

SAVE OUR SHOREBIRDS



American Avocets, Greater Yellowlegs (right) August 28, 2021 Inglenook 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 2—Non-Watchlisted Shorebirds

Save Our Shorebirds

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

Save Our Shorebirds—Mendocino Coast Audubon Society

Table of Contents for Non-Watchlisted* Shorebirds and Common Raven Data

| | |
|--|-------------|
| Recognition and Appreciation of the SOS Volunteer Surveyors | page 2 |
| Black-bellied Plover | pages 4-5 |
| Semipalmated Plover | pages 6-7 |
| Killdeer | pages 8-9 |
| Black Oystercatcher | pages 10-11 |
| Willet | pages 12-13 |
| Whimbrel | pages 14-15 |
| Ruddy Turnstone | pages 16-17 |
| Dunlin | pages 18-19 |
| Least Sandpiper | pages 20-21 |
| peep sp. | pages 22-23 |
| Short-billed Dowitcher | pages 24-25 |
| Long-billed Dowitcher | pages 26-27 |
| Red-necked Phalarope | pages 28-29 |
| Common Raven | pages 30-31 |
| Miscellaneous (Infrequently-seen) Non-Watchlisted Shorebirds | pages 32-39 |
| Non-Watchlisted Shorebird Graphic | page 40 |
| Dedication | page 41 |

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 year-round shorebird censuses in MacKerricher State Park, Mendocino County, CA, and made that 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 was supported by grants, private donations and more than 15,500 hours of volunteer service. The program concluded December 31, 2022. Data were gathered by volunteers in the field along 15.7 km. of the coastline of MacKerricher State Park (including Inglenook Fen-Ten Mile Dunes Preserve) from Ten Mile River south to the southern boundary of Glass Beach in Fort Bragg, CA. Some 32 per cent of all shorebird sightings recorded on SOS surveys are non-watchlisted shorebirds, compared to watchlisted shorebirds that comprise 68 per cent of shorebird sightings recorded by SOS surveyors. Common Raven data (included in this shorebird report) are important because ravens prey on shorebirds, especially nesting birds and chicks. Please note data-gathering and reporting were impacted in 2020 by the covid 19 pandemic that occasioned closings of California State Parks. Significant spring migration shorebird data were lost.

*National Audubon Society and the American Bird Conservancy published a national "Watchlist" of birds in 2007. Species that appeared on the Watchlist are described as birds in serious decline as a result of climate change, loss of habitat, environmental degradation, human disturbance or predation. Seven years after SOS was established, the North American Bird Conservation Initiative included the following additional species in the organization's shorebird watchlist: Black Oystercatcher, Lesser Yellowlegs, Willet, Whimbrel (North American population), Pectoral Sandpiper, and Dunlin. To maintain consistency, in SOS data, these species are included in part 2 (non-watchlisted shorebirds) of this annual report.

February 14, 2023

Becky Bowen, Volunteer Compiler, SOS Co-founder
Mendocino Coast Audubon Society
casparbeck@mcn.org

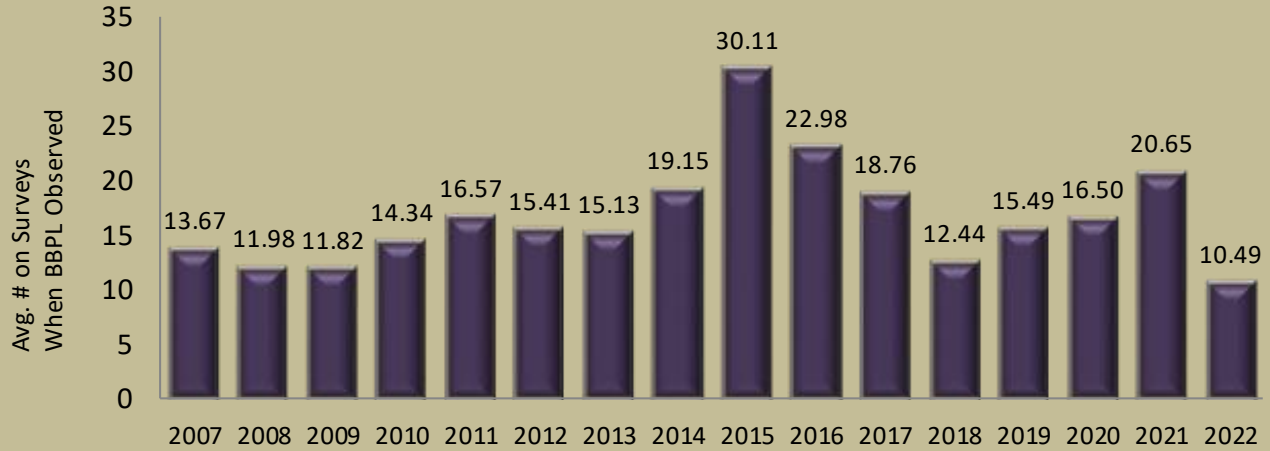


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BLACK-BELLIED PLOVER

SOS Black-bellied Plover 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 SOS Lighthouse Loop data submitted in 2022

SOS Black-bellied Plover Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|--------------|-------------|---------------|
| | BBL | When BBPL | BBPL |
| | Per Survey | Observed | Sightings |
| 2007 | 13.67 | 109 | 1,490 |
| 2008 | 11.98 | 124 | 1,485 |
| 2009 | 11.82 | 116 | 1,371 |
| 2010 | 14.34 | 87 | 1,248 |
| 2011 | 16.57 | 110 | 1,823 |
| 2012 | 15.41 | 157 | 2,420 |
| 2013 | 15.13 | 120 | 1,815 |
| 2014 | 19.15 | 155 | 2,969 |
| 2015 | 30.11 | 129 | 3,884 |
| 2016 | 22.98 | 82 | 1,884 |
| 2017 | 18.76 | 71 | 1,332 |
| 2018 | 12.44 | 84 | 1,045 |
| 2019 | 15.49 | 73 | 1,131 |
| 2020 | 16.50 | 105 | 1,732 |
| 2021 | 20.65 | 68 | 1,404 |
| 2022 | 10.49 | 65 | 682 |
| Yr. Avg. | 16.75 | 1655 | 27,715 |

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

Source: 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 | | | | | | 1 | 100 | 35 | 36 | 43 | 50 | 45 |
| 2008 | 20 | 20 | 2 | 0 | 0 | 3 | 50 | 39 | 45 | 32 | 25 | 5 |
| 2009 | 25 | 19 | 0 | 0 | 7 | 0 | 16 | 44 | 27 | 25 | 60 | 16 |
| 2010 | 17 | 0 | 0 | 4 | 9 | 1 | 32 | 22 | 43 | 58 | 40 | 28 |
| 2011 | 28 | 15 | 5 | 0 | 1 | 0 | 14 | 54 | 41 | 56 | 57 | 48 |
| 2012 | 68 | 56 | 13 | 10 | 10 | 1 | 24 | 35 | 28 | 48 | 80 | 47 |
| 2013 | 40 | 36 | 15 | 6 | 10 | 1 | 18 | 25 | 26 | 47 | 76 | 59 |
| 2014 | 51 | 56 | 7 | 10 | 4 | 3 | 31 | 37 | 37 | 130 | 86 | 105 |
| 2015 | 68 | 44 | 47 | 47 | 11 | 0 | 50 | 67 | 45 | 161 | 167 | 160 |
| 2016 | 152 | 68 | 11 | 15 | 38 | 1 | 37 | 39 | 47 | 52 | 62 | 75 |
| 2017 | 7 | 0 | 27 | 3 | 8 | 0 | 12 | 31 | 36 | 65 | 57 | 65 |
| 2018 | 37 | 26 | 1 | 4 | 3 | 1 | 9 | 29 | 43 | 27 | 47 | 21 |
| 2019 | 12 | 0 | 0 | 5 | 3 | 0 | 4 | 35 | 34 | 58 | 71 | 72 |
| 2020 | 35 | 27 | 22 | 2 | 2 | 1 | 19 | 22 | 43 | 52 | 91 | 95 |
| 2021 | 53 | 5 | 38 | 37 | 26 | 1 | 3 | 19 | 37 | 82 | 71 | 82 |
| 2022 | 43 | 39 | 21 | 45 | 5 | 0 | 4 | 15 | 7 | 36 | 10 | 44 |

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

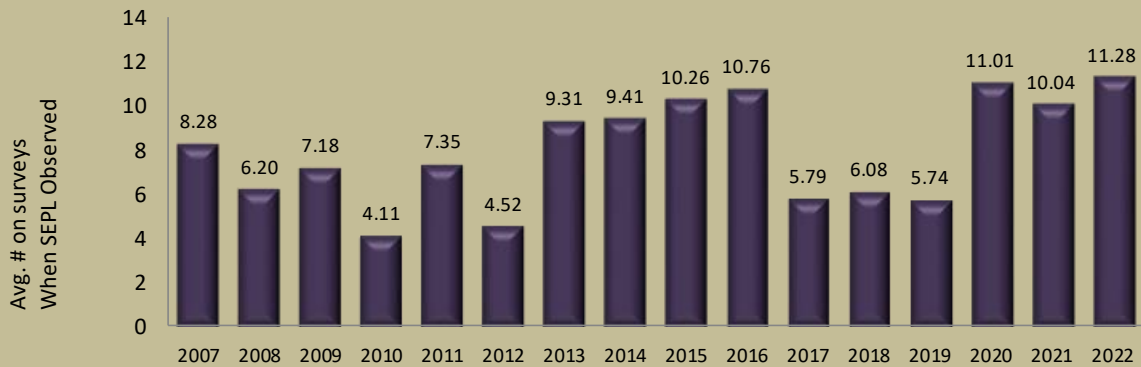
Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| 2007 | | | | | | 1.00 | 10.94 | 13.53 | 14.43 | 18.43 | 25.50 | 45.00 |
| 2008 | 17.50 | 12.00 | 2.00 | 0.00 | 0.00 | 2.00 | 5.77 | 15.06 | 15.52 | 18.17 | 17.50 | 5.00 |
| 2009 | 16.00 | 19.00 | 0.00 | 0.00 | 4.00 | 0.00 | 3.83 | 14.02 | 12.80 | 7.75 | 23.20 | 16.00 |
| 2010 | 17.00 | 0.00 | 0.00 | 2.67 | 5.67 | 1.00 | 6.90 | 10.58 | 17.94 | 19.46 | 23.50 | 17.80 |
| 2011 | 17.00 | 7.40 | 5.00 | 0.00 | 1.00 | 0.00 | 4.24 | 16.50 | 22.42 | 22.47 | 28.71 | 16.50 |
| 2012 | 17.62 | 16.69 | 7.40 | 5.11 | 4.36 | 1.00 | 8.69 | 19.69 | 11.14 | 17.00 | 39.67 | 37.00 |
| 2013 | 26.25 | 26.75 | 7.00 | 2.57 | 4.00 | 1.00 | 4.00 | 9.50 | 11.56 | 23.82 | 31.50 | 33.50 |
| 2014 | 41.00 | 15.25 | 3.40 | 4.11 | 2.43 | 2.00 | 10.68 | 13.07 | 14.41 | 30.30 | 27.75 | 55.14 |
| 2015 | 49.00 | 26.57 | 26.00 | 19.80 | 3.50 | 0.00 | 17.18 | 30.90 | 16.41 | 33.29 | 68.33 | 59.75 |
| 2016 | 42.86 | 67.50 | 6.33 | 5.86 | 26.67 | 1.00 | 13.93 | 18.11 | 24.71 | 18.60 | 34.00 | 28.12 |
| 2017 | 4.67 | 0.00 | 14.00 | 1.60 | 4.50 | 0.00 | 6.30 | 11.39 | 25.80 | 28.12 | 36.10 | 36.25 |
| 2018 | 16.14 | 15.50 | 1.00 | 2.00 | 1.60 | 1.00 | 2.80 | 10.43 | 21.40 | 12.11 | 22.82 | 12.45 |
| 2019 | 6.43 | 0.00 | 0.00 | 2.50 | 1.75 | 0.00 | 3.33 | 12.33 | 11.65 | 20.27 | 34.40 | 20.00 |
| 2020 | 17.00 | 17.80 | 9.13 | 1.67 | 1.50 | 1.00 | 9.89 | 3.64 | 9.10 | 21.50 | 32.53 | 66.67 |
| 2021 | 31.75 | 40.75 | 16.00 | 10.88 | 15.75 | 1.00 | 1.57 | 7.22 | 19.25 | 29.25 | 51.00 | 66.50 |
| 2022 | 30.50 | 11.63 | 7.40 | 18.14 | 2.80 | 0.00 | 2.33 | 4.07 | 4.00 | 25.80 | 5.50 | 19.67 |

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

SEMIPALMATED PLOVER

SOS Semipalmated Plover 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 SOS Lighthouse Loop data submitted in 2022

SOS Semipalmated Plover Yearly Average Totals 2007-2022

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

| Year | Avg. # | # Surveys | Total |
|-----------------|-------------|--------------|--------------|
| | SEPL | When SEPL | SEPL |
| | Per Survey | Observed | Sightings |
| 2007 | 8.28 | 87 | 720 |
| 2008 | 6.20 | 92 | 570 |
| 2009 | 7.18 | 96 | 689 |
| 2010 | 4.11 | 55 | 226 |
| 2011 | 7.35 | 91 | 669 |
| 2012 | 4.52 | 73 | 330 |
| 2013 | 9.31 | 77 | 717 |
| 2014 | 9.41 | 90 | 847 |
| 2015 | 10.26 | 61 | 626 |
| 2016 | 10.76 | 74 | 796 |
| 2017 | 5.79 | 57 | 330 |
| 2018 | 6.08 | 66 | 401 |
| 2019 | 5.74 | 47 | 270 |
| 2020 | 11.01 | 76 | 837 |
| 2021 | 10.04 | 72 | 723 |
| 2022 | 11.28 | 57 | 643 |
| Yr. Avg. | 8.02 | 1,171 | 9,394 |

