

Introduction

In October of 2017, the City of Costa Mesa began a comprehensive work effort directed at improving maintenance practices and reported increased mosquito breeding, associated with the wetlands habitat, at the Fairview Park Wetlands on Placentia Ave, Costa Mesa. This paper and attached graphs are a report out on just one of the actions taken by the City, in response to complaints from residents whose backyards are adjacent to the Fairview Wetlands. (For a description of the City's entire efforts, please contact the Fairview Park Administrator).

This report documents a backyard 'Mosquito Trapping Program' conducted by the City, in the "lower birds" neighborhood located between Placentia Ave., Adams, the Santa Ana River, and Fairview Park. The residents' assertions are that since installation of the wetland mitigation project (2009-2012), the wetland ponds and associated emergent vegetation alone are responsible for an increased number of mosquitos present in the area, resulting in their backyards being unusable.

In November of 2017, the City installed mosquito traps in nine backyards for three weeks as a "pilot program" to test mosquito traps and gain an understanding of how the project would need to be implemented in the following mosquito season. This pilot program did not include collection, counting, and identification of mosquito species, but was conducted only to alleviate any abundance of mosquitos in backyards. Then in 2018, between May 21 and November 5th, a full 21 - week program was initiated by the City, with fourteen residents of the lower birds' neighborhood participating. Fairview Park Administrator Cynthia D'Agosta oversaw the project and supervised City staff Matt Dimson, of the Parks and Community Services Department in the design, implementation, and documentation of the program. Matt fully implemented the project by identifying and ordering supplies, setting up weekly procedures involved with maintaining the mosquito traps and coordination with the residents, documenting the results of the trapping program, and providing concluding remarks for this report.

The **objectives** of this extended program were to:

1. Document on a weekly basis, the number of mosquitos netted in each trap;
2. Identify the species of mosquitos caught;
3. Utilize species identification to inform maintenance practices of the wetlands;
4. Utilize species identification to gain a better understanding of where the breeding maybe occurring both inside and outside of the wetlands; and
5. Potentially alleviate negative experiences of park neighbors.

Methods

All actions taken by City staff with regards to mosquito collection, counts, and results were coordinated through and with, Orange County Vector Control District (OCVCD) staff, field crews, and operations managers. Staff from OCVCD attended several meetings with City staff and residents at the outset of the project and were involved in training City staff to conduct the mosquito collection and counts. City staff members Matt Dimson and Madison Letterman spent a day in training at the OCVCD labs learning identification methods of mosquito species from their expert staff, and collection methods from their field crew. The City borrowed microscopes from Costa Mesa and Estancia high school biology departments and set up a "mini-lab" at the City's Senior Center to conduct the counts.

The residents that participated in the original pilot project in 2017 helped recruit neighbors to participate in the 2018, 21-week program, bringing the total number of traps installed to fifteen. The trap brand used was a CO2 “Mosquito Magnet” which is reported to provide up to one-acre coverage for trapping and attracting mosquitos. The traps required that staff maintain and change out supplies such CO2 cartridges, lures, and propane every 3 weeks.

Staff installed the traps in the backyards with a power outlet and extension cord provided by the residents; waivers were signed and collected to allow staff to have weekly access to the residents’ yards for collection. Staff developed a schedule for the residents ahead of time, and they were reminded via email each week before staff would arrive to check on the mosquito traps. Mosquitos from the traps were collected weekly and mosquitos were then identified by species using microscopes. Data for each trap included species and sex of mosquitos, total number of mosquitos caught, and the overall abundance of mosquitos.

Results

The results of the counts are presented in Attachments A and B of this report. Attachment A organizes the data by week, with a count for each address; Attachment B contains one sheet for each address, showing the counts over the entire 21 weeks. A summary of these data sheets, showing only the **highest counts per week, by address** is shown here:

WEEK	RESIDENCE	Highest # mosquitos in a week
May 21-29	2025 Swan	97
May 30-June 4	2077 Swan	84
June 4- June 11	2037 Swan	96
June 11-18	2025 Swan	331
June 18-27	2037 Swan	202 ** OCVCD extra spray
June 27-July 9	2001 Swan	58
July 9 - 20	2025 Swan	147
July 20-30	2073 Swan	196
July 30-Aug 9	2025 Swan	165
Aug 9 - 14	Compromised counts	
Aug 14-20	2025 Swan	532
Aug 20-28	2073 Swan	247 ** OCVCD extra spray
Aug 28-Sept 4	2025 Swan	41
Sept 4 – 10	2001 Swan	56
Sept 10 -17	2025 Swan	17
Sept 17-24	2737 Albatross	8
Sept 24 – Oct 1	1941 Swan	6
Oct 1 – 8	All	0
Oct 8 - 15	1991 Swan	3
Oct 15-29	2749 Sandpiper	3
Oct 29 – Nov 5	2749 Sandpiper	4

OCVCD provided two data points for City staff to use when considering the results of the counts: 1.) Mosquito abundance counts reaching over 75 mosquitos per trap night is considered a serious matter and triggers additional treatments be applied; and 2.) counts of 2,000 mosquitos a night per trap are common in other nearby ponds/wetlands in Newport Beach and Huntington Beach.

When looking at the data collected as “average number of mosquitos per night”, the neighborhood traps only crossed this threshold **once** this season. This was the week of August 14-20 at 2525 Swan Drive where the average number of mosquitos each night was 89. Using these points of comparisons only, a review of the attached spreadsheets does not represent a significant mosquito problem by OCVCD standards.

Although staff from the City had been in discussion with OCVCD staff over the period of the project, counts for the same period / weeks from OCVCD were not available for comparisons for purposes of this report. However, OCVCD does have one trap at the Fairview Park Wetlands that they monitor on a regular basis (and at other locations in the park). This trap is situated directly at the eastern edge of pond E and therefore does produce higher counts than the backyard traps. Counts from the OCVCD trap triggered two additional back-pack spraying applications during the 21 weeks. (see chart above).

Conclusion

Did we meet our objectives?

