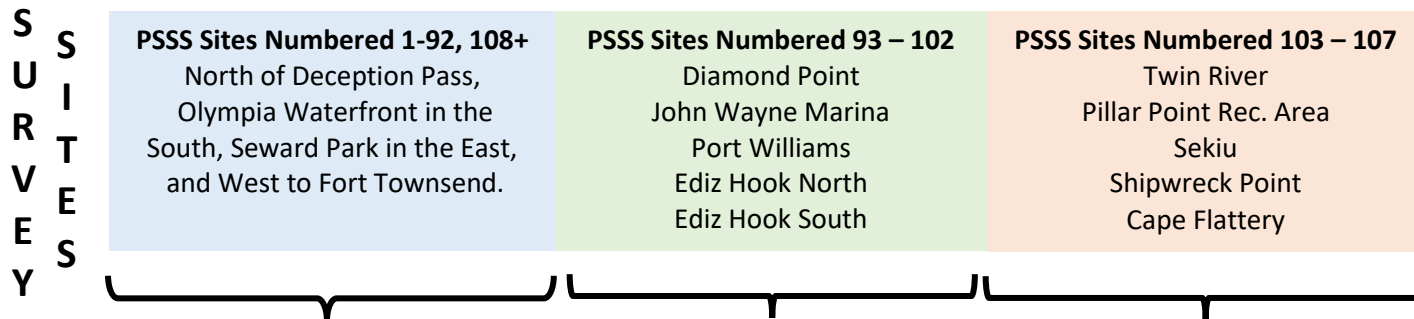


Puget Sound Seabird Survey



4hr Survey Windows for 2018-2019 Season

We ask that you conduct your seabird surveys within four-hour survey windows, centered on the daytime high tides, on the first Saturday of every month, October 2018 through April 2019. Some survey windows have been shifted to start 30 minutes after sunrise or to end 30 minutes before sunset to promote optimum viewing conditions. Due to the significant difference in tide times from the most easterly survey site (Seward Park) to the most westerly site (Cape Flattery), survey sites have been divided into three “tide zones”. To determine which tide zone your survey site falls within, and therefore which set of 4-hour survey windows to utilize, find your site number or site name in one of the three boxed lists below and refer to the table for the time of your 4-hour survey window. **Please be sure to complete your survey(s) within the 4-hour window.**



Survey Date	Tide Zone 1		Tide Zone 2		Tide Zone 3		sunrise	sunset
	high tide	PSSS survey window	high tide	PSSS survey window	high tide	PSSS survey window		
October 6 2018	4:02pm	2:02pm – 6:02pm	1:55pm	11:55am – 3:55pm	11:42am	9:42am – 1:42pm	7:15am	6:38pm
November 3 2018	2:39pm	12:39pm – 4:39pm	12:34pm	10:34am – 2:34pm	10:29am	8:29am – 12:29pm	7:56am	5:48pm
December 1 2018	12:09pm	10:09am – 2:09pm	10:10am	8:15am – 12:15pm*	8:05am	8:15am – 12:15pm*	7:36am	4:19pm
January 5 2019	3:32pm	12:02pm – 4:02pm*	12:45pm	10:45am – 2:45pm	11:39am	9:39am – 1:39pm	7:57am	4:32pm
February 2 2019	2:44pm	12:44pm – 4:44pm	11:56am	9:56am – 1:56pm	10:49am	8:49am – 12:49pm	7:34am	5:12pm
March 2 2019	1:49pm	11:49am – 3:49pm	10:57am	8:57am – 12:57pm	9:49am	7:49am – 11:49am	6:48am	5:55pm
April 6 2019	6:14am	7:08am – 11:08am*	4:55pm	2:55pm – 6:55pm	2:35pm	12:35pm – 4:35pm	6:38am	7:46pm

NOAA tide predictions for: Seattle, WA

Port Angeles, WA

Neah Bay, WA

(Sunrise/set times for Seattle)

*indicates that the survey window required adjustment due to the high tide proximity to sunrise or sunset