

2019 Breeding Window Survey for Snowy Plovers on U.S. Pacific Coast
 Prior years results for comparison. Note: Cells left blank indicates no survey was conducted.

REGION	SITE	OWNER	2014	2015	2016	2017	2018	2019 Adult Breakdown			Date of survey	Primary Observer(s)	
								2019	male	fem.			sex?
Grays Harbor	Copalis Spit	WA State Parks	0	0	1	0	0	0	0	0	0	16-May	Warren Michaelis
	Conner Creek	WA State Parks	0	0	0	0	0	0	0	0	0	16-May	Warren Michaelis
	Damon Point/Oyhut	WA State Parks, WDFW	0	0	0	0	0	0	0	0	0	17-May	Anthony Novack
	Ocean Shores to Ocean City	WA State Parks, Private				0	3	0	0	0	0	16-May	Anthony Novack and Warren Michaelis
	Oyhut Spit LUMPED with DAMON POINT	WDNR				0	0	0	0	0	0	16-May	Anthony Novack
County Total			0	0	1	0	3	0	0	0			
Pacific	Midway Beach	Private, WA State Parks	9	20	37	35	23	28	15	13	0	22-May	Cyndie Sundstrom, Lauren Bauerschmidt, Warren Michaelis, Derek Stinson, Anthony Novack; William Ritchie and Adam Kotaich
	Graveyard	Shoalwater Indian Tribe	6	3	19	17	28	32	16	16	0	21-May	Larissa Ritzman and Richard Ashley (Shoalwater Bay Tribe); Cyndie Sundstrom, Lauren Bauerschmidt, Warren Michaelis, and Anthony Novack
	North Willapa Bay Islands	USFWS, DNR			3	0	0						
	Leadbetter Point NWR	USFWS, WA State Parks	26	41	42	25	27	19	9	8	2	23-May	William Ritchie, Adam Kotaich, Heather Mackey, Josh Reynolds; Cyndie Sundstrom, Warren Michaelis, and Anthony Novack
	South Long Beach	Private	0	0	0	0	0	19	11	8	0	21-May	William Ritchie and Adam Kotaich
Benson Beach	Private				0	0	0	0	0	0	19-May	William Ritchie	
County Total			41	64	101	77	78	98	51	45	2		
Washington Total			41	64	102	77	81	98	51	45	2		
Clatsop	Fort Stevens State Park (Clatsop Spit)	ACOE, OPRD	0	0	0	0	1	1	0	0	1	15-May	Michael Tarachow & Merce Dostale
	Sunset Beach	OPRD											not surveyed
	Del Rey Beach	OPRD											not surveyed
	Gearhart Beach	OPRD						0	0	0	0	24-May	Jeff Everett, P. Everett
	Camp Rilea	DOD											not surveyed
	Necanicum Spit	OPRD	0	0	0	0	0	0	0	0	0	24-May	Jeff Everett, P. Everett
County Total			0	0	0	0	1	1	0	0	1		
Tillamook	Nehalem Spit	OPRD	0	0	2	1	2	0	0	0	0	22-May	Vanessa Blackstone; Comments: nests reported in the area
	Bayocean Spit	ACOE	0	0	0	1	0						no survey
	Netarts Spit	OPRD	0	0	0	0	0	0	0	0	0	24-May	Celeste Lebo
	Sand Lake Spit South (Sitka Sedge)	USFS	0	0	1	2	2	12	0	0	12	19-May	Amelia, Alex, Hilary
	Nestucca Spit	OPRD	0	0	0	0	0	0	0	0	0	24-May	Celeste Lebo
County Total			0	0	3	4	4	12	0	0	12		
Lincoln	Salmon River Spit	Private					0	0	0	0	0	23-May	Mike Szumski
	Salishan Spit	Private					0						not surveyed
	Agate Beach, Newport	OPRD						0	0	0	0	19-May	Roy Lowe, Mike Szumski
	Yaquina Bay North Jetty	OPRD						0	0	0	0	22-May	Mike Szumski
	South Beach, Newport	OPRD	0					7	4	2	1	23-May	Brian Fowler, Andrew Althaus