1. **Document on a weekly basis, the number of mosquitos netted in each trap.** This we have been able to do, and would recommend that the program be repeated next year for the three- month period that saw the highest counts: June/July/August. This will provide us with data that supports or refutes certain adaptations in management activities.
2. **Identify the species of mosquitos caught.** Yes, this was accomplished and is doable by City staff. The three species counted included: Cx. Erythrothorax; Ae. Hermsi; Cs. Incidens. (Others can be identified, are in staff notes). *Culex quinquefasciatus*, the southern house mosquito, is best caught with gravid traps not the CO2 traps that we are currently using. These types would not be expected from the wetlands, but breed in other types of muddy and dirty waters.
3. **Utilize species identification to inform maintenance practices of the wetlands.** This was important because each mosquito species has a different type of breeding habitat and depending on numbers, crews can be directed to target algae (Hermsi) vs. tules (Erythrothorax) in any particular day or week.
4. **Utilize species identification to gain a better understanding of where the breeding maybe occurring both inside and outside of the wetlands.** This step cannot be entirely stated as completed yet. More investigation into the specific habitats and maintenance practices outside of the wetlands would need more investigation.
5. **Potentially alleviate any negative experiences of park neighbors.** Some residents have remarked that this has been better than last summer, others note no difference, and a few say it has been worse. Again, a second season of trapping would better inform this objective.

Recommendations

As stated above, if run again, the program would provide comparison data to draw more robust conclusions to select objectives. However, given the collection numbers, staff would only recommend this be done in June/July and August.

Consideration should be given to placing the mosquito traps outside of the backyards and closer to the Fairview Wetlands. This would provide easier access to City staff and would reduce any problems with accessing private backyards. Placing the traps directly behind the backyard fences, on City property, should continue to provide relief (if any) to the backyards.

Finally, the City's overall daily management and maintenance of the Fairview Wetlands, along with the annual mechanical clearings, improved water flows, and the independent study getting underway, will probably have a greater effect on the mosquito population than backyard mosquito traps.

This report is respectfully submitted by Cynthia D'Agosta, Fairview Park Administrator and Matt Dimson, Fairview Park Assistant for the Parks and Community Services Department of the City of Costa Mesa.

May 21st - 29th 2018

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	0	0	3	0	0	0	3	0.75	6	
1941 Swan	0	0	0	0	0	0	0	0	0.00	0	Trap was unplugged 5/26
1971 Swan	0	0	0	5	0	0	0	0	0.63	5	
1991 Swan	0	3	3	17	0	1	0	0	3.00	24	
2001 Swan	0	11	0	16	0	0	0	0	3.38	27	
2006 Swan	0	0	0	22	0	0	0	4	3.25	26	Trap was moved
2025 Swan	0	23	0	97	0	0	0	0	15.00	120	
2029 Swan	0	2	0	5	0	0	0	0	0.88	7	
2033 Swan	N/A										Trap installed 6/11
2037 Swan	N/A										Trap malfunction
2073 Swan	N/A										Trap installed 6/4
2077 Swan	0	8	0	69	0		0	0	9.63	77	
2085 Swan	0	4	0	34	0	1	0	0	4.88	39	
2749 Sandpiper	0	2	0	18	0	2	0	0	2.75	22	
2068 Mandarin	N/A										Trap malfunction

May 29th - June 4th 2018

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	0	0	3	0	0	0	0	0.50	3	
1941 Swan	N/A										Trap malfunction
1971 Swan	0	0	0	6	0	0	0	0	1.00	6	
1991 Swan	0	1	0	48	0	1	0	1	8.50	51	
2001 Swan	0	10	0	23	0	0	0	0	5.50	33	
2006 Swan	0	4	0	20	0	0	0	3	4.50	27	
2025 Swan	0	15	0	53	0	3	0	1	12.00	72	
2029 Swan	0	1	0	4	0	1	0	0	1.00	6	
2033 Swan	N/A										Trap installed 6/11
2037 Swan	0	17	0	28	0	3	0	6	9.00	54	
2073 Swan	N/A										Trap installed 6/4
2077 Swan	0	20	0	54	0	0	0	10	14.00	84	Trapping suspended: moved to 2073
2085 Swan	0	1	0	24	0		0	6	5.17	31	
2749 Sandpiper	0	3	0	21	0	1	0	4	4.83	29	
2068 Mandarin	0	1	0	3	0	0	0	0	0.67	4	

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

June 4th - 11th 2018

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	0	0	4	0	2	0	1	1.00	7	
1941 Swan	0	0	0	3	0	0	0	0	0.43	3	
1971 Swan	1	0	0	4	0	1	0	0	0.86	6	
1991 Swan	0	10	0	61	0	0	0	0	10.14	71	
2001 Swan	0	12	0	24	0	0	0	0	5.14	36	
2006 Swan	0	9	0	17	0	0	0	2	4.00	28	
2025 Swan	0	23	0	69	0	0	0	0	13.14	92	
2029 Swan	0	6	0	6	0	0	0	0	1.71	12	
2033 Swan	N/A										Trap installed today
2037 Swan	0	36	0	60	0	0	0	0	13.71	96	
2073 Swan	0		0		0	0			0.00	0	No count
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	14	0	1	40	0	0	0	2	8.14	57	Resident opened trap to count mosquitos
2749 Sandpiper	N/A										Trap malfunction
2068 Mandarin	0	0	1	4	0	0	0	0	0.71	5	

June 11th - 18th 2018

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	4	0	18	0	0	0	3	3.57	25	
1941 Swan	0	1	0	2	0	0	0	0	0.43	3	
1971 Swan	1	3	0	2	0	0	0	0	0.86	6	
1991 Swan	0	29	0	106	0	0	0	2	19.57	137	
2001 Swan	0	56	0	37	0	0	0	0	13.29	93	
2006 Swan	0	11	0	29	0	0	0	2	6.00	42	Trap was moved
2025 Swan	0	159	0	172	0	0	0	0	47.29	331	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	11	0	15	0	0	0	0	3.71	26	
2037 Swan	0	109	0	42	0	0	0	0	21.57	151	
2073 Swan	N/A										Trap Malfunction
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	18	0	80	0	3	0	0	14.43	101	Resident opened trap to count mosquitos
2749 Sandpiper	0	35	1	60	0	5	0	9	15.71	110	
2068 Mandarin	0	16	0	16	0	0	0	0	4.57	32	