SOS Semipalmated Plover 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 | | | | | | 1 | 70 | 27 | 28 | 1 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 2 | 0 | 0 | 16 | 20 | 26 | 6 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 25 | 10 | 2 | 16 | 33 | 21 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 8 | 4 | 0 | 21 | 7 | 9 | 4 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 1 | 3 | 1 | 22 | 28 | 27 | 3 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 4 | 11 | 1 | 11 | 20 | 10 | 1 | 0 | 0 |
| 2013 | 0 | 0 | 0 | 26 | 29 | 0 | 35 | 41 | 34 | 3 | 0 | 0 |
| 2014 | 0 | 0 | 0 | 18 | 34 | 4 | 52 | 54 | 31 | 4 | 0 | 0 |
| 2015 | 0 | 0 | 0 | 260 | 4 | 9 | 40 | 17 | 8 | 4 | 1 | 0 |
| 2016 | 0 | 0 | 0 | 60 | 75 | 4 | 22 | 38 | 28 | 2 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 23 | 11 | 1 | 23 | 19 | 10 | 2 | 2 | 0 |
| 2018 | 0 | 0 | 0 | 20 | 25 | 4 | 11 | 18 | 12 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 0 | 40 | 15 | 6 | 16 | 19 | 6 | 7 | 0 | 0 |
| 2020 | 0 | 0 | 0 | 78 | 3 | 4 | 18 | 93 | 47 | 75 | 11 | 0 |
| 2021 | 0 | 0 | 0 | 25 | 57 | 1 | 68 | 38 | 17 | 4 | 0 | 0 |
| 2022 | 0 | 0 | 0 | 50 | 125 | 0 | 19 | 105 | 13 | 14 | 0 | 0 |

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

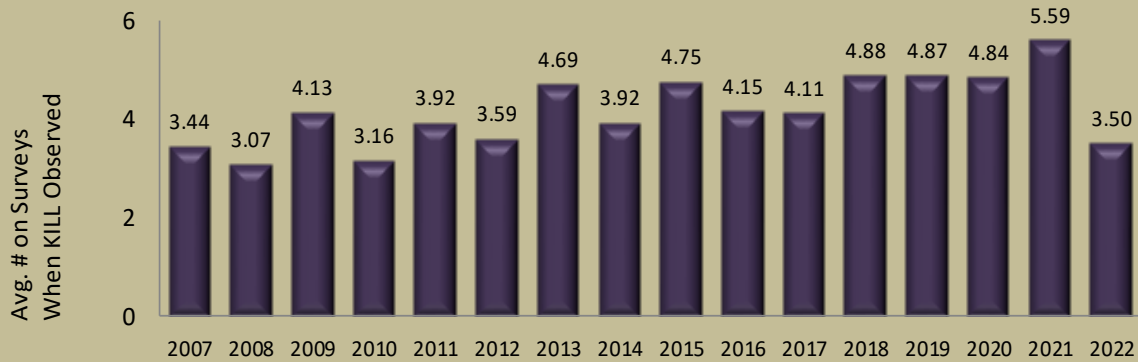
Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|------|------|------|-------|-------|------|-------|-------|-------|-------|-------|------|
| 2007 | | | | | | 1.00 | 15.56 | 6.39 | 6.93 | 1.00 | 0.00 | 0.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 5.42 | 5.82 | 7.76 | 4.50 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 17.00 | 3.75 | 2.00 | 4.58 | 8.26 | 8.20 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 0.00 | 4.67 | 4.00 | 0.00 | 6.00 | 3.57 | 3.65 | 2.50 | 0.00 | 0.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 1.00 | 3.00 | 1.00 | 5.54 | 8.90 | 8.40 | 2.00 | 0.00 | 0.00 |
| 2012 | 0.00 | 0.00 | 0.00 | 4.00 | 4.71 | 1.00 | 3.47 | 5.97 | 3.29 | 1.00 | 0.00 | 0.00 |
| 2013 | 0.00 | 0.00 | 0.00 | 12.00 | 9.86 | 0.00 | 8.00 | 9.57 | 10.50 | 2.00 | 0.00 | 0.00 |
| 2014 | 0.00 | 0.00 | 0.00 | 10.50 | 12.00 | 2.50 | 9.96 | 9.33 | 9.71 | 1.75 | 0.00 | 0.00 |
| 2015 | 0.00 | 0.00 | 0.00 | 49.75 | 3.33 | 3.25 | 5.85 | 4.42 | 3.60 | 2.67 | 1.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 9.47 | 16.60 | 2.50 | 7.59 | 16.67 | 7.77 | 1.50 | 0.00 | 0.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 10.71 | 4.20 | 1.00 | 6.75 | 6.16 | 4.58 | 1.50 | 1.50 | 0.00 |
| 2018 | 0.00 | 0.00 | 0.00 | 7.80 | 5.82 | 3.00 | 5.31 | 7.71 | 5.07 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 16.00 | 3.62 | 2.25 | 8.50 | 5.13 | 2.33 | 2.75 | 0.00 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 46.50 | 2.33 | 2.00 | 5.89 | 12.30 | 10.92 | 20.20 | 11.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 0.00 | 10.67 | 14.83 | 0.50 | 12.93 | 8.89 | 6.64 | 2.50 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 16.33 | 20.80 | 0.00 | 7.00 | 11.13 | 5.00 | 5.00 | 0.00 | 0.00 |

KILLDEER

SOS Killdeer Yearly Average Totals 2007-2022

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



Source: SOS Data Sheets, SOS eBird Species Totals, SOS Data Sheets 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 Killdeer Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------|--------------|---------------|
| | KILL | When KILL | KILL |
| | Per Survey | Observed | Sightings |
| 2007 | 3.44 | 127 | 437 |
| 2008 | 3.07 | 151 | 463 |
| 2009 | 4.13 | 142 | 587 |
| 2010 | 3.16 | 128 | 404 |
| 2011 | 3.92 | 166 | 650 |
| 2012 | 3.59 | 182 | 653 |
| 2013 | 4.69 | 173 | 812 |
| 2014 | 3.92 | 193 | 756 |
| 2015 | 4.75 | 167 | 793 |
| 2016 | 4.15 | 129 | 535 |
| 2017 | 4.11 | 125 | 514 |
| 2018 | 4.88 | 154 | 752 |
| 2019 | 4.87 | 137 | 667 |
| 2020 | 4.84 | 168 | 813 |
| 2021 | 5.59 | 141 | 788 |
| 2022 | 3.50 | 117 | 410 |
| Yr. Avg. | 4.18 | 2,400 | 10,034 |

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

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

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 2007 | | | | | | 6 | 15 | 8 | 12 | 40 | 22 | 11 |
| 2008 | 1 | 5 | 1 | 0 | 0 | 8 | 8 | 7 | 7 | 20 | 1 | 6 |
| 2009 | 0 | 1 | 0 | 1 | 5 | 7 | 16 | 13 | 11 | 24 | 25 | 0 |
| 2010 | 0 | 3 | 7 | 6 | 3 | 7 | 8 | 8 | 7 | 8 | 6 | 2 |
| 2011 | 0 | 1 | 9 | 6 | 3 | 4 | 10 | 9 | 10 | 21 | 8 | 22 |
| 2012 | 11 | 11 | 3 | 4 | 6 | 2 | 7 | 9 | 8 | 12 | 19 | 11 |
| 2013 | 3 | 13 | 5 | 6 | 8 | 10 | 21 | 10 | 12 | 25 | 25 | 12 |
| 2014 | 9 | 8 | 11 | 12 | 9 | 6 | 6 | 6 | 11 | 16 | 34 | 31 |
| 2015 | 11 | 11 | 4 | 2 | 5 | 8 | 14 | 25 | 12 | 22 | 26 | 13 |
| 2016 | 0 | 3 | 1 | 3 | 14 | 13 | 8 | 15 | 8 | 18 | 20 | 5 |
| 2017 | 2 | 4 | 1 | 4 | 3 | 4 | 12 | 11 | 24 | 22 | 16 | 15 |
| 2018 | 8 | 4 | 7 | 3 | 6 | 6 | 8 | 7 | 20 | 27 | 24 | 12 |
| 2019 | 16 | 3 | 6 | 4 | 9 | 6 | 5 | 5 | 12 | 9 | 50 | 2 |
| 2020 | 3 | 5 | 5 | 3 | 5 | 5 | 5 | 12 | 11 | 13 | 28 | 35 |
| 2021 | 36 | 20 | 14 | 4 | 4 | 3 | 9 | 15 | 29 | 21 | 27 | 6 |
| 2022 | 7 | 1 | 6 | 2 | 3 | 11 | 5 | 9 | 9 | 14 | 9 | 7 |

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

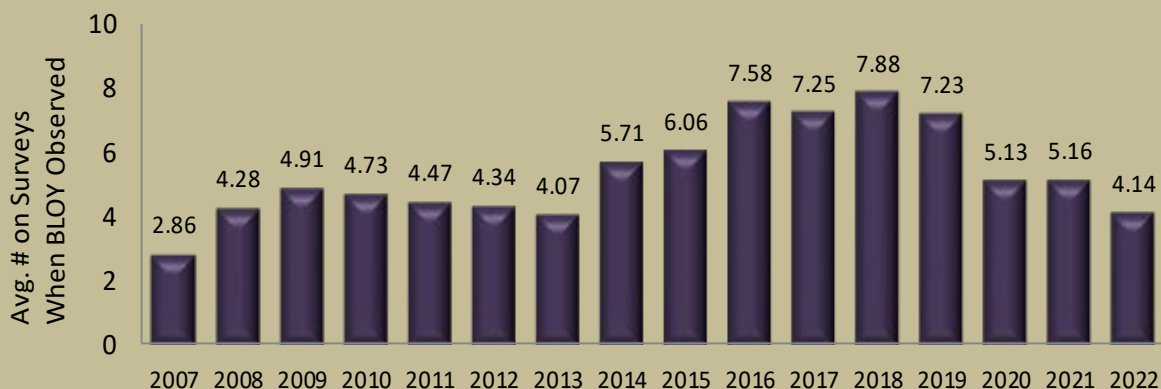
Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 2007 | | | | | | 2.90 | 2.73 | 2.66 | 3.29 | 10.83 | 11.50 | 11.00 |
| 2008 | 1.00 | 3.50 | 1.00 | 0.00 | 0.00 | 2.65 | 2.66 | 2.72 | 3.00 | 9.57 | 1.00 | 4.50 |
| 2009 | 0.00 | 1.00 | 0.00 | 1.00 | 2.14 | 3.50 | 4.89 | 4.05 | 3.29 | 5.50 | 6.14 | 0.00 |
| 2010 | 0.00 | 2.00 | 4.00 | 3.60 | 2.25 | 3.75 | 3.20 | 2.71 | 3.45 | 3.88 | 3.17 | 2.00 |
| 2011 | 0.00 | 1.00 | 5.00 | 3.50 | 1.83 | 1.86 | 4.00 | 3.11 | 4.10 | 6.00 | 4.67 | 6.40 |
| 2012 | 4.93 | 4.19 | 2.25 | 2.11 | 2.08 | 1.25 | 2.44 | 3.39 | 3.11 | 5.65 | 7.33 | 4.50 |
| 2013 | 2.25 | 5.67 | 2.67 | 2.89 | 3.09 | 5.00 | 4.76 | 4.35 | 5.36 | 5.47 | 6.64 | 5.50 |
| 2014 | 5.40 | 5.00 | 4.00 | 3.18 | 3.00 | 3.22 | 2.49 | 2.56 | 3.44 | 5.54 | 7.69 | 7.71 |
| 2015 | 5.33 | 6.00 | 2.22 | 1.40 | 2.25 | 3.75 | 4.27 | 4.15 | 4.28 | 8.40 | 8.50 | 6.00 |
| 2016 | 0.00 | 2.33 | 1.00 | 1.93 | 4.69 | 4.70 | 3.10 | 4.82 | 3.67 | 7.50 | 7.00 | 3.00 |
| 2017 | 1.67 | 2.50 | 1.00 | 1.86 | 1.50 | 1.83 | 3.18 | 3.29 | 6.47 | 8.12 | 5.64 | 4.83 |
| 2018 | 4.40 | 2.33 | 2.80 | 2.14 | 2.83 | 3.45 | 3.96 | 3.17 | 5.10 | 9.64 | 11.00 | 4.82 |
| 2019 | 7.50 | 1.75 | 3.33 | 1.38 | 3.10 | 2.94 | 2.22 | 2.75 | 5.13 | 5.56 | 13.56 | 2.00 |
| 2020 | 2.33 | 2.73 | 2.38 | 2.75 | 2.13 | 2.80 | 2.15 | 3.77 | 4.95 | 5.53 | 9.67 | 13.50 |
| 2021 | 17.50 | 8.50 | 4.67 | 1.88 | 1.67 | 2.00 | 5.50 | 3.36 | 5.28 | 8.07 | 13.09 | 3.50 |
| 2022 | 4.50 | 1.00 | 2.40 | 1.67 | 1.90 | 3.82 | 2.35 | 2.79 | 4.91 | 5.73 | 4.56 | 5.20 |

BLACK OYSTERCATCHER

SOS Black Oystercatcher 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 SOS Lighthouse Loop data submitted in 2022

