



2011 Annual Report Larimer County Cooperative Mosquito Control Program City of Fort Collins

October 2011

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On the Cover:

The Perfect Storm (or not)

On the northern Front Range the 2011 mosquito season will long be remembered as the year the monsoon rains came early, often and heavy. While monsoon rains generally come to Colorado in mid to late August; 2011 saw 10 straight days of monsoonal rains in mid-July, followed closely by numerous days in the high 90's, the perfect storm for high mosquito populations.

Other parts of Colorado saw dramatically different weather patterns. The mountain valleys experienced flooding from record snow-pack levels while Pueblo and the south had drought conditions. A year to be remembered for many reasons.

CITY OF FORT COLLINS MOSQUITO MANAGEMENT PROGRAM

ANNUAL REPORT FOR 2011

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City of Fort Collins Mosquito Management Program Objectives

The City of Fort Collins Mosquito Management Program completed its 8th year of cost effective biorational integrated mosquito management operations in 2011. The need to protect the residents of Fort Collins from the health risks, severe annoyance and discomfort associated with biting mosquitoes is a chronic annual problem.

The primary objective of the City of Fort Collins Mosquito Management Program is to employ trained field biologists to suppress the development of larval mosquitoes in the aquatic habitats. CMC prioritizes, at minimum 95% of resource allocation on larval control efforts. Surveillance monitoring of adult mosquito populations is performed to monitor both the vector abundance and West Nile infection levels in the City of Fort Collins. This goal enables a reduction in both the overall mosquito populations and the threat of mosquito borne disease transmission at the least possible cost, while minimizing the impact on the people and natural environment.

CMC maintains its commitment to offer environmentally sensitive and technologically advanced integrated mosquito management programs to its customers and community residents. CMC works diligently to maintain the cooperative efforts for mosquito control and epizootic response management between the City of Fort Collins, Larimer County Department of Health & Environment, and surrounding local municipalities. The value of this cooperative program and its underlying data sharing and communications in the interest of public health cannot be over-emphasized.

CMC Objectives

Colorado Mosquito Control (CMC) as the contractor for the City of Fort Collins will use proven scientific integrated pest management (IPM) methods of survey, inspection, diagnosis, biological/biochemical controls, and limited low-toxicity pesticide applications to professionally accomplish the program objectives. CMC employs trained field and surveillance technicians who understand constantly changing mosquito populations. This enables a quick response to variations in environmental factors. All of the methods and materials used have been reviewed and registered by the U.S. EPA, the Centers for Disease Control, the Colorado Department of Agriculture and the American Mosquito Control Association.

Colorado Mosquito Control is a large-scale contractor specializing in complete integrated mosquito control services. CMC utilizes an aggressive preemptive Integrated Pest Management (IPM) approach to control mosquito populations within contracted areas. CMC currently has programs across the state of Colorado, providing services for homeowners associations, incorporated cities and towns, Native American reservations, and encephalitis surveillance monitoring programs for county health departments. Geographically, CMC reaches from the Ute Mountain Reservation in the southwest corner of the state to Fort Morgan in northeastern Colorado. CMC values the opportunity to work closely with contracted communities to continue to offer high quality programs during tougher economic times.

2011 Climate Recap

The 2011 mosquito season can climatically best be summarized as warm and wet.

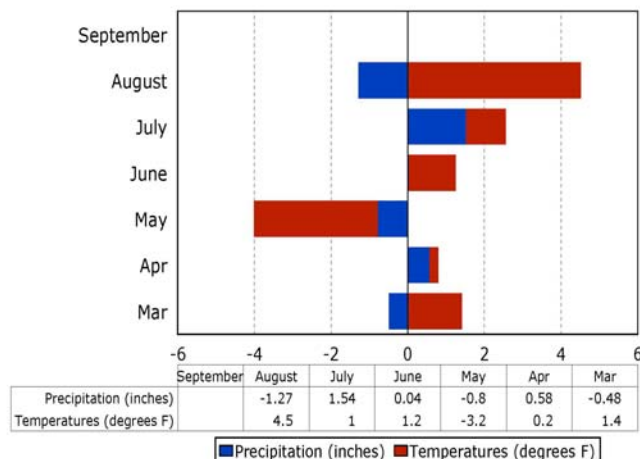
April ended warmer and drier than normal according to the National Climatic Data Center (NCDC), while May finished cooler and wetter. June's mean temperature of 68.2°F for the Denver area was only 0.6°F above normal (68.8°F). A total of 2.43 inches of precipitation fell during June in the Denver area which was 0.87 inches above average. In addition to above average rainfall, above average snowpack for many of the rivers across the Northern Front Range presented record runoff levels during June and into July.

July marked the third month in a row in which precipitation was above normal, with 3.41 inches of rain recorded in the Denver area. This was 1.25 inches above the average for this month. Most of that moisture fell in the first weeks of the month which, along with the heat that followed, resulted in an increase of both larval and adult mosquito activity. The average temperature for July was 73.4°F according to the NCDC, which was 2.5°F warmer than normal. July contained twenty days in which temperatures exceeded 90°F. Seventeen of those twenty days occurred during a consecutive period of July 15th - July 31st.

The combination of heavy rains during the first part of July followed by weeks of temperatures in the 90s resulted in a subsequent spike in flood water mosquitoes and customer concerns. Severe weather often impeded both larval and adult control operations as omnipresent standing water presented seemingly countless new potential breeding sites. Evening fogging applications were often also delayed or rescheduled due to high winds and heavy rain.

Temperatures in August broke records as it became the hottest August since 1872. There were twenty-two 90 plus degree days in August. By August 31st there were seventy-one consecutive days with high temperatures reaching or surpassing 80°F, which broke the record of fifty-nine days set in 2002. A total of 0.3 inches of rain fell during August in the Denver area, which was 1.27 inches below average (1.57"), according to the NCDC.