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

June 18th - 27th 2018

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	8	0	14	0	0	0	3	2.78	25	
1941 Swan	0	9	0	14	0	0	0	0	2.56	23	
1971 Swan	0	5	0	7	0	0	0	0	1.33	12	
1991 Swan	0	77	0	87	0	0	0	0	18.22	164	
2001 Swan	0	82	0	34	0	0	0	0	12.89	116	
2006 Swan	0	4	0	9	0	0	0	2	1.67	15	
2025 Swan	0	238	0	73	0		0		34.56	311	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	14	0	7	0	0	0	0	2.33	21	
2037 Swan	0	94	0	108	0	0	0	0	22.44	202	
2073 Swan	0	68	0	69	0	0	0	0	15.22	137	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	63	3	74	0	0	0	1	15.67	141	Resident opened trap to count mosquitos
2749 Sandpiper	N/A										
2068 Mandarin	0	7	0	12	0	0	0	0	2.11	19	Trap removed; resident's request

June 27th - July 9th 2018

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	4	0	8	0	0	0	0	1.00	12	
1941 Swan	0	2	0	3	0	0	0	0	0.42	5	
1971 Swan	0	1	0	4	0	0	0	0	0.42	5	
1991 Swan	0	11	0	21	0	0	0	0	2.67	32	
2001 Swan	0	27	0	29	0	2	0	0	4.83	58	
2006 Swan	0	0	0	3	0	0	0	3	0.50	6	Trap was moved
2025 Swan	N/A										
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	2	0	6	0	0	0	0	0.67	8	Flower petals inside trap
2037 Swan	0	24	0	29	0	0	0	0	4.42	53	
2073 Swan	0	17	0	10	0	0	0	0	2.25	27	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	7	0	35	0	0	0	5	3.92	47	
2749 Sandpiper	0	2	0	13	0	0	0	2	1.42	17	
2068 Mandarin	Trapping concluded; at resident's request										

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

July 9th - 20th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	8	0	4	0	0	0	2	1.27	14	
1941 Swan	0	6	0	0	0	0	0	0	0.55	6	
1971 Swan	0	7	0	0	0	0	0	0	0.64	7	
1991 Swan	0	31	0	5	0	0	0	0	3.27	36	
2001 Swan	0	49	0	9	0	0	0	0	5.27	58	
2006 Swan	0	8	0	2	0	0	0	1	1.00	11	
2025 Swan	0	125	0	22	0	0	0	0	13.36	147	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	19	0	7	0	0	0	0	2.36	26	
2037 Swan	0	61	0	13	0	0	0	0	6.73	74	
2073 Swan	0	35	0	9	0	0	0	0	4.00	44	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	46	0	14	0	0	0	1	5.55	61	
2749 Sandpiper	0	23	0	4	0	0	0	0	2.45	27	
2068 Mandarin	Trapping Concluded; at resident's request										

July 20th - 30th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	4	0	1	0	0	0	1	0.67	6	
1941 Swan	0	1	0	1	0	0	0	0	0.22	2	
1971 Swan	0	2	0	2	0	0	0	0	0.44	4	
1991 Swan	0	0	0	0	0	0	0	0	0.00	0	
2001 Swan	0	17	0	8	0	0	0	0	2.78	25	
2006 Swan	0	4	0	4	0	0	0	2	1.11	10	
2025 Swan	N/A										
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	7	0	1	0	0	0	0	0.89	8	
2037 Swan	0	8	0	2	0	0	0	0	1.11	10	
2073 Swan	0	151	0	42	0	0	0	3	21.78	196	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	63	3	74	0	0	0	1	15.67	141	
2749 Sandpiper	0	18	0	12	0	0	0	0	3.33	30	
2068 Mandarin	Trapping Concluded; at resident's request										

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

July 30th - August 9th											
Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	15	0	3	0	0	0	1	1.73	19	
1941 Swan	0	10	0	4	0	0	0	0	1.27	14	
1971 Swan	0	17	0	5	0	0	0	0	2.00	22	
1991 Swan	0	21	0	2	0	0	0	0	2.09	23	
2001 Swan	0	35	0	6	0	0	0	0	3.73	41	
2006 Swan	N/A									Trap malfunction; gas valve turned off	
2025 Swan	0	151	0	14	0	0	0	0	15.00	165	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	18	0	0	0	0	0	0	1.64	18	
2037 Swan	0	25	0	5	0	0	0	0	2.73	30	
2073 Swan	0	95	0	12	0	0	0	3	10.00	110	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	61	0	8	0	0	0	1	6.36	70	
2749 Sandpiper	0	29	0	9	0	0	0	0	3.45	38	
2068 Mandarin	Trapping Concluded; at resident's request										

August 9th - 14th											
Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	Samples Compromised										
1941 Swan											
1971 Swan											
1991 Swan											
2001 Swan											
2006 Swan											
2025 Swan											
2029 Swan											
2033 Swan											
2037 Swan											
2073 Swan											
2077 Swan											
2085 Swan											
2749 Sandpiper											
2068 Mandarin											

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

August 14th - 20th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN		Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights			
2737 Albatross	0	11	0	3	0	0	0	0	2.33	14		
1941 Swan	0	20	0	7	0	0	0	0	4.50	27		
1971 Swan	0	6	0	7	0	0	0	0	2.17	13		
1991 Swan	0	19	0	6	0	0	0	0	4.17	25		
2001 Swan	0	41	0	18	0	0	0	0	9.83	59		
2006 Swan	0	0	0	0	0	0	0	0	0.00	0		
2025 Swan	0	433	0	99	0	0	0	0	88.67	532		
2029 Swan	Trapping Concluded; at resident's request											
2033 Swan	0	23	0	4	0	0	0	0	4.50	27		
2037 Swan	0	49	0	11	0	0	0	0	10.00	60		
2073 Swan	0	103	0	20	0	0	0	0	20.50	123		
2077 Swan	Trapping concluded; backyard construction											
2085 Swan	0	47	0	13	0	0	0	0	10.00	60		
2749 Sandpiper	0.0	9.0	0.0	11.0	0.0	0.0	0.0	0.0	3.33	20		
2068 Mandarin	Trapping Concluded; at resident's request											

