



BOULDER COUNTY COOPERATIVE MOSQUITO CONTROL PROGRAM

MONTHLY REPORT: JULY 31, 2008

COLORADO MOSQUITO CONTROL, INC.

Contact CMC:

Boulder County
MCD &
Municipalities
Marshall Lipps, MPH
Operations
Manager
303-558-8730
Fax 303-558-8734
E-Mail:
mlipps@comosquito
control.com

Website:

www.comosquitocontrol.com

Main Office:

General E-Mail:
info@comosquitocontrol.com
Toll Free:
(877) 276-4306

Michael McGinnis,
President
695 North 7th Ave.
Brighton, CO 80601
303-558-8730
Fax 303-558-8734
E-Mail:
mmcginnis@comosquitocontrol.com

West Nile Virus-Colorado

In comparison to 2007, West Nile Virus (WNV) activity continues to be low in Colorado in 2008. As of July 30th, CDPHE reports the current number of cases at 7. Boulder County has reported the most cases at 3, followed by Larimer (2), Logan and Jefferson (1). All cases have been reported as West Nile Fever with no neuroinvasive cases identified at this point. Virus activity in mosquitoes has also been low with only five positive pools identified from four counties: Morgan (2), Larimer (1), Prowers (1) and Weld (1). This compares with 234 positive pools at this point last year. No avian or equine cases have been noted thus far in 2008.

Despite the low number of positive mosquito pools, the presence of human cases must remind all that the risk of contracting WNV still exists. Nearly 85% of transmission occurs from July 1st through August 15th so now is the time to be most diligent in using personal protective measures and promoting those ideas to the public.

Human West Nile Virus Infections: Colorado, 2008
Updated July 30, 2008

County of Residence	New cases	Clinical diagnosis			Total cases	Total deaths
		Fever	Meningitis	Encephalitis		
Boulder	3	.	.	3	.	
Jefferson	1	.	.	1	.	
Larimer	2	.	.	2	.	
Logan	1	.	.	1	.	
COLORADO	7	7	.	7	.	

Counties not listed have no verified human cases of WNV

Larval and Adult Control Operations

Record heat keeps mosquito activity steady

Hot, dry weather has been the story for July. The Front Range ends July in the midst of a record streak of 90+ degree days with only 0.24 inches of precipitation, nearly 2 inches below the monthly average. These weather conditions can bring both positive and negative effects to local mosquito populations. Hot, dry weather will cause many sites to dry up completely or dry down below emergent vegetation leaving unsuitable habitat for mosquito production. On the other hand, however, species of the genus *Culex* can actually thrive in areas which do not dry up, but become stagnated as high heat increases water temperatures. These conditions prove favorable to rapid development increasing the life cycle time to as little as 4-5 days in some cases.

Additionally, despite the lack of precipitation, abundant water supplies exist through irrigation. With the rapid snowmelt in the high country watersheds, many areas enjoyed a 'free water' system through a good portion of July. This unrestricted irrigation allotment allows for many ponds to be filled that would normally be drying up at this time and formation of tailwater sites well suited for nuisance mosquito production. Subsequently mosquito populations steadily increased through the month despite the hard work of field technicians performing larval control and adulticide applications were necessary for many areas.

Please see the attached data summaries and your Dashboard for more information.

Wear your repellent, it only takes one mosquito bite to get West Nile!



Colorado Mosquito Control, Inc.

Larvicide Data Summary

by REPORT DATE: 7/1/2008 to 7/31/2008

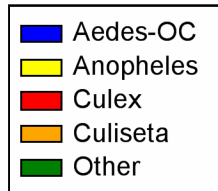
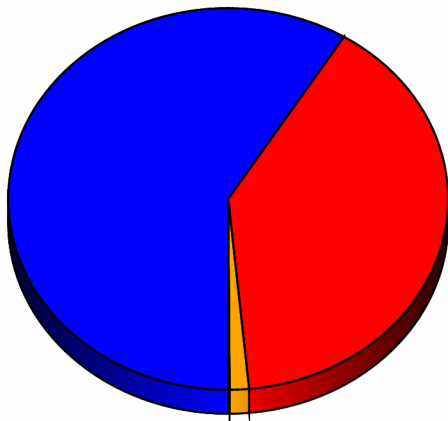
by COUNTY: Boulder

