

# SAVE OUR SHOREBIRDS



Western Snowy Plover April 29, 2022 Inglebrook Fen-Ten Mile Dunes Preserve, MacKerricher State Park, Mendocino County, CA

## 2022 Annual Report

Ten Mile Beach, Virgin Creek Beach, Glass Beach,  
Trestle Loop, Lighthouse Loop

MacKerricher State Park—Mendocino County, CA

Save Our Shorebirds, a Mendocino Coast Audubon Society Conservation Program

In Cooperation With California Department of Parks and Recreation

Sonoma-Mendocino District

Mendocino North Coast, Audubon California Important Bird Area

Part 1—Watchlisted Shorebirds

## Save Our Shorebirds

Becky Bowen, Angela M. Liebenberg, Co-founders Save Our Shorebirds—Mendocino Coast Audubon Society

Nathan M. Cooley, Director, Summers 2007, 2008

Joleen Ossello, Director, Summers 2009, 2011

Anne Harvey, Outreach and Education, Summers 2015, 2016

Save Our Shorebirds Surveyors and Observers 2007-2022:

Daniella Aguirre	David Flaim	Susan Mitchell	Fall 2010 Students of the College of the Redwoods North Coast Birding Class
Andarin Arvola	Terra Fuller (SP)	Barbara Moller	
Barbara Auerbach	Bob Gerbi	Elly Montoya	Fall 2009 Students of Three Rivers Charter School
Ellen Baron	Alan Gillespie	Art Morley	
Henrietta Bensussen	Jamie Griffith	Cindy Moyer	Alex Takone (SP)
Carin Berolzheimer	Jim Griswold	Susanne Norgard	Chuck Taylor
Jim Bogue	Sarah Grimes	Gail Nsentip	Dorothy Tobkin
Winston Bowen	Jeremy Gulick	Suzye Ogawa	Susan Tubbesing
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Kevin Braun	Bill Heil	Renee Pasquinelli (SP)	Mark Wasserman
Cheryl Burton	Richard Hubacek	Linda Perkins	David Wolf
Kathy Carl	Teresa Hurray	Eric Pinkham	Woodlands Home School Students, September 2016
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George Chaniot	Naomi Jasper	Martha Racine	
Jan Chaniot	David Jensen	Lydia Rand	Chuck Worden
Chris Chavez	Trudy Jensen	Loren Rex (SP)	Molly Worden
Samantha Coddington-Gordon (SP)	Steve Johnson	Kenelly Reyes	Dedicated To The Memory Of SOS surveyors
Joan Collins	Andrea Jones	Barbara Salvatore	Nancy Pacquette, Jim Boyer, Greg Baron, Ron LeValley, Frank Menhams, Warren Wade, and John Wilder
Christy Cox	Robert Kunicki (SP)	Sal Salvatore	
Jack Daily	Matt Liebenberg	Sandy Schmidt	
Enrique Delgadillo	Ana Lytle	Colleen Shephard	
Pat Dunbar	Peggy Martin	Donald Shephard	And in remembrance of Prof. Greg Grantham, College of the Redwoods.
Tony Eppstein	Louise Mariana	Teresa Shumaker	
Maureen Eppstein	Charlene McAllister	Jary Stavely	*SP—California State Parks
Sen. Noreen Evans and Staff Dec., 2016	Tess McGuire	Judy Steele	
	Danuta McCall	Trish Steele	
Mark Farver	John Mitchell	Emily Strachan	

**Save Our Shorebirds—Mendocino Coast Audubon Society**  
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Save Our Shorebirds was a Mendocino Coast Audubon Society conservation program in cooperation with California Department of Parks and Recreation, Sonoma-Mendocino District. Volunteer surveyors conducted shorebird censuses year-round along the coastline of MacKerricher State Park, Mendocino County, CA, and made those data available to the public at no charge. Additional data were submitted to California State Parks, USFWS Western Snowy Plover Recovery Unit 2, and Cornell University Lab of Ornithology’s international eBird database. Save Our Shorebirds (SOS) was established in 2007 and concluded December 31, 2022. The program was supported by grants, private donations, and more than 15,500 hours of volunteer service. Mendocino Coast Audubon Society is a 501(c)(3) non-profit organization. Please note data gathering and reporting in 2020 were impacted by the covid 19 pandemic and closure of California State Parks. Significant shorebird spring migration data was lost.

\*National Audubon Society and the American Bird Conservancy published a national “Watchlist” of birds in 2007. Watchlisted species are birds in serious decline as a result of climate change, loss and degradation of habitat, human disturbance, and predation. Data in this report include shorebird species on the 2007 Watchlist that were observed from 2007-2022 on five MacKerricher State Park survey routes (including Ten Mile Beach in Inglenook Fen-Ten Mile Dunes Preserve) stretching along the 15.7 km. coastline from Ten Mile River south to the southern boundary of Glass Beach in Fort Bragg, CA. MacKerricher State Park is located in Mendocino County, CA. Some 68 per cent of all shorebird sightings recorded on SOS surveys are shorebirds included in the 2007 Watchlist. Heermann’s Gulls (watchlisted seabirds) were counted on summer/fall SOS surveys, so those data are included in this report on a separate page. It should be noted that seven years after SOS was established, the North American Bird Conservation Initiative included the following additional species in that organization’s shorebird Watchlist: Black Oystercatcher, Lesser Yellowlegs, Willet, Whimbrel (North American population), Pectoral Sandpiper, and Dunlin. To maintain consistency, these species are included in the Non-watchlisted Shorebird section (part 2) of this annual report.

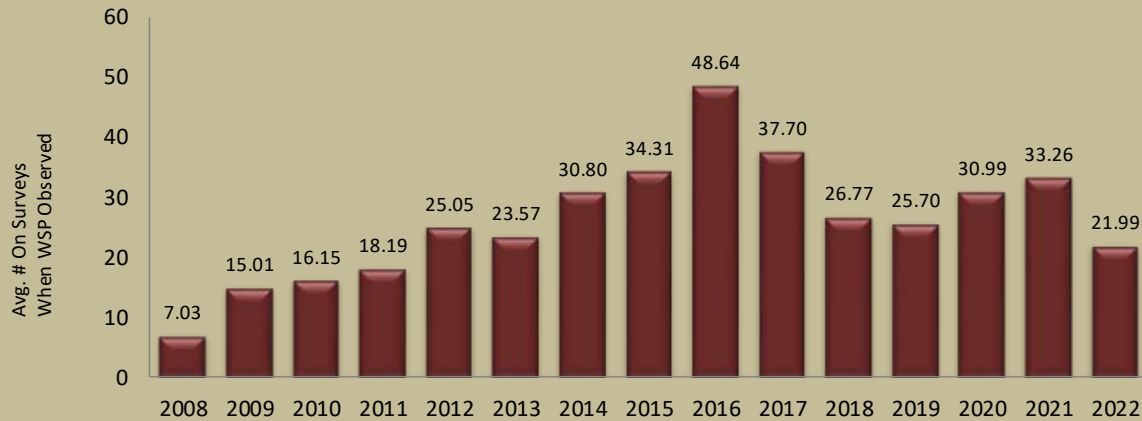
February 14, 2023  
 Becky Bowen, Volunteer Compiler  
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[www.facebook.com/SaveOurShorebirds](https://www.facebook.com/SaveOurShorebirds)

# WESTERN SNOWY PLOVER

SOS Western Snowy Plover Yearly Average Totals 2007-2022  
Virgin Creek and Ten Mile Beach Combined  
MacKerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

Note: WSP found only at Ten Mile Beach and Virgin Creek Beach in MacKerricher State Park

Note: WSP historically are found only on Ten Mile Beach and Virgin Creek Beach in MacKerricher State Park

## SOS Western Snowy Plover Yearly Average Totals June, 2007-December, 2022

Sources: SOS Data Sheets, SOS eBird Total Species Counts, SOS Annual Reports 2007-2022

	Avg. # WSP Per Survey	# Surveys When WSP Observed	Total WSP Sightings
<b>2007</b>	12.57	70	880
<b>2008</b>	7.03	105	738
<b>2009</b>	15.01	74	1,111
<b>2010</b>	16.15	67	1,082
<b>2011</b>	18.19	98	1,783
<b>2012</b>	25.05	74	1,854
<b>2013</b>	23.57	54	1,273
<b>2014</b>	30.80	81	2,495
<b>2015</b>	34.31	88	3,019
<b>2016</b>	48.64	72	3,502
<b>2017</b>	37.70	76	2,865
<b>2018</b>	26.77	83	2,222
<b>2019</b>	25.70	86	2,210
<b>2020</b>	30.99	90	2,789
<b>2021</b>	33.26	81	2,694
<b>2022</b>	21.99	73	1,605
<b>Yr. Total</b>	<b>25.25</b>	<b>1272</b>	<b>32,122</b>