	Bayshore Spit	Private				0	4	3	2	1	0	18-May	Jason Kirchner, Roy Lowe
	Patterson SP-South Alsea Bay	OPRD						5	2	3	0	18-May	Roy Lowe
County Total			0	0	0	0	4	15	8	6	1		
Lane	Baker Beach/Sutton Creek	USFS	2	6	10	9	14	15	8	7	0	21-May	Daniel Farrar, Sami Michishita
	Sutton Cr/Siuslaw River N Jetty	USFS	0	0	0								not surveyed
	Siuslaw River S Jetty to Siltcoos Breach	USFS	0		0	3							not surveyed
	Siltcoos Spits N & S	USFS	16	13	12	39	21	36	19	17	0	20-May	Daniel Farrar, Sami Michishita
County Total			18	19	22	51	35	51	27	24	0		
Douglas	Siltcoos-Tahkenitch (Dunes Overlook)	USFS	34	33	59	47	38	43	28	14	1	24-May	Daniel Farrar, Sami Michishita
	Tahkenitch Spits N & S	USFS	20	35	48	38	16	40	21	19	0	22-May	Daniel Farrar, Sami Michishita
	Tahkenitch Creek to Umpqua River N Jetty	USFS	8	0	1	4	8	6	3	3	0	22-May	Daniel Farrar, Sami Michishita
	Umpqua River S Jetty to Tenmile Spit	USFS	5	14	13	34	35	31	18	13	0	23-May	Daniel Farrar, Sami Michishita, Erica Krygsman
County Total			67	82	121	123	97	120	70	49	1		
Coos	Tenmile Spits	USFS	42	28	55	7	11	9	5	4	0	20-May	Erica Krygsman
	Coos Bay N Spit	BLM, ACOE	50	92	85	60	114	91	54	27	10	22-May	David Lauten, Kathy Castelein
	Whiskey Run to Coquille River	OPRD	0	0	0	0	0						not surveyed
	Bandon State Park to New River	OPRD, Private, BLM	20	16	37	20	22	26	16	10	0	18-May	David Lauten, Kathy Castelein
County Total			112	136	177	87	147	126	75	41	10		
Curry	New River to Floras Lake	BLM, Private, County	31	39	52	16	32	52	29	23	0	May-16, May-20	David Lauten, Kathy Castelein
	Blacklock Point to Sixes River (C. Blanco)	BLM, OPRD	0										not surveyed
	Cape Blanco to Elk River							0	0	0	0	20-May	Madeleine VanderHeyden
	Elk River	Private	0	0		1	4	2	2	2	0	20-May	Madeleine VanderHeyden, Buck Wahl; Comments: 2 nests
	Euchre Creek to Greggs Creek	OPRD, Private	0	0	0	0							not surveyed
Myers Creek to Pistol River	OPRD, Private	0										not surveyed	
Crissey Field	OPRD, Private				0							not surveyed	
County Total			31	39	52	16	33	56	31	25	0		
Oregon Total			228	276	375	281	321	381	211	145	25		
Total Unit 1			269	340	477	358	402	479	262	190	27		
Del Norte	Smith River	Private, CDPR ²		0									not surveyed
	Lake Earl/Tolowa	CDFW ¹	0	0	0	0	0	0	0	0	0	17-May	Mark Morrisette
	Crescent Beach	Crescent City	0	0	0	0	0	0	0	0	0	17-May	Katie Siedel, Greg Schmitt
County Total			0	0	0	0	0	0	0	0	0		
Humboldt	North Gold Bluffs Beach	USNPS, CDPR	0	0	0	0	0	0	0	0	0	17-May	
	South Gold Bluffs Beach	USNPS, CDPR	0	0	0	0	0	1	0	1	0	17-May	Jay Harris, Tony Kurz
	Freshwater	USNPS ² , CDPR	0	0	0	4	1	0	0	0	0	20-May	Theresa King
	Stone Lagoon	CDPR	0	3	2	0	6	0	0	0	0	20-May	Carol Wilson
	Dry Lagoon	CDPR	0	0	0	0	0	0	0	0	0	20-May	Carol Wilson
	Big Lagoon	CDPR	1	0	2	2	4	6	3	3	0	19-May	Carol Wilson, Tony Kurz