August 20th - 28th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN		Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights			
2737 Albatross	N/A											Trap Malfunction
1941 Swan	0	14	0	6	0	0	0	0	2.50	20		
1971 Swan	0	2	0	0	0	0	0	0	0.25	2		
1991 Swan	0	5	0	2	0	0	0	0	0.88	7		
2001 Swan	0	16	0	10	0	0	0	0	3.25	26		
2006 Swan	0	1	0	0	0	0	0	0	0.13	1		
2025 Swan	0	131	0	109	0	3	0	4	30.88	247		
2029 Swan	Trapping Concluded; at resident's request											
2033 Swan	0	5	0	0	0	0	0	0	0.63	5		
2037 Swan	0	57	0	11	0	1	0	4	9.13	73		
2073 Swan	0	33	0	11	0	0	0	0	5.50	44		
2077 Swan	Trapping concluded; backyard construction											
2085 Swan	0	7	0	4	0	0	0	0	1.38	11		
2749 Sandpiper	0	8	0	4	0	0	0	0	1.50	12.00		
2068 Mandarin	Trapping Concluded; at resident's request											

August 28th - September 4th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	1	0	3	0	0	0	0	0.57	4	
1941 Swan	0	2	0	0	0	0	0	0	0.29	2	
1971 Swan	0	2	0	3	0	0	0	0	0.71	5	
1991 Swan	0	4	0	2	0	0	0	0	0.86	6	
2001 Swan	0	3	0	2	0	0	0	0	0.71	5	
2006 Swan	0	1	0	1	0	0	0	1	0.43	3	
2025 Swan	0	29	0	12	0	0	0	0	5.86	41	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	9	0	5	0	0	0	0	2.00	14	
2037 Swan	0	10	0	3	0	0	0	0	1.86	13	
2073 Swan	0	22	0	8	0	0	0	0	4.29	30	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	4	0	1	0	0	0	0	0.71	5	
2749 Sandpiper	N/A										Trap Malfunction
2068 Mandarin	Trapping Concluded; at resident's request										

September 4th - 10th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	2	0	1	0	0	0	2	0.83	5	
1941 Swan	0	4	0	3	0	0	0	0	1.17	7	
1971 Swan	N/A										Side gate is locked
1991 Swan	0	3	0	10	0	0	0	0	2.17	13	
2001 Swan	0	50	0	6	0	0	0	0	9.33	56	
2006 Swan	0	4	0	4	0	0	0	0	1.33	8	
2025 Swan	0	21	0	16	0	0	0	0	6.17	37	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	6	0	6	0	0	0	0	2.00	12	
2037 Swan	0	6	0	6	0	0	0	0	2.00	12	
2073 Swan	0	2	0	6	0	0	0	0	1.33	8	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	2	0	16	0	0	0	0	3.00	18	
2749 Sandpiper	N/A										Trap malfunction
2068 Mandarin	Trapping Concluded; at resident's request										

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

September 10th - 17th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	1	0	0	0	0	0	0	0.14	1	
1941 Swan	0	1	0	1	0	0	0	0	0.29	2	
1971 Swan	0	4	0	0	0	0	1	0	0.71	5	
1991 Swan	N/A										Trap Malfunction
2001 Swan	0	2	0	0	0	0	0	0	0.29	2	
2006 Swan	0	2	0	0	0	0	0	0	0.29	2	
2025 Swan	0	13	0	2	0	0	0	2	2.43	17	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	1	0	0	0	0	0	0	0	0.14	1	
2037 Swan	0	0	0	0	0	0	0	0	0.00	0	
2073 Swan	N/A										Trap Malfunction
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	0	0	3	0	0	0	0	0.43	3	
2749 Sandpiper	0	1	0	1	0	0	0	3	0.71	5	
2068 Mandarin	Trapping concluded; at resident's request										

September 17th - 24th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	2	0	6	0	0	0	0	1.00	8	
1941 Swan	0	0	0	3	0	0	0	0	0.38	3	
1971 Swan	N/A										Side Gate Locked
1991 Swan	0	1	0	0	0	0	0	0	0.13	1	
2001 Swan	0	0	0	1	0	0	0	0	0.13	1	
2006 Swan	0	0	0	0	0	0	0	0	0.00	0	
2025 Swan	0	0	0	0	0	0	0	0	0.00	0	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	1	0	0	0	0	0	0	0.13	1	
2037 Swan	0	1	0	0	0	0	0	0	0.13	1	
2073 Swan	0	1	0	0	0	0	0	0	0.13	1	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	0	0	1	0	0	0	0	0.13	1	
2749 Sandpiper	N/A										Trap Malfunction
2068 Mandarin	Trapping concluded; at resident's request										

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

September 24th -October 1st

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	0	0	0	0	0	0	0	0.00	0	
1941 Swan	0	3	0	1	0	0	0	0	0.75	6	
1971 Swan	0	0	0	0	0	0	0	0	0.00	0	
1991 Swan	0	0	0	0	0	0	0	0	0.00	0	
2001 Swan	0	0	0	0	0	0	0	0	0.00	0	
2006 Swan	0	0	0	0	0	0	0	0	0.00	0	
2025 Swan	0	0	0	0	0	0	0	0	0.00	0	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	1	0	0	0	0	0	0	0.13	1	
2037 Swan	0	1	0	0	0	0	0	0	0.13	1	
2073 Swan	0	0	0	0	0	0	0	0	0.00	0	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	1	0	1	0	0	0	0	0.25	2	
2749 Sandpiper	N/A										Trap was unplugged
2068 Mandarin	Trapping concluded; at resident's request										

October 1st - October 8th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	0	0	0	0	0	0	0	0.00	0	
1941 Swan	0	0	0	0	0	0	0	0	0.00	0	
1971 Swan	0	0	0	0	0	0	0	0	0.00	0	
1991 Swan	0	0	0	0	0	0	0	0	0.00	0	
2001 Swan	0	0	0	0	0	0	0	0	0.00	0	
2006 Swan	0	0	0	0	0	0	0	0	0.00	0	
2025 Swan	0	0	0	0	0	0	0	0	0.00	0	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	0	0	0	0	0	0	0	0.00	0	
2037 Swan	0	0	0	0	0	0	0	0	0.00	0	
2073 Swan	0	0	0	0	0	0	0	0	0.00	0	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	0	0	0	0	0	0	0	0.00	0	
2749 Sandpiper	0	0	0	0	0	0	0	0	0.00	0	
2068 Mandarin	Trapping concluded; at resident's request										

