



CITY OF FORT COLLINS JULY 2020 MONTHLY REPORT

AUGUST 1ST, 2020

Contact VDCI:

**Northern
Colorado**

**Program
Manager**

Will Schlatmann

Phone

(970)278-9977

E-Mail:

**wschlatmann@
vdcI.net**

Website:

www.vdcI.net

Main Office:

**General E-Mail:
info@vdcI.net**

**Toll Free:
(877) 276-4306**

**7000 North
Broadway Suite
108 Denver, CO
80221
303-428-5908**

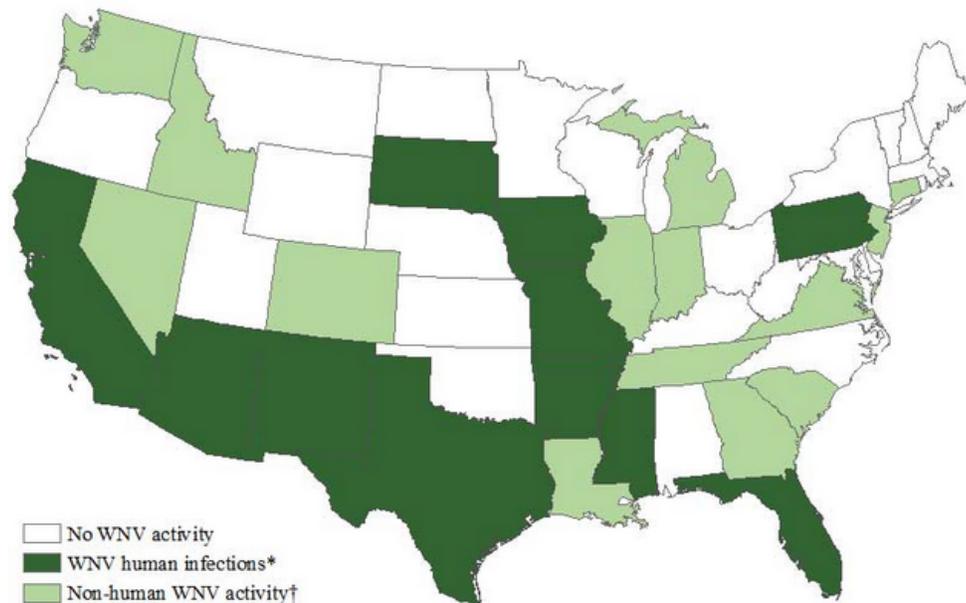
West Nile Virus Risk

Both the Colorado Department of Public Health & Environment (CDPHE) and Colorado State University began testing mosquito samples in Disease Week 24 (June 13th). As of August 1st there have been positive mosquitoes found in Delta and Larimer County.

The Centers for Disease Control and Prevention most currently reports human West Nile virus infections in eleven states. Non-human West Nile virus activity (mosquitoes, birds or sentinel animals) has been reported in nineteen states. While West Nile virus activity remains relatively low, but we are likely to see increased disease risk as the summer progresses and encourage personal protective measures including draining water from your property, avoiding the outdoors at dawn and dusk, defending yourself by wearing repellent and dressing appropriately.

West Nile Virus Activity by State 2020

West Nile Virus Activity by State – United States, 2020 (as of July 28, 2020)



Wear Your Repellent!

Use approved mosquito repellents containing DEET, picaridin or oil of lemon eucalyptus.

DEET products generally provide the longest protection. The other repellents work but must be applied more frequently.

