



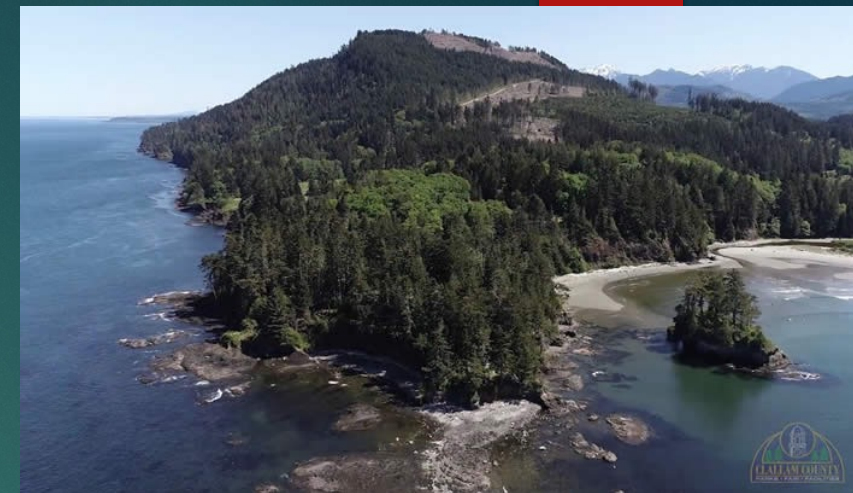
OPCC

Salt Creek / Tongue
Point Field Trip

Friday June 16th 2023

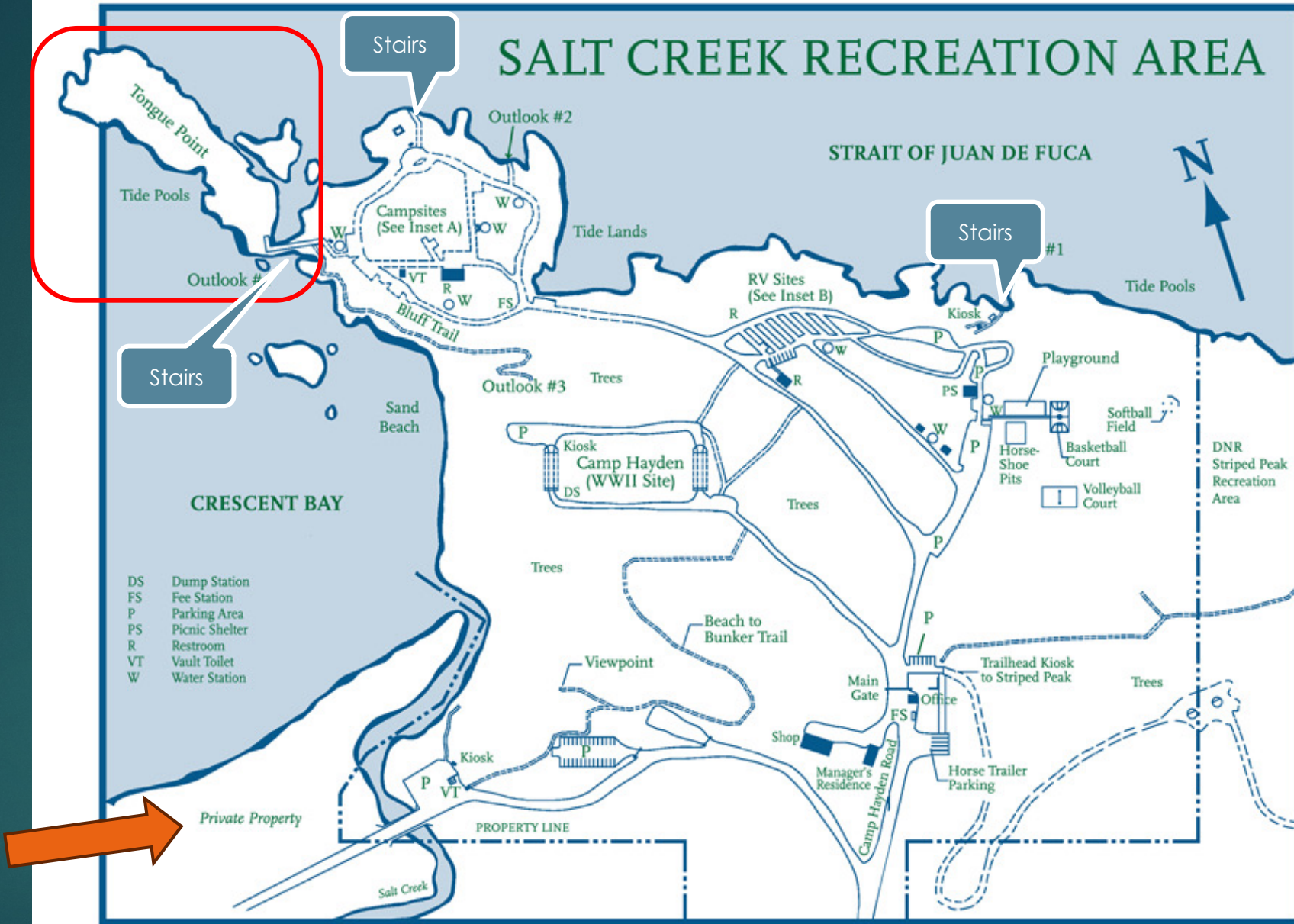
LAST REVISED: MAY 31 2023

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Salt Creek/Tongue Point

- ▶ Date & time: Friday June 16th from from ~7:00AM to ~11:30 AM
 - ▶ Minus ~2 foot low tide ~8:40 AM, ~6 foot high tide ~6PM
- ▶ Tongue Point Overlook can be a good central place to meet
- ▶ Walk on the tongue to view tidepools, walk the beach to salt creek
- ▶ Leashed dogs are allowed in all areas of the park
- ▶ Potential to see sea life, eagles, pigeon guillemots, otters, landscapes, interesting geology
- ▶ Due to limited parking, please car pool and/or shuttle cars to/from outer lots or plan on hiking in to tongue point (flat walk, maybe ½ mile max)