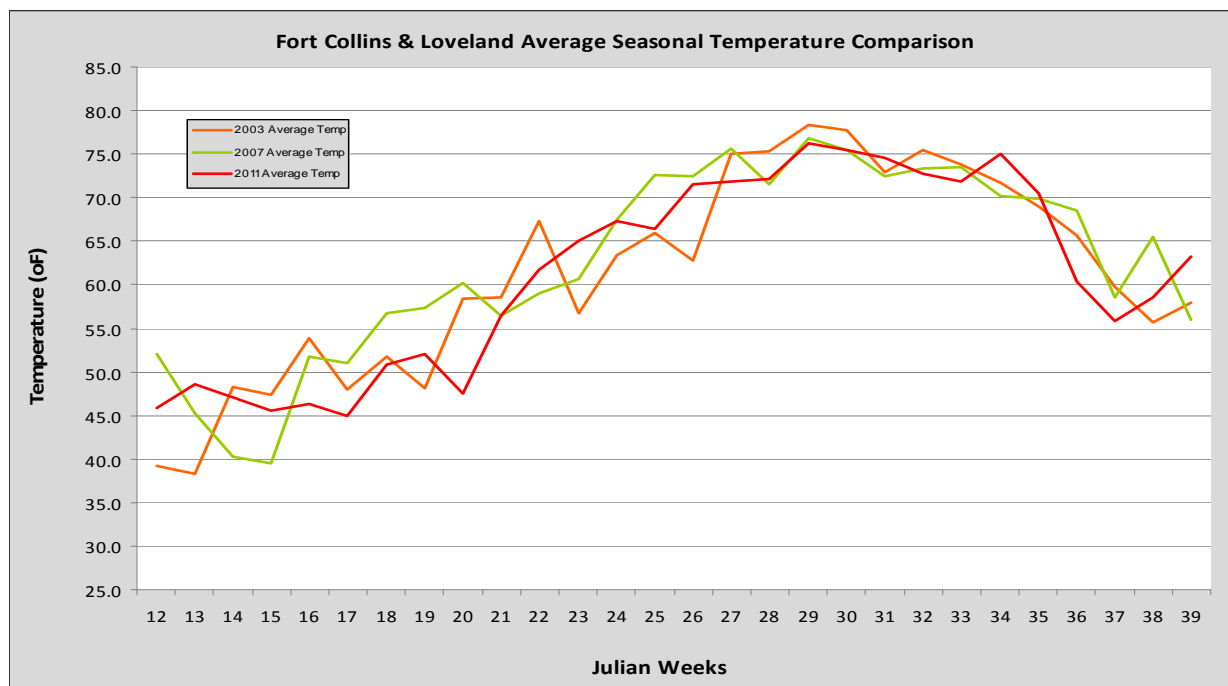
2011 Denver Area Climate Data
Departures From Normal



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Source: NWS www.crh.noaa.gov/den/

The heat wave and dry conditions in August caused water levels to recede at many larval sites. This greatly reduced the amount of mosquitoes collected in light traps, compared to July. This helped bring workloads back to normal levels, as compared to the fast paced operations required in July. Fortunately, the overall numbers of *Culex* mosquitoes remained below epidemic levels as a result of fluctuations in water levels for a majority of the 2011 season.



2011 Precipitation Comparison for Loveland/ Fort Collins				
Week	2011 Rainfall (inches)	2011 Running Total	Avg Rainfall of All Seasons (2003-2010)	Percentage of Average Rainfall
12	0.01	0.14	0.65	0.8%
13	0.13	0.27	0.19	69.2%
14	0.16	0.42	0.11	136.5%
15	1.08	1.50	0.25	432.5%
16	0.44	1.94	0.42	106.0%
17	0.44	2.37	0.49	88.8%
18	0.01	2.38	0.39	1.3%
19	1.69	4.06	0.32	530.1%
20	2.07	6.13	0.33	628.5%
21	0.28	6.40	0.16	173.4%
22	0.15	6.55	0.55	27.1%
23	1.28	7.83	0.84	151.6%
24	0.23	8.06	0.35	66.3%
25	0.23	8.29	0.59	38.9%
26	0.40	8.69	0.24	170.2%
27	0.75	9.44	0.18	418.3%
28	0.78	10.22	0.20	388.6%
29	0.07	10.29	0.07	101.0%
30	0.01	10.30	0.55	1.8%
31	0.15	10.45	0.49	30.7%
32	0.00	10.45	0.28	0.0%
33	0.06	10.51	0.54	11.2%
34	0.00	10.51	0.40	0.0%
35	0.04	10.55	0.64	6.3%
36	0.67	11.22	0.13	533.0%
37	1.30	12.52	0.32	403.5%
38	0.03	12.55	0.07	45.7%
39	0.00	12.55	0.35	0.0%

Data obtained from ncwcd.org

West Nile Virus 2011

Background

West Nile Virus was first identified in Uganda in 1937. Since that time, activity has been documented throughout Africa, Europe, West and Central Asia, and areas of the Middle East. The virus made its first appearance to North America in 1999 when it was documented in New York City. WNV comes from a family of viruses known as Flaviviridae and is closely related to other encephalitis-causing viruses that can have severe effects on both humans and animals, including Western Equine Encephalitis and St. Louis encephalitis in our region.

WNV has a wide range of symptoms which can range from mild flu-like symptoms to death. Of humans affected, nearly 80% will show no symptoms at all. The majority of people who do show symptoms will usually suffer from high fevers, muscle soreness, and overall fatigue. However, approximately 1% of people will develop much more severe symptoms including meningitis (inflammation of the linings surrounding the brain and spinal cord), encephalitis (inflammation of the brain), or very rarely poliomyelitis, which can cause paralysis in parts of the body.

Since the introduction of WNV to the United States in New York City in 1999, the virus has made a complete westward expansion to the West Coast. Starting in the Northeastern parts of the United States, the virus steadily spread through the South, the Midwest, the Rocky Mountain region, and more recently the Western States. Although many states have shown decreased case counts since epidemic years, the Colorado Front Range presents the ideal combination of abundant habitat and weather conditions during some years for *Culex tarsalis* mosquitoes to amplify West Nile Virus. Colorado first saw activity of the virus late in the summer of 2002. In 2003 Colorado was the hardest hit state in the country compiling 2,947 reported human cases and 63 deaths, many of which occurred along the Front Range. Reports since then have varied from year to year with no single year surpassing 2003's totals.

Colorado Perspective

Much of the water diverted from the mountain regions is used for flood irrigation of pastures, crops, and our own residential yards along the Northern Front Range. Fluctuation in water levels greater than one-half inch can result in floodwater mosquito larvae hatching in fields, cattail marshes, riparian areas and grasses. These sites typically do not drain quickly, dependent on levels of the ground water table, thereby causing multiple generations of *Culex* mosquito larvae to result as the water remains.

