



Mosquito Surveillance and Control Program Monthly Update

The regional area experienced higher precipitation and average temperatures when compared to the historical averages during July of 2014. Consequently, many of the larval sites were found to be wet during the site visits. During the month of July, OtterTail performed 4,516 site visits and found mosquito larvae during 1,222 of these visits. Changing climate conditions can cause sites to change significantly, so sites will continue to be inspected on a routine basis until the end of the mosquito season. If mosquito larvae or pupae are found during a site inspection, OtterTail applies materials to control them.

Adult mosquito surveillance continued on a weekly basis throughout the month of July. *Culex* species mosquitoes, those that are most likely to carry West Nile Virus (WNV), made up approximately 25 percent of all the mosquitoes captured in July.

OtterTail would like to remind residents that WNV has been active in the Front Range region this summer, and this is the time of year when WNV transmissions can quickly increase and are often found at their peak levels. Therefore, we urge residents to take precautions to protect themselves by following the Four D's:

- use Deet-enhanced insect repellent;
- Dress in long sleeves and pants;
- avoid the outdoors from Dusk to Dawn; and
- Drain standing water outside your home.

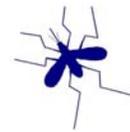
OtterTail continues to operate a telephone hotline for residents to report additional potential breeding areas or to be added to OtterTail's adult spraying notification list. The telephone number for the hotline is 303-273-2878.

Larval Surveillance and Control Results

Total Number of Site Investigations:	4,516	Pounds of <i>Bti</i> Used:	3,438
Total Number of Sites Wet:	3,783	Pounds of <i>B.sp.</i> Used:	104
Percentage of Sites Wet:	84%	Ounces of Agnique Used:	29
Total Number of Site Treatments:	1,222	Ounces of BVA2 Oil Used:	5,043
Percentage of Sites Treated:	32%		
Total Number of Acres Treated:	530		

Telephone Hotline Summary

Total Number of Hotline Calls:	60
Notify/Shutoff Calls:	8
Potential Habitat Calls:	7
Adult Complaint Calls:	32
General Information/Other Calls:	13



Boulder County
Mosquito Control District

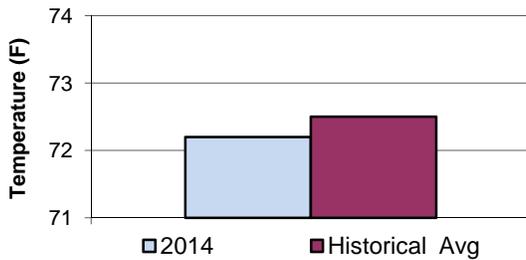
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Regional Climate Summary*

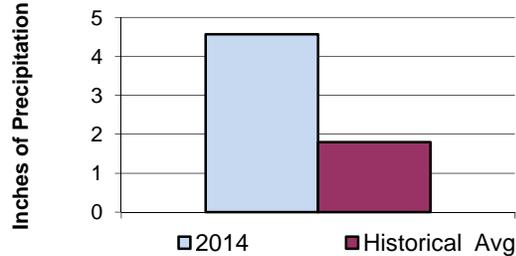
Mean Avg Temp for July 2014 (°F): 72.2
Historical Mean Avg Temp for July (°F): 72.5

Total Precip for July 2014 (inches): 4.57
Historical Avg Precip for July (inches): 1.80

Mean Avg Temperature Comparison for July



Total Precipitation Comparison for July



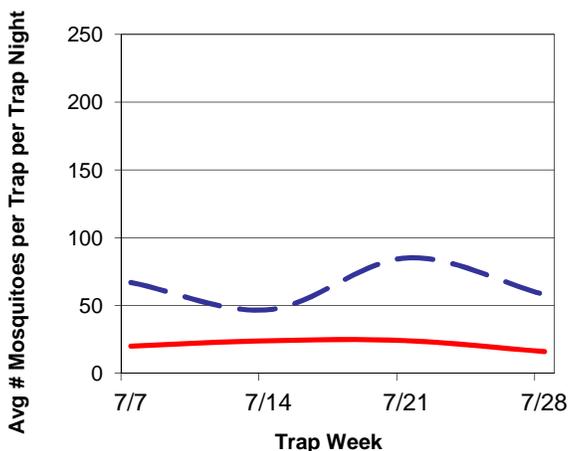
* Climate data based on National Oceanic & Atmospheric Administration's City of Boulder, CO data