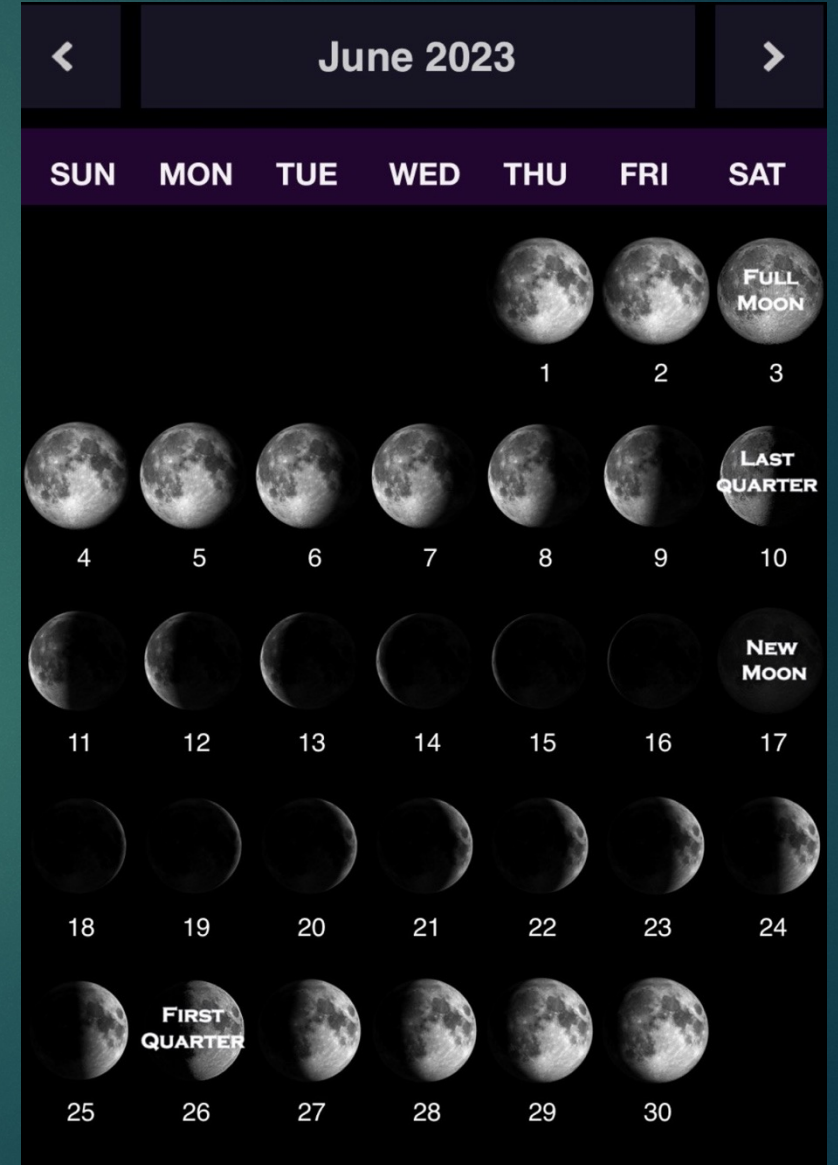
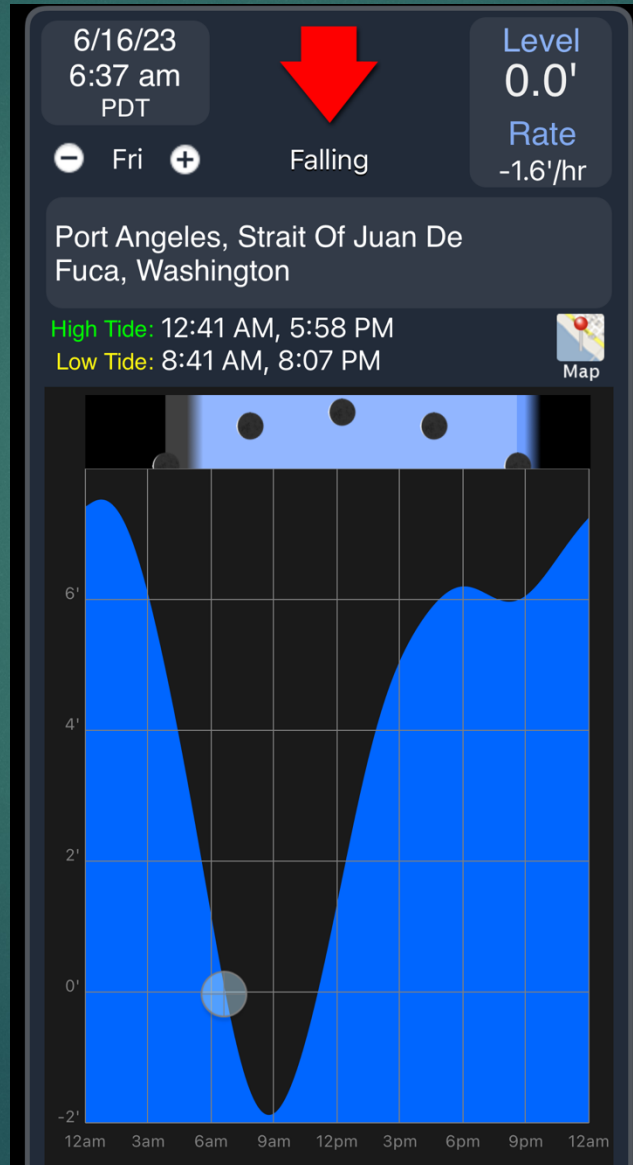