SOS Black Oystercatcher Yearly Average Totals 2007-2022

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

| | Avg.# | # Surveys | Total |
|----------------|-------------|--------------|---------------|
| | BLOY | When BLOY | BLOY |
| | Per Survey | Observed | Sightings |
| 2007 | 2.86 | 187 | 534 |
| 2008 | 4.28 | 176 | 753 |
| 2009 | 4.91 | 190 | 933 |
| 2010 | 4.73 | 139 | 657 |
| 2011 | 4.47 | 244 | 1,091 |
| 2012 | 4.34 | 215 | 933 |
| 2013 | 4.07 | 159 | 647 |
| 2014 | 5.71 | 221 | 1,261 |
| 2015 | 6.06 | 281 | 1,702 |
| 2016 | 7.58 | 229 | 1,736 |
| 2017 | 7.25 | 223 | 1,617 |
| 2018 | 7.88 | 236 | 1,860 |
| 2019 | 7.23 | 222 | 1,605 |
| 2020 | 5.13 | 205 | 1,051 |
| 2021 | 5.16 | 185 | 954 |
| 2022 | 4.14 | 161 | 666 |
| Yr.Avg. | 5.50 | 3,273 | 18,000 |

SOS Black Oystercatcher High Counts 2007-2022 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Com-

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 | | | | | | 6 | 8 | 15 | 4 | 2 | 1 | 2 |
| 2008 | 1 | 2 | 1 | 0 | 0 | 15 | 21 | 13 | 14 | 8 | 7 | 0 |
| 2009 | 2 | 3 | 0 | 2 | 12 | 12 | 23 | 25 | 11 | 3 | 7 | 2 |
| 2010 | 10 | 2 | 7 | 7 | 10 | 7 | 16 | 13 | 13 | 8 | 11 | 6 |
| 2011 | 8 | 10 | 14 | 14 | 10 | 11 | 13 | 14 | 9 | 6 | 4 | 11 |
| 2012 | 6 | 8 | 8 | 8 | 12 | 5 | 11 | 11 | 8 | 9 | 7 | 5 |
| 2013 | 6 | 8 | 8 | 9 | 10 | 7 | 12 | 12 | 6 | 5 | 5 | 6 |
| 2014 | 6 | 3 | 11 | 9 | 14 | 15 | 14 | 14 | 18 | 47 | 61 | 23 |
| 2015 | 48 | 33 | 15 | 10 | 11 | 16 | 17 | 21 | 16 | 8 | 5 | 29 |
| 2016 | 22 | 22 | 30 | 35 | 16 | 10 | 15 | 13 | 39 | 25 | 50 | 54 |
| 2017 | 62 | 9 | 13 | 15 | 21 | 20 | 29 | 21 | 24 | 33 | 24 | 35 |
| 2018 | 62 | 22 | 17 | 23 | 9 | 14 | 24 | 19 | 24 | 46 | 45 | 42 |
| 2019 | 47 | 10 | 24 | 19 | 23 | 20 | 21 | 23 | 16 | 28 | 35 | 46 |
| 2020 | 20 | 35 | 10 | 3 | 8 | 11 | 18 | 15 | 30 | 27 | 17 | 7 |
| 2021 | 28 | 7 | 9 | 12 | 11 | 5 | 20 | 14 | 27 | 30 | 8 | 7 |
| 2022 | 9 | 10 | 11 | 7 | 10 | 5 | 13 | 11 | 9 | 6 | 7 | 7 |

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

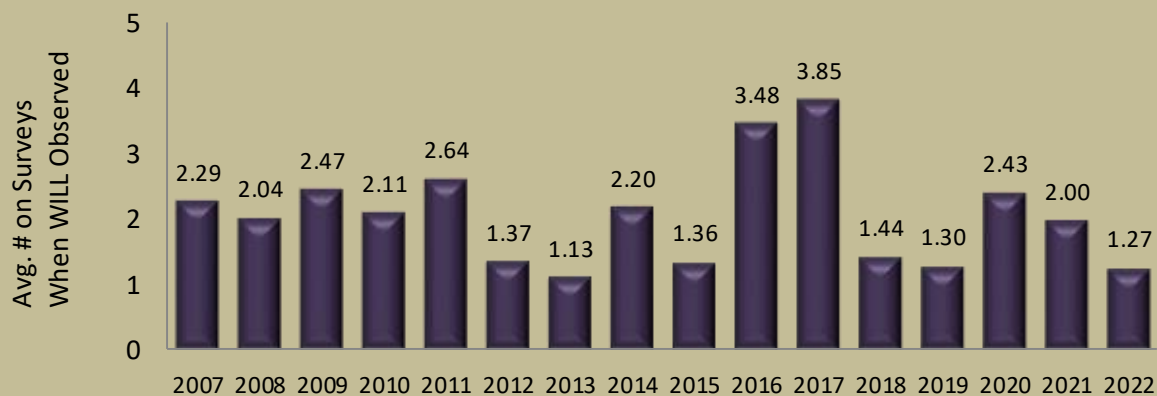
Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|-------|------|-------|------|------|------|------|------|-------|------|-------|-------|
| 2007 | | | | | | 2.97 | 3.06 | 3.12 | 2.19 | 1.57 | 1.00 | 1.50 |
| 2008 | 1.00 | 2.00 | 1.00 | 0.00 | 0.00 | 4.00 | 4.64 | 3.90 | 5.00 | 4.50 | 4.50 | 0.00 |
| 2009 | 2.00 | 2.50 | 0.00 | 2.00 | 5.00 | 6.36 | 6.03 | 4.97 | 3.16 | 1.67 | 3.88 | 2.00 |
| 2010 | 10.00 | 1.50 | 2.50 | 4.57 | 5.17 | 4.86 | 5.53 | 5.60 | 4.47 | 2.42 | 4.20 | 3.57 |
| 2011 | 4.86 | 4.30 | 6.27 | 6.60 | 5.80 | 4.32 | 4.56 | 4.08 | 4.22 | 4.57 | 2.40 | 3.67 |
| 2012 | 4.00 | 3.50 | 5.00 | 5.12 | 4.81 | 3.60 | 4.63 | 4.32 | 3.76 | 4.67 | 3.60 | 4.33 |
| 2013 | 3.22 | 5.17 | 4.71 | 4.75 | 5.73 | 4.25 | 4.65 | 3.90 | 3.12 | 3.00 | 2.90 | 3.57 |
| 2014 | 3.25 | 1.67 | 6.40 | 5.00 | 5.25 | 5.00 | 4.80 | 4.12 | 4.55 | 8.33 | 11.39 | 6.86 |
| 2015 | 13.50 | 9.42 | 6.37 | 3.91 | 4.76 | 6.45 | 4.96 | 5.40 | 5.29 | 3.39 | 3.20 | 9.92 |
| 2016 | 7.00 | 4.75 | 12.69 | 6.95 | 4.45 | 4.58 | 5.00 | 4.48 | 7.21 | 8.15 | 13.94 | 19.42 |
| 2017 | 14.00 | 6.17 | 6.60 | 7.46 | 4.45 | 5.71 | 5.86 | 7.52 | 6.58 | 9.11 | 8.12 | 8.93 |
| 2018 | 14.64 | 9.27 | 7.00 | 7.53 | 5.31 | 5.32 | 5.83 | 6.31 | 8.82 | 9.33 | 10.36 | 14.20 |
| 2019 | 10.93 | 4.00 | 9.07 | 7.89 | 7.48 | 5.55 | 5.82 | 6.58 | 6.88 | 6.88 | 8.00 | 9.00 |
| 2020 | 6.67 | 8.80 | 5.50 | 2.00 | 4.42 | 3.90 | 5.39 | 4.03 | 5.50 | 7.00 | 5.38 | 3.60 |
| 2021 | 6.07 | 4.88 | 3.75 | 4.53 | 5.15 | 3.00 | 4.88 | 4.39 | 9.28 | 6.38 | 4.27 | 4.50 |
| 2022 | 5.89 | 4.25 | 4.82 | 3.30 | 4.79 | 3.44 | 4.12 | 4.17 | 4.11 | 3.50 | 3.40 | 3.50 |

WILLET

SOS Willet 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 Total Species Counts, 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 Willet Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------------|------------------|------------------|
| | WILL | When WILL | WILL |
| | Per Survey | Observed | Sightings |
| 2007 | 2.29 | 31 | 71 |
| 2008 | 2.04 | 24 | 49 |
| 2009 | 2.47 | 47 | 116 |
| 2010 | 2.11 | 36 | 76 |
| 2011 | 2.64 | 66 | 174 |
| 2012 | 1.37 | 43 | 59 |
| 2013 | 1.13 | 31 | 35 |
| 2014 | 2.20 | 49 | 108 |
| 2015 | 1.36 | 22 | 30 |
| 2016 | 3.48 | 27 | 94 |
| 2017 | 3.85 | 39 | 150 |
| 2018 | 1.44 | 9 | 13 |
| 2019 | 1.30 | 10 | 13 |
| 2020 | 2.43 | 14 | 34 |
| 2021 | 2.00 | 2 | 4 |
| 2022 | 1.27 | 11 | 14 |
| Yr. Avg. | 2.26 | 461 | 1040 |

SOS Willet 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

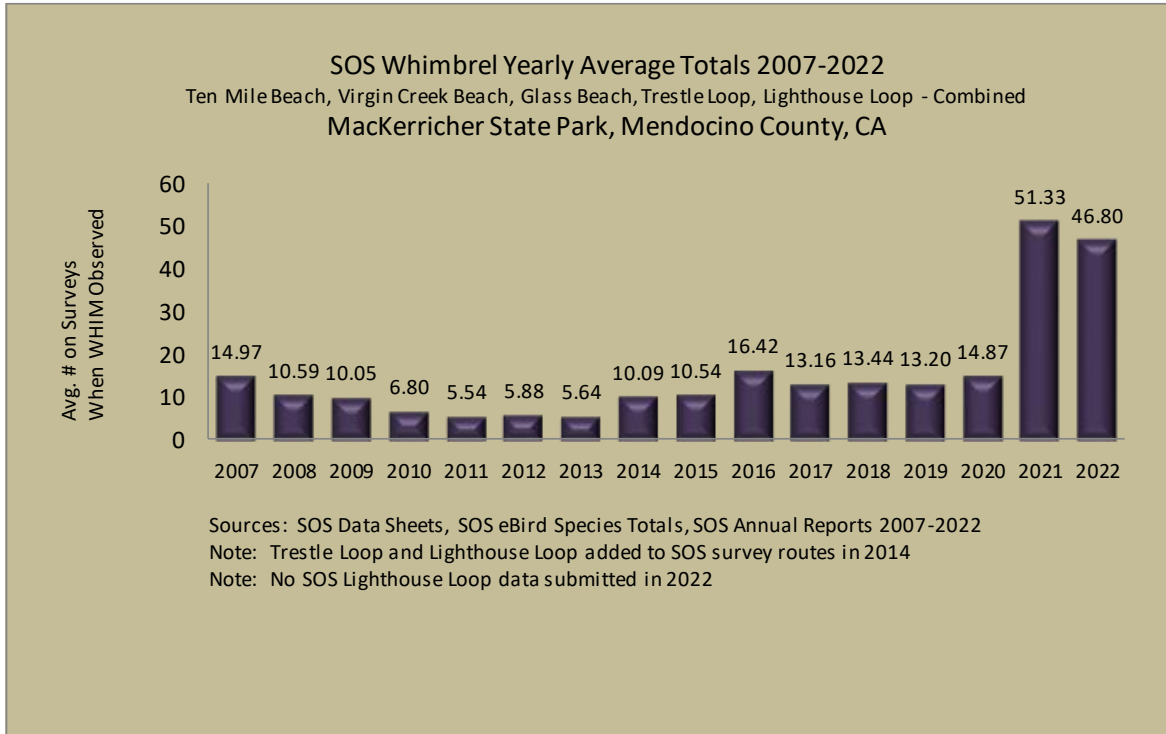
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 2007 | | | | | | 1 | 12 | 3 | 3 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 9 | 2 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 3 | 0 | 1 | 12 | 6 | 0 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 14 | 3 | 2 | 3 | 1 |
| 2011 | 1 | 5 | 2 | 0 | 0 | 0 | 3 | 4 | 11 | 20 | 1 | 0 |
| 2012 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 3 | 1 | 5 | 0 | 0 |
| 2013 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 1 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 | 4 | 3 | 2 | 0 |
| 2015 | 2 | 3 | 1 | 1 | 0 | 1 | 4 | 2 | 0 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 7 | 1 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 9 | 7 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 |
| 2020 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 9 | 0 | 0 | 0 | 0 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 |
| 2022 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |

SOS Willet Monthly Average Counts 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. |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 2007 | | | | | | 1.00 | 3.29 | 1.67 | 1.40 | 0.00 | 0.00 | 0.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.67 | 2.43 | 1.50 | 0.00 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 1.00 | 2.67 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 2.67 | 1.80 | 1.33 | 2.00 | 1.00 |
| 2011 | 1.00 | 2.50 | 2.00 | 0.00 | 0.00 | 0.00 | 1.75 | 1.56 | 3.60 | 9.00 | 1.00 | 0.00 |
| 2012 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 1.43 | 1.21 | 1.00 | 5.00 | 0.00 | 0.00 |
| 2013 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.25 | 1.11 | 1.00 | 0.00 | 0.00 | 1.00 |
| 2014 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.89 | 2.17 | 3.00 | 2.40 | 1.75 | 0.00 |
| 2015 | 1.33 | 2.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.43 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 5.40 | 2.64 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 | 4.75 | 3.20 | 0.00 | 0.00 | 0.00 |
| 2018 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 1.50 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 3.40 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 |

