

Brian Pittman

Subject: FW: Ballona: butterfly table
Attachments: FBW Butterfly Counts 2007-2016.xls

From: Karina Johnston
Sent: Tuesday, October 18, 2016 4:01 PM
To: Janna Scott
Subject: RE: Ballona: butterfly table

Sure – they just sent me the most recent one – it has the butterfly data from 2007-2016 – see attached.

Hope it's going well!!

Karina Johnston
Director of Watershed Programs
The Bay Foundation
Office: (310) 216-9824

From: Janna Scott [<mailto:JScott@esassoc.com>]
Sent: Tuesday, October 18, 2016 3:37 PM
To: Karina Johnston
Subject: Ballona: butterfly table

Hi there!

Do you mind resending the butterfly table? Your note says that it was not in the 5-yr report because The Bay Foundation did not do the surveys – FBW and PSOMAS did. I haven't been able to put my hands on it... my filing on that should have been better. Sorry to have to ask.

Thanks very much,
Janna

Janna Scott
ESA | Environmental Science Associates
415.962.8453 direct

	2007		2008		2009		2010					2011			2012			2013			
	8/7/07		7/18/08	7/28/08	7/29/09	7/29/09	7/26/10	7/26/10	7/26/10	7/26/10	7/27/10	July	8/19/11	8/19/11	8/4/12	8/4/12	8/4/12	7/12/13	7/12/13	7/12/13	7/12/13
Thanks to all our volunteer counters who came out over the years: Ron, Bruce, Kelly, Nancy, Barbara, Cindy, Evi, John, Monaliza, June, Bill, Lynn, Yami, Richard, Carlos, Amanda, Elena, Patricia, Christian, Patrick, Eric, Erin, April, Courtney, Viktoria, Alex, Brandt, Ivan, Charlie, Daniel, Maria, Brad, Marina, Mychel, Mina, Day, Tracy, Dan, Lisa, Alys, Jen, and Colin	Ballona Freshwater Marsh	Ballona Saltwater Marsh	Ballona Freshwater Marsh	Ballona Saltwater Marsh	Ballona Freshwater Marsh	Ballona Saltwater Marsh	Ballona Triangle	Ballona Freshwater Marsh	Cabora Drive Slough	Ripairian Corridor	Ballona Saltwater Marsh	Ballona Saltwater Marsh	Ballona Freshwater Marsh	Ballona Saltwater Marsh	Ballona Bluff	Ballona Freshwater Marsh	Ballona Saltwater Marsh	Ballona Bluff	Ballona Freshwater Marsh	Ballona Saltwater Marsh	Ripairian Corridor
Start Time	1:30P		11:00A	10:40A	8:20A	8:45A	10:25A	11:50A	11:55A	3:25P	11:15A		3:35P	12:30P	1:17P	1:12P	10:14A	11:45A	11:33A	9:15A	10:20A
End Time	5:00P		2:00P	1:30P	1:30P	1:15P	11:15A	2:30P	2:30P	5:15P	3:00P		4:55P	2:15P	2:30P	3:00P	12:45P	12:35P	1:40P	11:08A	1:15P
Total Time in hours	3.5		3	2.75	5	4.5	1	2.8	2.5	1.8	3.8		1.3	1.75	1.1	1.75	1.75	0.8	1.9	1.9	2.9
Temp (Total = Avg.)	72		68	70	68	68	65	65	68	70	65		75	72	78	78	72	72	72	72	72
Cloud Cover (% of time)	20%		50%	50%	75%	75%	95%	95%	80%	75%	80%		10%	10%	10%	10%	80%	20%	20%	20%	20%
Wind (mph)	2		5	4	5	5	5	10	5	10	5		5	5	5	8	2	5	5	5	5
Car miles																					
Foot miles	3		2	2	2	2	0.5	2	2	2	2		2	2	1	2	2	1	2	2	2
Leader	Drake		Fimiani	Fimiani	Drake	Nieto	Drake	Drake	Fimiani	Drake	Drake	Cooper	Drake	Drake	Fimiani	Drake	Drake	Melin	Drake	Drake	Cooper
Anise Swallowtail											1								1		
Giant Swallowtail																					
Western Swallowtail					1			1	1	3			6	3		1			2	4	3
Swallowtail sp.															2					1	
Checkered White	1			2		9	1	1	3	3	1										
Cabbage White	8		3	16	4	12	1	2	5	9	11		5	25	2	4	10	3	6	10	19
White sp.								1	3		1										
Orange Sulphur			3	1																	
Cloudless Sulphur				2											1					1	2
Sleepy Orange																					
Dainty Sulphur																					
Gray Hairstreak	18		2	5	4			8	7		4		9	4	1	4		3	4		4
Western Pygmy-Blue	36		22	8	22	6	1	74	6		2		23	2	1	28	1		7		
Marine Blue	82		10	1	12	3		6	28	4	10		19	10	8	20	20	5	5		4
Reakirt's Blue																					
Spring Azure																					
Square-spotted Blue																					
El Segundo Blue												30					4			75	
Acmon Blue			2	7		3		4	5	7	5		2								2
Blue Sp.					2			7	21	3	8		8	7	13	10			5	1	
Fatal Metalmark																					1