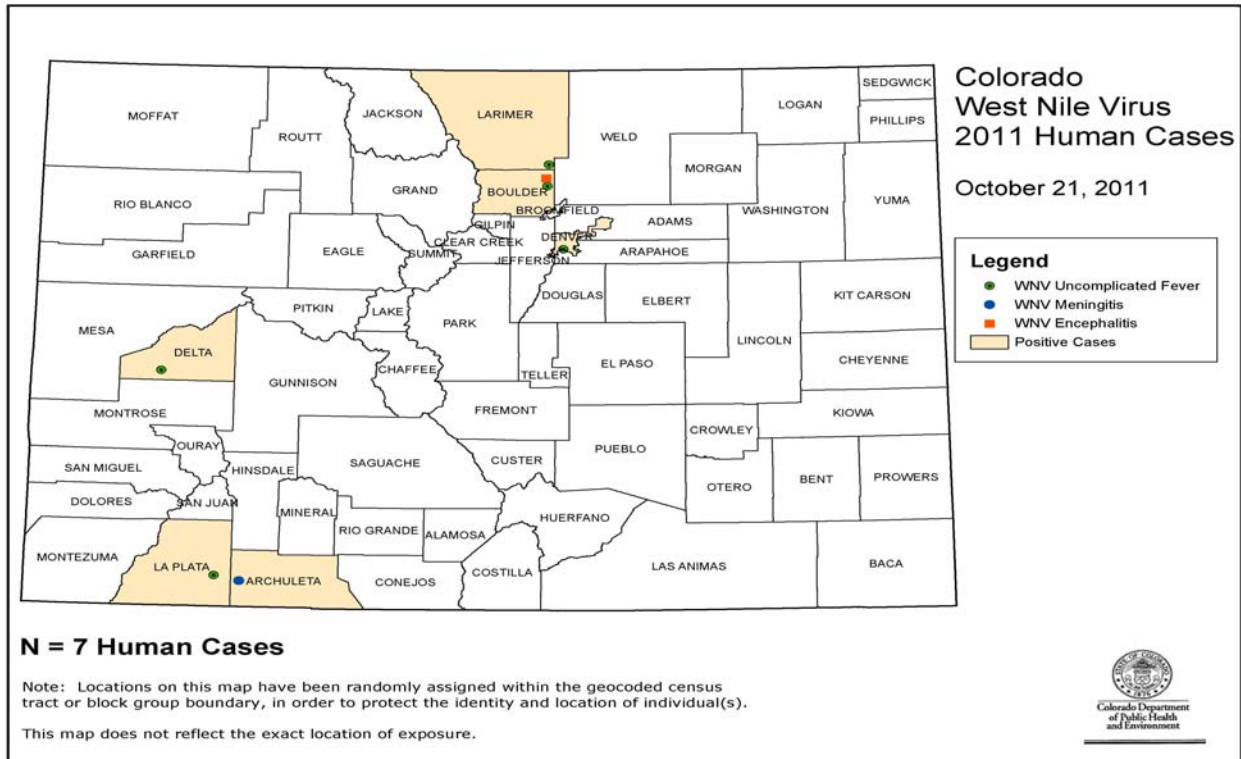
Larimer, Boulder and Weld counties have in multiple years reported the greatest number of human West Nile Virus infections in the state when compared to other counties. This trend is likely due to a combination of the topography for drainage, intermingled with the greatest proportion of the state's population residing along the Front Range. Exposure to *Culex tarsalis* mosquitoes along the Front Range increases

as residents enjoy summertime BBQ's and the numerous recreational activities our state has to offer. Given the amount of vector mosquitoes in our area and WNV risk, it becomes increasingly important that residents apply mosquito repellents each time they venture outdoors during the mosquito season.

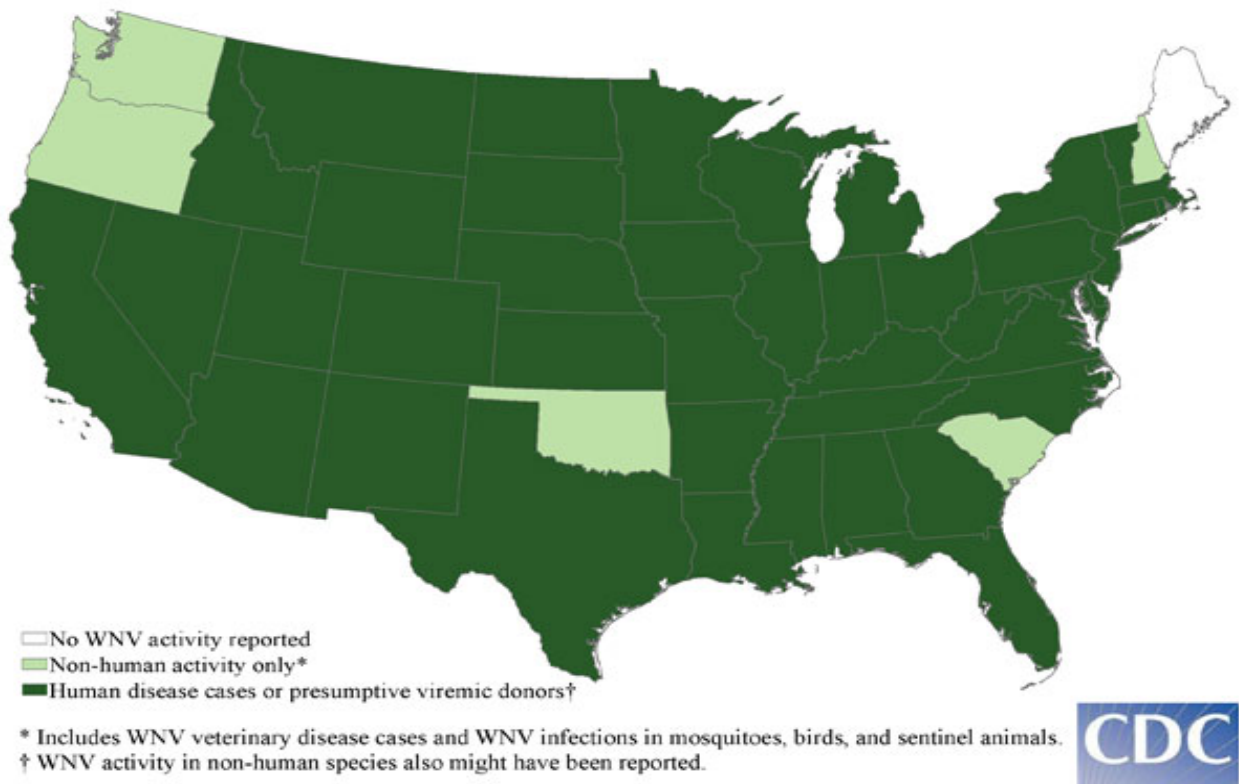
Colorado 2011

There have been seven documented cases of human WNV in Colorado. The first human infection was reported from Boulder County on July 19th, with transmission occurring around July 4th. The first WN positive mosquito sample was collected from Boulder County on July 19th. Positive mosquito pools were collected from Adams (3), Alamosa (3), Boulder (9), Delta (8), Jefferson (2), Larimer (5), Las Animas (1), Logan (1), Mesa (3), Montrose (1), Otero (8), Prowers (1), Pueblo (1), Rio Grande (3), and Weld (10) counties.

<i>Human West Nile Virus Infections: Colorado, 2011</i>					
<i>Updated October 21, 2011</i>					
	New cases	Clinical diagnosis			Total cases
		Fever	Meningitis	Encephalitis	Total deaths
County of Residence					
Archuleta	.	.	1	.	1
Boulder	.	1	.	1	2
Delta	.	1	.	.	1
Denver	.	1	.	.	1
La Plata	.	1	.	.	1
Larimer	.	1	.	.	1
COLORADO	.	5	1	1	7
<i>Counties not listed have no verified human cases of WNV</i>					



WEST NILE VIRUS (WNV) ACTIVITY REPORTED TO ARBONET, BY STATE, UNITED STATES, 2011 (AS OF OCTOBER 18, 2011)



Larval Control Operations

Years of research and practical experience have shown that the most effective way to control mosquito populations is through an aggressive Integrated Pest Management (IPM) approach. This approach aims at using a variety of concepts, tools, and products to reduce a pest population to a tolerable level. Translating these ideas to mosquito control, CMC has found the most environmentally and economically sound approach is through targeting the aquatic larval stage of the mosquito. Targeting this stage prevents the emergence of the adult mosquito and thus the inevitable result of disease and nuisance. Over 95% of Colorado Mosquito Control, Inc. (CMC) operational efforts are focused on larval control.