**SOS Western Snowy Plover High Counts 2007-2022 Ten Mile Beach, Virgin Creek Beach-- Combined**

Sources: SOS Data Sheets, SOS eBird High Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>	Feb					1	12	21	24	42	8	32
<b>2008</b>	25	31	5	7	0	1	5	14	16	34	29	31
<b>2009</b>	33	31	14	1	2	0	8	23	24	33	38	38
<b>2010</b>	41	31	34	11	2	0	10	23	28	38	31	42
<b>2011</b>	27	32	16	13	1	0	14	22	34	45	53	55
<b>2012</b>	55	49	35	2	2	0	18	28	45	37	53	48
<b>2013</b>	36	38	23	13	3	1	14	30	41	53	53	48
<b>2014</b>	48	42	41	28	0	2	31	47	52	63	70	63
<b>2015</b>	73	68	59	20	6	4	32	45	74	105	104	116
<b>2016</b>	108	90	71	30	6	1	36	65	53	93	106	93
<b>2017</b>	86	82	63	28	5	4	21	47	66	87	86	82
<b>2018</b>	71	66	63	10	4	5	30	35	41	66	68	75
<b>2019</b>	64	60	40	13	4	5	23	49	44	63	71	64
<b>2020</b>	64	60	52	21	8	13	28	46	52	81	71	74
<b>2021</b>	76	71	50	21	20	12	36	53	49	59	65	65
<b>2022</b>	58	60	44	14	5	2	21	38	42	41	61	59

**SOS Western Snowy Plover Monthly Average Counts 2007-2022 Virgin Creek, Ten Mile Beach Combined**

Sources: SOS Data Sheets, SOS eBird Average Counts

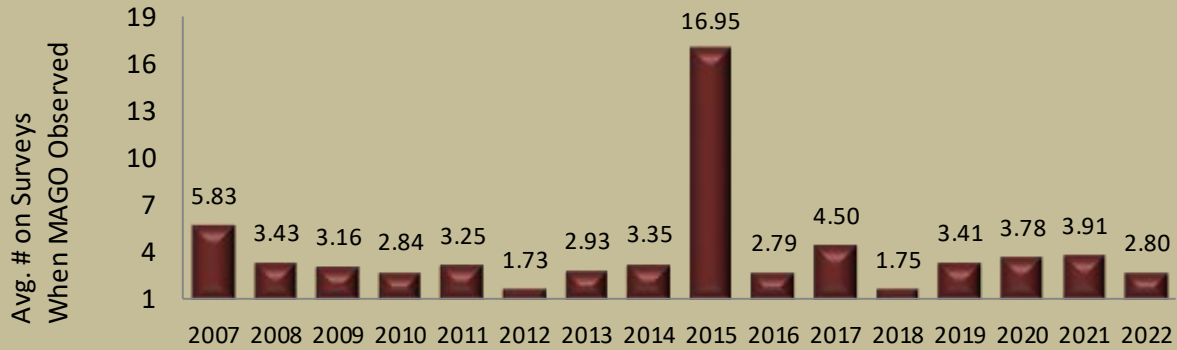
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						1.00	5.00	12.03	14.95	32.75	8.00	32.00
<b>2008</b>	25.00	31.00	5.00	7.00	0.00	1.00	2.31	4.92	7.23	20.83	29.00	31.00
<b>2009</b>	32.50	31.00	14.00	1.00	2.00	0.00	3.33	12.52	16.00	25.67	36.67	22.00
<b>2010</b>	41.00	27.33	26.00	8.33	1.50	0.00	5.50	13.70	17.07	26.20	30.00	41.50
<b>2011</b>	27.00	30.00	16.00	13.00	1.00	0.00	5.75	13.18	13.25	28.29	32.83	51.78
<b>2012</b>	43.00	40.78	35.00	2.00	1.50	0.00	9.29	19.82	22.92	14.00	47.33	48.00
<b>2013</b>	30.00	33.00	23.00	11.00	2.50	1.00	5.00	20.27	27.09	46.25	31.83	36.75
<b>2014</b>	41.80	37.33	31.67	10.50	0.00	2.00	12.93	27.00	36.20	34.60	62.17	46.50
<b>2015</b>	61.00	43.00	35.00	11.75	4.17	3.33	11.91	17.67	26.62	60.50	100.67	97.40
<b>2016</b>	100.00	73.00	50.67	12.62	3.14	1.00	14.62	49.00	38.50	85.00	99.00	89.70
<b>2017</b>	80.50	65.00	44.50	12.56	2.60	2.29	10.11	34.86	35.80	78.20	81.80	74.33
<b>2018</b>	64.00	59.40	34.71	4.88	2.78	3.90	12.14	29.60	11.82	48.20	52.40	65.50
<b>2019</b>	61.00	55.25	23.71	7.00	3.00	3.67	10.75	30.14	21.30	31.78	57.33	59.20
<b>2020</b>	58.17	56.20	36.80	11.75	5.38	8.30	13.89	16.89	39.86	59.86	62.60	60.33
<b>2021</b>	65.60	65.00	39.13	15.38	12.78	8.86	19.60	39.40	35.00	39.67	54.60	60.67
<b>2022</b>	56.33	49.00	25.50	9.25	2.88	1.33	11.25	17.07	21.83	31.71	43.67	57.67

\*Shaded areas on charts indicate months when species were observed on SOS surveys. Light shaded cells indicate highest number of species recorded and confirmed on an SOS survey.

# MARBLED GODWIT

## SOS Marbled Godwit Yearly Average Totals 2007-2022

Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined  
MacKerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS eBird Species Totals

Note: Trestle Loop and Lighthouse Loop added to survey routes in 2014

Note: No SOS Lighthouse Loop data submitted for 2022

## SOS Marbled Godwit Yearly Average 2007-2022

Sources: SOS Data Sheets, SOS eBird Total Species Counts, SOS Annual Reports 2007-2022

	Avg. # MAGO Per Survey	# Surveys When MAGO observed	Total MAGO Sightings
2007	5.83	76	443
2008	3.43	81	278
2009	3.16	45	142
2010	2.84	32	91
2011	3.25	36	117
2012	1.73	30	52
2013	2.93	30	88
2014	3.35	52	174
2015	16.95	40	678
2016	2.79	33	92
2017	4.50	24	108
2018	1.75	12	21
2019	3.41	27	92
2020	3.78	32	121
2021	3.91	35	137
2022	2.80	25	70
<b>Yr. Total</b>	<b>4.43</b>	<b>610</b>	<b>2,704</b>

**SOS Marbled Godwit Total High Counts 2007-2022 Ten Mile Beach, Virgin Creek Beach Glass Beach, Trestle Loop, Lighthouse Loop-Combined**

Sources: SOS Data Sheets, SOS eBird High Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						3	11	50	16	4	10	0
<b>2008</b>	0	0	0	0	0	2	12	7	16	2	0	0
<b>2009</b>	0	0	0	0	0	0	4	29	6	0	0	0
<b>2010</b>	0	0	0	0	0	1	2	19	8	1	0	0
<b>2011</b>	0	0	0	0	1	0	4	35	4	2	0	0
<b>2012</b>	0	3	0	0	1	0	7	4	7	1	0	0
<b>2013</b>	1	0	0	1	3	0	3	11	7	2	0	0
<b>2014</b>	0	0	0	4	5	8	9	15	14	3	0	0
<b>2015</b>	0	0	0	4	3	1	8	21	67	75	12	7
<b>2016</b>	1	0	0	14	4	5	2	7	6	1	0	0
<b>2017</b>	0	0	0	1	1	1	0	14	16	1	0	0
<b>2018</b>	0	0	0	1	2	8	0	1	2	0	0	0
<b>2019</b>	0	0	0	2	2	0	1	18	8	2	0	0
<b>2020</b>	0	1	0	2	5	1	0	18	16	1	2	0
<b>2021</b>	0	0	0	2	7	1	1	9	14	0	0	0
<b>2022</b>	0	0	0	2	17	2	9	4	8	3	0	0