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

October 8th - 15th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	0	0	0	0	0	0	0	0.00	0	
1941 Swan	0	1	0	0	0	0	0	0	0.25	2	
1971 Swan	0	0	0	0	0	0	0	0	0.00	0	
1991 Swan	0		0	2	0	0	0	1	0.38	3	
2001 Swan	0	0	0	0	0	0	0	0	0.00	0	
2006 Swan	N/A										Nobody Was home
2025 Swan	0	0	0	0	0	0	0	0	0.00	0	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	0	0	2	0	0	0	0	0.25	2	
2037 Swan	0	0	0	0	0	0	0	1	0.13	1	
2073 Swan	0	1	0	0	0	0	0	0	0.13	1	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	0	0	0	0	0	0	0	0.00	0	
2749 Sandpiper	0	0	2	0	0	0	0	0	0.25	2	
2068 Mandarin	Trapping concluded; at resident's request										

October 15th - 29th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
2737 Albatross	0	0	0	0	0	0	0	1	0.07	1	
1941 Swan	N/A										Trap Malfunction
1971 Swan	0	0	0	0	0	0	0	0	0.00	0	
1991 Swan	0	1	0	0	0	0	0	0	0.07	1	
2001 Swan	0	0	0	0	0	0	0	0	0.00	0	
2006 Swan	N/A										Nobody was home
2025 Swan	0	0	0	2	0	0	0	0	0.14	2	
2029 Swan	Trapping Concluded; at resident's request										
2033 Swan	0	0	0	1	0	0	0	0	0.07	1	
2037 Swan	0	0	0	0	0	0	0	0	0.00	0	
2073 Swan	0	0	0	0	0	0	0	0	0.00	0	
2077 Swan	Trapping concluded; backyard construction										
2085 Swan	0	0	0	0	0	0	0	0	0.00	0	
2749 Sandpiper	0	0	0	0	0	0	0	3	0.21	3	
2068 Mandarin	Trapping concluded; at resident's request										

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

October 29th - November 5th

Location	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN		Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights			
2737 Albatross	0	0	0	0	0	0	0	0	0.00		0	
1941 Swan	0	0	0	0	0	0	0	0	0.00		0	
1971 Swan	N/A											Side Gate Locked
1991 Swan	0	0	0	0	0	0	0	0	0.00		0	
2001 Swan	0	0	0	0	0	0	0	2	0.29		2	
2006 Swan	0	0	0	0	0	0	0	0	0.00		0	
2025 Swan	0	0	0	2	0	0	0	1	0.43		3	
2029 Swan	Trapping Concluded; at resident's request											
2033 Swan	0	0	0	0	0	0	0	0	0.00		0	
2037 Swan	0	0	0	0	0	0	0	0	0.00		0	
2073 Swan	0	0	0	0	0	0	0	0	0.00		0	
2077 Swan	Trapping concluded; backyard construction											
2085 Swan	0	0	0	0	0	0	0	0	0.00		0	
2749 Sandpiper	0	0	0	0	0	0	0	4	0.57		4	
2068 Mandarin	Trapping concluded; at resident's request											

Average # mosquitos per trap / per night:

lowest count

highest count

Highest # total mosquitos in one week

2085 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	4	0	34	0	1	0	0	4.88	39	
5/29 - 6/4	0	1	0	24	0		0	6	5.17	31	
6/4 - 6/11	14	0	1	40	0	0	0	2	8.14	57	Resident opened trap to count mosquitos
6/11 - 6/18	0	18	0	80	0	3	0	0	14.43	101	Resident opened trap to count mosquitos
6/18 - 6/27	0	63	3	74	0	0	0	1	15.67	141	Resident opened trap to count mosquitos
6/27 - 7/9	0	7	0	35	0	0	0	5	3.92	47	
7/9 - 7/20	0	46	0	14	0	0	0	1	5.55	61	
7/20 - 7/30	0	63	3	74	0	0	0	1	15.67	141	
7/30 - 8/9	0	61	0	8	0	0	0	1	6.36	70	
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	47	0	13	0	0	0	0	10.00	60	
8/20 - 8/28	0	7	0	4	0	0	0	0	1.38	11	
8/28 - 9/4	0	4	0	1	0	0	0	0	0.71	5	
9/4 - 9/10	0	2	0	16	0	0	0	0	3.00	18	
9/10 - 9/17	0	0	0	3	0	0	0	0	0.43	3	
9/17 - 9/24	0	0	0	1	0	0	0	0	0.13	1	
9/24 - 10/1	0	1	0	1	0	0	0	0	0.25	2	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	0	0	0	0	0	0	0	0.00	0	
10/15 - 10/29	0	0	0	0	0	0	0	0	0.00	0	
10/29 - 11/5	0	0	0	0	0	0	0	0	0.00	0	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2077 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	8	0	69	0		0	0	9.63	77	
5/29 - 6/4	0	20	0	54	0	0	0	10	14.00	84	Trapping suspended: moved to 2073
6/4 - 6/11	Trapping concluded; backyard construction										
6/11 - 6/18											
6/18 - 6/27											
6/27 - 7/9											
7/9 - 7/20											
7/20 - 7/30											
7/30 - 8/9											
8/9 - 8/14											
8/14 - 8/20											
8/20 - 8/28											
8/28 - 9/4											
9/4 - 9/10											
9/10 - 9/17											
9/17 - 9/24											
9/24 - 10/1											
10/1 - 10/8											
10/8 - 10/15											
10/15 - 10/29											
10/29 - 11/5											