Field activities began in April in 2011. The earliest activity of the season was taking the GIS maps which were updated and revised during the off season and site ground-checking them. In addition, new site identification and mapping were the priority in areas that had not previously been included in larval control operations. Mapping larval sites is an ongoing process, and in every program citizen reports of new larval sites result in many new sites being added to the existing larval inspection routes.

Hiring of seasonal technicians began in March, and continued into May. CMC's Annual Field Technician Classroom Training Day took place on May 23rd with over 50 new and returning field technicians in attendance. Field training by CMC management and veteran employees lasted throughout May and by early June CMC was fully staffed with full daytime and evening shift crews fully trained.

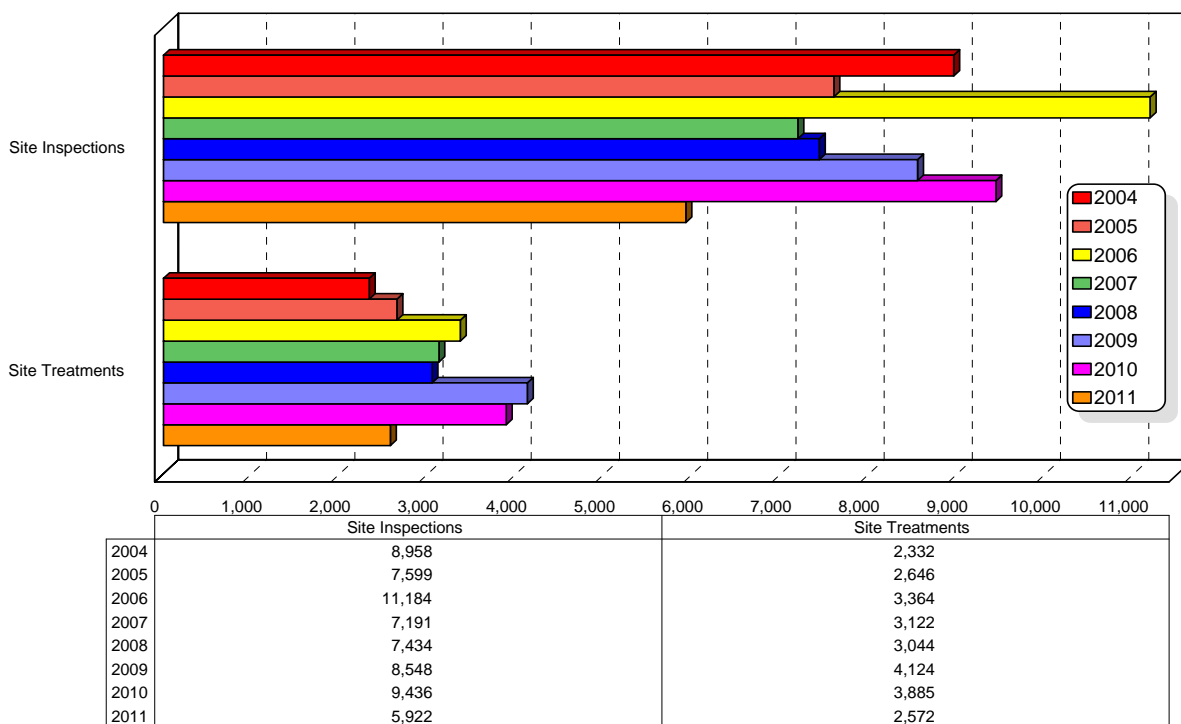
The City of Fort Collins faced difficult budget cutbacks this year. The city opted to contract with CMC to perform site inspections and larval control applications during the months of June, July and August in 2011 to meet budget expectations. The City did not have the funds to staff a backyard / public relations technician through CMC in 2011. As a result, there were no backyards or storm drains inspected in 2011. The 2011 City of Fort Collins Mosquito Management staff consisted of 13 Full-time Equivalent employees (FTE). Specifically, we had 1 Operations Manager, 1 Field Supervisor, 9 Field Technicians, 0.5 Surveillance Supervisor, 1 Surveillance Technician, and 0.5 Maintenance Technician.

The larval coverage area includes 109 square miles of private and public lands, where resident contact has been made and permission has been granted. To date, there are 952 active larval mosquito habitats and 411 mandatory sites (weekly or twice/week inspections based on seasonal potential) included in the active inspection and larviciding program for the City of Fort Collins. There were 18 new larval sites added to the active inspection program in 2011. Since the inception of the program 150 sites have been destroyed or physically modified and no longer pose the potential to produce mosquito larvae. Three hundred and three sites have been mapped and listed as not active sites due to the low potential to produce mosquito larvae.

In 2011, 86.4% of the total sites inspected were wet upon inspection and 50% were producing mosquito larvae in the City of Fort Collins. An estimated 6.9 billion mosquito larvae were eliminated before emerging as biting adults via larvicide applications

Cumulative Larval Site Inspections

Fort Collins Larval Mosquito Control Programs



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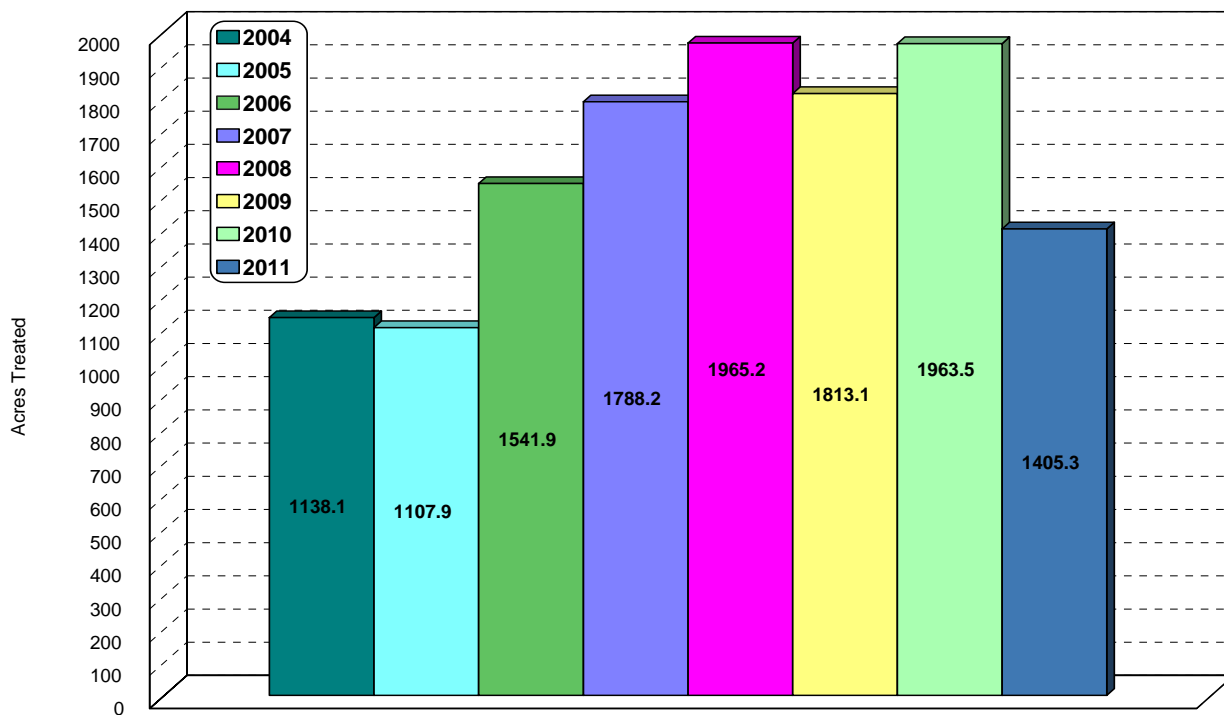
This chart is the confidential work product of Colorado Mosquito Control, Inc and is protected by state and federal statutes.

