



Mosquito Surveillance and Control Program Monthly Update

The regional area experienced lower precipitation and higher temperatures than normal when compared to the historical averages during the month of June. Changing climate conditions can cause sites to change significantly, so sites will continue to be inspected at their routine frequency until the end of the mosquito season. If mosquito larvae or pupae are found during a site inspection, OtterTail applies appropriate materials to control them. During the month of June, OtterTail performed 2,838 site visits and treated for mosquitoes during 747 of these visits .

Adult mosquito surveillance began at 23 monitoring locations located throughout Boulder County during the first week of June and will continue on a weekly basis throughout the mosquito season. Overall, mosquito populations were less than average in Boulder County during the month of June. *Culex species* mosquitoes, those that are most likely to carry West Nile Virus, made up approximately 17 percent of all the mosquitoes captured in June.

OtterTail would like to remind residents that this is the time of year when WNV activity can quickly increase. 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 an automated Mosquito Control Hotline for District residents to report additional potential breeding areas or to be added to OtterTail's adult spraying notification and/or shutoff list. The telephone number for the hotline is 303-273-2878.

Larval Surveillance and Control Results

Total Number of Site Investigations:	2,838	Pounds of <i>Bti</i> Used:	892
Total Number of Sites Wet:	2,369	Pounds of <i>B.sp.</i> Used:	0.5
Percentage of Sites Wet:	83%	Gallons of BVA2 Oil Used:	111
Total Number of Site Treatments:	747		
Percentage of Sites Treated:	32%		
Total Number of Acres Treated:	165		

Telephone Hotline Summary

Total Number of Hotline Calls:	57
Notify/Shutoff Calls:	11
Potential Habitat Calls:	17
Adult Complaint Calls:	19
General Information/Other Calls:	10



Boulder County
Mosquito Control District

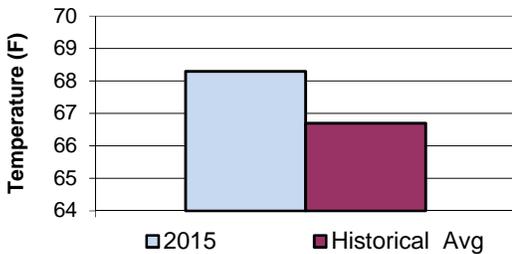
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Regional Climate Summary*

Mean Avg Temp for June 2015 (°F): 68.3
Historical Mean Avg Temp for June (°F): 66.7

Total Precip for June 2015 (inches): 1.76
Historical Avg Precip for June (inches): 1.86

Mean Avg Temperature Comparison for June



Total Precipitation Comparison for June



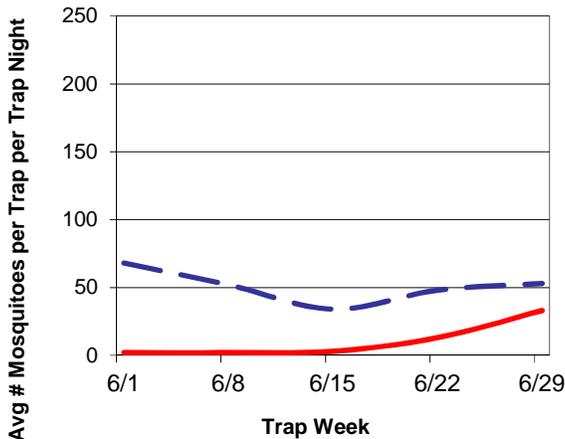
* Climate data based on National Oceanic & Atmospheric Administration's City of Boulder, CO data

Adult Mosquito Surveillance Results

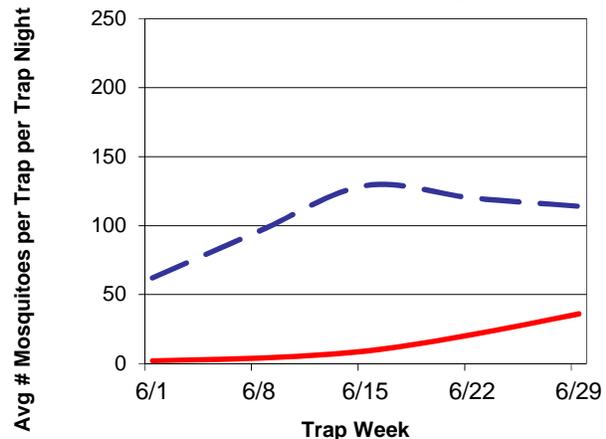
Trap Night Week	Culex Mosquitoes*		Non-Culex Mosquitoes*		Total Mosquitoes*	
	2015	Historic Avg**	2015	Historic Avg**	2015	Historic Avg**
6/1	2	2	68	62	70	64
6/8	2	4	52	96	54	100
6/15	3	9	34	129	37	138
6/22	13	21	48	120	61	141
6/29	33	36	53	114	86	150

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

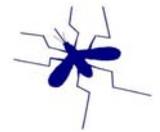
2015



Historic Average**



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



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Adult Mosquito Control Summary

Truck Mounted ULV

Area	Material	Start Time	End Time	Route Miles ¹	Spray Miles ²
Divide Reservoir	Aqualuer 20-20	6/3/2015 20:16	6/3/2015 20:29	2.3	1.4
Boulder Hills	Aqualuer 20-20	6/3/2015 20:55	6/3/2015 21:22	4.9	2.6
San Lazaro and Cline Trout Farm	Aqualuer 20-20	6/3/2015 21:40	6/3/2015 21:51	1.4	0.7
Divide Reservoir	Aqualuer 20-20	6/10/2015 20:16	6/10/2015 20:33	2.7	1.4
San Lazaro and Cline Trout Farm	Aqualuer 20-20	6/17/2015 20:30	6/17/2015 20:45	2.1	0.8
Divide Reservoir	Aqualuer 20-20	6/24/2015 20:30	6/24/2015 20:47	3.1	1.4
Valmont and 75th	Aqualuer 20-20	6/24/2015 21:19	6/24/2015 21:28	1.0	0.6
Valmont and 61st	Aqualuer 20-20	6/24/2015 21:33	6/24/2015 21:57	3.4	1.9
San Lazaro and Cline Trout Farm	Aqualuer 20-20	6/24/2015 21:59	6/24/2015 22:13	1.8	1.1
Total:				22.7	11.9
Average:				2.5	1.3
Minimum:				1	0.6
Maximum:				4.9	2.6

Historical BCMCD Monthly Totals³

Average	83.5
Minimum	7.4
Maximum	153.0

1. Includes entire mileage of route, including both ULV spray-on and spray-off miles; should be used when comparing 2015 data to historical data

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

3. Based on 2003-2014 BCMCD data