WHIMBREL



SOS Whimbrel Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------------|------------------|------------------|
| | WHIM | When WHIM | WHIM |
| | Per Survey | Observed | Sightings |
| 2007 | 14.97 | 147 | 2,200 |
| 2008 | 10.59 | 169 | 1,789 |
| 2009 | 10.05 | 164 | 1,649 |
| 2010 | 6.80 | 102 | 694 |
| 2011 | 5.54 | 123 | 681 |
| 2012 | 5.88 | 154 | 905 |
| 2013 | 5.64 | 126 | 711 |
| 2014 | 10.09 | 158 | 1,595 |
| 2015 | 10.54 | 136 | 1,434 |
| 2016 | 16.42 | 92 | 1,511 |
| 2017 | 13.16 | 95 | 1,250 |
| 2018 | 13.44 | 96 | 1,290 |
| 2019 | 13.20 | 106 | 1,399 |
| 2020 | 14.87 | 68 | 1,011 |
| 2021 | 51.33 | 43 | 2,207 |
| 2022 | 46.80 | 100 | 4,680 |
| Yr. Avg. | 13.31 | 1,879 | 25,006 |

SOS Whimbrel 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 | | | | | | 29 | 95 | 31 | 8 | 1 | 7 | 0 |
| 2008 | 4 | 0 | 4 | 9 | 10 | 12 | 75 | 23 | 7 | 1 | 0 | 0 |
| 2009 | 0 | 6 | 0 | 25 | 24 | 15 | 56 | 29 | 7 | 1 | 3 | 0 |
| 2010 | 0 | 0 | 1 | 19 | 28 | 6 | 47 | 17 | 2 | 0 | 5 | 0 |
| 2011 | 0 | 4 | 5 | 4 | 14 | 3 | 14 | 19 | 14 | 3 | 1 | 0 |
| 2012 | 3 | 4 | 0 | 12 | 32 | 19 | 23 | 11 | 4 | 12 | 8 | 9 |
| 2013 | 8 | 10 | 9 | 17 | 8 | 4 | 17 | 16 | 9 | 6 | 3 | 8 |
| 2014 | 0 | 2 | 8 | 12 | 19 | 22 | 260 | 8 | 8 | 6 | 5 | 7 |
| 2015 | 8 | 6 | 6 | 40 | 79 | 8 | 125 | 25 | 15 | 7 | 9 | 5 |
| 2016 | 8 | 0 | 2 | 80 | 165 | 15 | 46 | 6 | 3 | 0 | 5 | 6 |
| 2017 | 3 | 0 | 5 | 127 | 71 | 9 | 60 | 60 | 8 | 3 | 5 | 3 |
| 2018 | 3 | 3 | 4 | 125 | 119 | 15 | 44 | 30 | 1 | 1 | 1 | 1 |
| 2019 | 1 | 2 | 19 | 122 | 147 | 35 | 37 | 11 | 8 | 2 | 3 | 2 |
| 2020 | 1 | 1 | 2 | 229 | 165 | 18 | 18 | 11 | 14 | 0 | 1 | 0 |
| 2021 | 0 | 0 | 13 | 250 | 350 | 0 | 33 | 11 | 2 | 0 | 0 | 0 |
| 2022 | 0 | 0 | 1 | 575 | 750 | 45 | 128 | 18 | 9 | 3 | 0 | 0 |

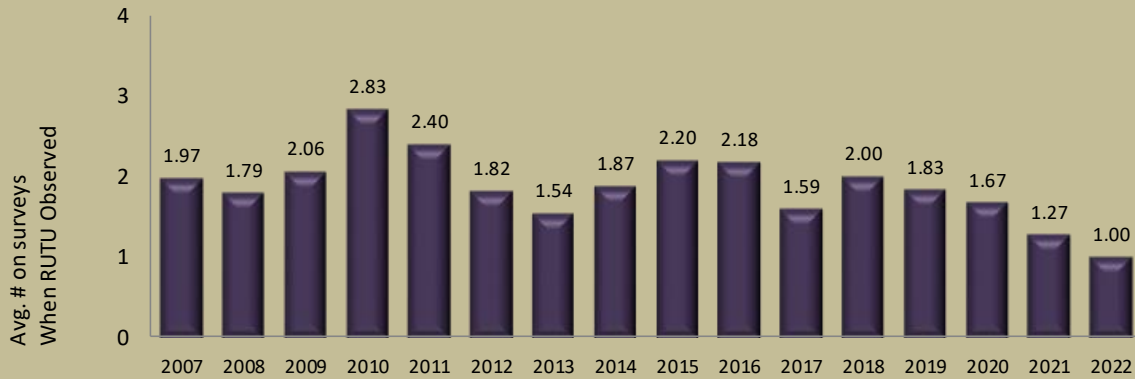
SOS Whimbrel Monthly Average Counts 2007-2022 Ten Mile Beach, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

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. |
|-------------|------|------|------|--------|--------|-------|-------|-------|-------|------|------|------|
| 2007 | | | | | | 7.00 | 27.67 | 7.47 | 2.42 | 1.00 | 7.00 | 0.00 |
| 2008 | 4.00 | 0.00 | 4.00 | 8.00 | 10.00 | 3.33 | 18.76 | 8.32 | 2.33 | 1.00 | 0.00 | 0.00 |
| 2009 | 0.00 | 6.00 | 0.00 | 9.67 | 7.75 | 7.00 | 14.46 | 8.85 | 2.31 | 1.00 | 2.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 1.00 | 7.62 | 10.60 | 2.83 | 10.35 | 4.88 | 1.30 | 0.00 | 3.33 | 0.00 |
| 2011 | 0.00 | 4.00 | 5.00 | 2.50 | 4.80 | 2.00 | 6.77 | 5.09 | 4.11 | 2.67 | 1.00 | 0.00 |
| 2012 | 1.67 | 2.00 | 0.00 | 7.00 | 6.32 | 7.00 | 9.15 | 5.35 | 1.78 | 4.29 | 4.20 | 9.00 |
| 2013 | 3.33 | 5.80 | 6.80 | 7.25 | 4.91 | 2.00 | 8.96 | 5.00 | 4.70 | 3.17 | 2.50 | 8.00 |
| 2014 | 0.00 | 2.00 | 5.60 | 5.46 | 6.28 | 6.77 | 25.45 | 3.97 | 2.08 | 2.83 | 3.00 | 7.00 |
| 2015 | 3.40 | 6.00 | 3.14 | 8.40 | 26.07 | 6.00 | 16.78 | 5.65 | 4.94 | 3.57 | 5.25 | 3.50 |
| 2016 | 8.00 | 0.00 | 1.50 | 13.28 | 49.21 | 8.50 | 12.50 | 2.23 | 1.60 | 0.00 | 4.00 | 4.50 |
| 2017 | 3.00 | 0.00 | 2.25 | 27.14 | 27.09 | 3.38 | 17.00 | 10.27 | 3.31 | 2.50 | 3.33 | 2.50 |
| 2018 | 2.00 | 2.00 | 3.00 | 29.20 | 25.62 | 5.88 | 13.13 | 8.67 | 1.00 | 1.00 | 1.00 | 1.00 |
| 2019 | 1.00 | 1.50 | 8.25 | 25.53 | 31.79 | 11.10 | 10.67 | 3.80 | 2.44 | 1.40 | 1.80 | 2.00 |
| 2020 | 1.00 | 1.00 | 2.00 | 71.50 | 38.62 | 18.00 | 5.93 | 3.78 | 4.80 | 0.00 | 1.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 5.50 | 46.00 | 132.42 | 0.00 | 11.80 | 2.90 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 1.00 | 103.30 | 126.27 | 11.11 | 34.65 | 6.11 | 3.00 | 2.50 | 0.00 | 0.00 |

RUDDY TURNSTONE

SOS Ruddy Turnstone Yearly Average Totals 2007-2022
 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combines
 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 SOS Lighthouse Loop data submitted in 2022

SOS Ruddy Turnstone Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------|------------|------------|
| | RUTU | When RUTU | RUTU |
| | Per Survey | Observed | Sightings |
| 2007 | 1.97 | 31 | 61 |
| 2008 | 1.79 | 14 | 25 |
| 2009 | 2.06 | 35 | 72 |
| 2010 | 2.83 | 24 | 68 |
| 2011 | 2.40 | 25 | 60 |
| 2012 | 1.82 | 28 | 51 |
| 2013 | 1.54 | 13 | 20 |
| 2014 | 1.87 | 15 | 28 |
| 2015 | 2.20 | 15 | 33 |
| 2016 | 2.18 | 11 | 24 |
| 2017 | 1.59 | 17 | 27 |
| 2018 | 2.00 | 1 | 2 |
| 2019 | 1.83 | 6 | 11 |
| 2020 | 1.67 | 6 | 10 |
| 2021 | 1.27 | 15 | 19 |
| 2022 | 1.00 | 7 | 7 |
| Yr. Avg. | 1.97 | 263 | 518 |

SOS Ruddy Turnstone High Counts 2007-2022 Ten Mile, Virgin Creek, 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 | 2 | 6 | 4 | 4 | 0 | 1 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 0 | 0 | 0 | |
| 2009 | 0 | 0 | 0 | 0 | 2 | 2 | *15 | 3 | 1 | 0 | 0 | 0 | |
| 2010 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 1 | 1 | 0 | 0 | 1 | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 2 | 2 | 0 | 0 | 0 | |
| 2012 | 0 | 0 | 0 | 2 | 5 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | |
| 2014 | 0 | 0 | 0 | 2 | 3 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 6 | 1 | 0 | 0 | 0 | |
| 2016 | 0 | 0 | 0 | 6 | 4 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 4 | 1 | 1 | 1 | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| 2019 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | |
| 2021 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 1 | 1 | 2 | |
| 2022 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | |

* low confidence

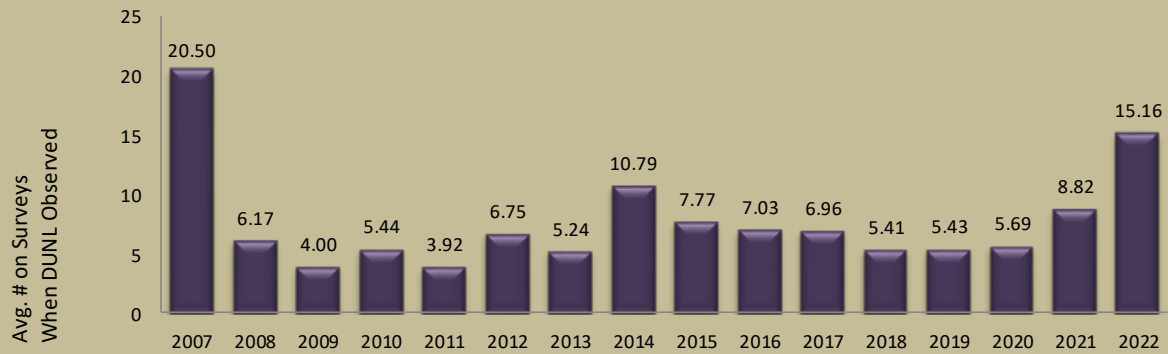
SOS Ruddy Turnstone Monthly Average 2007-2022 Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

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. |
|-------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 2007 | | | | | | 0.00 | 1.12 | 2.21 | 4.00 | 2.50 | 0.00 | 1.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 1.71 | 1.50 | 0.00 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 2.00 | 2.65 | 1.54 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 3.75 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 | 1.30 | 1.25 | 0.00 | 0.00 | 0.00 |
| 2012 | 0.00 | 0.00 | 0.00 | 1.50 | 2.20 | 2.00 | 2.00 | 1.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2014 | 0.00 | 0.00 | 0.00 | 2.00 | 2.00 | 0.00 | 2.43 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2015 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 1.71 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 3.50 | 4.00 | 0.00 | 1.00 | 1.50 | 1.00 | 0.00 | 1.00 | 0.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 1.33 | 1.60 | 1.00 | 1.00 | 1.00 |
| 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 1.00 | 3.00 | 0.00 | 0.00 | 2.00 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 1.33 | 1.00 | 1.00 | 1.00 | 2.00 |
| 2022 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 |

DUNLIN

SOS Dunlin 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, Lighthouse Loop added to SOS survey routes in 2014
 Note: No SOS Lighthouse Loop data submitted in 2022

SOS Dunlin Yearly Average Totals 2007-2022

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

| | Avg. # DUNL Per Survey | # Surveys When DUNL Observed | Total DUNL Sightings |
|-----------------|------------------------------|------------------------------------|----------------------------|
| 2007 | 20.50 | 6 | 123 |
| 2008 | 6.17 | 6 | 37 |
| 2009 | 4.00 | 5 | 20 |
| 2010 | 5.44 | 9 | 49 |
| 2011 | 3.92 | 13 | 51 |
| 2012 | 6.75 | 24 | 162 |
| 2013 | 5.24 | 37 | 194 |
| 2014 | 10.79 | 57 | 615 |
| 2015 | 7.77 | 44 | 342 |
| 2016 | 7.03 | 30 | 211 |
| 2017 | 6.96 | 23 | 160 |
| 2018 | 5.41 | 27 | 146 |
| 2019 | 5.43 | 21 | 114 |
| 2020 | 5.69 | 26 | 148 |
| 2021 | 8.82 | 28 | 247 |
| 2022 | 15.16 | 25 | 379 |
| Yr. Avg. | 7.87 | 381 | 2,998 |

SOS Dunlin 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 | 0 | 30* | 1 | 50 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 18 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 2 | 14 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 4 | 1 |
| 2012 | 0 | 0 | 0 | 21 | 5 | 0 | 0 | 0 | 3 | 22 | 26 | 0 |
| 2013 | 1 | 1 | 0 | 7 | 21 | 0 | 0 | 0 | 1 | 16 | 12 | 5 |
| 2014 | 6 | 6 | 2 | 12 | 36 | 0 | 0 | 1 | 2 | 54 | 37 | 30 |
| 2015 | 3 | 2 | 2 | 16 | 14 | 1 | 1 | 0 | 0 | 81 | 8 | 19 |
| 2016 | 8 | 0 | 0 | 10 | 37 | 0 | 0 | 0 | 1 | 7 | 10 | 1 |
| 2017 | 0 | 0 | 0 | 57 | 8 | 0 | 0 | 0 | 1 | 21 | 4 | 5 |
| 2018 | 2 | 1 | 0 | 1 | 25 | 0 | 0 | 0 | 0 | 21 | 19 | 0 |
| 2019 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 0 | 10 | 14 | 0 |
| 2020 | 0 | 0 | 0 | 15 | 8 | 0 | 0 | 0 | 1 | 30 | 6 | 5 |
| 2021 | 0 | 0 | 1 | 29 | 38 | 0 | 0 | 1 | 5 | 26 | 3 | 3 |
| 2022 | 0 | 0 | 2 | 100 | 60 | 0 | 1 | 0 | 0 | 42 | 2 | 0 |