Larval mosquito control can be achieved in several ways including biological, biochemical, chemical, and mechanical means. Although there are a variety of methods of reducing larval populations some may have greater consequence than benefit. Mechanical or habitat modification is a technique which may be used, but the area to be modified and the extent to which the work will affect the surrounding area must be carefully reviewed. Permanent ecological damage may occur if extensive habitat change has taken place. True biological controls may, too, have costs which outweigh the benefits or competency of their control capacity.

CMC's favored method of larval mosquito control is through bacterial bio-rational products. The main product used by CMC is a variety of bacteria (*Bacillus thuringiensis var. israeliensis*). *Bti* as it is known has become the cornerstone of mosquito control programs throughout the world. The benefits include its efficacy and lack of environmental impacts. When used properly successful control without impact to aquatic invertebrates, birds, mammals, fish, amphibians, reptiles, or humans can be achieved. A broad label allows for the use of the product in the majority of the habitats throughout the service area.

Cumulative Larval Acreage Treated

Fort Collins Area Larval Mosquito Control Programs



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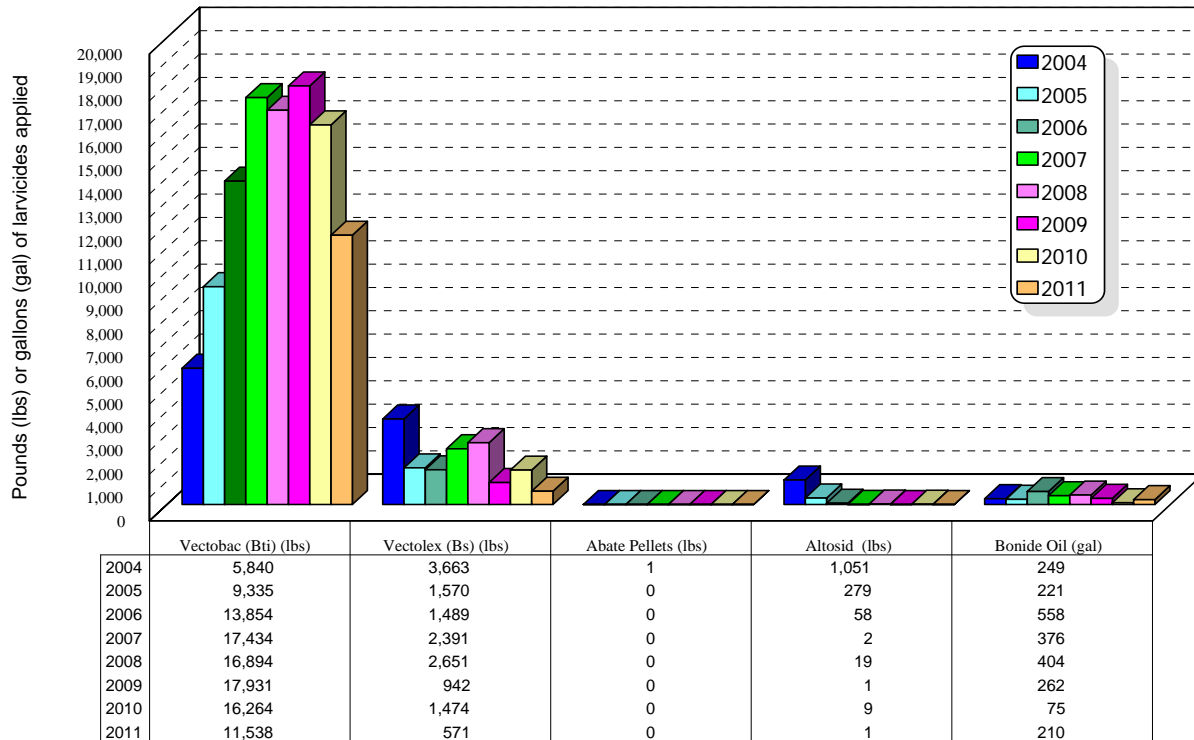
This chart is the confidential work product of Colorado Mosquito Control, Inc and is protected by state and federal statutes.

Another bacterial product closely related to *Bti* is *Bacillus sphaericus* (*Bs*). In addition to all of the benefits of *Bti*, *Bs* is by definition a true biological control agent in that it remains in the system through multiple broods, or generations, of mosquitoes. Unfortunately the residual benefit of the control comes at a cost in price of approximately three times that of *Bti*.

Other larval control products include a growth regulators (methoprene, in the form of the product Altosid), mineral oils (Bonide, BVA, Kontrol), and an organophosphate (Abate). Methoprene is a synthetic copy of a juvenile growth hormone in larval mosquitoes. The hormone prevents normal development of the adult mosquito in the pupal stage eventually causing death. While a good control product, the cost is prohibitive to be the predominant product in a large scale program. Abate, the one chemical larval control product CMC uses, serves as an effective product, but label restrictions limit its use in many areas. CMC limits the use of chemical larvicides to areas with little biodiversity, such as road side ditches, or areas which chronically produce large amounts of mosquitoes and use them only as a last resort when other solutions are not present. The benefits of these products are the availability of 30 and 150 day formulations. Mineral oil is the only product effective on the pupal stage and therefore is an essential tool when pupae are found.

Larval Control Product Application

Fort Collins Larval Mosquito Management Program



2011 Colorado Mosquito Control, Inc.

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All the fore mentioned methods and products represent the essential ingredients of Integrated Pest Management. Mosquitoes are very well adapted animals and can be found in many different habitat types from a cattail marsh to a cup littered on the side of the road. A variety of tools must be used to prevent resistance and ensure the best method will be available for any given situation.