Adult Mosquito Surveillance Results

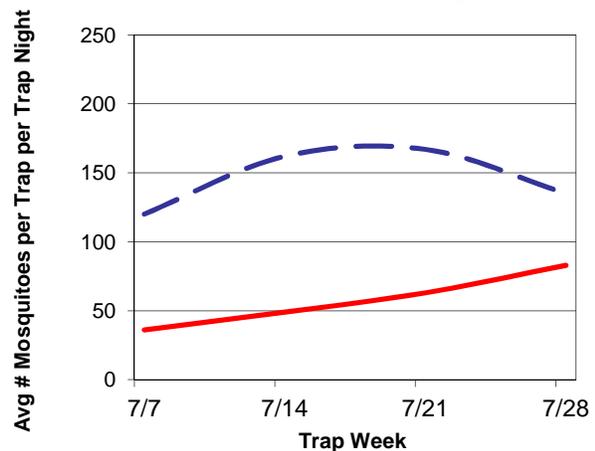
Trap Night Week	Culex Mosquitoes*		Non-Culex Mosquitoes*		Total Mosquitoes*	
	2014	Historic Avg**	2014	Historic Avg**	2014	Historic Avg**
7/7	20	36	67	120	87	156
7/14	24	49	47	162	71	211
7/21	24	63	85	167	109	230
7/28	16	83	58	135	74	218

* Average per trap per trap night
** Based on 2003-2014 BCMCD Data

2014

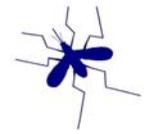


Historic Average**



— Culex Mosquitoes - - Non-Culex Mosquitoes — Culex Mosquitoes - - Non-Culex Mosquitoes

- Monthly report results are based upon preliminary data and may be subject to change after final seasonal compilation.



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Adult Mosquito Control Summary

Truck Mounted ULV

Area	Material	Start Time	End Time	Route Miles ¹	Spray Miles ²
Park Lake	Aqualuer 20-20	7/2/2014 20:33	7/2/2014 20:54	2.8	1.9
Willow Glen and Fox Run	Aqualuer 20-20	7/2/2014 20:59	7/2/2014 21:11	1.8	1.3
Marshall Rd/Mesa Valley/Wildflower	Aqualuer 20-20	7/2/2014 21:30	7/2/2014 21:55	5.7	2.2
Divide Reservoir	Aqualuer 20-20	7/9/2014 20:39	7/9/2014 21:02	3.8	2.3
Hygiene Heights	Aqualuer 20-20	7/9/2014 21:17	7/9/2014 21:45	3.6	2
Boulder Hills	Aqualuer 20-20	7/9/2014 21:57	7/9/2014 22:25	6.5	3.4
Valmont and 75th	Aqualuer 20-20	7/9/2014 22:45	7/9/2014 23:05	3.7	2.4
Boulder Hills	Aqualuer 20-20	7/16/2014 20:33	7/16/2014 21:03	5.9	3.1
Brigadoon Glen/Rangeview/Oriole	Aqualuer 20-20	7/16/2014 21:15	7/16/2014 22:06	11.9	5.4
Divide Reservoir	Aqualuer 20-20	7/23/2014 20:59	7/23/2014 21:41	5.1	2.9
Hygiene Heights	Aqualuer 20-20	7/23/2014 21:58	7/23/2014 22:24	3.5	2.1
Fairgrounds	Aqualuer 20-20	7/23/2014 22:41	7/23/2014 23:10	3.9	2.4
Hillcrest Heights	Aqualuer 20-20	7/23/2014 23:18	7/23/2014 23:48	4.6	2.6
Red Fox Hills	Aqualuer 20-20	7/24/2014 0:08	7/24/2014 0:21	1.9	1.2
Twin Lakes	Aqualuer 20-20	7/24/2014 0:28	7/24/2014 0:58	4.2	2.7
Willows	Aqualuer 20-20	7/24/2014 1:05	7/24/2014 1:23	3.5	1.2
Brownsville/Canfield	Aqualuer 20-20	7/24/2014 1:41	7/24/2014 2:27	7.6	4.7
Divide Reservoir	Aqualuer 20-20	7/31/2014 20:30	7/31/2014 21:04	3.1	1.5
Brigadoon Glen/Rangeview/Oriole	Aqualuer 20-20	7/31/2014 23:07	8/1/2014 0:05	12.2	5.4
Brownsville/Canfield	Aqualuer 20-20	8/1/2014 0:19	8/1/2014 0:52	7.5	4.6
Total:				102.8	55.3
Average:				5.1	2.8
Minimum:				1.8	1.2
Maximum:				12.2	5.4

Historical BCMCD Monthly Totals³

Average	235.8
Minimum	36.0
Maximum	412.3

1. Includes entire mileage of route, including both ULV spray-on and spray-off miles; should be used when comparing 2014 data to historical data

2. Only includes ULV spray-on mileage (excludes shutoffs,turnarounds,etc.)

3. Based on 2003-2013 BCMCD data