

## **Mid-Year Update -- Thank You!**

Once again, Point Blue Conservation Science and your migrating feathered friends would like to THANK YOU, the partners and citizen scientists, for your time and effort in supporting shorebird conservation. The 2016

Pacific Flyway Shorebird Survey was once again a resounding success thanks to your support of this extensive network of surveys that is now a fundamental part of shorebird conservation in the Pacific Flyway.

## **Our Strength is in the Numbers**

Last winter, we surveyed >2500 survey areas, worked with land managers from Canada to Mexico, and trained new citizen scientists to engage in shorebird conservation. The impact of this flyway-scale effort increases each year. In 2016, once again >300 skilled citizen scientists and biologists counted >400,000 shorebirds across California, Oregon, and Washington (see Page 3 for individual survey results)! Partners also contributed data from >350 survey areas in coastal British Columbia, Canada, and 23 estuary sites (>300 survey areas) in Mexico. All data contributes to the [Migratory Shorebird Project](#), a collaborative effort



*Long-billed Dowitchers. Photo by Cory Gregory*

that connects communities across the Americas by monitoring shorebirds in 12 countries from Canada south to Chile with over 40 international partner agencies and organizations. Consistency, determination, and passion for the conservation of shorebirds and the ecosystems on which they depend ensure this research and monitoring effort will continue to make a difference. In the last year, our data were used to inform the [Pacific Americas Shorebird](#)

[Conservation Strategy](#), to evaluate factors influencing the distribution and abundance of shorebirds at the Salton Sea to guide restoration strategies for this critical landscape for waterbirds, and to better understand the impacts of human disturbance on shorebirds in order to guide coastal management in western Mexico.

## **Resources and Data Applications**

Visit our website ([www.pointblue.org/pfss](http://www.pointblue.org/pfss)) and online data summary application under the Explore Data tab ([www.pointblue.org/pfss/exploredata](http://www.pointblue.org/pfss/exploredata)) and the mapping application ([www.pointblue.org/pfss/datamap](http://www.pointblue.org/pfss/datamap)) to learn more about shorebird abundance along the Pacific Flyway. Complete data sets are available for most survey areas upon request.

We look forward to continuing this annual effort with you in 2017 and hopefully beyond. The survey season is approaching quickly – you will be hearing from us again soon!

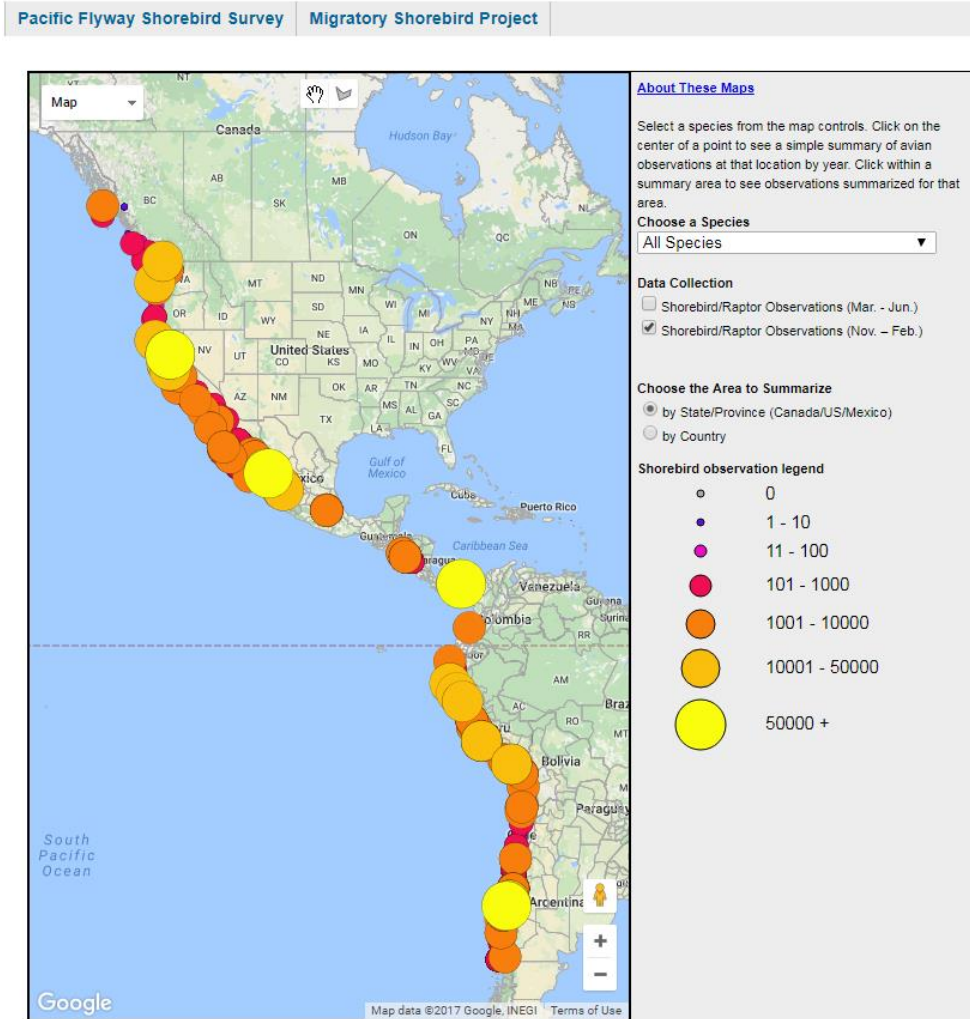
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Interactive online map to explore the network of bird data from Pacific Flyway Shorebird Survey and Migratory Shorebird Survey Project. [www.pointblue.org/pfss/datamap](http://www.pointblue.org/pfss/datamap)





Summary of 2016 Pacific Flyway Shorebird Surveys in the United States, including total sampling units surveyed and total shorebirds counted. TBD indicates a totals to be determined; survey completed but data not submitted.

<b>Project Area</b>	<b>State</b>	<b>Sampling Units</b>	<b>Total Shorebirds</b>
Bodega Harbor	CA	-	TBD
Bolinas Lagoon	CA	18	4961
Bolsa Chica	CA	-	1912
Central Valley	CA	658	8551
Columbia River Estuary	OR/WA	13	3407
Coos Bay	OR	26	1324
Dungeness Bay	WA	7	1111
Elkhorn Slough	CA	6	6137
Fern Ridge	OR	-	TBD
Grays Harbor	WA	16	12704
Guadalupe-Nipomo Dunes	CA	2	358
Humboldt Bay	CA	-	TBD
Kern NWR	CA	42	689
Los Angeles region	CA	7	2965
Los Banos Wildlife Area	CA	140	940
Mendota Wildlife Area	CA	42	354
Morro Bay	CA	14	8202
Mugu Lagoon	CA	11	4058
Point Reyes Esteros	CA	22	3403
Puget Sound	WA	19	19309
Sacramento Bufferlands	CA	12	333
Sacramento NWR Complex	CA	371	1154
Salton Sea	CA	89*	807*
San Diego region	CA	115	10903
San Francisco Bay	CA	134	279971
Santa Ynez	CA	16	97
Seal Beach NWR	CA	12	497
Stone Lakes NWR	CA	18	856
Suisun Marsh	CA	77	2533
Tomaes Bay	CA	-	TBD
Upper Butte Basin Wildlife Area	CA	47	5
Upper Newport Bay	CA	4	1336
Willapa Bay	WA	17	1995
Yaquina Bay	OR	3	62

\* no data from shoreline survey

NWR = National Wildlife Refuge

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