CMC Surveillance Laboratory





Information about mosquito abundance and species identity is critical to a successful mosquito control program. Colorado Mosquito Control employs two kinds of traps to monitor mosquito populations. The most commonly used is the CDC light trap which uses carbon-dioxide from dry ice as bait to attract female mosquitoes seeking a blood meal from a breathing animal. Once attracted by the CO₂, the mosquitoes are lured by a small light to a fan that pulls them into a net for collection. The Gravid Trap uses a tub of highly-organic water as bait to attract female mosquitoes that are looking for a place to lay their eggs. A fan placed close to the water surface forces mosquitoes that come to the water into a collection net. Once back in the laboratory, the contents of the trap nets are counted and identified by technicians trained to recognize the Colorado mosquito species.

In 2011, Colorado Mosquito Control monitored a statewide network of hundreds of weekly trap sites, collecting over 900,000 adult mosquitoes that were counted and identified to species by the CMC Surveillance Laboratory. While individual traps provide only limited information, trap data is interpreted in the context of historical records for the same trap site, going back in time more than a decade. Individual traps are also compared to other traps from around the region that were set on the same night and therefore exposed to similar weather conditions. Technicians working in the Surveillance Laboratory at Colorado Mosquito Control, Inc. are trained to provide accurate species-level identification of mosquito specimens, for both adults and larvae. More than 50 mosquito species are believed to occur in Colorado, and 32 of those were identified from samples processed during the 2011 season from across the state.



Additionally, the CMC Surveillance Laboratory conducts an intensive larval identification program with larval mosquito samples collected by I&L technicians prior to larviciding being identified to species. This information is now invaluable in targeting mosquito control efforts as we gain a greater understanding of the habitat types preferred by Colorado mosquito species and the seasonality of these habitats as sites for mosquito development.

Specimens and data collected from these traps and larval identification are used in:

-  Determining effectiveness of larval control efforts. Each mosquito species prefers specific kinds of habitats for larval development. If a trap includes large numbers, it could indicate the presence of an unknown larval habitat and, based on the species identification and known habitat preference for that species, direct field technicians as to possible sources of the mosquitoes collected.
-  Determining larval and adult mosquito species. This helps to illustrate the threat of mosquito-borne disease amplification and transmission.
-  Determining where adult control efforts were necessary. While mosquito eradication is impossible, significant population reduction is achievable. In places where larval control was insufficient, especially in neighborhoods where adult mosquitoes migrated in from larval sources outside of the control area, it may be necessary to use adulticide methods, such as ULV truck fogging or barrier sprays of nearby harborage areas. Trap counts that exceeded an acceptable threshold for an area would trigger adult control measures.
-  Surveillance for Mosquito-borne Disease. Historically, CMC efforts were targeted primarily at controlling mosquito nuisance problems with limited disease surveillance. However, since the arrival of the West Nile Virus in Colorado in August of 2002, the paradigm has shifted toward disease prevention and control. Accurate species identification of the mosquitoes in the traps is important when monitoring species population trends. It also is necessary for evaluating whether a population spike represents an actual increase in disease transmission potential or only an increased nuisance level.

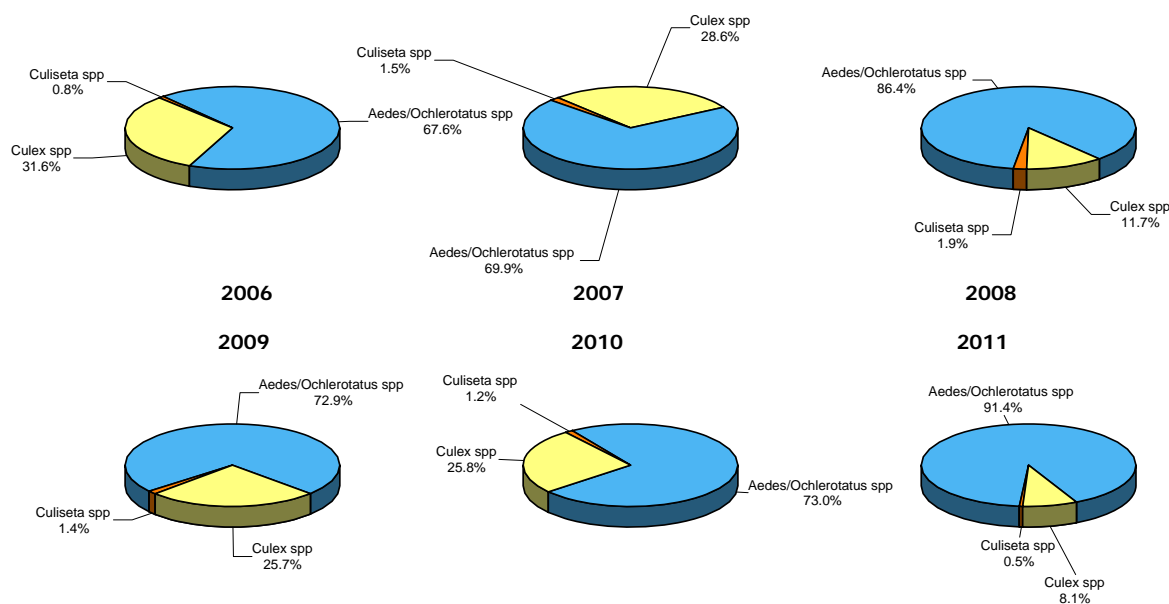


CDC Surveillance Light Trap Data Comparison

In 2011, an average of 43 surveillance light traps monitored adult mosquito populations within the City of Fort Collins. Surveillance trapping began the week of June 1st and trapping was concluded on August 13th, three weeks earlier than the typical time frame. The City of Fort Collins operated on this abbreviated surveillance monitoring schedule this year, due to budget cutbacks, but still maintained the same number of traps and WN testing procedures as in previous seasons.

Annual CDC Light Trap Species Abundance Comparison

Compilation of Mosquitoes Collected from Surveillance Locations within City Limits of Fort Collins
*includes surveillance data from traps set in Homeowners Associations and CDPHE sentinel traps