	2007		2008		2009		2010					2011			2012			2013			
	8/7/07		7/18/08	7/28/08	7/29/09	7/29/09	7/26/10	7/26/10	7/26/10	7/26/10	7/27/10	July	8/19/11	8/19/11	8/4/12	8/4/12	8/4/12	7/12/13	7/12/13	7/12/13	7/12/13
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Behr's Metalmark																	1				
Gulf Fritillary								1													
Mourning Cloak										2			3					1	1		5
American Lady	1												2								
Painted Lady	1																				
West Coast Lady									1		2										
Lady sp.														1							
Lorquin's Admiral																					1
Red Admiral																	1				
Common Buckeye	45		4	2	2			9			1		7	6		6		10			2
Monarch													1					1	1		
Queen				1																	2
Funereal Duskywing																		1	2	1	5
Common Checkered-Skipper					1			1													
Northern White-Skipper																					
Fiery Skipper	7			6	3			11	6	22	2		34	11		20	10		1	5	1
Sandhill Skipper								1		1	1			5		12	6		18		4
Sachem					1				1		3									1	
Wandering Skipper											15			22			8			8	
Woodland Skipper					2																
Umber Skipper				8					1	2	3			21			8		1	11	10
Eufala Skipper				1		8		2	1		8			3							
Skipper Sp.					8	1				4	1		1	1	2	15	2			1	
Total Unique Species	9	0	7	13	10	6	3	13	12	9	14	1	11	12	7	8	10	5	13	10	15
Unique Species by Year	9		13		13		19					16			15			20			
Totals of all counted	199	0	46	60	62	42	3	129	89	60	79	30	120	122	30	120	71	13	64	120	65

	13				2014			2015				2016		
	8/16/13	8/16/13	8/16/13	8/16/13	6/23/14	6/23/14	6/23/14	7/27/15	7/27/15	7/27/15	7/27/15	8/2/16	8/2/16	
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Start Time	11:30A	9:35A	1:00P	11:15A	2:40P	10:10A	10:20A	12:20P	9:15A	3:15P	12:09	12:50P	9:30A	
End Time	12:50P	11:15A	2:25P	11:20A	4:15P	1:05P	1:05P	2:30P	12:05P	3:46P	12:10	2:55P	12:20P	
Total Time in hours	1.3	1.8	1.5	0.1	1.75	2.9	2.7	2.1	2.9	0.5	0.1	2.1	2.9	68.45
Temp (Total = Avg.)	75	72	75	72	78	78	72	80	80	80	80	80	79	69
Cloud Cover (% of time)	80%	80%	80%	20%	0%	0%	20%	0%	20%	0%	20%	0%	40%	37 %
Wind (mph)	5	5	5	5	5	5	5	5	2	2	2	5	2	5
Car miles														0
Foot miles	2	2	2	0.01	2	2	2	2	2	0.05	0.01	2	2	55.57
Leader	Drake	Drake	Drake	Drake	Fimiani	Drake	Cooper	Drake	Drake	Tyrrell	Drake	Fimiani	Fimiani	
Anise Swallowtail			1											3
Giant Swallowtail						1								1
Western Swallowtail	1		1		2		7	4				2		42
Swallowtail sp.	1		1											5
Checkered White					1		6	3						31
Cabbage White		4	1	6	1	8	2	19	11	1	2	3	7	220
White sp.						1	10							16
Orange Sulphur								1						5
Cloudless Sulphur			2							2		1	6	17
Sleepy Orange														0
Dainty Sulphur							1							1
Gray Hairstreak	5	1	5				1	9	5			24	5	132
Western Pygmy-Blue	10				7	35	1	15	15			4	7	333
Marine Blue	1	1	1		2	12	13	1	14	3		1	5	301
Reakirt's Blue														0
Spring Azure														0
Square-spotted Blue														0
El Segundo Blue						117			27				2	255
Acmon Blue									2			1	4	44
Blue Sp.					2	4		3	4	1		2	1	102
Fatal Metalmark														1

	13				2014			2015				2016		
	8/16/13	8/16/13	8/16/13	8/16/13	6/23/14	6/23/14	6/23/14	7/27/15	7/27/15	7/27/15	7/27/15	8/2/16	8/2/16	
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Behr's Metalmark														1
Gulf Fritillary														1
Mourning Cloak								1						13
American Lady								1						4
Painted Lady														1
West Coast Lady														3
Lady sp.														1
Lorquin's Admiral														1
Red Admiral														2
Common Buckeye					1				2			1		98
Monarch					1	3	1	3	4		2	1	9	27
Queen	1	1											1	6
Funereal Duskywing						1	2							12
Common Checkered-Skipper	11													13
Northern White-Skipper														0
Fiery Skipper	5	5	3	8	1	5		1	10	5	1	3	7	193
Sandhill Skipper	10	1	1			2	4	3	3					72
Sachem		1											1	8
Wandering Skipper		7		1		1								62
Woodland Skipper			3											5
Umber Skipper		2	7	4		7	6		6		2	1	3	103
Eufala Skipper		5												28
Skipper Sp.	1					3		2	1				4	47
Total Unique Species	8	10	10	4	8	11	11	12	11	4	4	11	12	304
Unique Species by Year	4				16			17				14		
Totals of all counted	46	28	26	19	18	200	54	66	104	12	7	44	62	2,210