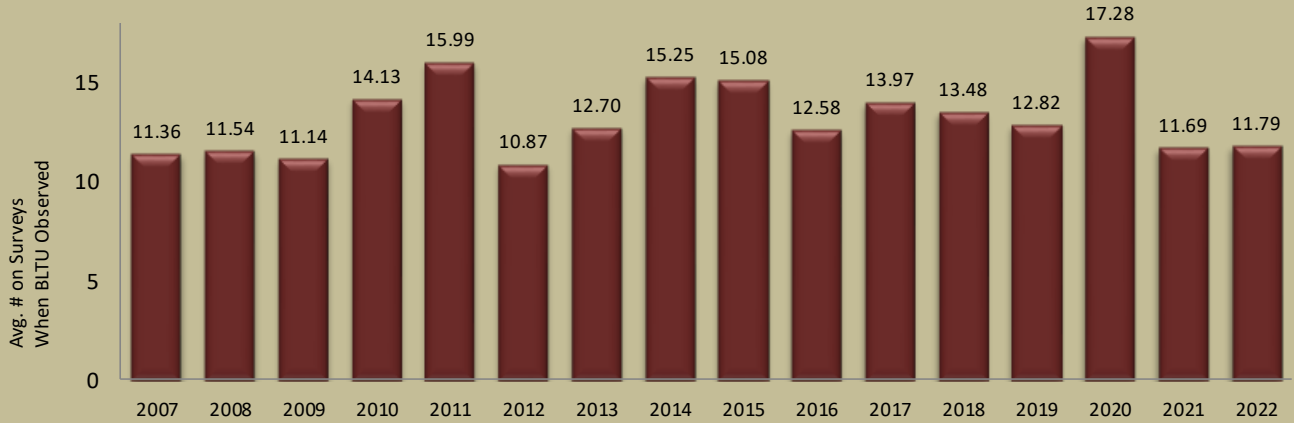
**SOS Marbled Godwit Monthly Avg. 2007-2022 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop-Combined**

Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						2.00	4.40	6.26	5.79	3.50	10.00	0.00
<b>2008</b>	0.00	0.00	0.00	0.00	0.00	2.00	2.47	1.96	5.41	1.50	0.00	0.00
<b>2009</b>	0.00	0.00	0.00	0.00	0.00	0.00	1.67	3.70	2.67	0.00	0.00	0.00
<b>2010</b>	0.00	0.00	0.00	0.00	0.00	1.00	1.40	6.80	2.40	1.00	0.00	0.00
<b>2011</b>	0.00	0.00	0.00	0.00	1.00	0.00	2.33	4.05	2.71	2.00	0.00	0.00
<b>2012</b>	0.00	3.00	0.00	0.00	1.00	0.00	3.00	1.44	1.46	1.00	0.00	0.00
<b>2013</b>	1.00	0.00	0.00	1.00	3.00	0.00	2.00	2.40	4.45	1.50	0.00	0.00
<b>2014</b>	0.00	0.00	0.00	2.00	2.33	8.00	5.00	3.80	3.73	1.89	0.00	0.00
<b>2015</b>	0.00	0.00	0.00	2.33	2.00	1.00	5.00	14.60	27.80	33.50	6.00	2.80
<b>2016</b>	1.00	0.00	0.00	14.00	2.17	3.00	1.25	2.29	3.27	1.00	0.00	0.00
<b>2017</b>	0.00	0.00	0.00	1.00	1.00	1.00	0.00	5.75	5.18	1.00	0.00	0.00
<b>2018</b>	0.00	0.00	0.00	1.00	1.50	8.00	0.00	1.00	1.25	0.00	0.00	0.00
<b>2019</b>	0.00	0.00	0.00	2.00	1.75	0.00	1.00	5.17	2.67	1.50	0.00	0.00
<b>2020</b>	0.00	1.00	0.00	2.00	3.50	1.00	0.00	4.07	10.00	1.00	1.50	0.00
<b>2021</b>	0.00	0.00	0.00	1.25	2.50	1.00	1.00	4.11	5.92	0.00	0.00	0.00
<b>2022</b>	0.00	0.00	0.00	1.50	4.40	1.50	3.75	1.43	3.50	3.00	0.00	0.00

# BLACK TURNSTONE

SOS Black Turnstone Yearly Average Totals 2007-2022  
 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop Combined  
 MacKerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022  
 Note: Trestle Loop and Lighthouse Loop added to SOS survey routes in 2014  
 Note: No Lighthouse Loop data submitted in 2022

## SOS Black Turnstone Yearly Average Totals 2007-2022

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

	Avg. # BLTU Per Survey	# Surveys When BLTU Observed	Total BLTU Sightings
<b>2007</b>	11.36	132	1,499
<b>2008</b>	11.54	127	1,466
<b>2009</b>	11.14	132	1,471
<b>2010</b>	14.13	119	1,681
<b>2011</b>	15.99	148	2,367
<b>2012</b>	10.87	176	1,913
<b>2013</b>	12.70	120	1,524
<b>2014</b>	15.25	173	2,638
<b>2015</b>	15.08	212	3,198
<b>2016</b>	12.58	146	1,836
<b>2017</b>	13.97	134	1,872
<b>2018</b>	13.48	152	2,049
<b>2019</b>	12.82	157	2,012
<b>2020</b>	17.28	161	2,782
<b>2021</b>	11.69	134	1,566
<b>2022</b>	11.79	97	1,144
<b>Yr. Total</b>	<b>13.37</b>	<b>2,320</b>	<b>31,018</b>



**SOS Black Turnstone High Counts 2007-2022 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop-Combined**

Sources: SOS Data Sheets, SOS eBird High Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						0	23	38	59	10	10	6
<b>2008</b>	4	8	25	0	0	0	20	60	40	40	45	25
<b>2009</b>	40	1	0	6	0	3	30	62	25	15	41	12
<b>2010</b>	0	10	30	30	0	0	27	35	39	45	105	25
<b>2011</b>	25	40	49	20	2	0	24	51	70	120	43	15
<b>2012</b>	32	55	10	20	10	0	25	39	41	57	50	26
<b>2013</b>	29	31	45	32	2	0	28	26	15	35	45	49
<b>2014</b>	22	11	23	47	0	0	36	32	38	124	74	19
<b>2015</b>	84	29	74	71	1	0	37	41	38	37	24	46
<b>2016</b>	27	56	28	33	8	0	18	52	69	28	61	25
<b>2017</b>	18	15	12	25	0	0	35	63	53	44	67	37
<b>2018</b>	36	18	16	32	2	2	14	24	52	84	56	102
<b>2019</b>	37	22	37	21	3	0	3	43	30	38	45	39
<b>2020</b>	54	51	50	3	2	0	22	30	48	50	122	125
<b>2021</b>	45	16	22	35	23	0	8	16	25	36	28	25
<b>2022</b>	37	15	46	20	4	0	22	13	50	80	25	32

**SOS Black Turnstone Monthly Average Counts 2007-2022 Ten Mile, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined**

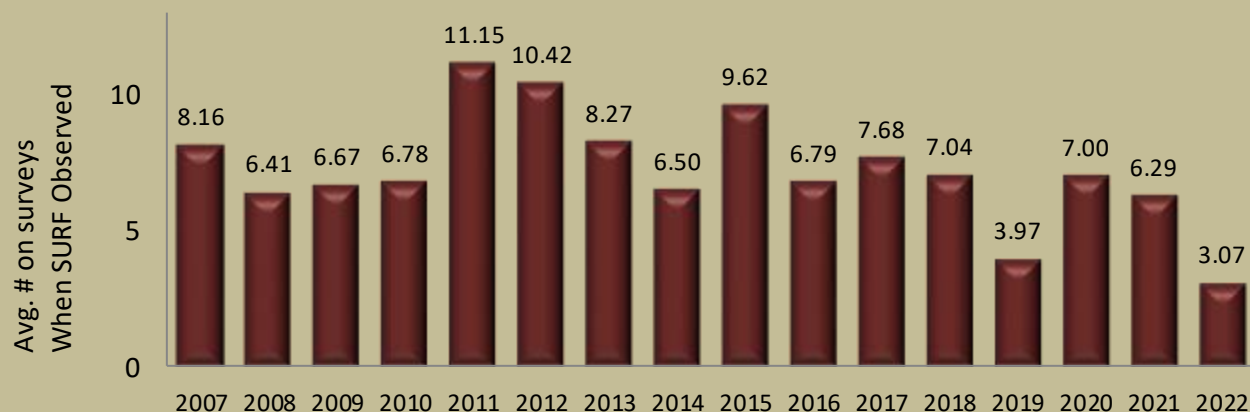
Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						0.00	6.74	13.12	12.88	4.00	10.00	4.00
<b>2008</b>	3.00	4.00	25.00	0.00	0.00	0.00	4.74	12.48	14.39	20.20	37.50	15.00
<b>2009</b>	26.00	1.00	0.00	6.00	0.00	3.00	7.48	12.18	8.04	8.50	27.75	7.00
<b>2010</b>	0.00	8.00	16.83	15.17	0.00	0.00	12.12	12.27	13.48	12.36	25.75	11.71
<b>2011</b>	12.33	12.73	13.73	16.00	2.00	0.00	8.94	11.12	17.90	36.93	20.75	9.33
<b>2012</b>	7.62	10.00	6.43	7.00	4.64	0.00	8.19	12.57	13.27	17.29	16.50	7.60
<b>2013</b>	14.57	9.33	25.86	12.57	1.50	0.00	6.75	8.91	6.61	17.71	19.57	21.29
<b>2014</b>	9.25	6.67	11.00	22.64	0.00	0.00	11.92	10.28	12.65	23.26	23.04	8.29
<b>2015</b>	21.83	11.10	21.72	16.70	1.00	0.00	8.39	11.86	15.21	16.70	13.11	20.69
<b>2016</b>	8.86	15.00	11.27	10.60	3.33	0.00	5.50	13.40	13.79	13.67	18.94	16.25
<b>2017</b>	7.80	12.33	4.50	7.90	0.00	0.00	10.22	10.15	17.96	17.59	19.24	16.19
<b>2018</b>	14.58	7.89	6.71	10.60	2.00	2.00	4.86	7.50	10.71	29.19	20.35	20.87
<b>2019</b>	11.00	6.71	14.70	8.58	3.00	0.00	1.75	9.93	14.83	13.90	14.77	20.31
<b>2020</b>	52.22	14.14	22.57	3.00	2.00	0.00	7.64	8.74	14.95	17.17	30.82	32.00
<b>2021</b>	19.00	8.17	8.00	9.85	8.67	0.00	3.75	5.40	16.71	15.37	14.46	10.88
<b>2022</b>	7.60	7.75	13.38	9.71	4.00	0.00	5.33	6.08	13.13	25.62	9.38	13.57