	Moonstone Beach	County	0	0		0	0	0	0	0	0	17-May	Shannon Brinkman
	Little River, Clam Beach North	County, CDPR, Private	8	5	20	12	7	0	0	0	0	20-May	Katelyn Raby
	Clam Beach South	County	3	5	0	2	1	0	0	0	0	20-May	Katelyn Raby
	Lanphere to Mad River	County, Private	0	0	0	1	6	8	3	5	0	20-May, 22-May	Elizabeth Feucht, Greg Schmidt
	Gun Club to Lanphere	BLM / USFWS ¹	0	0	2	0	0	0	0	0	0	22-May	Greg Schmidt
	Power Pole to Gun Club	BLM, Private	0	0	0	1	0	0	0	0	0	20-May	David Anton
	North Spit Humboldt Bay	BLM	0	0	0	0	0	0	0	0	0	20-May	Jesse Irwin
	Elk River Spit	City of Eureka	0	0	0	0	0	0	0	0	0	20-May	Katie Siedel, Laurel Goldsmith
	Eel River Gravel Bars	County, CA State	0	0	0	0	0	0	0	0	0		not surveyed
	South Spit Humboldt Bay	BLM	0	0	6	19	14	19	7	10	2	19-May	Elizabeth Feucht, Katelyn Raby, Justin Windsor
	Eel River Wildlife Area, North	CDFW	10	0	0	0	0	0	0	0	0	24-May	Justin Windsor
Eel River Wildlife Area, South	CDFW	1	9	5	2	1	0	0	0	0	24-May	Justin Windsor	
Centerville Beach	County, Private	4	10	7	10	6	6	4	2	0	24-May	Katelyn Raby	
McNutt Gulch	Private	0	0	0	0	2	0	0	0	0	24-May	Elizabeth Feucht	
Mattole River	BLM ¹	0	0	0	0							not surveyed	
County Total			27	32	44	53	48	40	17	21	2		
Mendocino	Usal Beach	CDPR					0						not surveyed
	MacKerricher SB, 10 Mile	CDPR	0	6	2	3	4	1	0	1	0	23-May	Alison Cebula
	Virgin Creek	CDPR	0	0	0	0	0	0	0	0	0	23-May	Becky Bowen
	Manchester SB, Alder & Brush Crs.	CDPR	0	0	0	0	0	0	0	0	0	17-May	Alison Cebula
	Manchester SB, Brush C. to Garcia R.	CDPR	0	0	0	0	0	0	0	0	0	17-May	Alison Cebula
County Total			0	6	2	3	4	1	0	1	0		
Total Unit 2			27	38	46	56	52	41	17	22	2		
San Francisco Bay	Baumberg/Eden Landing	CDFW	94	76	120	144	142	117	60	38	19	20-May, 21-May, 24-May	B. Pearl, J. Gonzalez, I. Termuehlen, A. Chen, A. Kato
	Coyote Hills	USFWS NWR	0	0	1	0	0	1	1	0	0	23-May	A. Chen, I. Termuehlen
	Dumbarton	USFWS NWR	0	0	0	2	7	2	1	1	0	23-May	B. Pearl
	Hayward	City of Hayward	7	2	4	0	7	12	7	5	0	24-May	D. Riensche, EBRPD; A. Graham, HARD
	Warm Springs	USFWS NWR	11	24	14	2	20	7	3	2	2	22-May	A. Chen, I. Termuehlen
	Napa	CDFW	10	10	0	2	2	2	0	0	2	20-May	K. Taylor, CDFW
	Ravenswood/West Bay	USFWS NWR	45	68	0	76	51	48	29	13	6	23-May, 24-May	B. Pearl, J. Gonzalez, I. Termuehlen
Alviso	USFWS NWR	0	1	42	19	4	1	1	0	0	22-May	A. Chen, I. Termuehlen	
Mountain View		11	0	21	0	2	0	0	0	0	22-May	A. Chen, I. Termuehlen	
N Bay Delta	Montezuma Wetlands			14	0	3	0	0	0	0	0	24-May	A. Wallace, Eco Bridges. Note: Minimal habitat
County Total								0	0	0	0	23-May	J. Evens, Avocet Research Associates. Note: Minimal habitat
Total Unit 3			178	195	202	246	235	190	102	59	29		
Sonoma	Salmon Creek SB	CDPR	0	1	0	0	0	5	2	3	0	17-May	J. Erbes
	Doran County Park	County	0	0	0	0	0	0	0	0	0	17-May	J. Erbes
County Total			0	1	0	0	0	5	2	3	0		