*low confidence

SOS Dunlin Monthly Average 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. |
|-------------|------|------|------|-------|-------|------|------|-------|-------|-------|-------|-------|
| 2007 | | | | | | | | 30.00 | 1.00 | 30.33 | 0.00 | 0.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 6.80 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 2.00 | 7.50 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 4.00 | 0.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.40 | 3.00 | 1.00 |
| 2012 | 0.00 | 0.00 | 0.00 | 12.00 | 2.25 | 0.00 | 0.00 | 0.00 | 2.00 | 7.50 | 8.33 | 0.00 |
| 2013 | 1.00 | 1.00 | 0.00 | 3.40 | 7.75 | 0.00 | 0.00 | 0.00 | 1.00 | 6.25 | 5.40 | 3.50 |
| 2014 | 5.00 | 4.67 | 1.50 | 3.25 | 7.40 | 0.00 | 0.00 | 1.00 | 1.50 | 20.12 | 15.71 | 8.67 |
| 2015 | 1.83 | 1.50 | 1.50 | 6.75 | 5.25 | 1.00 | 1.00 | 0.00 | 0.00 | 14.46 | 3.40 | 11.67 |
| 2016 | 6.00 | 0.00 | 0.00 | 7.00 | 15.14 | 0.00 | 0.00 | 0.00 | 1.00 | 5.00 | 4.00 | 1.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 21.00 | 3.00 | 0.00 | 0.00 | 0.00 | 1.00 | 8.67 | 2.75 | 4.20 |
| 2018 | 1.50 | 1.00 | 0.00 | 1.00 | 5.75 | 0.00 | 0.00 | 0.00 | 0.00 | 8.25 | 7.38 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 8.50 | 8.40 | 0.00 | 0.00 | 0.00 | 0.00 | 3.56 | 4.60 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 8.00 | 4.50 | 0.00 | 0.00 | 0.00 | 1.00 | 9.25 | 4.63 | 3.00 |
| 2021 | 0.00 | 0.00 | 1.00 | 15.25 | 22.60 | 0.00 | 0.00 | 1.00 | 3.50 | 5.40 | 1.75 | 3.00 |
| 2022 | 0.00 | 0.00 | 2.00 | 19.00 | 20.00 | 0.00 | 1.00 | 0.00 | 0.00 | 12.63 | 2.00 | 0.00 |

LEAST SANDPIPER

SOS Least 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 eBird 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 Least Sandpiper Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------------|------------------|------------------|
| | LESA | When LESA | LESA |
| | Per Survey | Observed | Sightings |
| 2007 | 6.43 | 58 | 373 |
| 2008 | 5.45 | 66 | 360 |
| 2009 | 7.53 | 58 | 437 |
| 2010 | 6.77 | 52 | 352 |
| 2011 | 8.15 | 86 | 701 |
| 2012 | 7.21 | 67 | 483 |
| 2013 | 8.95 | 79 | 707 |
| 2014 | 8.43 | 99 | 835 |
| 2015 | 6.38 | 90 | 574 |
| 2016 | 8.97 | 76 | 682 |
| 2017 | 8.93 | 67 | 598 |
| 2018 | 6.44 | 72 | 464 |
| 2019 | 6.77 | 39 | 264 |
| 2020 | 7.45 | 67 | 499 |
| 2021 | 6.65 | 72 | 479 |
| 2022 | 8.48 | 50 | 424 |
| Yr. Avg. | 7.50 | 1,098 | 8,232 |

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

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 | 6 | 75 | 16 | 1 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 6 | 0 | 0 | 20 | 50 | 12 | 0 | 8 | 0 |
| 2009 | 0 | 0 | 0 | 1 | 0 | 1 | 12 | 60 | 14 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 6 | 5 | 0 | 0 | 8 | 35 | 11 | 0 | 1 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 66 | 11 | 0 | 0 | 7 |
| 2012 | 3 | 0 | 0 | 12 | 5 | 0 | 8 | 34 | 8 | 4 | 6 | 0 |
| 2013 | 0 | 0 | 0 | 19 | 2 | 0 | 55 | 60 | 26 | 2 | 1 | 4 |
| 2014 | 3 | 7 | 2 | 15 | 6 | 0 | 22 | 76 | 30 | 2 | 9 | 1 |
| 2015 | 5 | 2 | 0 | 30 | 7 | 1 | 13 | 35 | 11 | 5 | 1 | 8 |
| 2016 | 6 | 0 | 1 | 45 | 12 | 3 | 20 | 75 | 15 | 4 | 7 | 10 |
| 2017 | 2 | 0 | 2 | 30 | 40 | 4 | 22 | 35 | 30 | 3 | 6 | 6 |
| 2018 | 5 | 8 | 3 | 6 | 5 | 0 | 11 | 48 | 13 | 4 | 6 | 4 |
| 2019 | 3 | 0 | 3 | 1 | 1 | 0 | 3 | 48 | 3 | 1 | 1 | 0 |
| 2020 | 2 | 3 | 1 | 28 | 1 | 18 | 27 | 45 | 7 | 2 | 2 | 1 |
| 2021 | 4 | 0 | 0 | 15 | 1 | 0 | 16 | 32 | 26 | 5 | 20 | 4 |
| 2022 | 0 | 0 | 0 | 10 | 50 | 0 | 13 | 36 | 6 | 13 | 1 | 3 |

SOS Least Sandpiper Average 2007-2022 Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop

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

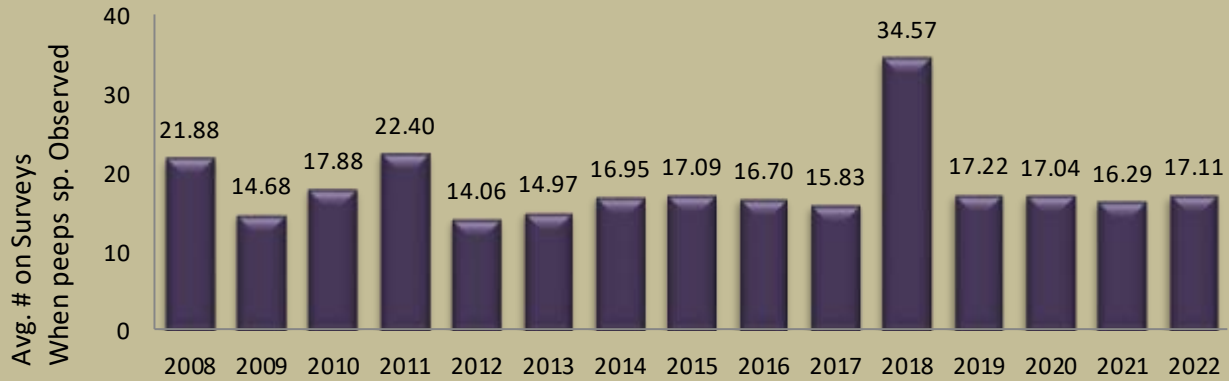
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|------|------|------|-------|-------|-------|------|-------|-------|------|------|------|
| 2007 | | | | | | 0.00 | 3.00 | 9.14 | 4.35 | 1.00 | 0.00 | 0.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 0.00 | 4.35 | 6.71 | 4.00 | 0.00 | 8.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 3.55 | 9.86 | 4.56 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 6.00 | 5.00 | 0.00 | 0.00 | 3.18 | 9.21 | 4.70 | 0.00 | 1.00 | 0.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 12.43 | 4.71 | 0.00 | 0.00 | 3.25 |
| 2012 | 2.50 | 0.00 | 0.00 | 12.00 | 3.50 | 0.00 | 2.90 | 12.17 | 2.73 | 4.00 | 3.33 | 0.00 |
| 2013 | 0.00 | 0.00 | 0.00 | 7.25 | 1.33 | 0.00 | 7.84 | 13.25 | 7.78 | 1.67 | 1.00 | 3.50 |
| 2014 | 3.00 | 7.00 | 2.00 | 10.25 | 3.00 | 0.00 | 6.93 | 13.83 | 6.50 | 1.43 | 3.50 | 1.00 |
| 2015 | 4.00 | 2.00 | 0.00 | 8.33 | 2.75 | 1.00 | 4.65 | 11.66 | 3.53 | 1.89 | 1.00 | 4.00 |
| 2016 | 3.00 | 0.00 | 1.00 | 12.71 | 4.20 | 3.00 | 7.80 | 17.13 | 3.90 | 1.75 | 3.00 | 4.00 |
| 2017 | 2.00 | 0.00 | 2.00 | 12.00 | 40.00 | 4.00 | 6.00 | 12.39 | 9.17 | 1.67 | 5.50 | 2.43 |
| 2018 | 3.00 | 7.00 | 3.00 | 6.00 | 2.33 | 0.00 | 3.82 | 11.54 | 5.07 | 3.00 | 3.20 | 2.00 |
| 2019 | 2.50 | 0.00 | 3.00 | 1.00 | 1.00 | 0.00 | 2.17 | 11.45 | 1.67 | 1.00 | 1.00 | 0.00 |
| 2020 | 2.00 | 2.00 | 1.00 | 19.00 | 1.00 | 18.00 | 6.22 | 10.36 | 3.25 | 2.00 | 1.33 | 1.00 |
| 2021 | 3.67 | 0.00 | 0.00 | 6.25 | 1.00 | 0.00 | 5.94 | 8.28 | 7.33 | 4.00 | 6.00 | 3.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 6.00 | 21.00 | 0.00 | 4.64 | 11.68 | 4.13 | 5.67 | 1.00 | 3.00 |

peep sp.

SOS peep sp. 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, Lighthouse Loop added to SOS survey routes in 2014

Note: No SOS Lighthouse Loop data submitted in 2022

SOS peep sp. Yearly Average Totals 2007-2022

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

| | Avg. # peeps Per Survey | # Surveys When peeps Observed | Total peep Sightings |
|-----------------|-------------------------------|-------------------------------------|----------------------------|
| 2007 | 29.24 | 58 | 1,696 |
| 2008 | 21.88 | 42 | 919 |
| 2009 | 14.68 | 62 | 910 |
| 2010 | 17.88 | 43 | 769 |
| 2011 | 22.40 | 62 | 1,389 |
| 2012 | 14.06 | 53 | 745 |
| 2013 | 14.97 | 30 | 449 |
| 2014 | 16.95 | 37 | 627 |
| 2015 | 17.09 | 33 | 564 |
| 2016 | 16.70 | 27 | 451 |
| 2017 | 15.83 | 24 | 380 |
| 2018 | 34.57 | 28 | 968 |
| 2019 | 17.22 | 37 | 637 |
| 2020 | 17.04 | 26 | 443 |
| 2021 | 16.29 | 24 | 391 |
| 2022 | 17.11 | 18 | 308 |
| Yr. Avg. | 19.28 | 604 | 11,646 |

SOS peep 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

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 2007 | | | | | | 1 | 250 | 90 | 23 | 0 | 0 | 1 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 80 | 25 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 42 | 80 | 1 | 7 | 0 |
| 2010 | 0 | 0 | 0 | 0 | 1 | 0 | 75 | 50 | 22 | 0 | 1 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 20 | 0 | 50 | 140 | 37 | 45 | 0 | 19 |
| 2012 | 4 | 19 | 0 | 5 | 2 | 0 | 25 | 52 | 35 | 0 | 0 | 0 |
| 2013 | 6 | 0 | 0 | 20 | 3 | 0 | 36 | 25 | 70 | 30 | 12 | 0 |
| 2014 | 0 | 0 | 0 | 27 | 1 | 2 | 120 | 30 | 31 | 0 | 0 | 15 |
| 2015 | 0 | 0 | 0 | 2 | 20 | 0 | 40 | 80 | 25 | 0 | 0 | 15 |
| 2016 | 0 | 0 | 1 | 9 | 0 | 0 | 26 | 60 | 21 | 1 | 2 | 1 |
| 2017 | 0 | 0 | 0 | 15 | 80 | 1 | 68 | 30 | 27 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 4 | 200 | 0 | 0 | 400 | 42 | 61 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 0 | 0 | 5 | 0 | 50 | 102 | 20 | 30 | 12 | 6 |
| 2020 | 13 | 12 | 1 | 0 | 25 | 3 | 25 | 120 | 10 | 0 | 0 | 0 |
| 2021 | 0 | 0 | 0 | 40 | 8 | 0 | 30 | 30 | 35 | 0 | 2 | 0 |
| 2022 | 0 | 0 | 0 | 60 | 12 | 15 | 3 | 50 | 20 | 0 | 0 | 0 |

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

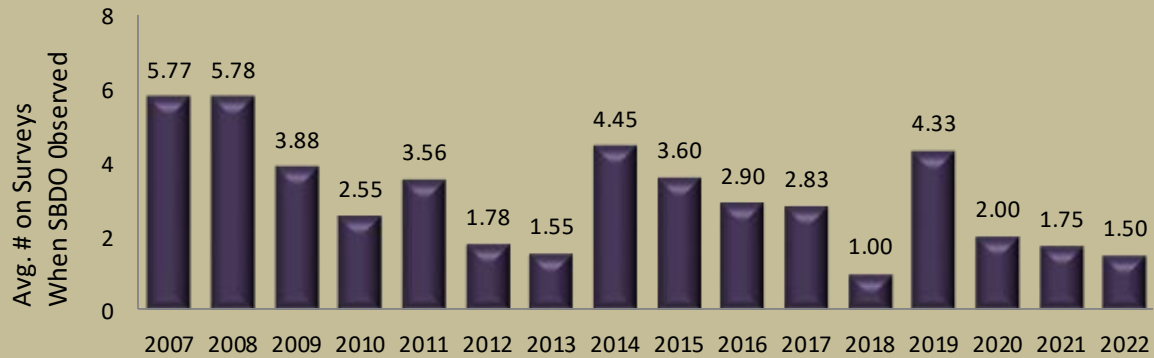
Sources: SOS Data Sheets, SOS eBird Average Counts