# SURFBIRD

## SOS Surfbird Yearly Annual Totals 2007-2022

Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined  
MacKerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

Note: Trestle Loop and Lighthouse Loop added to survey routes in 2014

Note: No SOS Lighthouse Loop data submitted in 2022

## SOS Surfbird Yearly Average Totals 2007-2022

Sources: SOS Data Sheets, SOS Species Totals Counts, SOS Annual Reports 2007-2022

	<b>Avg. #</b>	<b># Surveys</b>	<b>Total</b>
	<b>SURF</b>	<b>When SURF</b>	<b>SURF</b>
	<b>Per Survey</b>	<b>Observed</b>	<b>Sightings</b>
<b>2007</b>	8.16	80	653
<b>2008</b>	6.41	69	442
<b>2009</b>	6.67	57	380
<b>2010</b>	6.78	67	454
<b>2011</b>	11.15	79	881
<b>2012</b>	10.42	92	959
<b>2013</b>	8.27	56	463
<b>2014</b>	6.50	70	455
<b>2015</b>	9.62	71	683
<b>2016</b>	6.79	38	258
<b>2017</b>	7.68	56	430
<b>2018</b>	7.04	28	197
<b>2019</b>	3.97	38	151
<b>2020</b>	7.00	31	217
<b>2021</b>	6.29	21	132
<b>2022</b>	3.07	14	43
<b>Yr. Total</b>	<b>7.84</b>	<b>867</b>	<b>6,798</b>

### SOS Surfbird High Counts 2007-2022 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

Sources: SOS Data Sheets, SOS eBird High Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
2007						0	42	30	20	6	0	1
2008	0	0	0	0	0	0	25	26	12	2	5	0
2009	14	0	0	0	0	2	24	22	8	0	21	14
2010	0	4	12	0	0	0	20	13	26	15	15	20
2011	7	15	14	0	0	0	82	41	27	21	6	4
2012	10	23	0	0	0	0	53	42	36	32	14	9
2013	21	9	37	2	0	0	18	9	32	20	37	19
2014	1	1	7	2	0	0	14	14	17	19	44	5
2015	52	15	43	5	6	0	10	21	52	52	1	31
2016	8	8	15	15	4	0	6	10	37	21	6	4
2017	5	0	1	5	0	0	7	21	23	26	23	15
2018	26	0	7	4	0	0	0	2	0	7	16	18
2019	13	8	3	4	0	0	0	2	9	15	4	3
2020	16	10	8	0	0	0	1	3	10	12	22	5
2021	25	12	6	6	0	0	0	5	8	12	3	1
2022	4	6	6	0	0	0	0	6	0	2	7	0

### SOS Surfbird Monthly Average 2007-2022 Ten Mile, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

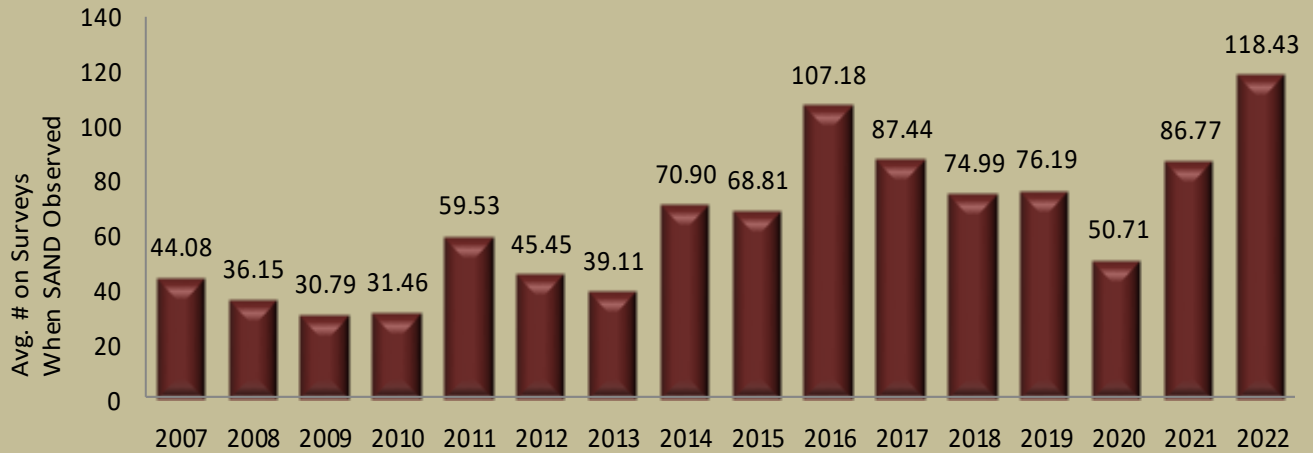
Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
2007						0.00	14.53	6.70	5.37	6.00	0.00	1.00
2008	0.00	0.00	0.00	0.00	0.00	0.00	8.14	6.55	4.35	2.00	5.00	0.00
2009	12.00	0.00	0.00	0.00	0.00	2.00	6.81	6.25	2.50	0.00	18.00	9.50
2010	0.00	4.00	7.50	0.00	0.00	0.00	9.18	5.60	7.00	6.11	7.12	8.00
2011	3.25	7.00	7.25	0.00	0.00	0.00	21.88	9.04	7.60	10.00	4.00	14.33
2012	4.33	7.57	0.00	0.00	0.00	0.00	15.50	9.67	12.30	10.18	6.40	7.50
2013	12.00	3.67	12.00	2.00	0.00	0.00	7.71	4.18	15.00	5.00	12.22	8.00
2014	1.00	1.00	3.60	2.00	0.00	0.00	4.60	4.47	4.12	9.00	17.00	3.33
2015	16.71	10.00	14.40	4.00	3.50	0.00	5.29	6.30	9.56	10.78	1.00	11.75
2016	5.50	4.75	6.50	10.00	4.00	0.00	6.00	4.75	11.50	6.60	5.00	2.50
2017	5.00	0.00	1.00	5.00	0.00	0.00	4.33	6.75	10.67	9.00	8.33	7.11
2018	10.86	0.00	3.00	2.50	0.00	0.00	0.00	2.00	0.00	4.60	6.00	13.33
2019	4.88	8.00	1.67	2.00	0.00	0.00	0.00	1.67	5.60	5.62	2.33	2.00
2020	7.20	10.00	5.50	0.00	0.00	0.00	1.00	2.00	6.00	8.00	9.88	5.00
2021	8.33	12.00	6.00	5.50	0.00	0.00	0.00	5.00	3.67	8.33	2.50	1.00
2022	2.50	3.50	3.50	0.00	0.00	0.00	0.00	2.67	0.00	1.33	6.00	0.00

# SANDERLING

## SOS Sanderling Yearly Average Totals 2007-2022

Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined  
MacKerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