	Total Site Inspections	No. Wet Sites	Percentage Wet Sites	No Sites Treated	Percentage Breeding*	Total Acres Treated
Boulder County-MCD	1935	1429	74 %	528	37 %	378.8
Boulder County Recycle	6	6	100 %	5	83 %	4.2
Lafayette, City of	169	128	76 %	61	48 %	25.3
Longmont, City of	1007	663	66 %	175	26 %	54.7
Louisville, City of	211	134	64 %	61	46 %	21.0
Superior, Town of	194	112	58 %	36	32 %	22.1
Valmont Power Plant	11	5	45 %	1	20 %	0.0

* (Sites Treated/Wet Sites)



Species	Total
Aedes (Oc.) dorsalis	1,085
Aedes (Oc.) hendersoni	9
Aedes (Oc.) inorepitus	353
Aedes (Oc.) melanimon	2,032
Aedes (Oc.) nigromaculis	30
Aedes (Oc.) trivittatus	2,241
Aedes cinereus	9
Aedes vexans	17,733
AEOC	23,492
Culiseta incidens	3
Culiseta inornata	562
CS	565
Culex pipiens	228
Culex salinarius	174
Culex tarsalis	15,429
CX	15,831
Coquillettidia perturbans	41
OTHER	41
TOTAL	39,929



TOTAL	%
23,492	59 %
0	0 %
15,831	40 %
565	1 %
41	0 %



Customer	Subdiv/Area	Material	Start Time	End Time	Miles
Boulder County-MCD					
	2				
07/23/2008	BOULDER HILLS		23:22:00	23:47:00	5.2
		2		Sum	5.2
				Avg	5.2
				Min	5.2
				Max	5.2
Backpack Barrier					
07/09/2008	ORANGE ORCHARD	Talstar One	14:45:00	15:30:00	1.0
07/23/2008	FAIRGROUNDS	Talstar One	12:30:00	13:15:00	1.0
07/23/2008	LEFTHAND CREEK	Talstar One	11:30:00	12:10:00	0.7
07/31/2008	LAKE VALLEY	Talstar One	13:25:00	13:45:00	0.5
		Backpack Barrier		Sum	3.2
				Avg	0.8
				Min	0.5
				Max	1.0
Truck ULV					
07/02/2008	N 75TH ST	AquaLuer ULV	20:55:00	21:40:00	6.0
07/02/2008	BRIGADOON GLEN	AquaLuer ULV	21:02:00	21:30:00	0.0
07/02/2008	N 81ST ST	AquaLuer ULV	21:05:00	21:28:00	3.0
07/02/2008	GUNBARREL GREEN	AquaLuer ULV	21:44:00	22:43:00	18.0
07/02/2008	THE WILLOWS	AquaLuer ULV	23:41:00	23:58:00	3.0
07/02/2008	79TH PLATEAU	AquaLuer ULV	21:44:00	22:08:00	5.0
07/02/2008	ORANGE ORCHARD	AquaLuer ULV	21:40:00	22:16:00	6.0
07/02/2008	RED FOX HILLS	AquaLuer ULV	22:56:00	23:30:00	7.0
07/02/2008	PARK LAKE AREA	AquaLuer ULV	22:42:00	23:21:00	7.0
07/03/2008	BRIGADOON GLEN	AquaLuer ULV	20:44:00	21:58:00	19.0
07/09/2008	BRIGADOON GLEN	AquaLuer ULV	23:05:00	00:09:00	12.0
07/09/2008	OXFORD AND OURAY	AquaLuer ULV	22:41:00	22:51:00	2.2
07/09/2008	VALHALLA	AquaLuer ULV	21:15:00	21:50:00	4.0
07/09/2008	LAKE VALLEY	AquaLuer ULV	22:15:00	23:00:00	10.0
07/09/2008	GUNBARREL GREEN	AquaLuer ULV	21:03:00	22:25:00	14.0
07/09/2008	RED FOX HILLS	AquaLuer ULV	22:34:00	22:55:00	2.0
07/09/2008	BURCH LAKE	AquaLuer ULV	21:32:00	22:02:00	5.4
07/09/2008	BOULDER HILLS	AquaLuer ULV	22:24:00	22:40:00	2.7
07/09/2008	WATERSTONE	AquaLuer ULV	20:54:00	21:10:00	2.0
07/09/2008	N 63RD ST	AquaLuer ULV	22:13:00	22:20:00	0.6
07/09/2008	N 75TH ST	AquaLuer ULV	20:25:00	21:01:00	5.0
07/09/2008	THE WILLOWS	AquaLuer ULV	23:05:00	23:20:00	7.0
07/16/2008	BOULDER HILLS	AquaLuer ULV	20:30:00	20:56:00	4.7
07/16/2008	RED FOX HILLS	AquaLuer ULV	22:23:00	22:38:00	1.6
07/16/2008	LAKE VALLEY ESTATES	AquaLuer ULV	20:42:00	21:24:00	10.0