Tide & Moon Charts for June

Port Angeles, Strait Of Juan De Fuca, Washington
June 2023

Day	Time	Ft	Time	Ft	Time	Ft	Time	Ft
Th 1	12:30a	7.1	8:04a	-0.2	3:49p	5.2	7:01p	5.0
F 2	12:47a	7.5	8:39a	-1.2	4:56p	5.8	7:52p	5.6
Sa 3	1:04a	7.8	9:17a	-2.1	5:43p	6.3	8:39p	6.1
Su 4	1:27a	8.1	9:58a	-2.7	6:26p	6.6	9:25p	6.4
M 5	1:57a	8.2	10:41a	-3.0	7:07p	6.8	10:15p	6.5
Tu 6	2:34a	8.1	11:27a	-3.0	7:55p	6.8	11:14p	6.5
W 7	3:15a	7.8	12:15p	-2.7	8:41p	6.8	...	...
Th 8	12:27a	6.3	4:00a	7.1	1:05p	-2.1	9:18p	6.8
F 9	1:54a	5.7	4:52a	6.2	1:55p	-1.2	9:52p	6.8
Sa 10	3:27a	4.8	6:08a	5.1	2:45p	-0.1	10:22p	6.9
Su 11	4:55a	3.6	8:57a	4.0	3:33p	1.1	10:50p	7.1
M 12	5:59a	2.2	11:06a	3.7	4:22p	2.4	11:18p	7.2
Tu 13	6:46a	0.8	2:17p	4.0	5:14p	3.7	11:47p	7.4
W 14	7:26a	-0.4	4:08p	4.9	6:11p	4.7	...	...
Th 15	12:14a	7.5	8:04a	-1.3	5:12p	5.7	7:10p	5.5
F 16	12:41a	7.5	8:41a	-1.9	5:58p	6.2	8:07p	6.0
Sa 17	1:08a	7.5	9:18a	-2.2	6:38p	6.5	8:58p	6.2
Su 18	1:34a	7.4	9:54a	-2.3	7:13p	6.6	9:44p	6.2
M 19	1:56a	7.2	10:32a	-2.2	7:45p	6.5	10:29p	6.2
Tu 20	2:13a	6.9	11:11a	-1.9	8:13p	6.4	11:16p	6.1
W 21	2:34a	6.6	11:50a	-1.5	8:30p	6.3	...	...
Th 22	12:14a	5.9	3:01a	6.2	12:29p	-1.0	8:44p	6.3
F 23	1:23a	5.6	3:27a	5.7	1:07p	-0.3	9:06p	6.3
Sa 24	2:50a	5.0	3:52a	5.1	1:44p	0.4	9:31p	6.4
Su 25	2:14p	1.3	9:56p	6.5	...	...	...	...
M 26	5:06a	3.3	9:03a	3.5	2:40p	2.3	10:20p	6.7
Tu 27	5:37a	2.3	11:09a	3.5	2:01p	3.3	10:42p	6.9
W 28	6:14a	1.2	10:59p	7.1	...	...	...	...
Th 29	6:54a	0.0	11:16p	7.5	...	...	...	...
F 30	7:32a	-1.1	11:41p	7.8	...	...	...	...

Blue = High Tides, Black = Low Tides, Orange = Very Low Tides



Parking (very limited!)

Scale: ~200 feet



Where to meet



Things to consider bringing

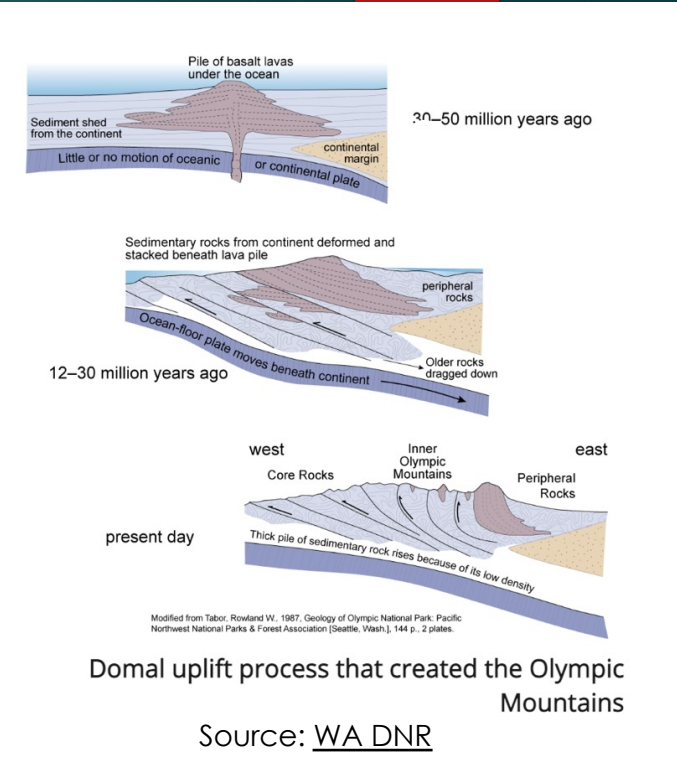
- ▶ Consider macro lens for tidepools, wide angle for landscape, telephoto for birds
- ▶ Sturdy/waterproof/grippy boots – the “tongue” is very rough and slippery
- ▶ Carrying bag/backpack for your photo gear to protect it when scrambling over rocks to/from the stairs
- ▶ Sunscreen, hats

Cautions!!