Note: Trestle and Lighthouse Loops added to survey routes in 2014

Note: No SOS Lighthouse Loop data submitted in 2022

## SOS Sanderling Yearly Average Totals 2007-2022

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

	Avg.#	# Surveys	Total
	SAND	When SAND	SAND
	Per Survey	Observed	Sightings
<b>2007</b>	44.08	99	4,364
<b>2008</b>	36.15	117	4,229
<b>2009</b>	30.79	104	3,202
<b>2010</b>	31.46	108	3,398
<b>2011</b>	59.53	144	8,573
<b>2012</b>	45.45	199	9,045
<b>2013</b>	39.11	131	5,123
<b>2014</b>	70.90	132	9,359
<b>2015</b>	68.81	112	7,707
<b>2016</b>	107.18	91	9,753
<b>2017</b>	87.44	95	8,307
<b>2018</b>	74.99	127	9,524
<b>2019</b>	76.19	109	8,305
<b>2020</b>	50.71	97	4,919
<b>2021</b>	86.77	94	8,156
<b>2022</b>	118.43	94	11,132
<b>Yr. Total</b>	<b>62.11</b>	<b>1,853</b>	<b>115,096</b>

**SOS Sanderling High Counts 2007-2022** Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

Sources: SOS Data Sheets, SOS eBird High Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						0	245	120	155	300	50	80
<b>2008</b>	150	50	1	3	15	0	168	145	77	52	75	70
<b>2009</b>	60	25	75	50	75	3	87	141	104	22	105	150
<b>2010</b>	110	300	160	50	12	0	100	66	133	110	150	32
<b>2011</b>	54	38	46	30	50	0	94	175	150	270	250	225
<b>2012</b>	216	246	131	75	150	9	75	206	80	99	91	125
<b>2013</b>	55	175	113	250	123	12	200	150	92	75	214	125
<b>2014</b>	297	150	253	350	303	0	75	150	160	200	345	450
<b>2015</b>	250	262	111	400	32	0	200	76	216	101	200	800
<b>2016</b>	800	460	350	18	80	2	75	189	110	133	350	450
<b>2017</b>	500	150	75	135	225	4	200	150	200	250	350	400
<b>2018</b>	270	231	150	370	400	8	409	150	75	150	250	400
<b>2019</b>	350	257	300	171	350	2	50	350	75	250	201	318
<b>2020</b>	175	250	200	78	75	0	75	91	165	44	150	250
<b>2021</b>	350	150	14	200	160	1	250	57	150	350	700	600
<b>2022</b>	400	350	500	310	640	7	75	170	350	250	300	150

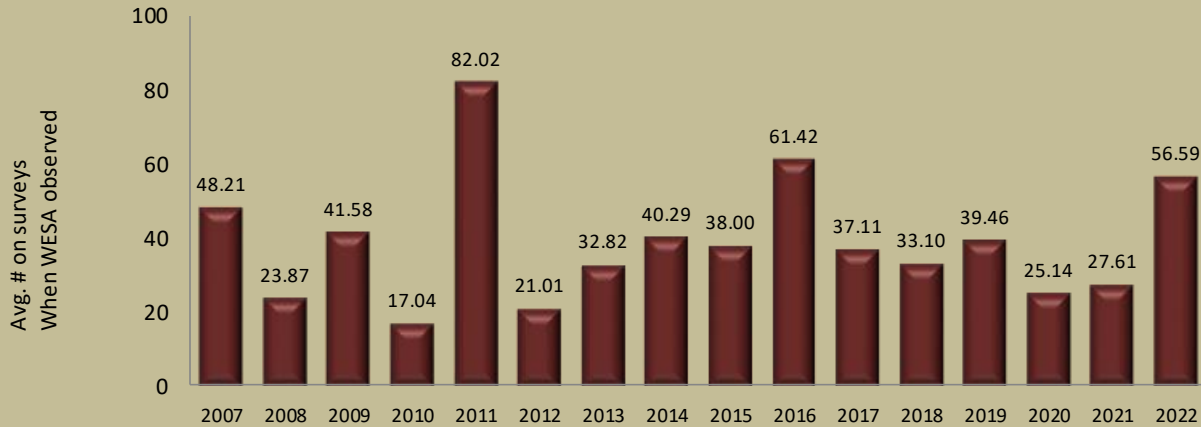
**SOS Sanderling Monthly Average Counts 2007-2022** Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						0.00	34.39	29.33	50.12	190.40	50.00	41.00
<b>2008</b>	150.00	50.00	1.00	3.00	15.00	0.00	49.34	29.44	27.44	27.80	55.00	58.33
<b>2009</b>	34.00	25.00	75.00	49.00	46.50	3.00	28.18	28.34	24.00	22.00	41.40	82.50
<b>2010</b>	72.50	188.33	127.50	29.00	10.50	0.00	20.79	13.64	23.82	35.33	33.10	18.20
<b>2011</b>	28.00	12.88	45.50	30.00	34.00	0.00	20.57	60.02	55.92	96.43	100.62	125.91
<b>2012</b>	97.32	84.12	27.50	16.73	34.18	6.50	30.45	43.92	32.79	21.07	42.00	47.80
<b>2013</b>	34.29	80.14	47.14	75.62	56.33	6.50	27.38	22.68	26.26	21.23	55.82	69.57
<b>2014</b>	92.50	127.33	172.00	161.55	88.62	0.00	20.74	22.23	35.15	64.24	81.45	164.62
<b>2015</b>	93.56	95.64	27.00	76.12	23.25	0.00	26.92	22.95	59.06	30.88	164.00	245.62
<b>2016</b>	500.00	248.44	145.71	10.71	28.83	2.00	21.00	45.00	20.07	54.33	243.00	275.14
<b>2017</b>	325.00	76.33	43.67	42.43	54.33	2.33	56.40	38.18	44.60	52.50	173.12	173.77
<b>2018</b>	92.85	57.55	58.60	73.86	143.36	8.00	86.25	26.00	31.17	62.10	74.33	109.29
<b>2019</b>	71.00	104.30	72.09	54.17	126.92	1.50	26.60	45.00	24.60	126.67	110.40	111.11
<b>2020</b>	72.82	103.75	116.75	48.40	17.22	0.00	17.71	14.05	28.38	14.14	52.50	190.83
<b>2021</b>	206.80	59.33	5.67	50.00	40.58	1.00	48.42	24.25	41.91	134.40	354.14	147.71
<b>2022</b>	136.42	106.56	287.50	110.50	193.85	3.67	30.86	57.56	75.13	141.57	126.00	48.40

# WESTERN SANDPIPER

SOS Western Sandpiper Yearly Average Totals 2007-2022  
 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined  
 MacKerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS e-Bird Species Totals, SOS Annual Reports 2007-2022  
 Note: Trestle Loop and Lighthouse Loop added to SOS survey routes in 2014  
 Note: No SOS Lighthouse Loop data submitted in 2022

## SOS Western Sandpiper Yearly Average Totals 2007-2022

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

	Avg. #	# Surveys	Total
	WESA	When WESA	WESA
	Per Survey	Observed	Sightings
<b>2007</b>	48.21	128	6,171
<b>2008</b>	23.87	119	2,841
<b>2009</b>	41.58	147	6,112
<b>2010</b>	17.04	82	1,397
<b>2011</b>	82.02	137	11,237
<b>2012</b>	21.01	107	2,248
<b>2013</b>	32.82	98	3,216
<b>2014</b>	40.29	125	5,036
<b>2015</b>	38.00	76	2,888
<b>2016</b>	61.42	72	4,422
<b>2017</b>	37.11	57	2,115
<b>2018</b>	33.10	89	2,946
<b>2019</b>	39.46	79	3,117
<b>2020</b>	25.14	88	2,212
<b>2021</b>	27.61	97	2,678
<b>2022</b>	56.59	79	4,471
<b>Yr. Total</b>	<b>39.94</b>	<b>1,580</b>	<b>63,107</b>

**SOS Western Sandpiper High Counts 2007-2022** Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

Sources: SOS Data Sheets, SOS eBird High Counts

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						23	400	150	70	6	0	0
<b>2008</b>	0	0	0	0	0	0	151	110	25	1	0	0
<b>2009</b>	0	0	0	4	2	22	240	450	125	2	0	0
<b>2010</b>	0	0	0	15	0	1	85	42	16	12	0	0
<b>2011</b>	0	0	0	25	50	9	3,850	205	57	49	0	0
<b>2012</b>	0	0	0	20	50	2	157	136	113	6	0	0
<b>2013</b>	0	1	0	14	40	6	371	260	65	3	1	0
<b>2014</b>	0	0	0	400	50	20	410	75	107	8	1	0
<b>2015</b>	0	0	1	670	30	100	450	150	58	3	0	0
<b>2016</b>	0	0	3	85	200	7	800	530	104	2	0	1
<b>2017</b>	0	0	0	150	15	1	450	75	60	0	0	0
<b>2018</b>	0	0	4	150	75	1	340	198	61	2	0	0
<b>2019</b>	0	0	1	127	150	5	400	250	25	4	0	4
<b>2020</b>	0	1	20	225	15	32	80	102	85	10	0	0
<b>2021</b>	0	0	0	245	100	1	250	98	72	15	2	1
<b>2022</b>	0	0	2	450	300	37	600	250	40	6	1	0