Adulticide Data

Customer	Subdiv/Area	Material	Start Time	End Time	Miles
07/16/2008	JOHNSON FARM	AquaLuer ULV	21:12:00	21:40:00	6.2
07/16/2008	MARSHALL AREA	AquaLuer ULV	20:34:00	21:04:00	6.0
07/16/2008	DIVIDE RESERVOIR	AquaLuer ULV	23:59:00	00:20:00	2.7
07/16/2008	BRIGADOON GLEN	AquaLuer ULV	21:28:00	22:29:00	13.0
07/16/2008	MINERAL ROAD	AquaLuer ULV	20:12:00	20:19:00	2.0
07/16/2008	BASELINE HEIGHTS	AquaLuer ULV	21:17:00	22:05:00	8.3
07/16/2008	FAIRGROUNDS	AquaLuer ULV	22:01:00	22:13:00	2.1
07/23/2008	BURCH LAKE	AquaLuer ULV	21:02:00	21:18:00	2.8
07/23/2008	BRIGADOON GLEN	AquaLuer ULV	21:46:00	23:00:00	13.9
07/23/2008	HILLCREST HEIGHTS	AquaLuer ULV	23:25:00	23:51:00	5.0
07/23/2008	MARSHALL CHERRYVALE	AquaLuer ULV	20:04:00	20:39:00	8.3
07/23/2008	LAKE VALLEY	AquaLuer ULV	20:35:00	21:38:00	10.6
07/23/2008	GUNBARREL GREEN	AquaLuer ULV	21:55:00	23:09:00	13.4
07/23/2008	PAUL NOR FAIRVIEW	AquaLuer ULV	21:42:00	22:20:00	8.3
07/23/2008	LARK MEADOWS	AquaLuer ULV	22:33:00	22:49:00	3.4
07/23/2008	75TH VALMONT TO JAY	AquaLuer ULV	21:13:00	21:48:00	7.4
07/23/2008	SHANNON ESTATES	AquaLuer ULV	22:56:00	23:11:00	2.7
07/23/2008	BASELINE HEIGHTS	AquaLuer ULV	20:46:00	21:30:00	8.8
07/23/2008	RED FOX HILLS	AquaLuer ULV	23:30:00	23:48:00	2.0
07/23/2008	SCHLAGEL	AquaLuer ULV	22:16:00	22:27:00	1.6
07/23/2008	CRANE HOLLOW	AquaLuer ULV	21:28:00	21:51:00	3.2
07/23/2008	JOHNSON FARM	AquaLuer ULV	22:54:00	23:16:00	4.2
07/23/2008	ISABELLE ROAD	AquaLuer ULV	20:00:00	20:55:00	8.0
07/30/2008	CHANCE ACRES	AquaLuer ULV	23:24:00	00:00:00	7.0
07/30/2008	BASELINE HEIGHTS	AquaLuer ULV	20:41:00	21:54:00	15.3
07/30/2008	SAN LAZARO	AquaLuer ULV	22:06:00	22:17:00	0.7
07/30/2008	THE WILLOWS	AquaLuer ULV	22:32:00	22:45:00	2.0
07/30/2008	79TH TO 81ST STREET	AquaLuer ULV	22:52:00	00:26:00	22.5
07/30/2008	ANHAWA	AquaLuer ULV	23:06:00	23:45:00	8.2
07/30/2008	WILDVIEW ESTATES	AquaLuer ULV	22:38:00	22:59:00	4.9
07/30/2008	BRIGADOON GLEN	AquaLuer ULV	20:17:00	22:06:00	21.4
07/30/2008	BOULDER HILLS	AquaLuer ULV	00:00:00	00:00:00	0.0
07/30/2008	BURCH LAKE	AquaLuer ULV	20:43:00	21:00:00	5.9
07/30/2008	RUSTIC KNOLLS	AquaLuer ULV	22:09:00	22:25:00	3.0
07/30/2008	ORANGE ORCHARD	AquaLuer ULV	20:08:00	20:58:00	6.0
07/30/2008	VALHALLA	AquaLuer ULV	21:14:00	21:31:00	4.0
07/30/2008	WATERSTONE	AquaLuer ULV	21:45:00	21:58:00	2.0
07/30/2008	PARK LAKE AREA	AquaLuer ULV	19:54:00	20:30:00	7.9
07/31/2008	BOULDER HILLS	AquaLuer ULV	20:20:00	20:45:00	5.0
		Truck ULV		Sum	416.9
				Avg	6.5
				Min	0.0