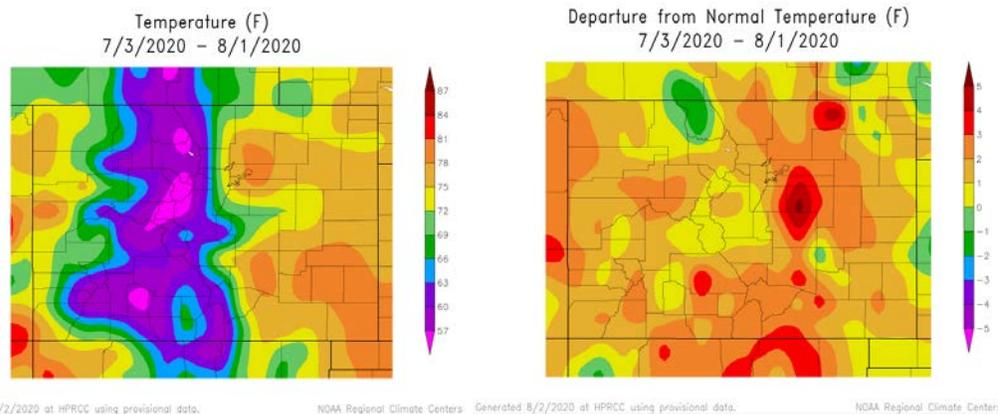
Follow the product label for correct use. Products with 10 percent or less DEET are recommended for children.

In July 2020 Colorado State University (CSU) tested a total of 486 mosquito samples containing 9,624 mosquitoes. These samples consisted of 5,576 *Cx. tarsalis* and 4,048 *Cx. Papiens* collected from the Fort Collins, Loveland and Berthoud areas. A total of 3 samples tested positive for West Nile Virus, with 2 samples from Fort Collins and 1 from Berthoud.

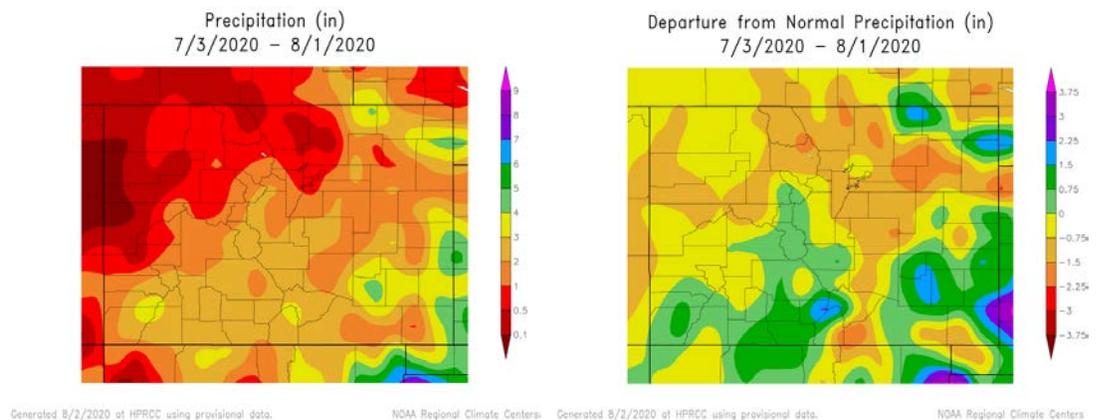
By comparison, In July 2019 Colorado State University (CSU) tested a total of 500 mosquito samples containing 14,155 mosquitoes. These samples consisted of 12,890 *Cx. tarsalis* and 1,265 *Cx. Papiens* collected from the Fort Collins, Loveland and Berthoud areas. A total of 6 samples tested positive for West Nile Virus, with 4 samples from Fort Collins and 2 from Loveland

Weather

The average temperature in Larimer County was 74.8 °F, with the average minimum temperature at 66.4 °F and the average max temperature at 81.2 °F during the month of July. A monthly high of 101 °F was seen on July 10th.



Precipitation in Larimer County during July 2020 was below average, as the season has progressed, more and more larval habitats have begun to dry out.



Larval Control Operations

In July of 2020, VDCI field technicians performed 2,138 site inspections as part of the inspection and larviciding program for the City of Fort Collins. Of those 2,138 site inspections, 1,485 (69.5%) of those were wet and 735 (49.5%) wet sites were producing mosquito larvae. A total of 443.4 acres of land were treated with 2870.66 lbs of vectobac (bti) and 1.48 gallons of BVA mineral oil to prevent larval mosquitoes from emerging as adults.