**SOS Western Sandpiper Monthly Average 2007-2022** Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

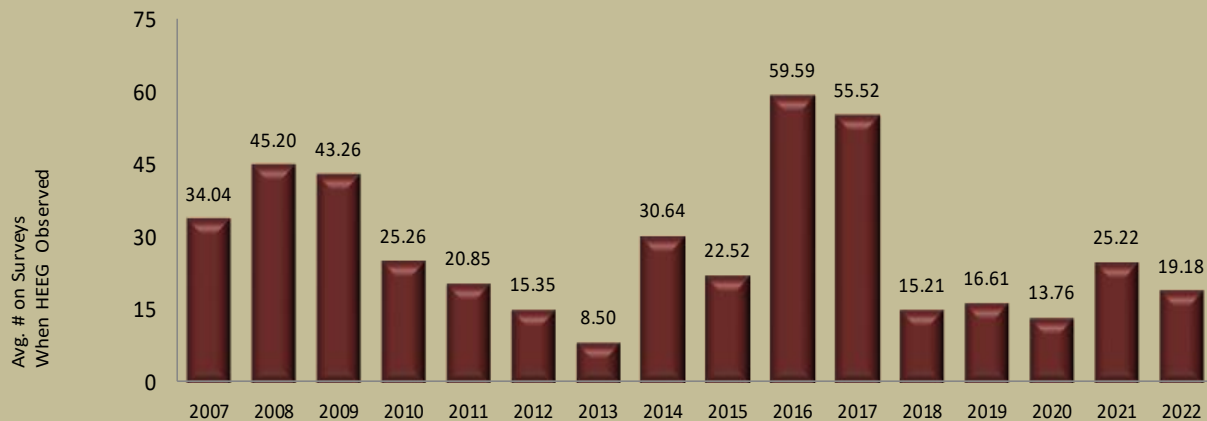
Sources: SOS Data Sheets, SOS eBird Average Counts

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						6.83	88.12	31.61	17.34	6.00	0.00	0.00
<b>2008</b>	0.00	0.00	0.00	0.00	0.00	0.00	39.20	15.57	8.43	1.00	0.00	0.00
<b>2009</b>	0.00	0.00	0.00	4.00	2.00	6.40	48.88	47.52	22.96	2.00	0.00	0.00
<b>2010</b>	0.00	0.00	0.00	6.33	0.00	1.00	28.62	14.00	7.83	12.00	0.00	0.00
<b>2011</b>	0.00	0.00	0.00	13.00	28.50	9.00	154.96	57.80	14.67	19.38	0.00	0.00
<b>2012</b>	0.00	0.00	0.00	7.20	11.62	2.00	34.59	19.18	16.00	3.67	0.00	0.00
<b>2013</b>	0.00	1.00	0.00	14.00	12.25	4.33	58.65	25.69	16.00	2.00	1.00	0.00
<b>2014</b>	0.00	0.00	0.00	59.40	13.50	13.00	80.03	20.00	23.5	2.43	1.00	0.00
<b>2015</b>	0.00	0.00	1.00	114.29	12.00	72.00	47.89	20.47	12.36	2.00	0.00	0.00
<b>2016</b>	0.00	0.00	3.00	18.14	38.00	7.00	103.18	95.40	21.00	2.00	0.00	1.00
<b>2017</b>	0.00	0.00	0.00	27.11	6.67	1.00	77.94	16.93	17.50	0.00	0.00	0.00
<b>2018</b>	0.00	0.00	4.00	24.33	19.25	1.00	70.38	26.68	11.56	1.50	0.00	0.00
<b>2019</b>	0.00	0.00	1.00	35.83	24.62	3.33	61.87	50.70	8.00	4.00	0.00	4.00
<b>2020</b>	0.00	1.00	7.50	110.00	5.67	22.33	28.15	23.94	21.45	6.00	0.00	0.00
<b>2021</b>	0.00	0.00	0.00	38.50	32.00	1.00	43.83	22.15	19.38	4.29	2.00	1.00
<b>2022</b>	0.00	0.00	2.00	116.67	100.27	24.67	60.85	43.95	13.44	4.50	1.00	0.00

# HEERMANN'S GULL

## SOS Heermann's Gull Yearly Average Totals 2007-2022

Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined  
Mackerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS e-bird Species Totals, SOS Annual Reports 2007-2022

Note: Trestle Loop, Lighthouse Loop added to SOS survey routes in 2014

Note: No SOS Lighthouse Loop data submitted in 2022

## SOS Heermann's Gull Yearly Average Totals 2007-2022

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

	Avg. # HEEG Per Survey	# Surveys When HEEG Observed	Total HEEG Sightings
<b>2007</b>	34.04	57	1,940
<b>2008</b>	45.20	60	2,712
<b>2009</b>	43.26	77	3,331
<b>2010</b>	25.26	106	2,678
<b>2011</b>	20.85	142	2,961
<b>2012</b>	15.35	135	2,072
<b>2013</b>	8.50	94	799
<b>2014</b>	30.64	137	4,198
<b>2015</b>	22.52	103	2,320
<b>2016</b>	59.59	76	4,529
<b>2017</b>	55.52	54	2,998
<b>2018</b>	15.21	61	928
<b>2019</b>	16.61	36	598
<b>2020</b>	13.76	51	702
<b>2021</b>	25.22	68	1,715
<b>2022</b>	19.18	51	978
<b>Yr. Total</b>	<b>27.11</b>	<b>1,308</b>	<b>35,459</b>



**SOS Heermann's Gull High Counts Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop**

Sources: SOS Data Sheets, SOS eBird High Counts, SOS Annual Reports

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						14	80	100	120	35	0	0
<b>2008</b>	0	0	0	0	0	11	250	150	95	2	8	0
<b>2009</b>	0	0	0	0	2	25	155	105	48	3	0	0
<b>2010</b>	0	0	0	0	0	14	105	95	108	40	5	1
<b>2011</b>	0	0	0	0	0	1	77	76	56	6	0	0
<b>2012</b>	0	0	0	0	0	10	77	72	47	53	25	0
<b>2013</b>	0	0	0	0	1	0	32	74	31	33	0	0
<b>2014</b>	0	0	0	0	2	131	239	38	31	203	86	18
<b>2015</b>	22	9	0	0	1	25	150	96	53	47	200	25
<b>2016</b>	5	1	0	0	1	24	465	325	35	7	75	0
<b>2017</b>	0	0	0	0	0	12	250	300	300	14	0	0
<b>2018</b>	0	0	0	0	0	7	45	225	63	100	2	0
<b>2019</b>	0	0	0	0	0	3	30	115	50	0	0	0
<b>2020</b>	0	0	0	0	0	4	120	50	31	16	0	0
<b>2021</b>	0	0	0	0	0	1	30	80	59	500	150	0
<b>2022</b>	0	0	1	0	0	26	225	43	37	15	10	0

**SOS Heermann's Gull Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop - Combined**

Sources: SOS Data Sheets, SOS eBird Average Counts, Annual Reports

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>2007</b>						8.25	23.76	56.00	36.00	20.00	0.00	0.00
<b>2008</b>	0.00	0.00	0.00	0.00	0.00	4.75	69.06	52.04	23.92	1.50	8.00	0.00
<b>2009</b>	0.00	0.00	0.00	0.00	2.00	17.00	59.64	46.60	21.81	3.00	0.00	0.00
<b>2010</b>	0.00	0.00	0.00	0.00	0.00	6.00	32.50	26.13	28.56	10.20	2.50	1.00
<b>2011</b>	0.00	0.00	0.00	0.00	0.00	1.00	22.68	23.69	14.58	3.14	0.00	0.00
<b>2012</b>	0.00	0.00	0.00	0.00	0.00	6.50	18.30	16.76	11.09	9.67	11.40	0.00
<b>2013</b>	0.00	0.00	0.00	0.00	1.00	0.00	7.87	10.52	7.95	5.82	0.00	0.00
<b>2014</b>	0.00	0.00	0.00	0.00	2.00	37.00	58.19	11.71	6.29	25.39	24.77	11.00
<b>2015</b>	7.88	3.67	0.00	0.00	1.00	11.29	20.5	22.40	18.50	22.62	70.25	25.00
<b>2016</b>	2.00	1.00	0.00	0.00	1.00	8.00	135.53	82.37	11.08	3.50	22.50	0.00
<b>2017</b>	0.00	0.00	0.00	0.00	0.00	6.50	54.79	50.38	80.76	8.67	0.00	0.00
<b>2018</b>	0.00	0.00	0.00	0.00	0.00	3.11	10.06	19.81	20.43	33.40	1.50	0.00
<b>2019</b>	0.00	0.00	0.00	0.00	0.00	1.83	12.55	35.73	11.20	0.00	0.00	0.00
<b>2020</b>	0.00	0.00	0.00	0.00	0.00	4.00	20.55	13.83	13.83	6.33	0.00	0.00
<b>2021</b>	0.00	0.00	0.00	0.00	0.00	2.50	8.22	14.17	17.50	95.71	71.20	0.00
<b>2022</b>	0.00	0.00	1.00	0.00	0.00	17.33	28.21	18.42	11.89	9.60	6.50	0.00