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2007 | | | | | | 1.00 | 45.40 | 26.38 | 11.00 | 0.00 | 0.00 | 1.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.54 | 19.64 | 12.86 | 0.00 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 9.36 | 19.14 | 20.33 | 1.00 | 4.50 | 0.00 |
| 2010 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 18.53 | 22.53 | 8.71 | 0.00 | 1.00 | 0.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 0.00 | 17.20 | 26.03 | 15.00 | 27.40 | 0.00 | 9.67 |
| 2012 | 2.22 | 5.08 | 0.00 | 5.00 | 1.50 | 0.00 | 9.89 | 19.80 | 19.00 | 0.00 | 0.00 | 0.00 |
| 2013 | 6.00 | 0.00 | 0.00 | 20.00 | 3.00 | 0.00 | 11.33 | 10.40 | 24.57 | 30.00 | 12.00 | 0.00 |
| 2014 | 0.00 | 0.00 | 0.00 | 27.00 | 1.00 | 2.00 | 24.79 | 12.33 | 12.50 | 0.00 | 0.00 | 15.00 |
| 2015 | 0.00 | 0.00 | 0.00 | 2.00 | 10.50 | 0.00 | 17.56 | 18.47 | 18.00 | 0.00 | 0.00 | 15.00 |
| 2016 | 0.00 | 0.00 | 1.00 | 9.00 | 0.00 | 0.00 | 14.57 | 28.80 | 9.40 | 1.00 | 2.00 | 1.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 15.00 | 80.00 | 1.00 | 22.50 | 11.12 | 10.00 | 0.00 | 0.00 | 0.00 |
| 2018 | 0.00 | 0.00 | 4.00 | 88.67 | 0.00 | 0.00 | 74.33 | 13.62 | 15.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 0.00 | 15.83 | 22.32 | 9.14 | 15.50 | 12.00 | 6.00 |
| 2020 | 13.00 | 12.00 | 1.00 | 0.00 | 25.00 | 3.00 | 11.50 | 28.22 | 10.00 | 0.00 | 0.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 0.00 | 28.67 | 8.00 | 0.00 | 13.86 | 17.50 | 15.50 | 0.00 | 2.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 60.00 | 8.00 | 15.00 | 3.00 | 20.71 | 12.20 | 0.00 | 0.00 | 0.00 |

SHORT-BILLED DOWITCHER

SOS Short-billed Dowitcher Yearly Average Totals 2007-2022

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



Sources: SOS Data Sheets, SOS eBird 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 Short-billed Dowitcher Yearly Average Totals 2007-2022

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

| | Avg. # SBDO Per Survey | # Surveys When SBDO Observed | Total SBDO Sightings |
|-----------------|------------------------------|------------------------------------|----------------------------|
| 2007 | 5.77 | 35 | 202 |
| 2008 | 5.78 | 9 | 52 |
| 2009 | 3.88 | 25 | 97 |
| 2010 | 2.55 | 11 | 28 |
| 2011 | 3.56 | 16 | 57 |
| 2012 | 1.78 | 23 | 41 |
| 2013 | 1.55 | 11 | 17 |
| 2014 | 4.45 | 22 | 98 |
| 2015 | 3.60 | 10 | 36 |
| 2016 | 2.90 | 10 | 29 |
| 2017 | 2.83 | 6 | 17 |
| 2018 | 1.00 | 3 | 3 |
| 2019 | 4.33 | 3 | 13 |
| 2020 | 2.00 | 6 | 12 |
| 2021 | 1.75 | 8 | 14 |
| 2022 | 1.50 | 2 | 3 |
| Yr. Avg. | 3.60 | 200 | 719 |

SOS Short-billed Dowitcher 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. |
|-------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| 2007 | | | | | | 0 | 17 | 11 | 2 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 19 | 2 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 4 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 4 | 2 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 13 | 9 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 3 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 2 | 0 | 0 | 0 |
| 2014 | 0 | 0 | 2 | 20 | 1 | 0 | 3 | 19 | 11 | 2 | 0 | 0 |
| 2015 | 0 | 0 | 0 | 15 | 0 | 1 | 3 | 1 | 2 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 | 19 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| 2020 | 0 | 0 | 0 | 7 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 2021 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 |

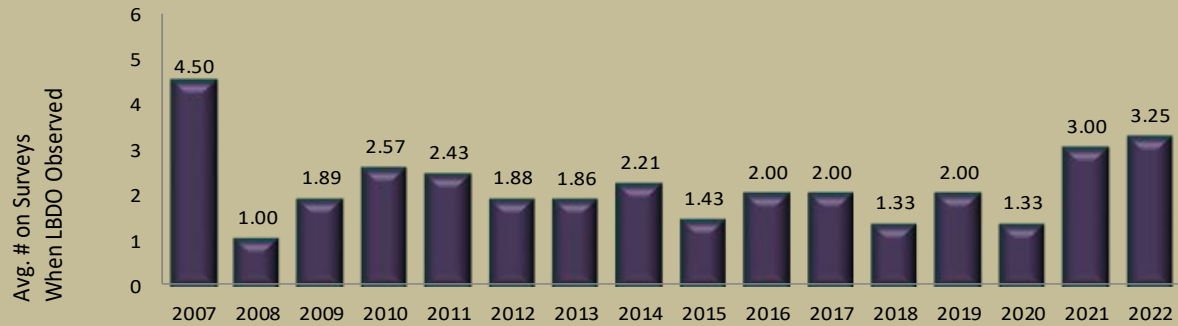
SOS Short-billed Dowitcher Average Counts 2007-2022 Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

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. |
|-------------|------|------|------|-------|------|------|------|------|-------|------|------|------|
| 2007 | | | | | | 0.00 | 6.72 | 3.88 | 1.50 | 0.00 | 0.00 | 0.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 9.33 | 2.00 | 0.00 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 5.20 | 1.50 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 1.00 | 2.67 | 3.50 | 1.50 | 0.00 | 0.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 4.00 | 4.38 | 0.00 | 0.00 | 0.00 |
| 2012 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 1.91 | 1.57 | 0.00 | 0.00 | 0.00 |
| 2013 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 1.43 | 1.67 | 0.00 | 0.00 | 0.00 |
| 2014 | 0.00 | 0.00 | 2.00 | 7.50 | 1.00 | 0.00 | 1.80 | 5.00 | 7.00 | 2.00 | 0.00 | 0.00 |
| 2015 | 0.00 | 0.00 | 0.00 | 12.50 | 0.00 | 1.00 | 1.50 | 1.00 | 2.00 | 0.00 | 0.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 4.60 | 1.00 | 0.00 | 1.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 5.50 | 0.00 | 0.00 | 0.00 | 1.67 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 5.50 | 0.00 | 0.00 | 0.00 | 1.67 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 1.00 | 0.00 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 7.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |

LONG-BILLED DOWITCHER

SOS Long-billed Dowitcher 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 Dta 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 SOS Lighthouse Loop data submitted in 2022

SOS Long-billed Dowitcher Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------|------------|------------|
| | LBDO | When LBDO | LBDO |
| | Per Survey | Observed | Sightings |
| 2007 | 4.50 | 20 | 90 |
| 2008 | 1.00 | 1 | 1 |
| 2009 | 1.89 | 9 | 17 |
| 2010 | 2.57 | 7 | 18 |
| 2011 | 2.43 | 14 | 34 |
| 2012 | 1.88 | 16 | 30 |
| 2013 | 1.86 | 14 | 26 |
| 2014 | 2.21 | 24 | 53 |
| 2015 | 1.43 | 7 | 10 |
| 2016 | 2.00 | 1 | 2 |
| 2017 | 2.00 | 1 | 2 |
| 2018 | 1.33 | 3 | 4 |
| 2019 | 2.00 | 1 | 2 |
| 2020 | 1.33 | 3 | 4 |
| 2021 | 3.00 | 9 | 27 |
| 2022 | 3.25 | 12 | 39 |
| Yr. Avg. | 2.53 | 142 | 359 |

SOS Long-billed Dowitcher High Counts 2007-2022 Ten Mile, Virgin Creek, 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 | 13 | 4 | 7 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 4 | 4 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 3 | 0 | 0 | 0 |
| 2012 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 2 | 4 | 0 |
| 2013 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 2 | 4 | 1 | 0 |
| 2014 | 0 | 0 | 0 | 3 | 0 | 0 | 4 | 8 | 4 | 2 | 0 | 0 |
| 2015 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 2 | 1 | 0 | 0 |
| 2016 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 |
| 2021 | 0 | 0 | 1 | 16 | 1 | 0 | 2 | 1 | 0 | 3 | 0 | 0 |
| 2022 | 0 | 0 | 0 | 2 | 0 | 0 | 8 | 1 | 1 | 11 | 0 | 0 |

SOS Long-billed Dowitcher Average Counts 2007-2022 Ten Mile, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop - Combined

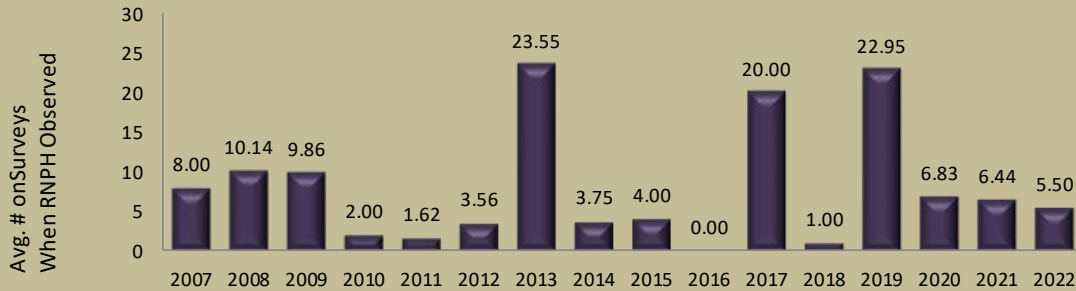
Sources: SOS Data Sheets, SOS eBird Average Counts, SOS Annual Reports 2007-2022

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|-------|------|------|------|------|-------|------|------|------|
| 2007 | | | | | | 0.00 | 5.46 | 2.50 | 3.00 | 0.00 | 0.00 | 0.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.25 | 3.33 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 2.00 | 0.00 | 4.00 | 2.50 | 0.00 | 0.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 | 2.44 | 1.67 | 0.00 | 0.00 | 0.00 |
| 2012 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 2.40 | 1.00 | 1.33 | 4.00 | 0.00 |
| 2013 | 0.00 | 0.00 | 0.00 | 2.00 | 1.50 | 0.00 | 1.50 | 0.00 | 1.50 | 2.33 | 1.00 | 0.00 |
| 2014 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 2.20 | 2.75 | 1.60 | 1.75 | 0.00 | 0.00 |
| 2015 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 2.00 | 1.00 | 1.50 | 1.00 | 0.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 1.00 | 16.00 | 1.00 | 0.00 | 1.25 | 1.00 | 0.00 | 3.00 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 2.80 | 1.00 | 1.00 | 6.67 | 0.00 | 0.00 |

RED-NECKED PHALAROPE

SOS Red-necked Phalarope Yearly Average Totals 2007-2022

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



Sources: SOS Data Sheets, SOS eBird 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 Red-necked Phalarope Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------|------------|--------------|
| | RNPH | When RNPH | RNPH |
| | Per Survey | Observed | Sightings |
| 2007 | 8.00 | 72 | 576 |
| 2008 | 10.14 | 49 | 497 |
| 2009 | 9.86 | 28 | 276 |
| 2010 | 2.00 | 1 | 2 |
| 2011 | 1.62 | 13 | 21 |
| 2012 | 3.56 | 18 | 64 |
| 2013 | 23.55 | 11 | 259 |
| 2014 | 3.75 | 4 | 15 |
| 2015 | 4.00 | 4 | 8 |
| 2016 | 0.00 | 0 | 0 |
| 2017 | 20.00 | 1 | 49 |
| 2018 | 1.00 | 2 | 2 |
| 2019 | 22.95 | 22 | 505 |
| 2020 | 6.83 | 6 | 41 |
| 2021 | 6.44 | 32 | 206 |
| 2022 | 5.50 | 6 | 33 |
| Yr. Avg. | 9.49 | 269 | 2,554 |

SOS Red-necked Phalarope High Counts 2007-2022 Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop

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 | 1 | 40 | 46 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 45 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 15 | 108 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 12 | 6 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 200 | 40 | 0 | 0 | 0 |
| 2014 | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 0 | 1 | 0 | 0 | 0 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 126 | 2 | 0 | 0 | 0 |
| 2020 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 25 | 0 | 0 | 0 | 0 |
| 2021 | 0 | 0 | 0 | 8 | 29 | 0 | 6 | 15 | 6 | 4 | 0 | 0 |
| 2022 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 4 | 1 | 0 | 0 | 0 |