- ▶ If you choose to walk down and explore Tongue Point, it is very rugged and slippery.
- ▶ There are many hazards that are slippery. Watch out especially for the green "sea lettuce".
- ▶ If you are not comfortable with walking on rugged terrain or with steep stairs, please avoid going down on Tongue Point.
- ▶ You can easily walk out on the Salt Creek Tide flats if you park at the small parking lot at the entrance to Crescent Bay. It's an easy walk on the sand out to the sea stack and Tongue Point (some climbing over rocks required)
- ▶ Tongue Point is a designated Marine Sanctuary. Please tread lightly and do not disturb any marine life.
- ▶ All property west of Salt Creek is private property. Please don't trespass
- ▶ Cell phone coverage can be very spotty at Salt Creek depending on your carrier

Interesting geology to see (1)

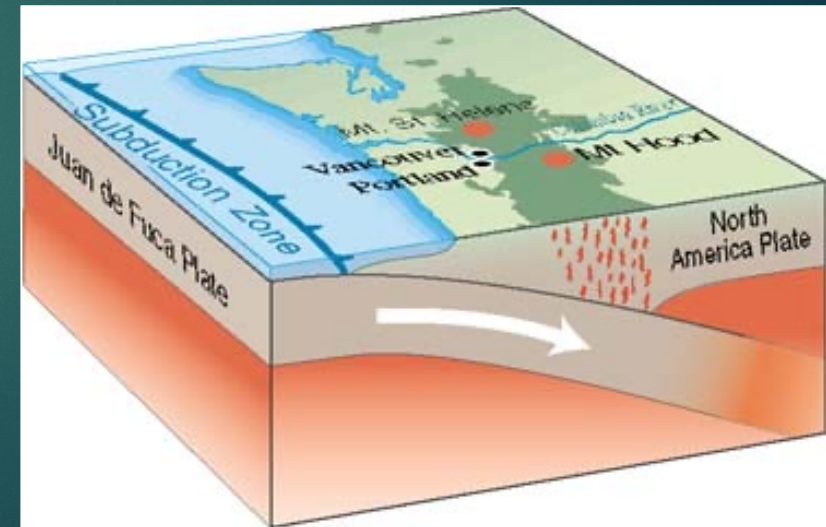
- ▶ Tongue point is a “pillow basalt” formation – underwater lava eruptions millions of years old that cooled very rapidly. Same process is forming the Hawaiian islands today – thick viscous lava eruptions at the seafloor.
- ▶ “Pillow basalts” can also be seen along Hurricane Ridge Road. These were formed underwater millions of years.
- ▶ They have been pushed up to about 4,000 feet above sea level by the Juan de Fuca plate as it “subducts” under and lifts the North American Plate. This lifting process formed the Olympic Mountains!



Mile marker 11 on Hurricane Ridge Road
(~4,000 feet above sea level)



Tongue Point (at sea level)
(Photo source: Kevin Talbot)



Source: [Juan de Fuca Plate - Wikipedia](#)

Interesting geology to see (2)

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- ▶ Fused “heart rock” – about 2 feet across. A piece of granite and gneiss (pronounced “nice”) were fused together by heat, forming a heart shaped rock
- ▶ Most of the large granite and other boulders are “glacial erratics” that came from Canada in the last ice age and were dropped as the ice sheets melted. This is also the case at all the local beaches
- ▶ There is a remnant of an ancient black sand beach south of the west stairs along salt creek



Fused “heart rock”



Typical “glacial erratic”



Ancient black sand beach

Common rocks you will see....



Conglomerate
("natures concrete")



Gabbro



Basalt



Gneiss



Jasper



Sandstone



Slate



Schist



"Pillow" basalt

Interesting things to see

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Gulls & guillemots fishing together



(Photo credit: Kevin Talbot)