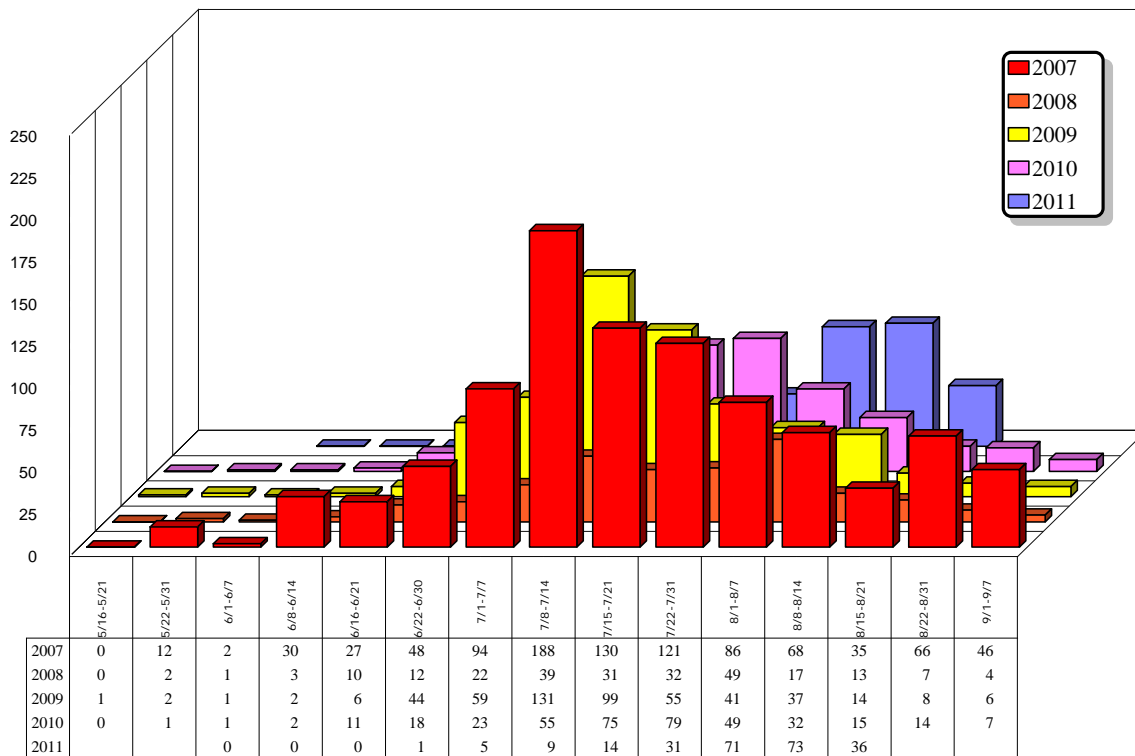
2011: Total 142,040 mosquitoes from 483 trap nights (avg. 294 mosquitoes per trap/night)
 2010: Total 67,280 mosquitoes from 652 trap nights (avg 103 mosquitoes per trap/night)
 2009: Total 88,392 mosquitoes from 592 trap nights (avg 149 mosquitoes per trap/night)
 2008: Total 96,251 mosquitoes from 705 trap nights (avg 137 mosquitoes per trap/night)
 2007: Total 147,424 mosquitoes from 642 trap nights (avg 229 mosquitoes per trap/night)
 2006: Total 56,628 mosquitoes from 722 trap nights (avg. 78 mosquitoes per trap/night)

2011 Colorado Mosquito Control, Inc.

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In 2011, 483 surveillance light traps were set within City of Fort Collins, which collected 142,040 total mosquitoes. The average number of mosquitoes collected per trap per night was 294 and the average number of *Culex spp.* mosquitoes collected per trap per night was 24. The percent composition of mosquitoes collected in 2011 included 91.1% (129,345) *Aedes/Ochlerotatus spp.*, 6.9% (9,806) *Culex tarsalis*, 1.1% (1,617) *Culex pipiens*, 10 (less than 1%) *Culex spp.*, .5% (698) *Culiseta spp.*, 11 (less than 1%) *Psorophora signipennis*, 528 (.4%) *Coquillettidia perturbans* and (less than 1%) (25) *Anopheles spp.* mosquitoes. Please refer to the CDC Light Trap Details for Species Composition and Season Trends by individual surveillance trap location.

Comparison of Average *Culex* Mosquitoes per Light Trap/ Night within the City Limits of Fort Collins



2011 Colorado Mosquito Control, Inc.

This chart is the confidential work product of Colorado Mosquito Control, Inc and is protected by state and federal statutes.

The Sentinel Encephalitis Surveillance Program was funded by the Colorado Department of Public Health and Environment (CDPHE), the City of Fort Collins and the City of Fort Collins for the fifth season. CMC maintained the sentinel system with five surveillance traps at permanent locations within a five mile radius (the center point at Fossil Ridge High School). The five surveillance trap locations were FC-04/Bighorn Drive, FC-14/Fort Collins Visitors Center, FC-53/Egret and Rookery, FC-67/Poudre River Trail at Mulberry and Lemay, and LV-095/Waterfront at Boyd Lake. All *Culex* mosquitoes were sent to and tested by CSU. CSU sent test result data to the CDPHE for input into ArboNet.

The sentinel light traps were set once a week from June 12th to July 2nd (week 26), set twice a week until August 6th (week 31) and then set once a week until Sept 3rd (week 35). There were 95 sentinel surveillance traps set in 2011 for the Larimer County Sentinel Encephalitis Surveillance Program, which collected a total of 57,385 mosquitoes. The average number of mosquitoes collected per trap per night in 2011 was 604 and the average *Culex* mosquitoes collected per trap per night was 49. The sentinel trapping locations continue to provide the best composition of *Culex* mosquitoes on an annual basis, when compared to other surveillance locations regardless of season.

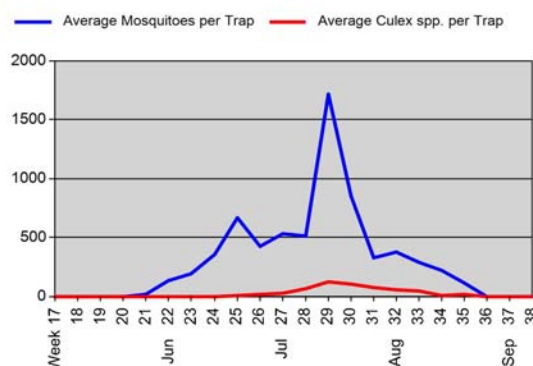
2011 Larimer CDC Light Trap Composite Data

Total number of trap/nights set: 95
 Total number of mosquitoes collected: 57,385
 Average mosquitoes per trap/night: 604
 Average Culex per trap/night: 49

Species collected and abundance:

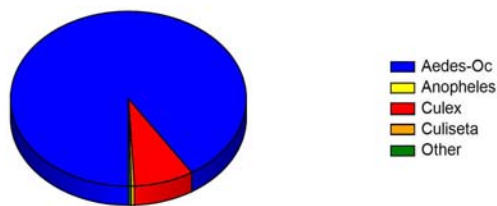
<i>Aedes (Oc.) dorsalis</i>	2310	4.0 %
<i>Aedes (Oc.) hendersoni</i>	3	0.0 %
<i>Aedes (Oc.) increpitus</i>	13732	23.9 %
<i>Aedes (Oc.) melanimon</i>	1146	2.0 %
<i>Aedes (Oc.) nigromaculis</i>	122	0.2 %
<i>Aedes (Oc.) trivittatus</i>	312	0.5 %
<i>Aedes vexans</i>	34580	60.3 %
<i>Aedes/Ochlerotatus spp</i>	1	0.0 %
<i>Anopheles hermsi</i>	10	0.0 %
<i>Coquilletidia perturbans</i>	205	0.4 %
<i>Culex pipiens</i>	659	1.1 %
<i>Culex spp</i>	10	0.0 %
<i>Culex tarsalis</i>	4033	7.0 %
<i>Culiseta inornata</i>	262	0.5 %

Seasonality



Genus proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	52,206	91.0 %
<i>Anopheles</i>	10	0.0 %
<i>Culex</i>	4,702	8.2 %
<i>Culiseta</i>	262	0.5 %
Other	205	0.4 %



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CDC SURVEILLANCE GRAVID TRAP DATA COMPARISON

In 2007, CMC established 5 permanent gravid trap locations generated from data obtained from surveillance gravid trapping history. Gravid traps were set weekly at the 5 locations to establish a permanent surveillance system for West Nile Virus transmission activity. Gravid traps primarily attract *Culex pipiens*, which prefer avian hosts when seeking a blood meal. Trapping and testing of *Culex pipiens* mosquitoes provides an indicator of viral amplification based on the infection rates and abundance of *Culex pipiens*.