**Save Our Shorebirds Miscellaneous Watchlisted Shorebird Observations June, 2007-December, 2022  
Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop—Combined**

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS eBird High Counts, SOS Annual Reports 2007-

<b>Red Knot</b>													
<b>Total Sightings</b>													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	0	7	4	0	0	0	11
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	2	2	2	0	0	6
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	1	1	7	0	0	9
2012	0	0	0	0	0	0	0	1	0	0	0	0	1
2013	0	0	0	0	0	0	0	0	1	0	0	0	1
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	2	3	1	0	0	1	0	0	7
2016	0	0	0	12	16	0	0	0	0	0	0	0	28
2017	0	0	0	0	0	0	4	0	0	0	0	0	4
2018	0	0	0	0	0	0	0	0	1	0	0	0	1
2019	0	0	0	0	11	0	0	4	3	1	0	0	19
2020	0	0	0	0	1	0	0	0	1	0	3	0	5
2021	0	0	0	0	25	0	0	0	0	0	0	0	25
2022	0	0	0	1	4	0	0	0	0	1	0	0	6
<b>Total</b>													<b>123</b>

**High Count on 1 SOS survey:**  
12 Red Knots May 8, 2021  
Ten Mile Beach

<b>Buff-breasted Sandpiper</b>													
<b>Total Sightings</b>													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	0	8	15	0	0	0	23
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	1	0	0	0	0	1
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	2	0	0	0	2
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	1	0	0	0	0	1
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>													<b>27</b>

**High Count on 3 SOS surveys:**  
2 Buff-breasted Sandpipers  
August 27, August 30, 2007,  
September 1, 2007  
All at Virgin Creek Beach

<b>Semipalmated Sandpiper</b>													
<b>Total Sightings</b>													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	1	0	0	0	0	0	1
2008	0	0	0	0	0	0	0	3	0	0	0	0	3
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	3	3	0	0	0	0	6
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	5	0	0	0	0	5
2014	0	0	0	0	0	0	0	0	1	0	0	0	1
2015	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	1	0	0	0	0	1
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	1	0	0	0	0	0	1
2020	0	0	0	0	0	0	2	0	0	0	0	0	2
2021	0	0	0	0	0	0	0	4	1	0	0	0	5
2022	0	0	0	0	0	0	0	2	0	0	0	0	2
<b>Total</b>													<b>27</b>

**High Count on 1 SOS survey:**  
  
**3 Semipalmated Sandpipers**  
 August 17, 2021 Virgin Creek

<b>Hudsonian Godwit</b>													
<b>Total Sightings</b>													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	2	4	0	0	0	6
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>													<b>6</b>

**High Count on 1 SOS survey:**  
  
**3 Hudsonian Godwits**  
 September 1, 2009 Virgin Creek

<b>Wandering Tattler</b>													
<b>Total Sightings</b>													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	5	10	0	0	0	0	15
2008	0	0	0	0	0	0	1	5	0	0	2	0	8
2009	0	0	0	0	0	0	7	3	1	0	0	0	11
2010	0	0	0	0	0	0	0	13	3	1	0	0	17
2011	0	0	0	0	0	0	3	4	3	0	0	0	10
2012	0	0	0	1	3	0	2	11	0	0	1	0	18
2013	0	0	0	0	1	0	2	3	0	0	0	0	6
2014	0	0	0	2	1	0	4	19	14	0	3	1	44
2015	5	0	0	2	4	0	12	24	37	3	0	0	87
2016	2	0	0	0	7	0	4	7	20	1	0	0	41
2017	0	0	0	0	1	0	7	14	15	1	1	1	40
2018	1	1	0	1	0	0	1	15	10	1	1	0	31
2019	0	0	0	0	8	1	5	28	10	0	0	2	54
2020	0	2	0	0	2	0	8	12	7	0	1	1	33
2021	0	1	2	2	11	0	2	17	9	1	0	0	45
2022	0	0	1	3	3	0	2	10	3	2	1	1	26
<b>Total</b>													<b>486</b>

**High Count on 1 SOS survey:**  
**7 Wandering Tattlers**  
 May 10, 2021 Trestle Loop

<b>Long-billed Curlew</b>													
<b>Total Sightings</b>													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	2	0	2	0	0	0	4
2008	0	0	0	1	0	0	1	0	2	0	0	0	4
2009	0	0	0	0	7	0	4	35	0	0	0	0	46
2010	0	0	0	0	0	2	1	5	11	0	0	0	19
2011	0	0	0	0	0	0	0	0	1	0	0	0	1
2012	0	0	0	4	4	1	0	0	0	0	0	0	9
2013	0	0	0	0	2	0	0	8	17	8	0	0	35
2014	0	0	0	1	0	0	2	3	0	0	1	0	7
2015	0	0	0	4	5	0	3	8	1	0	0	0	21
2016	0	0	0	3	19	1	0	3	4	0	0	0	30
2017	0	0	0	3	6	1	0	6	4	0	0	0	20
2018	0	0	0	0	4	0	0	1	1	0	0	0	6
2019	0	0	2	4	6	0	0	6	0	0	0	0	18
2020	0	0	0	1	3	0	2	6	0	0	0	0	12
2021	0	0	0	1	5	0	3	3	0	0	0	0	12
2022	0	0	0	2	5	0	1	0	1	0	0	0	9
<b>Total</b>													<b>253</b>

**High Count on 2 SOS surveys:**  
**23 Long-billed Curlews in flight**  
 August 9, 2009 Virgin Creek  
 (no photo)

**8 Long-billed Curlews**  
 May 12, 2016 Virgin Creek

American Golden-Plover													
Total Sightings													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	1	0	0	0	1
2013	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	4	0	0	4
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0	0	0	1	0	1
2019	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>													<b>6</b>

**High Count on 4 SOS surveys:**

1 American Golden-Plover  
September 12, 2012 Virgin Creek

1 American Golden-Plover  
October 13, 2015 Virgin Creek

1 American Golden-Plover  
October 27, 2015 Virgin Creek

1 American Golden-Plover  
November 1, 2018  
Lighthouse Loop

Rock Sandpiper													
Total Sightings													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	2	1	5	0	0	0	0	0	0	0	0	0	8
2014	1	0	0	0	0	0	0	0	0	0	0	1	2
2015	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0	0	0	0	1	1
2018	2	0	0	0	0	0	0	0	0	0	0	0	2
2019	0	0	0	0	0	0	0	0	0	0	0	1	1
2020	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>													<b>14</b>

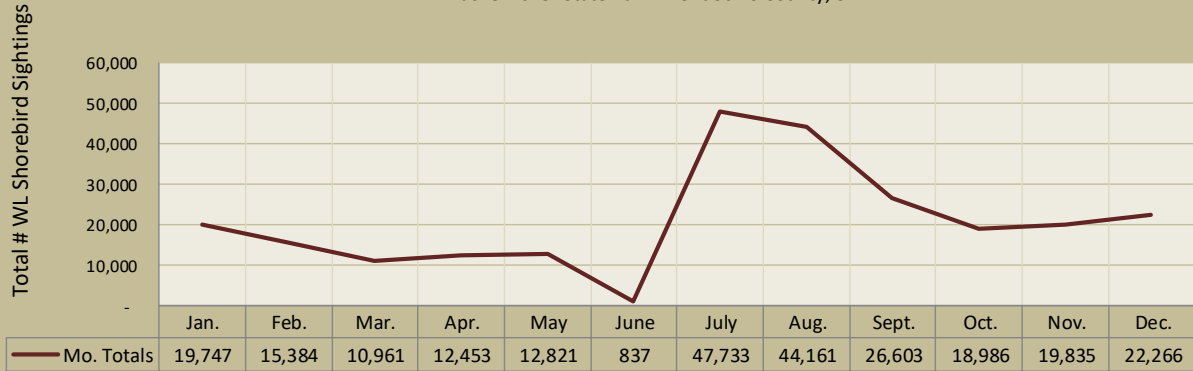
**High Count on an 2 SOS surveys:**

2 Rock Sandpipers  
January 11, 2013 Virgin Creek

2 Rock Sandpipers  
March 29, 2013 Virgin Creek

Note: Professional photographer Lisa Walker reported 3 ROSA together in December, 2021 near Laguna Point in MacKerricher State Park (not an SOS survey, but validated by photos on eBird check list).