Customer	Subdiv/Area	Material	Start Time	End Time	Miles	
				Max	22.5	
Truck ULV						
07/09/2008	FAIRGROUNDS	AquaLuer ULV	23:07:00	23:19:00	1.5	
07/23/2008	THE WILLOWS	AquaLuer ULV	23:55:00	12:09:00	0.7	
Truck ULV					Sum	2.2
					Avg	1.1
					Min	0.7
					Max	1.5
Lafayette, City of						
Backpack Barrier						
07/22/2008	WANEKA LAKE	Talstar One	12:50:00	13:30:00	1.0	
Backpack Barrier					Sum	1.0
					Avg	1.0
					Min	1.0
					Max	1.0
Truck ULV						
07/01/2008	BLUE HERON AREA	AquaLuer ULV	20:49:00	21:55:00	12.0	
07/01/2008	OLD TOWN NORTH	AquaLuer ULV	22:05:00	22:16:00	1.0	
07/15/2008	WANEKA LAKE PARK	AquaLuer ULV	22:11:00	22:28:00	2.0	
07/15/2008	BLUE HERON AREA	AquaLuer ULV	20:55:00	22:00:00	12.0	
07/15/2008	SOUTHPOINTE	AquaLuer ULV	22:48:00	23:12:00	6.0	
07/15/2008	OLD TOWN	AquaLuer ULV	23:20:00	23:44:00	4.0	
07/22/2008	OLD TOWN NORTH	AquaLuer ULV	21:26:00	21:37:00	2.3	
07/22/2008	BLUE HERON	AquaLuer ULV	20:02:00	21:12:00	12.2	
07/29/2008	BLUE HERON	AquaLuer ULV	20:20:00	21:33:00	12.9	
Truck ULV					Sum	64.4
					Avg	7.2
					Min	1.0
					Max	12.9
Longmont, City of						
Truck ULV						
07/02/2008	SANDSTONE RANCH	AquaLuer ULV	00:05:00	00:23:00	2.0	
07/02/2008	JIM HAMM POND	AquaLuer ULV	23:15:00	23:23:00	1.0	
07/09/2008	ROGERS GROVE PARK	AquaLuer ULV	23:19:00	23:27:00	1.2	
07/09/2008	JIM HAMM POND	AquaLuer ULV	23:44:00	23:51:00	0.8	
07/16/2008	SANDSTONE RANCH	AquaLuer ULV	23:23:00	23:40:00	3.2	
07/16/2008	JIM HAMM POND	AquaLuer ULV	23:16:00	23:20:00	0.9	
07/23/2008	SANDSTONE RANCH	AquaLuer ULV	00:32:00	00:46:00	2.5	
07/23/2008	JIM HAMM POND	AquaLuer ULV	00:18:00	00:24:00	0.8	
07/30/2008	JIM HAMM POND	AquaLuer ULV	00:30:00	00:39:00	1.7	
07/30/2008	THE SHORES AREA	AquaLuer ULV	21:19:00	22:59:00	19.0	
07/30/2008	ST VRAIN GREENWAY	AquaLuer ULV	23:21:00	23:35:00	2.5	



Colorado Mosquito Control, Inc.

Adulticide Data

Customer	Subdiv/Area	Material	Start Time	End Time	Miles
07/30/2008	SANDSTONE RANCH	AquaLuer ULV	00:03:00	00:21:00	2.8
		Truck ULV		Sum	38.4
				Avg	3.2
				Min	0.8
				Max	19.0
Grand Total					531.3



Colorado Mosquito Control, Inc.

Mosquito Line Call Summary

County	Customer Name		
Boulder			
	Boulder County-MCD	202	
	Erie, Town of	1	
	Lafayette, City of	25	
	Longmont, City of	54	
	Louisville, City of	3	
	Total Calls	285	