Average # mosquitos per trap / per night:

highest counts

lowest counts

2073 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	N/A										
5/29 - 6/4	Trap installed										
6/4 - 6/11	0		0		0	0			0.00	0	No count
6/11 - 6/18	N/A										
6/18 - 6/27	0	68	0	69	0	0	0	0	15.22	137	
6/27 - 7/9	0	17	0	10	0	0	0	0	2.25	27	
7/9 - 7/20	0	35	0	9	0	0	0	0	4.00	44	
7/20 - 7/30	0	151	0	42	0	0	0	3	21.78	196	
7/30 - 8/9	0	95	0	12	0	0	0	3	10.00	110	
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	103	0	20	0	0	0	0	20.50	123	
8/20 - 8/28	0	33	0	11	0	0	0	0	5.50	44	
8/28 - 9/4	0	22	0	8	0	0	0	0	4.29	30	
9/4 - 9/10	0	2	0	6	0	0	0	0	1.33	8	
9/10 - 9/17	N/A										
9/17 - 9/24	0	1	0	0	0	0	0	0	0.13	1	
9/24 - 10/1	0	0	0	0	0	0	0	0	0.00	0	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	1	0	0	0	0	0	0	0.13	1	
10/15 - 10/29	0	0	0	0	0	0	0	0	0.00	0	
10/29 - 11/5	0	0	0	0	0	0	0	0	0.00	0	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2037 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	N/A										Trap malfunction
5/29 - 6/4	0	17	0	28	0	3	0	6	9.00	54	
6/4 - 6/11	0	36	0	60	0	0	0	0	13.71	96	
6/11 - 6/18	0	109	0	42	0	0	0	0	21.57	151	
6/18 - 6/27	0	94	0	108	0	0	0	0	22.44	202	
6/27 - 7/9	0	24	0	29	0	0	0	0	4.42	53	
7/9 - 7/20	0	61	0	13	0	0	0	0	6.73	74	
7/20 - 7/30	0	8	0	2	0	0	0	0	1.11	10	
7/30 - 8/9	0	25	0	5	0	0	0	0	2.73	30	
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	49	0	11	0	0	0	0	10.00	60	
8/20 - 8/28	0	57	0	11	0	1	0	4	9.13	73	
8/28 - 9/4	0	10	0	3	0	0	0	0	1.86	13	
9/4 - 9/10	0	6	0	6	0	0	0	0	2.00	12	
9/10 - 9/17	0	0	0	0	0	0	0	0	0.00	0	
9/17 - 9/24	0	1	0	0	0	0	0	0	0.13	1	
9/24 - 10/1	0	1	0	0	0	0	0	0	0.13	1	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	0	0	0	0	0	0	1	0.13	1	
10/15 - 10/29	0	0	0	0	0	0	0	0	0.00	0	
10/29 - 11/5	0	0	0	0	0	0	0	0	0.00	0	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2033 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29											
5/29 - 6/4	N/A										
6/4 - 6/11	Trap installed today										
6/11 - 6/18	0	11	0	15	0	0	0	0	3.71	26	
6/18 - 6/27	0	14	0	7	0	0	0	0	2.33	21	
6/27 - 7/9	0	2	0	6	0	0	0	0	0.67	8	Flower petals inside trap
7/9 - 7/20	0	19	0	7	0	0	0	0	2.36	26	
7/20 - 7/30	0	7	0	1	0	0	0	0	0.89	8	
7/30 - 8/9	0	18	0	0	0	0	0	0	1.64	18	
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	23	0	4	0	0	0	0	4.50	27	
8/20 - 8/28	0	5	0	0	0	0	0	0	0.63	5	
8/28 - 9/4	0	9	0	5	0	0	0	0	2.00	14	
9/4 - 9/10	0	6	0	6	0	0	0	0	2.00	12	
9/10 - 9/17	1	0	0	0	0	0	0	0	0.14	1	
9/17 - 9/24	0	1	0	0	0	0	0	0	0.13	1	
9/24 - 10/1	0	1	0	0	0	0	0	0	0.13	1	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	0	0	2	0	0	0	0	0.25	2	
10/15 - 10/29	0	0	0	1	0	0	0	0	0.07	1	
10/29 - 11/5	0	0	0	0	0	0	0	0	0.00	0	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2029 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	2	0	5	0	0	0	0	0.88	7	
5/29 - 6/4	0	1	0	4	0	1	0	0	1.00	6	
6/4 - 6/11	0	6	0	6	0	0	0	0	1.71	12	
6/11 - 6/18	Trapping Concluded; at resident's request										
6/18 - 6/27											
6/27 - 7/9											
7/9 - 7/20											
7/20 - 7/30											
7/30 - 8/9											
8/9 - 8/14											
8/14 - 8/20											
8/20 - 8/28											
8/28 - 9/4											
9/4 - 9/10											
9/10 - 9/17											
9/17 - 9/24											
9/24 - 10/1											
10/1 - 10/8											
10/8 - 10/15											
10/15 - 10/29											
10/29 - 11/5											

Average # mosquitos per trap / per night:

highest counts

lowest counts

2025 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	23	0	97	0	0	0	0	15.00	120	
5/29 - 6/4	0	15	0	53	0	3	0	1	12.00	72	
6/4 - 6/11	0	23	0	69	0	0	0	0	13.14	92	
6/11 - 6/18	0	159	0	172	0	0	0	0	47.29	331	
6/18 - 6/27	0	238	0	73	0		0		34.56	311	
6/27 - 7/9	N/A										Trap malfunction
7/9 - 7/20	0	125	0	22	0	0	0	0	13.36	147	
7/20 - 7/30	0	4	0	4	0	0	0	2	1.11	10	
7/30 - 8/9	0	151	0	14	0	0	0	0	15.00	165	
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	433	0	99	0	0	0	0	88.67	532	
8/20 - 8/28	0	131	0	109	0	3	0	4	30.88	247	
8/28 - 9/4	0	29	0	12	0	0	0	0	5.86	41	
9/4 - 9/10	0	21	0	16	0		0		6.17	37	
9/10 - 9/17	0	13	0	2	0	0	0	2	2.43	17	
9/17 - 9/24	0	0	0	0	0	0	0	0	0.00	0	
9/24 - 10/1	0	0	0	0	0	0	0	0	0.00	0	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	0	0	0	0	0	0	0	0.00	0	
10/15 - 10/29	0	0	0	2	0	0	0	0	0.14	2	
10/29 - 11/5	0	0	0	2	0	0	0	1	0.43	3	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2006 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	0	0	22	0	0	0	4	3.25	26	Trap was moved
5/29 - 6/4	0	4	0	20	0	0	0	3	4.50	27	
6/4 - 6/11	0	9	0	17	0	0	0	2	4.00	28	
6/11 - 6/18	0	11	0	29	0	0	0	2	6.00	42	Trap was moved
6/18 - 6/27	0	4	0	9	0	0	0	2	1.67	15	
6/27 - 7/9	0	0	0	3	0	0	0	3	0.50	6	Trap was moved
7/9 - 7/20	0	8	0	2	0	0	0	1	1.00	11	
7/20 - 7/30	0	4	0	4	0	0	0	2	1.11	10	
7/30 - 8/9	N/A										Trap malfunction; gas valve turned off
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	0	0	0	0	0	0	0	0.00	0	
8/20 - 8/28	0	1	0	0	0	0	0	0	0.13	1	
8/28 - 9/4	0	1	0	1	0	0	0	1	0.43	3	
9/4 - 9/10	0	4	0	4	0	0	0	0	1.33	8	
9/10 - 9/17	0	2	0	0	0	0	0	0	0.29	2	
9/17 - 9/24	0	0	0	0	0	0	0	0	0.00	0	
9/24 - 10/1	0	0	0	0	0	0	0	0	0.00	0	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	N/A										Nobody Was home
10/15 - 10/29	N/A										Nobody was home
10/29 - 11/5	0	0	0	0	0	0	0	0	0.00	0	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2001 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	11	0	16	0	0	0	0	3.38	27	
5/29 - 6/4	0	10	0	23	0	0	0	0	5.50	33	
6/4 - 6/11	0	12	0	24	0	0	0	0	5.14	36	
6/11 - 6/18	0	56	0	37	0	0	0	0	13.29	93	
6/18 - 6/27	0	82	0	34	0	0	0	0	12.89	116	
6/27 - 7/9	0	27	0	29	0	2	0	0	4.83	58	
7/9 - 7/20	0	49	0	9	0	0	0	0	5.27	58	
7/20 - 7/30	0	17	0	8	0	0	0	0	2.78	25	
7/30 - 8/9	0	35	0	6	0	0	0	0	3.73	41	
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	41	0	18	0	0	0	0	9.83	59	
8/20 - 8/28	0	16	0	10	0	0	0	0	3.25	26	
8/28 - 9/4	0	3	0	2	0	0	0	0	0.71	5	
9/4 - 9/10	0	50	0	6	0	0	0	0	9.33	56	
9/10 - 9/17	0	2	0	0	0	0	0	0	0.29	2	
9/17 - 9/24	0	0	0	1	0	0	0	0	0.14	1	
9/24 - 10/1	0	0	0	0	0	0	0	0	0.00	0	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	0	0	0	0	0	0	0	0.00	0	
10/15 - 10/29	0	0	0	0	0	0	0	0	0.00	0	
10/29 - 11/5	0	0	0	0	0	0	0	2	0.29	2	

Average # mosquitos per trap / per night:

highest counts

lowest counts

1991 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	3	3	17	0	1	0	0	3.00	24	
5/29 - 6/4	0	1	0	48	0	1	0	1	8.50	51	
6/4 - 6/11	0	1	0	48	0	1	0	1	8.50	51	
6/11 - 6/18	0	29	0	106	0	0	0	2	19.57	137	
6/18 - 6/27	0	77	0	87	0	0	0	0	18.22	164	
6/27 - 7/9	0	11	0	21	0	0	0	0	2.67	32	
7/9 - 7/20	0	31	0	5	0	0	0	0	3.27	36	
7/20 - 7/30	0	0	0	0	0	0	0	0	0.00	0	
7/30 - 8/9	0	21	0	2	0	0	0	0	2.09	23	
8/9 - 8/14	0	19	0	6	0	0	0	0	4.17	25	
8/14 - 8/20	Samples Compromised										
8/20 - 8/28	0	5	0	2	0	0	0	0	0.88	7	
8/28 - 9/4	0	4	0	2	0	0	0	0	0.86	6	
9/4 - 9/10	0	3	0	10	0	0	0	0	2.17	13	
9/10 - 9/17	N/A										Trap Malfunction
9/17 - 9/24	0	1	0	0	0	0	0	0	0.14	1	
9/24 - 10/1	0	0	0	0	0	0	0	0	0.00	0	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0		0	2	0	0	0	1	0.43	3	
10/15 - 10/29	0	1	0	0	0	0	0	0	0.07	1	
10/29 - 11/5	0	0	0	0	0	0	0	0	0.00	0	

Average # mosquitos per trap / per night:

highest counts

lowest counts

1971 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	0	0	5	0	0	0	0	0.63	5	
5/29 - 6/4	0	0	0	6	0	0	0	0	1.00	6	
6/4 - 6/11	1	0	0	4	0	1	0	0	0.86	6	
6/11 - 6/18	1	3	0	2	0	0	0	0	0.86	6	
6/18 - 6/27	0	5	0	7	0	0	0	0	1.33	12	
6/27 - 7/9	0	1	0	4	0	0	0	0	0.42	5	
7/9 - 7/20	0	7	0	0	0	0	0	0	0.64	7	
7/20 - 7/30	0	2	0	2	0	0	0	0	0.44	4	
7/30 - 8/9	0	17	0	5	0	0	0	0	2.00	22	
8/9 - 8/14	0	6	0	7	0	0	0	0	2.17	13	
8/14 - 8/20	Samples Compromised										
8/20 - 8/28	0	2	0	0	0	0	0	0	0.25	2	
8/28 - 9/4	0	2	0	3	0	0	0	0	0.71	5	
9/4 - 9/10	N/A										
9/10 - 9/17	0	4	0	0	0	0	1	0	0.71	5	Side Gate Locked
9/17 - 9/24	N/A										
9/24 - 10/1	0	0	0	0	0	0	0	0	0.00	0	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	0	0	0	0	0	0	0	0.00	0	
10/15 - 10/29	0	0	0	0	0	0	0	0	0.00	0	
10/29 - 11/5	N/A										