**Save Our Shorebirds Total Watchlisted Shorebird Sightings**  
**Cumulative Per Month-June 15, 2007-December 31, 2022**  
 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop-Combined  
 MacKerricher State Park- Mendocino County, CA



Source: SOS Data Sheets, SOS eBird Total Speies  
 Note: Trestle Loop, Lighthouse Loop added to SOS survey routes in 2014  
 Note: No SOS Lighthouse Loop data submitted in 2022

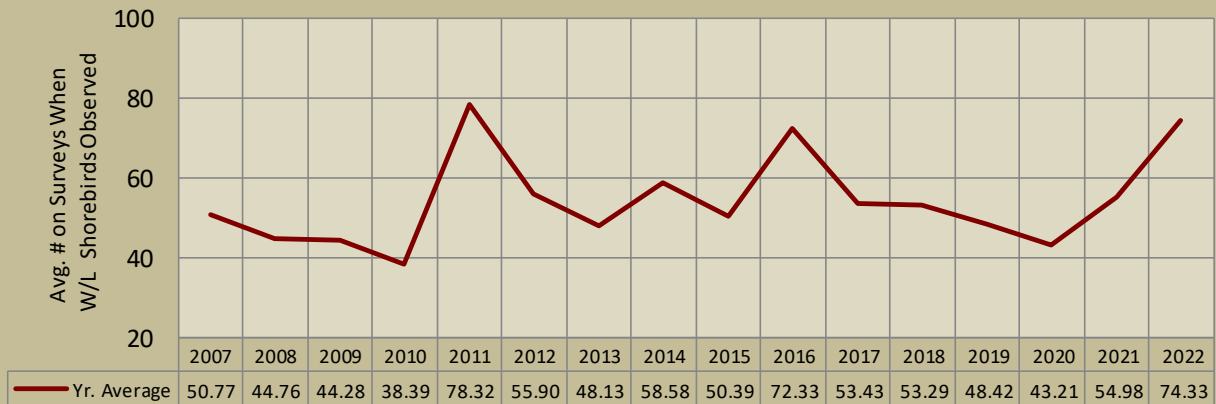
**Save Our Shorebirds Total Watchlisted Shorebird Sightings Per Month June 15, 2007-December 31, 2022**

Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop-Combined  
 MacKerricher State Park, Mendocino County, CA

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports

	<b>Total Watchlisted</b>
<b>Month</b>	<b>Shorebird Sightings</b>
Jan.	19,747
Feb.	15,384
Mar.	10,961
Apr.	12,453
May	12,821
June	837
July	47,733
Aug.	44,161
Sept.	26,603
Oct.	18,986
Nov.	19,835
Dec.	22,266
<b>Total</b>	<b>251,787</b>

**Save Our Shorebirds Watchlisted Shorebirds Yearly Average 2007-2022**  
 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop-Combined  
 MacKerricher State Park, Mendocino County, CA



Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

Note: Trestle Loop and Lighthouse Loop added to SOS routes in 2014

Note: No SOS Lighthouse Loop data submitted in 2022

Note: All SOS surveys carried out in the field during daylight hours

Note: Significant loss of data in 2020 during pandemic park closures

**Save Our Shorebirds—Watchlisted Shorebirds Yearly Average 2007-2022**

Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop—Combined  
 MacKerricher State Park, Mendocino County, CA

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

SOS Survey Year	Yr. Avg. W/L Shorebirds	#W/L SB Sightings	Total # Surveys
2007	50.77	14,064	277
2008	44.76	10,009	279
2009	44.28	12,488	282
2010	38.39	8,139	212
2011	78.32	24,984	319
2012	55.90	16,100	288
2013	48.13	11,744	244
2014	58.58	20,211	345
2015	50.39	18,292	363
2016	72.33	19,963	276
2017	53.43	15,763	295
2018	53.29	17,000	319
2019	48.42	15,980	330
2020	43.21	13,092	303
2021	54.98	15,450	281
2022	74.33	18,508	249
<b>Total</b>	<b>54.01</b>	<b>251,787</b>	<b>4662</b>

**Save Our Shorebirds**  
**Mendocino Coast Audubon Society**  
**Watchlisted Shorebird Species Sightings**  
**June, 2007-December, 2022**

MacKerricher State Park  
Mendocino County, CA:  
Ten Mile Beach, Virgin Creek Beach, Glass Beach,  
Trestle Loop, Lighthouse Loop-Combined  
(Trestle and Lighthouse Loops added 2014)

Total Watchlisted Shorebird Sightings  
2007-2022 251,787

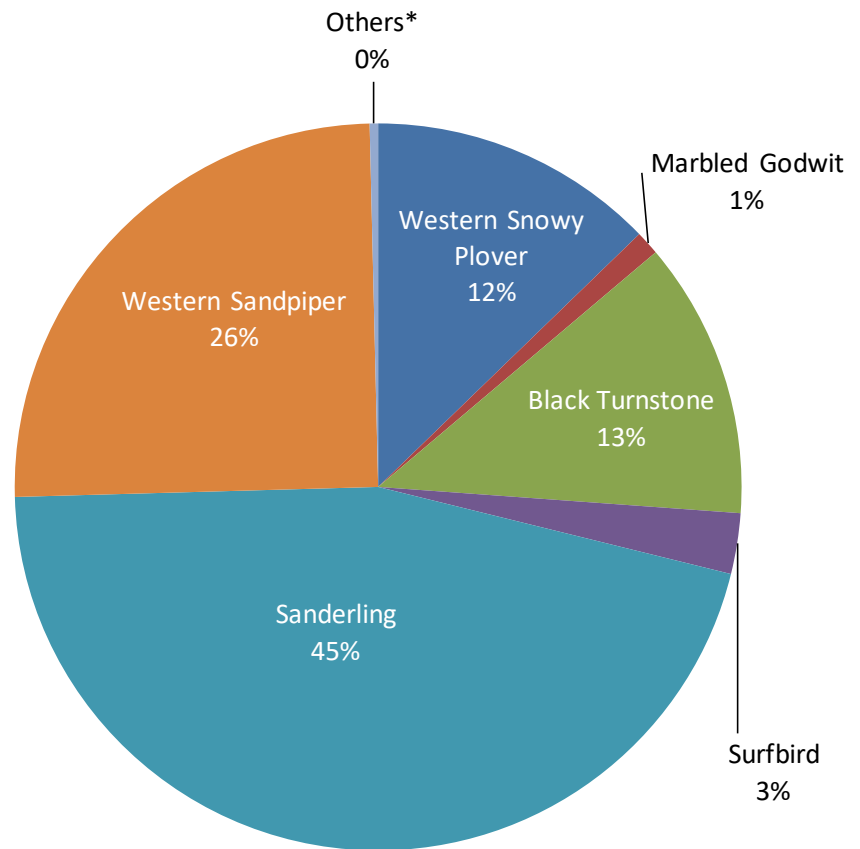
Sources: SOS Data Sheets, SOS eBird Species Totals,  
SOS Annual Reports 2007-2022

Save Our Shorebirds - Mendocino Coast Audubon Society  
Becky Bowen, Volunteer Compiler, SOS Co-founder  
[casparbeck@comcast.net](mailto:casparbeck@comcast.net)

Angela M. Liebenberg, SOS Co-founder

\*Others: American Golden-Plover, Wandering Tattler,  
Long-billed Curlew, Red Knot, Semipalmated Sandpiper,  
Rock Sandpiper, Hudsonian Godwit, Buff-breasted  
Sandpiper

[www.facebook.com/SaveOurShorebirds](https://www.facebook.com/SaveOurShorebirds)



**Major Watchlisted Shorebird Detail 2007-2022**

Glass Beach, Virgin Creek, Ten Mile Beach, Trestle Loop, Lighthouse Loop - Combined

Sources: SOS Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

Western Snowy Plover	32,122
Marbled Godwit	2,704
Black Turnstone	31,018
Surfbird	6,798
Sanderling	115,096
Western Snowy Plover	63,107
Others **	942
<b>TOTAL</b>	<b>251,787</b>
Others **	
American Golden-Plover	6
Wandering Tattler	486
Long-billed Curlew	253
Red Knot	123
Semipalmated Sandpiper	27
Rock Sandpiper	14
Hudsonian Godwit	6
Buff-breasted Sandpiper	27
Total	942





In gratitude, with appreciation—and in remembrance

Greg Baron

Jim Boyer

Prof. Greg Grantham

Ron LeValley

Frank Menhams

Nancy Pacquette

Warren Wade

John Wilder