Marin	Dillon Beach	Private		0	0	1	0	0	0	0	0	20-May	J. Erbes
	Kehee Beach	USNPS	2	6	10	5	5	2	1	1	0	20-May	D. Humple

County Total			0	1	8	8	5	3	1	2	0		
REGION	SITE	OWNER	2014	2015	2016	2017	2018	2019	male	fem.	sex?	Date of survey	Primary Observer(s)
Santa Cruz	Waddell SB	CDPR, Private	0	0	0	0	0	0	0	0	0	20-May	G. Addleman, J. Clarke
	Scott Creek Beach	County	0	0	0	0	0	0	0	0	0	20-May	J. Teitler, L. Bidiman
	Laguna Creek	CDPR	0	0	0	0	0	0	0	0	0	20-May	Z. Rocha
	Wilder SB	CDPR	0	0	2	0	0	0	0	0	0	20-May	Z. Rocha
	Scabright SB	CDPR	0	0	0	0	0	0	0	0	0	20-May	C. Gobble
	Manresa SB							1	1	0	0	20-May	J. Martin (site new in 2019)
	Private Beaches	Private	3	0	4	0	12	1	1	0	0	20-May	J. Martin
	Sunset SB	CDPR	4	26	24	16	24	14	7	7	0	20-May	D. Dixon
	Palm Beach	CDPR	4	10	1	0	0	0	0	0	0	20-May	D. Dixon
	Pajaro Spit	CDPR	52	30	38	46	30	31	12	13	6	20-May	D. Dixon
County Total			63	66	69	62	66	47	21	20	6		
Monterey	Zmudowski SB	CDPR	18	9	10	17	8	42	24	18	0	20-May	K. Neuman, E. Haile
	Moss Landing SB	CDPR	27	23	17	13	25	19	7	11	1	20-May	K. Neuman
	Moss Landing Salt Ponds	CDPR	13	17	34	62	12	26	9	15	2	20-May	K. Neuman, E. Haile
	Salinas SB	CDPR	32	39	39	30	35	28	14	14	0	20-May	A. Palkovic
	Salinas River North Spit	CDPR	23	16	19	6	8	10	5	4	1	20-May	A. Palkovic, B. Barbaree
	Salinas River NWR	USFWS	69	48	59	44	34	31	14	15	2	20-May	C. Eyster, C. Caris
	Martin/Lone Star Areas	Big Sur Land Trust, Private	53	43	21	31	44	18	12	6	0	20-May	C. Eyster
	Marina SB (Reservation Rd & Fort Ord)	CDPR	39	34	26	38	44	44	20	20	4	20-May	B. Barbaree
	Sand City	Private	0	5	9	10	9	5	3	1		20-May	B. Barbaree, L. Stenzel
	Monterey SB	CDPR	0	5	10	13	5	1	1	0	0	20-May	L. Stenzel
	Carmel River SB	CDPR	0	0	0	0	0	0	0	0	0	24-May	D. Dixon
	Asilomar	CDPR	0	0	0	0	0	0	0	0	0	23-May	D. Dixon
	Point Sur Beach	CDPR	0	0	0	0	0	0	0	0	0	24-May	A. Palkovic
	Little Sur Beach	Private			0	0	0						not surveyed
	County Total			274	239	244	254	225	228	111	106	11	
Total Unit 4			374	348	366	369	361	303	144	142	17		
San Luis Obispo	San Carpoforo Creek	USFS, CDPR	0	1	3	3	0	0	0	0	0	21-May	S Ontiveros
	Sydneys Lagoon	CDPR	0	0	0	0	0	0	0	0	0	21-May	S Ontiveros
	Arroyo Laguna Creek	CDPR	7	0	7	5	2	0	0	0	0	21-May	S Ontiveros
	San Simeon State Beach	CDPR	0	0	6	0	0	0	0	0	0	21-May	S Ontiveros
	Santa Rosa Creek	CDPR	3	0	0	0	0	0	0	0	0	21-May	S Ontiveros
	Estero Bluffs State Beach	CDPR	16	16	8	6	9	8	5	3		21-May	M Pacheco, J Sayers
	Toro Creek	Private	0	0	1	2	1	0	0	0	0	21-May	M Pacheco, J Sayers
	Morro Strand SB	CDPR	12	5	7	2	4	10	5	4	1	21-May	S Callahan, M Pacheco, J Sayers
	Morro Rock City Beach	City of Morro Bay	0	0	0	0	0	0	0	0	0	21-May	S Callahan, M Pacheco, J Sayers
	Morro Bay Sandspit: State sector	CDPR	105	151	154	149	131	59	31	26	2	21-May	G Napolitano, R Orr
