May	00:40	6.3L	05:31	10.9H	12:32	-1.6L	19:55	11.9H
Thu 31 May	01:25	6.7L	06:05	10.4H	13:07	-1.6L	20:30	12.0H

Currents at The Narrows, north end (midstream), Washington

May 2018

47°18.4'N122°33.0'W

	Turn	Max		Turn	Max		Turn
Time Zone is PDT				Units are knots			
Mon 14 May		02:23	3.0F	05:13	08:36	-3.7E	12:04
		15:02	4.3F	18:37	21:27	-2.7E	
Tue 15 May ●	00:35	03:06	2.9F	05:46	09:12	-4.1E	12:42
		15:47	4.9F	19:26	22:12	-2.8E	
Wed 16 May	01:22	03:50	2.9F	06:21	09:50	-4.4E	13:22
		16:32	5.3F	20:14	22:57	-2.8E	
Thu 17 May	02:10	04:35	2.7F	06:59	10:32	-4.6E	14:04
		17:18	5.5F	21:04	23:44	-2.8E	
Fri 18 May	03:00	05:21	2.6F	07:41	11:16	-4.5E	14:50
		18:07	5.5F	21:55			
Sat 19 May		00:35	-2.6E	03:53	06:11	2.4F	08:28
		12:05	-4.3E	15:41	18:58	5.2F	22:49
Sun 20 May		01:31	-2.5E	04:51	07:05	2.2F	09:22
		12:58	-3.9E	16:36	19:52	4.9F	23:44
Mon 21 May ☉		02:35	-2.4E	05:54	08:05	2.0F	10:27
		13:59	-3.4E	17:35	20:48	4.4F	
Tue 22 May	00:39	03:46	-2.5E	06:59	09:10	2.0F	11:45
		15:11	-2.9E	18:40	21:47	4.0F	
Wed 23 May	01:33	04:57	-2.7E	08:02	10:20	2.1F	13:16
		16:36	-2.5E	19:48	22:48	3.6F	
Thu 24 May	02:24	06:00	-3.0E	09:01	11:32	2.5F	14:47
		18:08	-2.3E	20:54	23:46	3.3F	
Fri 25 May	03:11	06:53	-3.4E	09:54	12:38	3.0F	16:07
		19:23	-2.4E	21:57			
Sat 26 May		00:41	3.1F	03:54	07:40	-3.7E	10:42
		13:36	3.5F	17:14	20:24	-2.5E	22:55
Sun 27 May		01:32	2.9F	04:34	08:21	-3.9E	11:26
		14:26	4.0F	18:11	21:17	-2.5E	23:49
Mon 28 May		02:18	2.7F	05:11	08:57	-3.9E	12:07
		15:10	4.3F	19:00	22:04	-2.5E	
Tue 29 May ○	00:39	03:01	2.5F	05:46	09:29	-3.9E	12:46
		15:50	4.5F	19:44	22:46	-2.5E	
Wed 30 May	01:26	03:42	2.3F	06:19	09:59	-3.8E	13:24
		16:28	4.6F	20:25	23:25	-2.4E	
Thu 31 May	02:11	04:22	2.1F	06:51	10:29	-3.7E	14:00
		17:07	4.5F	21:04			

Nominal current direction: **Flood** 136, **Ebb** 334 (degrees true)