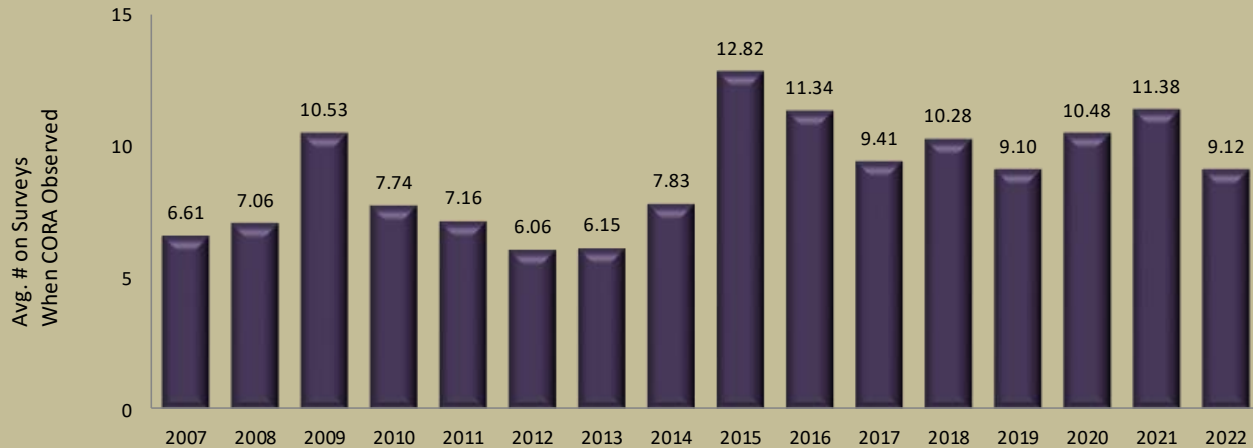
SOS Red-necked Phalarope Average Counts 2007-2022 Ten Mile, Virgin Creek, Glass Beach, Trestle Loop, Lighthouse Loop

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 | 1.00 | 6.61 | 9.82 | 0.00 | 0.00 | 0.00 |
| 2008 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.48 | 9.89 | 0.00 | 0.00 | 0.00 |
| 2009 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 4.21 | 17.92 | 0.00 | 0.00 | 0.00 |
| 2010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 |
| 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.14 | 2.17 | 0.00 | 0.00 | 0.00 |
| 2012 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 0.00 | 0.00 | 3.75 | 2.25 | 0.00 | 0.00 | 0.00 |
| 2013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 52.25 | 8.00 | 0.00 | 0.00 | 0.00 |
| 2014 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 12.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 |
| 2015 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 2.33 | 0.00 | 0.00 | 0.00 |
| 2016 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2017 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.50 | 0.00 | 0.00 | 0.00 |
| 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 31.00 | 1.40 | 0.00 | 0.00 | 0.00 |
| 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2021 | 0.00 | 0.00 | 0.00 | 8.00 | 15.00 | 0.00 | 3.50 | 5.47 | 3.17 | 4.00 | 0.00 | 0.00 |
| 2022 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 | 0.00 | 0.00 | 2.00 | 1.00 | 0.00 | 0.00 | 0.00 |

COMMON RAVEN

SOS Common Raven 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 Total Counts, 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

SOS Common Raven Yearly Average Totals 2007-2022

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

| | Avg. # | # Surveys | Total |
|-----------------|-------------|--------------|---------------|
| | CORA | When | CORA |
| | Per Survey | Observed | Sightings |
| 2007 | 6.61 | 195 | 1,289 |
| 2008 | 7.06 | 143 | 1,009 |
| 2009 | 10.53 | 157 | 1,653 |
| 2010 | 7.74 | 173 | 1,339 |
| 2011 | 7.16 | 253 | 1,811 |
| 2012 | 6.06 | 239 | 1,448 |
| 2013 | 6.15 | 200 | 1,229 |
| 2014 | 7.83 | 262 | 2,052 |
| 2015 | 12.82 | 264 | 3,384 |
| 2016 | 11.34 | 233 | 2,642 |
| 2017 | 9.41 | 254 | 2,391 |
| 2018 | 10.28 | 286 | 2,940 |
| 2019 | 9.10 | 294 | 2,675 |
| 2020 | 10.48 | 269 | 2,819 |
| 2021 | 11.38 | 245 | 2,787 |
| 2022 | 9.12 | 219 | 1,997 |
| Yr. Avg. | 9.08 | 3,686 | 33,465 |

SOS Common Raven 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 | | | | | | 25 | 26 | 20 | 21 | 11 | 26 | 17 |
| 2008 | 2 | 10 | 8 | 8 | 8 | 15 | 40 | 25 | 19 | 17 | 6 | 33 |
| 2009 | 11 | 4 | 0 | 23 | 17 | 23 | 26 | 34 | 26 | 37 | 22 | 12 |
| 2010 | 5 | 23 | 12 | 16 | 8 | 22 | 46 | 27 | 22 | 29 | 16 | 12 |
| 2011 | 11 | 34 | 19 | 6 | 6 | 14 | 21 | 26 | 17 | 14 | 11 | 10 |
| 2012 | 14 | 11 | 16 | 12 | 15 | 24 | 14 | 21 | 14 | 14 | 27 | 6 |
| 2013 | 16 | 11 | 10 | 32 | 43 | 29 | 17 | 15 | 17 | 11 | 16 | 12 |
| 2014 | 7 | 9 | 12 | 14 | 18 | 24 | 14 | 33 | 48 | 72 | 47 | 27 |
| 2015 | 25 | 42 | 48 | 70 | 59 | 25 | 86 | 86 | 80 | 66 | 46 | 37 |
| 2016 | 36 | 15 | 25 | 35 | 27 | 28 | 41 | 61 | 42 | 46 | 34 | 37 |
| 2017 | 22 | 24 | 19 | 27 | 21 | 30 | 32 | 41 | 63 | 34 | 21 | 27 |
| 2018 | 26 | 24 | 27 | 15 | 39 | 21 | 36 | 42 | 45 | 30 | 33 | 27 |
| 2019 | 31 | 27 | 22 | 16 | 41 | 22 | 29 | 34 | 50 | 25 | 22 | 57 |
| 2020 | 50 | 86 | 30 | 62 | 27 | 25 | 43 | 99 | 40 | 34 | 52 | 27 |
| 2021 | 45 | 62 | 23 | 22 | 19 | 32 | 141 | 73 | 36 | 43 | 29 | 22 |
| 2022 | 28 | 27 | 21 | 26 | 27 | 28 | 26 | 51 | 30 | 27 | 17 | 21 |

SOS Common Raven 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. |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2007 | | | | | | 6.50 | 7.55 | 5.71 | 6.51 | 5.38 | 15.00 | 5.38 |
| 2008 | 2.00 | 5.50 | 6.00 | 5.50 | 8.00 | 8.06 | 7.98 | 6.79 | 5.21 | 7.00 | 4.33 | 17.50 |
| 2009 | 6.00 | 3.33 | 0.00 | 11.00 | 8.00 | 8.83 | 10.36 | 11.92 | 8.76 | 17.80 | 11.33 | 8.00 |
| 2010 | 3.00 | 13.00 | 8.50 | 9.57 | 3.67 | 8.50 | 10.86 | 6.95 | 6.46 | 7.82 | 5.38 | 5.25 |
| 2011 | 8.33 | 8.22 | 10.67 | 4.75 | 4.18 | 4.50 | 6.96 | 8.14 | 6.81 | 7.18 | 4.78 | 4.82 |
| 2012 | 7.21 | 8.17 | 4.33 | 4.83 | 6.18 | 8.83 | 4.95 | 6.09 | 5.42 | 5.94 | 7.36 | 4.20 |
| 2013 | 5.10 | 5.00 | 4.25 | 10.60 | 12.55 | 6.86 | 5.25 | 4.30 | 6.83 | 5.68 | 6.58 | 6.56 |
| 2014 | 4.50 | 4.17 | 5.75 | 5.71 | 5.50 | 6.73 | 4.63 | 6.84 | 11.42 | 12.29 | 12.20 | 10.90 |
| 2015 | 8.89 | 10.57 | 13.28 | 13.20 | 15.64 | 7.73 | 11.44 | 14.47 | 15.68 | 16.00 | 15.11 | 11.25 |
| 2016 | 10.08 | 7.57 | 10.47 | 10.58 | 7.87 | 14.27 | 11.15 | 13.96 | 11.94 | 14.92 | 12.06 | 13.83 |
| 2017 | 8.27 | 10.75 | 7.85 | 8.47 | 6.67 | 8.44 | 9.18 | 11.30 | 10.77 | 10.90 | 8.15 | 10.10 |
| 2018 | 8.76 | 10.47 | 8.86 | 7.00 | 10.28 | 7.69 | 9.79 | 11.11 | 13.76 | 12.62 | 10.78 | 9.53 |
| 2019 | 9.00 | 12.23 | 7.05 | 8.10 | 9.93 | 7.53 | 9.82 | 9.81 | 8.26 | 8.71 | 10.00 | 9.17 |
| 2020 | 9.75 | 14.76 | 9.00 | 17.80 | 12.00 | 9.54 | 9.75 | 10.72 | 10.77 | 10.24 | 7.71 | 9.76 |
| 2021 | 13.87 | 14.08 | 8.55 | 6.10 | 8.00 | 12.07 | 16.33 | 12.20 | 12.33 | 10.39 | 9.14 | 9.38 |
| 2022 | 12.25 | 7.86 | 5.93 | 10.19 | 10.25 | 10.14 | 8.89 | 8.70 | 9.37 | 10.63 | 6.57 | 9.00 |

SOS Miscellaneous Non-Watchlisted Shorebird Sightings Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop-Combined

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

| Pacific Golden-Plover | | | | | | | | | | | | | |
|------------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------|----------|-----------|
| Total Sightings | | | | | | | | | | | | | |
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| 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 | 11 | 2 | 2 | 0 | 0 | 15 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 0 | 0 | 10 |
| 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 | 1 | 0 | 0 | 1 |
| 2016 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2020 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 5 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 0 | 7 |
| 2022 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 18 | 10 | 11 | 3 | 0 | 47 |

High count on SOS surveys:

2 Pacific Golden-Plovers
August 19, 2010-Virgin Creek

2 Pacific Golden-Plovers
September 2, 2010- Virgin Creek

| American/Pacific 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 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 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 | 1 | 2 | 0 | 0 | 0 | 3 |
| 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 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 6 |

High counts on SOS surveys:

1 American/Pacific Golden-Plover
July 29, 2008-Ten Mile Beach

1 American/Pacific Golden-Plover
August 25, 2009-Ten Mile Beach

1 American/Pacific Golden-Plover
August 27, 2009-Ten Mile Beach

1 American/Pacific Golden-Plover
August 1, 2012-Virgin Creek

1 American/Pacific Golden-Plover
September 14, 2012-Virgin Creek

American Avocet

Total Sightings

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|--------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|-----------|
| 2007 | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 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 | 8 | 0 | 0 | 0 | 0 | 8 |
| 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 | 1 | 0 | 1 | 1 | 0 | 3 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 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 | 8 | 0 | 0 | 0 | 0 | 8 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 20 | 0 | 1 | 1 | 0 | 25 |

High count on SOS surveys:

8 American Avocets
August, 23, 2010-Ten Mile Beach

8 American Avocets
August 28, 2021-Ten Mile Beach

Spotted Sandpiper

Total Sightings

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|--------------|----------|----------|----------|----------|-----------|----------|-----------|------------|-----------|----------|----------|----------|------------|
| 2007 | | | | | | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 8 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 1 | 1 | 0 | 15 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 9 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2012 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 5 | 1 | 0 | 0 | 0 | 10 |
| 2013 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 6 |
| 2014 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 6 | 5 | 0 | 0 | 0 | 13 |
| 2015 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 8 | 1 | 0 | 0 | 0 | 13 |
| 2016 | 0 | 0 | 0 | 1 | 6 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 13 |
| 2017 | 0 | 0 | 0 | 1 | 7 | 0 | 3 | 7 | 9 | 1 | 0 | 0 | 28 |
| 2018 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 9 | 6 | 0 | 0 | 0 | 19 |
| 2019 | 1 | 1 | 0 | 0 | 6 | 2 | 2 | 22 | 0 | 0 | 0 | 0 | 34 |
| 2020 | 0 | 0 | 0 | 0 | 6 | 0 | 2 | 7 | 5 | 0 | 0 | 0 | 20 |
| 2021 | 0 | 0 | 0 | 3 | 5 | 0 | 0 | 11 | 11 | 0 | 0 | 0 | 30 |
| 2022 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 10 | 4 | 1 | 0 | 0 | 19 |
| Total | 1 | 1 | 0 | 7 | 36 | 3 | 26 | 110 | 51 | 3 | 1 | 0 | 239 |

High count on SOS survey:

4 Spotted Sandpipers
May 20, 2017-Ten Mile Beach

| Greater Yellowlegs | | | | | | | | | | | | | |
|--------------------|----------|----------|----------|-----------|-----------|----------|-----------|-----------|-----------|----------|----------|----------|------------|
| Total Sightings | | | | | | | | | | | | | |
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 2 | 8 | 6 | 1 | 0 | 0 | 0 | 17 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 6 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 5 | 3 | 0 | 0 | 0 | 17 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 10 | 1 | 0 | 0 | 0 | 14 |
| 2012 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 8 |
| 2013 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 6 | 2 | 0 | 0 | 0 | 13 |
| 2014 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 7 | 0 | 4 | 0 | 0 | 15 |
| 2015 | 0 | 0 | 0 | 5 | 7 | 0 | 7 | 4 | 2 | 1 | 0 | 0 | 26 |
| 2016 | 0 | 0 | 0 | 4 | 5 | 0 | 2 | 5 | 5 | 1 | 0 | 0 | 22 |
| 2017 | 0 | 0 | 3 | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 10 |
| 2018 | 0 | 1 | 0 | 3 | 0 | 0 | 1 | 5 | 1 | 1 | 0 | 0 | 12 |
| 2019 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 10 |
| 2020 | 0 | 0 | 2 | 3 | 1 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 15 |
| 2021 | 0 | 0 | 0 | 5 | 11 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 18 |
| 2022 | 0 | 0 | 0 | 3 | 2 | 0 | 6 | 4 | 3 | 0 | 0 | 0 | 18 |
| Total | 0 | 1 | 5 | 37 | 30 | 5 | 43 | 67 | 24 | 8 | 1 | 0 | 221 |

High count on SOS surveys:

6 Greater Yellowlegs
July 21, 2009 - Glass Beach

6 Greater Yellowlegs
May 7, 2015 - Virgin Creek

6 Greater Yellowlegs
May 15, 2021 - Ten Mile Beach

| Lesser Yellowlegs | | | | | | | | | | | | | |
|-------------------|----------|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|-----------|
| Total Sightings | | | | | | | | | | | | | |
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 7 |
| 2008 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 8 |
| 2010 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 2013 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 18 | 2 | 0 | 0 | 0 | 21 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 5 |
| 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| Total | 0 | 0 | 0 | 3 | 0 | 1 | 15 | 35 | 4 | 0 | 0 | 0 | 58 |

High count on SOS survey:

4 Lesser Yellowlegs
July 11, 2007– Ten Mile Beach

yellowlegs sp.