	Morro Bay Sandspit: City of Morro B. sector	Private & City of Morro Bay	4	5	15	4	6	1	0	1	0	21-May	G Napolitano, R Orr
	Pismo State Beach	CDPR	0	0	0	0	2	6	3	3	0	21-May	K Gunther
	Oceano Dunes SVRA	CDPR	149	154	127	127	111	126	70	51	5	21-May	K Gunther, C Lish, A Clark, J Iwanicha
	ODSVRA Oso Flaco Natural Area	CDPR	31	26	33	47	42	28	18	10	0	21-May	A Velazquez, J Iwanicha
	Guadalupe-Nipomo Dunes NWR	USFWS	24	16	15	10	24	15	8	7	0	21-May	A Velazquez
Chevron (Unocal) Property	Private	22	29	17	19	51	11	5	5	1	21-May	K Paradis	
County Total			373	403	393	374	383	264	145	110	9		
Santa Barbara	Rancho Guadalupe Dunes Co. Park	County	27	38	26	30	18	23	14	9	0	21-May	T Applegate
	Mussel Rock beach	Private	6	24	10	8	14	13	7	6	0	21-May	T Applegate
	Paradise beach	Private	0	2	0	0	0	0	0	0	0	21-May	T Applegate
	Point Sal SB	CDPR	0	0	0	0	0						not surveyed
	Vandenberg AFB North beaches	US Air Force	69	83	67	67	66	56	31	24	1	23-May	H Dlott, L Hargett, E Rice
	Vandenberg AFB Purisima Point	US Air Force	0	14	10	10	7	5	3	1	1	23-May	H Dlott, L Hargett, E Rice
	Vandenberg AFB South beaches	US Air Force	126	212	115	156	147	142	74	57	11	24-May	R Butala, H Dlott, L Hargett
	Jalama Beach County Park	County	0	0	0	0	0	0	0	0	0	23-May	J Miller
	Gaviota State Beach	CDPR	0	0	0	0	0	0	0	0	0	23-May	A Frangis, D Barringer
	Refugio State Beach	CDPR	0	0	0	0	0	0	0	0	0	23-May	A Frangis, D Barringer
	El Capitan State Beach	CDPR	0	0	0	0	0	0	0	0	0	23-May	A Frangis, D Barringer
	Haskell's beach	Private	0	0	0	0	0	0	0	0	0	21-May	J Nielsen
	Ellwood Beach	City of Goleta	0	2	2	4	12	13	0	0	13	21-May	J Nielsen
	North Campus Open Space							5	0	0	5	21-May	B Tindall (site new this year)
	Coal Oil Pt. Reserve	Univ. of Calif.	33	34	31	38	54	68	0	0	68	21-May	J Nielsen
	Isla Vista beach	Univ. of Calif.	0	0	0	0	0	0	0	0	0	21-May	J Nielsen
	Campus Beach	Univ. of Calif.	0	0	0	0	0	0	0	0	0	21-May	J Nielsen
	Goleta Beach	County	0	0	0	0	0	0	0	0	0	21-May	J Nielsen
	West Beach	City of S. Barbara	0	0	0	0	0	0	0	0	0	21-May	L Chang
	Santa Barbara Harbor Beach	City of S. Barbara	0	0	0	0	0	0	0	0	0	21-May	L Chang
	East Beach	City of S. Barbara	0	0	0	0	0	0	0	0	0	21-May	L Chang
	Santa Claus Lane- Carpinteria spit beaches	Private	0	0	0	0	1	0	0	0	0	21-May	K Fahy
	Carpinteria City Beach	City of Carpinteria	0	0	0	0	0	0	0	0	0	22-May	A Frangis
	Carpinteria State Beach	CDPR	0	0	0	0	0	2	1	1	0	22-May	A Frangis
	Santa Cruz Island	Nature Conservancy	0	0	1	0	0	1	1	0	0	19-May	L Laughrin
Santa Rosa Island ¹	USNPS	13	10	9	9	16	2	0	14		8-May, 9-May	D Mazurkiewicz	
San Miguel Island ²	USNPS					0						not surveyed	
County Total			274	419	271	313	328	344	133	98	113		
Ventura	San Buenaventura State Beach	CDPR	3	1	0	0	1	1	0	1	0	24-May	A Frangis
	McGrath State Beach	CDPR	12	10	12	10	10	15	9	5	1	22-May	A Frangis