During July 2020, VDCI technicians performed site inspections at approximately 1,020 storm drains as part of the City of Fort Collins Urban larviciding program to control larval mosquito populations in storm drains and catch basins. Drains that were wet or had the potential to hold water were treated with long term larvicide products including Altosid pellets, briquettes, and VectoLex WSP (Bsph).

Mosquito Population Surveillance

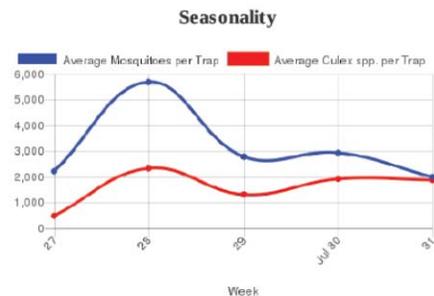
There were 223 traps set in Fort Collins during July 2020. A total of 15,629 mosquitoes were collected throughout the month. There were 7,280 (46.6%) *Aedes spp.*, 7,922 (50.7%) *Culex spp.* and 97 (0.6%) *Culiseta spp.* mosquitoes collected. On average there were 70.1 mosquitoes collected per night and 35.5 *Culex spp.* mosquitoes per trap night.

2020 Fort Collins Trap Composite Data

Total number of trap/nights set:	223
Total number of mosquitoes collected:	15,629.0
Average mosquitoes per trap/night:	70.1
Average Culex per trap/night:	35.5

Species collected and abundance:

<i>Aedes cinereus</i>	99.0	0.6%
<i>Aedes dorsalis</i>	187.0	1.2%
<i>Aedes hendersoni</i>	1.0	0.0%
<i>Aedes increpitus</i>	239.0	1.5%
<i>Aedes melanimon</i>	243.0	1.6%
<i>Aedes nigromaculis</i>	1.0	0.0%
<i>Aedes spp.</i>	5.0	0.0%
<i>Aedes trivittatus</i>	5.0	0.0%
<i>Aedes vexans</i>	6,500.0	41.6%
<i>Anopheles freeborni</i>	26.0	0.2%
<i>Coquillettidia perturbans</i>	304.0	1.9%
<i>Culex pipiens</i>	3,906.0	25.0%
<i>Culex tarsalis</i>	4,016.0	25.7%
<i>Culiseta incidens</i>	5.0	0.0%
<i>Culiseta inornata</i>	92.0	0.6%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	7,280	46.6%
<i>Anopheles</i>	26	0.2%
<i>Culex</i>	7,922	50.7%
<i>Culiseta</i>	97	0.6%
Other	304	1.9%



Adult Mosquito Control Operations

There have been no adult mosquito control operations performed by the City of Fort Collins to date.

VDCI has been privately contracted to perform adult mosquito control for Greenstone HOA, Willow Springs HOA, Ridgewood Hills HOA, and Lindenwood HOA during the 2020 season. A total of 19.3 road miles within these neighborhoods were sprayed via ground based vehicles with Ultra Low Volume (ULV) AquaKontrol mosquito adulticides to reduce adult mosquito populations on the dates listed below.

Date	Zone	Spray Miles	Spray Acres	Ounces Sprayed
7/8/2020	LHOA - Ridgewood Hills Spray Zone	6.61	240.34	237.52
7/8/2020	LHOA - Willow Springs Spray Zone	3.28	119.26	116.91
7/15/2020	LHOA - Lindenwood HOA Spray Zone	2.38	86.54	84.94
7/22/2020	LHOA - Willow Springs Spray Zone	3.78	137.44	135.98
7/28/2020	LHOA - Greenstone HOA Spray Zone	3.25	118.17	115.44
Totals		19.3	701.75	690.79

Public Relations

VDCI received 5 phone calls from City of Fort Collins residents in July 2020. VDCI received 2 calls from residents reporting new larval mosquito sites in their area. VDCI inspected all of the reported sites and added new areas if found producing mosquito larvae. VDCI received 2 mosquito annoyance calls from residents of the City of Fort Collins. VDCI received 1 call from residents requesting information about the City of Fort Collins mosquito control program and how decisions are made about adulticiding. VDCI provided the relevant information and directed them to our website for further information about the products used.