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 | 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 | 4 | 0 | 0 | 0 | 4 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 2020 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2022 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 6 |
| Total | 0 | 0 | 0 | 4 | 2 | 0 | 3 | 4 | 4 | 0 | 0 | 1 | 18 |

High count on SOS surveys:

4 yellowlegs sp.
September 24, 2016-Ten Mile

4 yellowlegs sp.
April 16, 2020-Virgin Creek

Baird's Sandpiper

Total Sightings

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|--------------|----------|----------|----------|----------|----------|----------|----------|------------|------------|----------|----------|----------|------------|
| 2007 | | | | | | 0 | 0 | 58 | 21 | 0 | 0 | 0 | 79 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 42 | 14 | 0 | 0 | 0 | 57 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 14 | 2 | 0 | 0 | 34 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 3 | 0 | 0 | 0 | 22 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 14 | 28 | 0 | 0 | 0 | 45 |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 0 | 0 | 0 | 11 |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 9 | 0 | 0 | 0 | 23 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 1 | 1 | 0 | 12 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 6 |
| 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 4 | 0 | 0 | 0 | 13 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 8 |
| 2018 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 17 | 4 | 1 | 0 | 0 | 23 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 25 | 0 | 0 | 0 | 28 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 3 | 1 | 0 | 0 | 21 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| Total | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 246 | 133 | 5 | 1 | 0 | 390 |

High count on SOS surveys:

8 Baird's Sandpipers
August 17, 2008-Ten Mile

8 Baird's Sandpipers
September 5, 2020-Ten Mile

| Pectoral Sandpiper | | | | | | | | | | | | | |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------|----------|------------|
| Total Sightings | | | | | | | | | | | | | |
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 8 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 10 | 0 | 0 | 0 | 24 |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 0 | 0 | 14 |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 9 | 17 | 0 | 0 | 32 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 12 | 0 | 0 | 24 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 2016 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 4 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 0 | 0 | 8 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 6 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 4 | 0 | 0 | 16 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 31 | 69 | 47 | 0 | 0 | 149 |

High count on SOS surveys:

4 Pectoral Sandpipers
August 23, 2010-Ten Mile Beach

4 Pectoral Sandpipers
September 23, 2014-Virgin Creek

4 Pectoral Sandpipers
September 21, 28, 2022
Virgin Creek

| Wilson's Snipe | | | | | | | | | | | | | |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Total Sightings | | | | | | | | | | | | | |
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 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 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 1 | 7 |

High count on SOS surveys:

1 Wilson's Snipe
August 23, 2007-Ten Mile

1 Wilson's Snipe
October 29, 2013-Virgin Creek

1 Wilson's Snipe
October 16, 2015-Virgin Creek

1 Wilson's Snipe
October 19, 2015-Virgin Creek

1 Wilson's Snipe
December 19, 2017-Lighthouse Loop

1 Wilson's Snipe
September 19, 2018-Virgin Creek

Wilson's Phalarope

Total Sightings

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|--------------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|-----------|
| 2007 | | | | | | 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 | 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 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2016 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 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 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| Total | 0 | 0 | 0 | 0 | 0 | 5 | 12 | 1 | 0 | 0 | 0 | 0 | 18 |

High count on SOS survey:
3 Wilson's Phalaropes
 June 29, 2015-Virgin Creek

Red Phalarope

Total Sightings

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|--------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|-----------|
| 2007 | | | | | | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 6 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 23 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| 2012 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 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 | 2 | 1 | 1 | 4 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 20 |
| 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 | 1 | 1 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 8 | 45 | 2 | 5 | 2 | 64 |

High count on SOS survey:
4 Red Phalaropes
 August 26, 2007-Glass Beach

Note: 17 Red Phalaropes reported on one survey, September, 2009. No photo, low confidence.

| phalarope sp. Total Sightings | | | | | | | | | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|----------|----------|----------|-----------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 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 | 25 | 0 | 0 | 0 | 25 |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| 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 | 1 | 0 | 1 |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 0 | 0 | 0 | 12 |
| 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 6 |
| 2021 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 11 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 45 | 0 | 1 | 0 | 66 |

High count on SOS survey:

25 phalarope sp.
September 6, 2012-Virgin Creek

| dowitcher sp. Total Sightings | | | | | | | | | | | | | |
|----------------------------------|----------|----------|-----------|------------|------------|----------|-----------|------------|------------|-----------|----------|----------|------------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| 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 | 2 | 0 | 3 | 0 | 0 | 11 | 13 | 9 | 17 | 0 | 0 | 55 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 23 | 1 | 0 | 0 | 36 |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 7 | 1 | 0 | 0 | 20 |
| 2013 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 4 | 6 | 1 | 1 | 0 | 32 |
| 2014 | 0 | 0 | 0 | 8 | 0 | 0 | 10 | 59 | 36 | 1 | 0 | 0 | 114 |
| 2015 | 0 | 0 | 4 | 46 | 2 | 0 | 3 | 6 | 0 | 0 | 0 | 0 | 61 |
| 2016 | 0 | 0 | 1 | 62 | 33 | 0 | 14 | 3 | 0 | 2 | 0 | 0 | 115 |
| 2017 | 0 | 0 | 3 | 15 | 1 | 0 | 1 | 6 | 17 | 0 | 0 | 0 | 43 |
| 2018 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 5 | 1 | 4 | 0 | 0 | 15 |
| 2019 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 14 |
| 2020 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 3 | 3 | 0 | 0 | 10 |
| 2021 | 0 | 0 | 2 | 69 | 23 | 0 | 2 | 5 | 6 | 2 | 0 | 0 | 109 |
| 2022 | 0 | 0 | 1 | 157 | 59 | 0 | 5 | 4 | 6 | 17 | 3 | 0 | 252 |
| Total | 0 | 2 | 11 | 395 | 118 | 0 | 53 | 128 | 115 | 51 | 5 | 0 | 878 |

High count on SOS survey:

55 dowitcher sp.
April 12, 2022 - Ten Mile

| Ruff Total Sightings | | | | | | | | | | | | | |
|----------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|----------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 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 | 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 | 2 | 0 | 0 | 0 | 2 |
| 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 |
| Total | | | | | | | | | | | | | 2 |

High Count on SOS surveys:
1 Ruff
 September 5, 2018-Virgin Creek

1 Ruff
 September 9, 2018-Ten Mile

| American x Black Oystercatcher Hybrid | | | | | | | | | | | | | |
|---------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Total Sightings | | | | | | | | | | | | | |
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
| 2007 | | | | | | 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 | 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 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 |
| Total | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 |

High Count on SOS surveys:

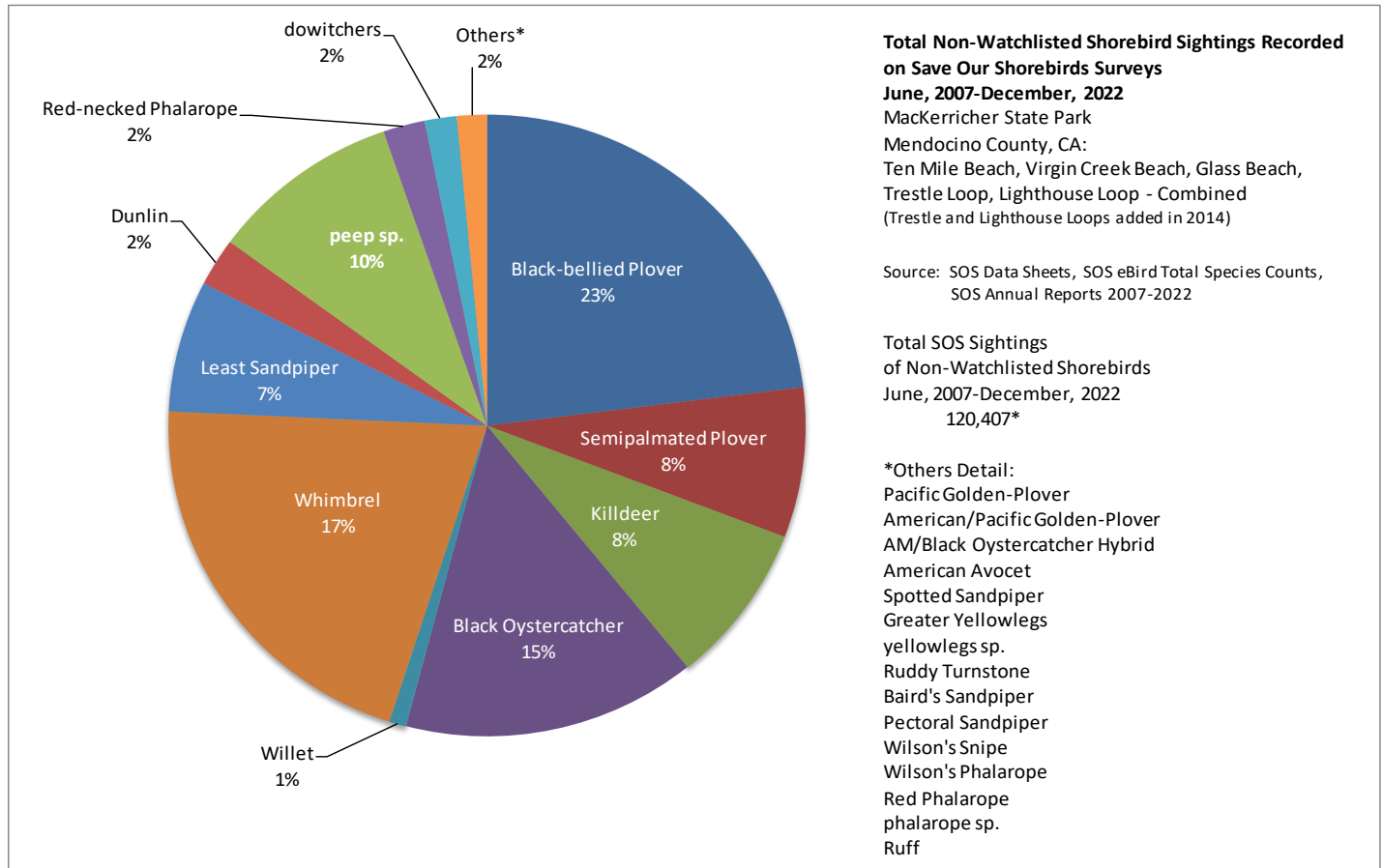
1 American x Black Oystercatcher hybrid May 2, 2022-Virgin Creek

1 American x Black Oystercatcher hybrid May 16, 2022-Virgin Creek

1 American x Black Oystercatcher hybrid May 16, 2022-Trestle Loop

1 American x Black Oystercatcher hybrid October 10, 2022-Virgin Creek

Note: This appears to be one bird sighted several times by local birders in addition to the 4 SOS survey sightings. The bird also has been seen at Glass Beach and at the end of the year, it was spotted foraging and roosting with BLOY at Virgin Creek Beach.



Save Our Shorebirds June 2007-December 2022
Non-Watchlisted Shorebirds Total Sightings
 MacKerricher State Park, Mendocino County, CA
 Ten Mile Beach, Virgin Creek Beach, Glass Beach, Trestle Loop, Lighthouse Loop—Combined
 Sources: SOS Survey Data Sheets, SOS eBird Species Totals, SOS Annual Reports 2007-2022

| | |
|----------------------|----------------|
| Black-bellied Plover | 27,715 |
| Semipalmated Plover | 9,394 |
| Killdeer | 10,034 |
| Black Oystercatcher | 18,000 |
| Willet | 1040 |
| Whimbrel | 25,006 |
| Least Sandpiper | 8,232 |
| Dunlin | 2,998 |
| peep sp. | 11,646 |
| Red-necked Phalarope | 2,554 |
| dowitchers | 1,956 |
| Others** | 1,832 |
| Total | 120,407 |

| | |
|-----------------------|--------------|
| Others Detail** | |
| Pacific Golden-Plover | 47 |
| A/P Golden-Plover | 6 |
| American Avocet | 25 |
| AM/BLOY Hybrid | 4 |
| Spotted Sandpiper | 239 |
| Greater Yellowlegs | 221 |
| Lesser Yellowlegs | 58 |
| yellowlegs sp. | 18 |
| Ruddy Turnstone | 518 |
| Baird's Sandpiper | 390 |
| Pectoral Sandpiper | 149 |
| Wilson's Snipe | 7 |
| Wilson's Phalarope | 18 |
| Red Phalarope | 64 |
| Phalarope sp. | 66 |
| Ruff | 2 |
| Total | 1,832 |



In gratitude, with appreciation—and in remembrance

Greg Baron

Jim Boyer

Prof. Greg Grantham

Ron LeValley

Frank Menhams

Nancy Pacquette

Warren Wade

John Wilder