	Mandalay State Beach	CDPR	9	8	1	1	2	2	1	1	0	21-May	A Frangis, D Barringer, J Gold
	Hollywood County Beach	County of Ventura	23	13	5	4	4	4	2	2	0	22-May	D Barringer
	Ormond Beach	City of Oxnard, CCC, Private	8	11	15	27	22	41	21	14	6	23-May	C Hartley, et al
	Point Mugu NAS	US Navy	69	98	91	99	99	106	41	41	24	23-May	M Ruane, F Ferrara, J More, J Psiropoulos
	San Nicolas Island	US Navy	51		32	28	25	36	17	17	2	29-May	M Ruane, et al
County Total			175	141	156	169	163	205	91	81	33		
Total Unit 5			822	963	820	856	874	813	369	289	155		
Los Angeles	Leo Carrillo Beach	CDPR*	0	0	0	0	0	0	0	0	0	18-May	M. Snelgrove
	Nicolas Canyon	CDPR*	0	0	0	0	0	0	0	0	0	17-May	D. Steimicke
	R.H.Meyer State Beach (entire)	CDPR*	0	0	0	0	0	0	0	0	0	20-May	D. Steimicke
	Broad Beach	Private			0	0	0	0	0	0	0	22-May	B. Crowe
	Zuma SB	CDPR*	0	0	0	0	0	0	0	0	0	29-May	S. Viggallon, S. Hassett, D. Perez
	Paradise Cove	CDPR	0	0	0	0	0	0	0	0	0	17-May	S. Sumner
	Dan Blocker State Beach	CDPR*	0	0	0	0	0	0	0	0	0	22-May, 24-May	J. Beseda, T. Camp
	Malibu Lagoon	CDPR	0	0	2	2	4	0	0	0	0	24-May	G. Murayama, L. Locher, M. Locher
	Carbon to Big Rock Beach	CDPR	0	0	0	0	0	0	0	0	0	24-May	G. Murayama, L. Locher, M. Locher
	Las Tunas State Beach	CDPR*	0	0	0	0	0	0	0	0	0	21-May	R. Brody
	Topanga State Beach	CDPR*	0	0	0	0	0	0	0	0	0	21-May	R. Brody
	N.Will Rogers State Beach	CDPR*	0	0	0	0	0	0	0	0	0	17-May	H. Borenstein
	S.Will Rogers State Beach	CDPR*	0	0	0	0	0	0	0	0	0	22-May	I. Carrillo, B. Stutz
	N.Santa Monica State Beach	CDPR*	0	0	0	0	0	0	0	0	0	19-May	L. Plauzoles
	S.Santa Monica Beach	CDPR*	0	0	0	0	0	0	0	0	0	25-May	M. DiMatteo
	N. Venice Beach	CDPR*	0	0	0	0	0	0	0	0	0	18-May	A. Brandin
	S.Venice Beach	CDPR*	0	0	0	0	0	0	0	0	0	24-May	S. Viggallon, I. Carrillo, UCLA volunteers*
	Marina del Rey	CDPR*	0	2	0	0	0	0	0	0	0	24-May	S. Viggallon, I. Carrillo, UCLA volunteers*
	Playa del Rey	CDPR*	0	0	0	0	0	0	0	0	0	17-May	W. Lamb
	North Dockweiler State Beach	CDPR*	0	0	0	2	3	1	0	0	1	21-May	S. Viggallon
	South Dockweiler State Beach	CDPR*	0	0	2	0	1	0	0	0	0	24-May	J. Rowden, I. Carrillo
	El Segundo Beach	CDPR*	0	0	0	0	0	0	0	0	0	18-May	E. Gaeta, D. Gonzalez
	Manhattan Beach	CDPR*	0	0	0	0	0	0	0	0	0	18-May	E. Gaeta, D. Gonzalez
	Hermosa State Beach	CDPR*	0	0	0	0	0	0	0	0	0	21-May	K. Clark, B. Cohn
	Redondo/Torrance Beach	LA County?	0	0	0	0	0	0	0	0	0	22-May	J. Lo, K. Lo
	Cabrillo State Beach	CDPR*	0	0	0	0	0	0	0	0	0	23-May	J. Morton
	Long Beach State Beach	CDPR*	0	0	1	0	0	0	0	0	0	19-May, 21-May	P. Blieden, A. Hsieh
	Catalina Island	Catalina Conservancy			0	0	0	0	0	0	0	20-May	N. Desnoyes, J. Stahl (only West Cove surveyed

REGION	SITE	OWNER	2014	2015	2016	2017	2018	2019	male	fem.	sex?	Date of survey	Primary Observer(s)
	Torrey Pines SB- Blacks	CDPR	0	3	0	0	0	0	0	0	0	21-May	L. Squires
	La Jolla	City of S. Diego	0	0	0	0	0	0	0	0	0		not surveyed
