



Albany Mosquito Surveillance 2007 Highlight/Summary

Albany mosquito control during 2007 was only highlighted by two main events:

- Contra Costa County MVCD was able to find a utility vault that was breeding large quantities of *Cx. pipiens*. We were picking up some of these at our Brighton location, and the numbers declined after they abated the situation.
- Golden Gate Fields provided a unique learning experience: Their water treatment system went into disuse during their summer-long renovation, and this lack of use provided ripe *Culex pipiens* breeding grounds, mainly in their pump station locations. Once the mosquitoes were detected in our EVS traps, and the pump stations and catch basins were treated, (with the help of Erika of ACMAD) the numbers declined rapidly.

We evaluated the water treatment system a couple of years ago, and it was found to be an unlikely source of mosquito breeding sites while in operation. This was not the case when it was not in use, and the water just sat. One noteworthy fact was that the *Cx. pipiens* mosquitoes were not detected in any numbers in our EVS trap, 500 meters to the east, in UC Village.

Mosquito Abundance:

By Location:

Location	S#	April	May	June	July	August	September	October
Filmore	1	1		3	3	4	1	
Brighton	2	25	15	20		3	13	13
UC Village	3		1		1	24	4	8
Santa Fe	4		1	3		7	1	
Adams	5	3	5	4	4	9	6	7
Evelyn	6		2	1	1	4	3	
Key Route	7					4	1	
Ventura	8	1	2	1		2	1	
Posen	9				6	4	13	
GG Fields	10	1		9	5	492	711	64
Gateview	14		14	2	1	3	7	2

By Species:

Species	April	May	June	July	August	September	October
<i>Cu. incidens</i>			15	8	23	9	2
<i>Cu. inornata</i>	1						3
<i>Cu. particeps</i>	3	9	1				1
<i>Cx. tarsalis</i>			1	2	7	17	17
<i>Cx. pipiens</i>	27	21	20	11	538	735	70
<i>Ae. sierrensis</i>		11	5				

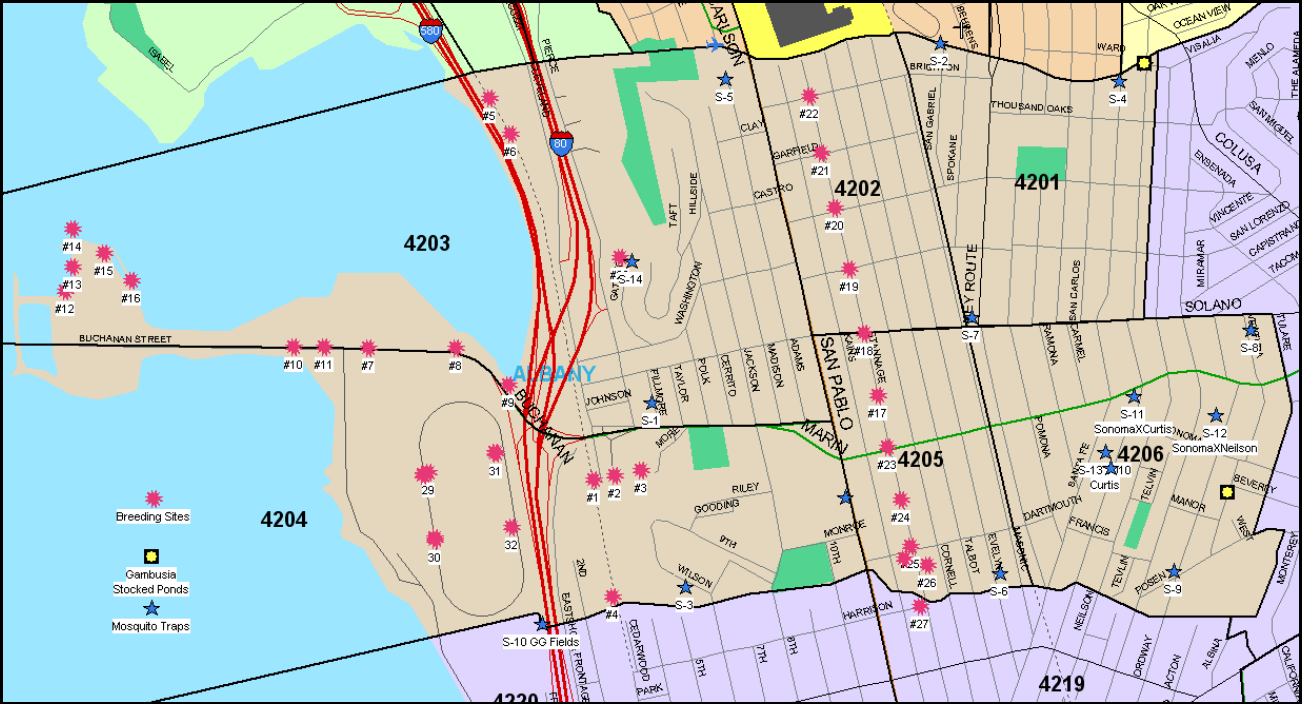
Mosquito Pools Submitted to CVDSS:

Pool Number	Date	Site	Species	Results
1	8/14/2007	10	<i>Cx. pipiens</i>	Negative
2	8/28/2007	10	<i>Cx. pipiens</i>	Negative
3	8/28/2007	10	<i>Cx. pipiens</i>	Negative
4	8/28/2007	10	<i>Cx. pipiens</i>	Negative
5	8/28/2007	10	<i>Cx. pipiens</i>	Negative
6	8/28/2007	10	<i>Cx. pipiens</i>	Negative
7	8/28/2007	10	<i>Cx. pipiens</i>	Negative
8	8/29/2007	10	<i>Cx. pipiens</i>	Negative
9	8/29/2007	10	<i>Cx. pipiens</i>	Negative
10	9/12/2007	10	<i>Cx. pipiens</i>	Negative
11	9/12/2007	10	<i>Cx. pipiens</i>	Negative
12	9/25/2007	10	<i>Cx. pipiens</i>	Negative
13	9/25/2007	10	<i>Cx. pipiens</i>	Negative
14	9/25/2007	10	<i>Cx. pipiens</i>	Negative
15	9/25/2007	10	<i>Cx. pipiens</i>	Negative
16	9/25/2007	10	<i>Cx. pipiens</i>	Negative
17	9/25/2007	10	<i>Cx. pipiens</i>	Negative
18	9/25/2007	10	<i>Cx. pipiens</i>	Negative
19	9/25/2007	10	<i>Cx. pipiens</i>	Negative
20	9/25/2007	10	<i>Cx. pipiens</i>	Negative
21	10/24/2007	10	<i>Cx. pipiens</i>	Negative

Larval Control:

Our standard proactive approach to larval control was diligently followed during the 2007 mosquito-breeding season. Early visits to our documented (historically) breeding sites, and utilizing physical (environmental modification) control, or if warranted, biorational larvacide is used to prevent emergence of adult mosquitoes--as standard practice.

Map of Albany mosquito breeding sites, and registered EVS locations:



EVS Trap
Encephalitis Virus Surveillance
mosquito trap
carbon dioxide (CO₂)-baited
using dry ice



Field Application