Average # mosquitos per trap / per night:

highest counts

lowest counts

1941 Swan

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	N/A										Trap was unplugged 5/26
5/29 - 6/4	N/A										Trap malfunction
6/4 - 6/11	0	0	0	3	0	0	0	0	0.43	3	
6/11 - 6/18	0	1	0	2	0	0	0	0	0.43	3	
6/18 - 6/27	0	9	0	14	0	0	0	0	2.56	23	
6/27 - 7/9	0	2	0	3	0	0	0	0	0.42	5	
7/9 - 7/20	0	6	0	0	0	0	0	0	0.55	6	
7/20 - 7/30	0	1	0	1	0	0	0	0	0.22	2	
7/30 - 8/9	0	10	0	4	0	0	0	0	1.27	14	
8/9 - 8/14	0	20	0	7	0	0	0	0	4.50	27	
8/14 - 8/20	Samples Compromised										
8/20 - 8/28	0	14	0	6	0	0	0	0	2.50	20	
8/28 - 9/4	0	2	0	0	0	0	0	0	0.29	2	
9/4 - 9/10	0	4	0	3	0	0	0	0	1.17	7	
9/10 - 9/17	0	1	0	1	0	0	0	0	0.29	2	
9/17 - 9/24	0	0	0	3	0	0	0	0	0.43	3	
9/24 - 10/1	0	3	0	1	0	0	0	2	0.75	6	
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	1	0	0	0	0	0	1	0.29	2	
10/15 - 10/29	N/A										Trap Malfunction
10/29 - 11/5	0	0	0	0	0	0	0	0	0.00	0	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2737 Albatross

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	0	0	3	0	0	0	0	3	0.75	6
5/29 - 6/4	0	0	0	3	0	0	0	0	0	0.50	3
6/4 - 6/11	0	0	0	4	0	2	0	0	1	1.00	7
6/11 - 6/18	0	4	0	18	0	0	0	0	3	3.57	25
6/18 - 6/27	0	8	0	14	0	0	0	0	3	2.78	25
6/27 - 7/9	0	4	0	8	0	0	0	0	0	1.00	12
7/9 - 7/20	0	8	0	4	0	0	0	0	2	1.27	14
7/20 - 7/30	0	4	0	1	0	0	0	0	1	0.67	6
7/30 - 8/9	0	15	0	3	0	0	0	0	1	1.73	19
8/9 - 8/14	Samples Compromised										
8/14 - 8/20	0	11	0	3	0	0	0	0	0	2.33	14
8/20 - 8/28	N/A										Trap Malfunction
8/28 - 9/4	0	1	0	3	0	0	0	0	0	0.57	4
9/4 - 9/10	0	2	0	1	0	0	0	0	2	0.83	5
9/10 - 9/17	0	1	0	0	0	0	0	0	0	0.14	1
9/17 - 9/24	0	2	0	6	0	0	0	0	0	1.14	8
9/24 - 10/1	0	0	0	0	0	0	0	0	0	0.00	0
10/1 - 10/8	0	0	0	0	0	0	0	0	0	0.00	0
10/8 - 10/15	0	0	0	0	0	0	0	0	0	0.00	0
10/15 - 10/29	0	0	0	0	0	0	0	0	1	0.07	1
10/29 - 11/5	0	0	0	0	0	0	0	0	0	0.00	0

Average # mosquitos per trap / per night:

highest counts

lowest counts

2749 Sandpiper

Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	0	2	0	18	0	2	0	0	2.75	22	
5/29 - 6/4	0	3	0	21	0	1	0	4	4.83	29	
6/4 - 6/11	N/A										Trap malfunction
6/11 - 6/18	0	35	1	60	0	5	0	9	15.71	110	
6/18 - 6/27	N/A										Trap malfunction
6/27 - 7/9	0	2	0	13	0	0	0	2	1.42	17	
7/9 - 7/20	0	23	0	4	0	0	0	0	2.45	27	
7/20 - 7/30	0	18	0	12	0	0	0	0	3.33	30	
7/30 - 8/9	0	29	0	9	0	0	0	0	3.45	38	
8/9 - 8/14	0.0	9.0	0.0	11.0	0.0	0.0	0.0	0.0	3.33	20	
8/14 - 8/20	Samples Compromised										
8/20 - 8/28	0	8	0	4	0	0	0	0	1.50	12.00	
8/28 - 9/4	N/A										Trap Malfunction
9/4 - 9/10	N/A										Trap malfunction
9/10 - 9/17	0	1	0	1	0	0	0	3	0.71	5	
9/17 - 9/24	N/A										Trap Malfunction
9/24 - 10/1	N/A										Trap was unplugged
10/1 - 10/8	0	0	0	0	0	0	0	0	0.00	0	
10/8 - 10/15	0	0	2	0	0	0	0	0	0.25	2	
10/15 - 10/29	0	0	0	0	0	0	0	3	0.21	3	
10/29 - 11/5	0	0	0	0	0	0	0	4	0.57	4	

Average # mosquitos per trap / per night:

highest counts

lowest counts

2068 Mandarin											
Date	Cx. Erythrothorax		Ae. Hermsi		Cs. Incidens		Other		Abundance PTN	Total	Staff Comments
	M	F	M	F	M	F	M	F	# of mosquitos/trap nights		
5/21 - 5/29	N/A										Trap malfunction
5/29 - 6/4	0	1	0	3	0	0	0	0	0.67	4	
6/4 - 6/11	0	0	1	4	0	0	0	0	0.71	5	
6/11 - 6/18	0	16	0	16	0	0	0	0	4.57	32	
6/18 - 6/27	0	7	0	12	0	0	0	0	2.11	19	Trap removed; resident's request
6/27 - 7/9	Trapping concluded; at resident's request										
7/9 - 7/20											
7/20 - 7/30											
7/30 - 8/9											
8/9 - 8/14											
8/14 - 8/20											
8/20 - 8/28											
8/28 - 9/4											
9/4 - 9/10											
9/10 - 9/17											
9/17 - 9/24											
9/24 - 10/1											
10/1 - 10/8											
10/8 - 10/15											
10/15 - 10/29											
10/29 - 11/5											

Average # mosquitos per trap / per night:

highest counts

lowest counts