	S. Mission Beach	City of S. Diego	0	0	0	0	0	0	0	0	0	19-May	J. Lesley
	San Diego River Channel (incl. Dog Beach)	City of S. Diego	0	0	0	0	0	0	0	0	0	19-May, 20-May	J. Lesley
	Ocean Beach	City of S. Diego	0	0	0	0	0	0	0	0	0	20-May	J. Lesley
	Mariner's Point	City of S. Diego	0	0	0	0	0	0	0	0	0	19-May	J. Lesley
	Fiesta Island	City of S. Diego	0	0	0	0	0	0	0	0	0	23-May	J. Jackson, S. Vissman
	Sweetwater NWR	USFWS/Port of SD	0	0	0	0	0	0	0	0	0	21-May	R. Patton, L. Squires, M. Sadowski, T. Myers
	Chula Vista Wildlife Reserve	SDCo. Airport Authority	0	0	0	0	0	0	0	0	0	21-May	R. Patton, M. Sadowski, T. Myers
	SD NWR/Salt Works	USFWS	33	61	95	97	97	93	45	36	12	22-May	R. Patton, L. Squires
	NAS North Island	US Navy	32	37	14	15	15	17	10	6	1	17-May	M. Post, S. Vernhet
	Coronado Beach	City of Coronado	0	0	0	0	0	0	0	0	0	24-May	S. Vissman
	Naval Amphibious Base-Ocean	US Navy	37	35	24	45	32	36	21	15	0	16-May	M. Post, K. Ozkan
	NAB Bay-Delta Beach	US Navy	2	0	8	8	8	10	6	4	0	16-May	A. Calhoun, J. Torres, S. Vernhet
	Silver Strand SB-Ocean	CDPR	24	17	12	9	12	12	7	4	1	20-May	L. Squires
	Silver Strand SB-Bay	CDPR	0	0	0	0	0	0	0	0	0	20-May	L. Squires
	Naval Radio Receiving Facility	US Navy	20	11	5	10	17	23	14	8	1	16-May	M. Post
	South Bay Biological Reserve	County of San Diego	0	0	0	0	0	0	0	0	0		not surveyed
	Imperial Beach	City of Imperial Beach	0	0	0	0	0	0	0	0	0	24-May	S. Vissman
	Tijuana Estuary/Tijuana Slough NWR	USFWS	9	16	10	16	18	12	6	5	1	17-May	R. Patton, L. Squires, M. Sadowski (plans to re-survey 5/23)
	Border Field SP	CDPR	19	19	13	7	15	12	6	4	2	16-May	L. Squires, M. Sadowski, R. Patton, M. Stahl (plans to re-survey 5/23)
County Total			2294	2322	2296	2367	2324	2313	161	113	20		
Total Unit 6			2360	2391	2389	2481	2469	2416	216	156	25		
California Total			3761	3935	3823	4008	3991	3763	848	668	228		
2019 U.S. Pacific Coast Total			4030	4275	4300	4366	4393	4242	1110	858	255		
		WDFW = Washington Department of Fish and Wildlife											
		CDFW = California Department of Fish and Wildlife											
		CDPR = California Department of Parks and Recreation											
		BLM = US Bureau of Land Management											
		USFWS = US Fish and Wildlife Service											
		USNPS = US National Park Service											
		USFS = US Forest Service											
		USACE = US Army Corps Engineers											
		OPRD = OR Parks and Recreation Dept											
		GGNRA = Golden Gate Nat. Recreation Area											
		CCC = California Coastal Conservancy											

2019 totals/sex ratio above

*UCLA volunteers include: B. Spies, D. Alanis, J. Gopar, F. Merlos, M. Weiss, K. Reeves, S. Abdelmalak, M. Feingold, R. Diaz, M. Tafoya, K. Rivera, G. Sainz, I. Dinton, D. Rivas, B. Burdick, R. Distaso, H. Fenster, H. Crispi, A. Hailer, and A. Kupka