There were 48 gravid traps set in 2011, which collected a total of 922 mosquitoes. The species breakdown of mosquitoes collected included; 18 (2%) *Aedes/Ochlerotatus spp.*, 10 (1%) *Culiseta spp.*, 873 (94.7%) *Culex pipiens*, and 21 (2.2%) *Culex tarsalis* mosquitoes. Please refer to 2011 Fort Collins Gravid Trap Composite Data Summary for season trends and gravid trapping species breakdown.

CDPHE West Nile Virus Mosquito Testing Results

The Vector Index (VI) has been studied by the Centers for Disease Control (CDC) and CDPHE since the detection of West Nile Virus in 2003. The Vector Index is widely applied in the assessment of West Nile Virus risk on a weekly basis across the State of Colorado. As defined on the CDPHE website, The Vector Index (VI) is a measure of infection rate adjusted for *Culex* mosquito populations within a given area. The value is an estimate of the number of West Nile Virus infected mosquitoes collected per trap per night. The data suggests that a vector index of .75 or above is an indicator of high risk for West Nile Virus transmission to human in the area.

Refer to www.cdphe.state.co.us/dc/zoonosis/wnv/wnvsentinel.html.

This value is closely monitored by Larimer County Department of Health & Environment and the CDPHE to evaluate the risk posed by the vector mosquito population. The Vector Index did not surpass .75 during the 2011 season. A total of 102 mosquito samples containing 157 *Culex pipiens* and 2,949 *Culex tarsalis* mosquitoes collected from the City of Loveland were submitted to CSU for WN testing in 2011. A total of 551 mosquito samples containing 2,538 *Culex pipiens* and 9,139 *Culex tarsalis* mosquitoes collected from the City of Fort Collins were submitted to CSU for WN testing in 2011. WN+ mosquito samples are detailed below.

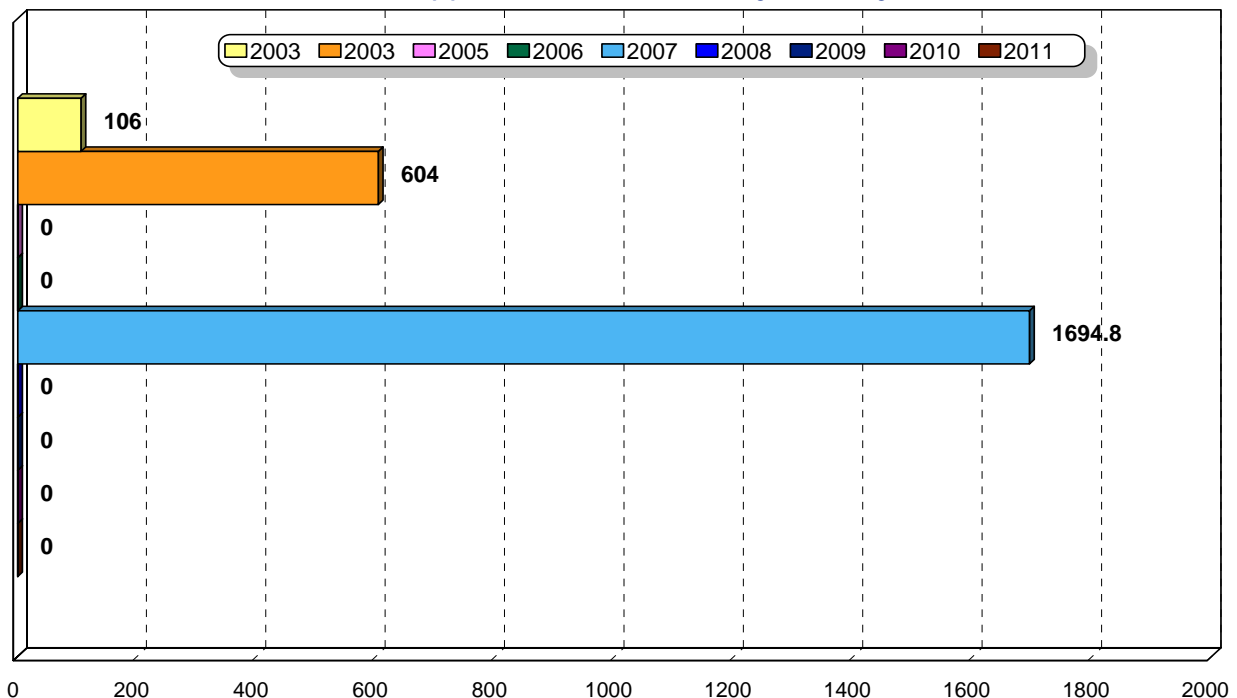
 Colorado Mosquito Control, Inc.		Mosquito Pool Testing					
Sample	Collection	Trap	Quantity	Species	Type	Notes	Results
CSU 2709	08/12/2011	Larimer FC-029gr	51	<i>Culex pipiens</i>	GRAVID		POSITIVE
Total in pool							51
CSU 2710	08/12/2011	Larimer FC-002	5	<i>Culex pipiens</i>	LIGHT		POSITIVE
Total in pool							5
CSU 2711	08/12/2011	Larimer FC-002	16	<i>Culex tarsalis</i>	LIGHT		POSITIVE
Total in pool							16
CSU 2714	08/16/2011	Larimer LV-095	1	<i>Culex pipiens</i>	LIGHT		POSITIVE
Total in pool							1
CSU 2724	08/18/2011	Larimer LV-020	1	<i>Culex pipiens</i>	LIGHT		POSITIVE
Total in pool							1

ADULT MOSQUITO CONTROL

The goal of Colorado Mosquito Control, Inc. is to provide all residents of Larimer County Cooperative Programs with the best options for safe, effective, modern mosquito management. The primary emphasis of the City of Fort Collins Mosquito Management Program is to control mosquitoes in the larval stage, using safe biological control products. Although mosquitoes infected with West Nile Virus were detected from surveillance traps set in the City of Fort Collins, Vector Indices and Infection Rates did not warrant mosquito adulticide applications to be performed in the City of Fort Collins in 2011. It is important to note that CMC did adulticide on numerous occasions within the City of Fort Collins in 2011 at the request of several private homeowners' associations. It is also likely that adulticiding was done by other mosquito control contractors within city limits.

Mileage Comparison of Truck ULV Adulticide Applications within the City of Fort Collins

*Miles Approved and Funded by the City



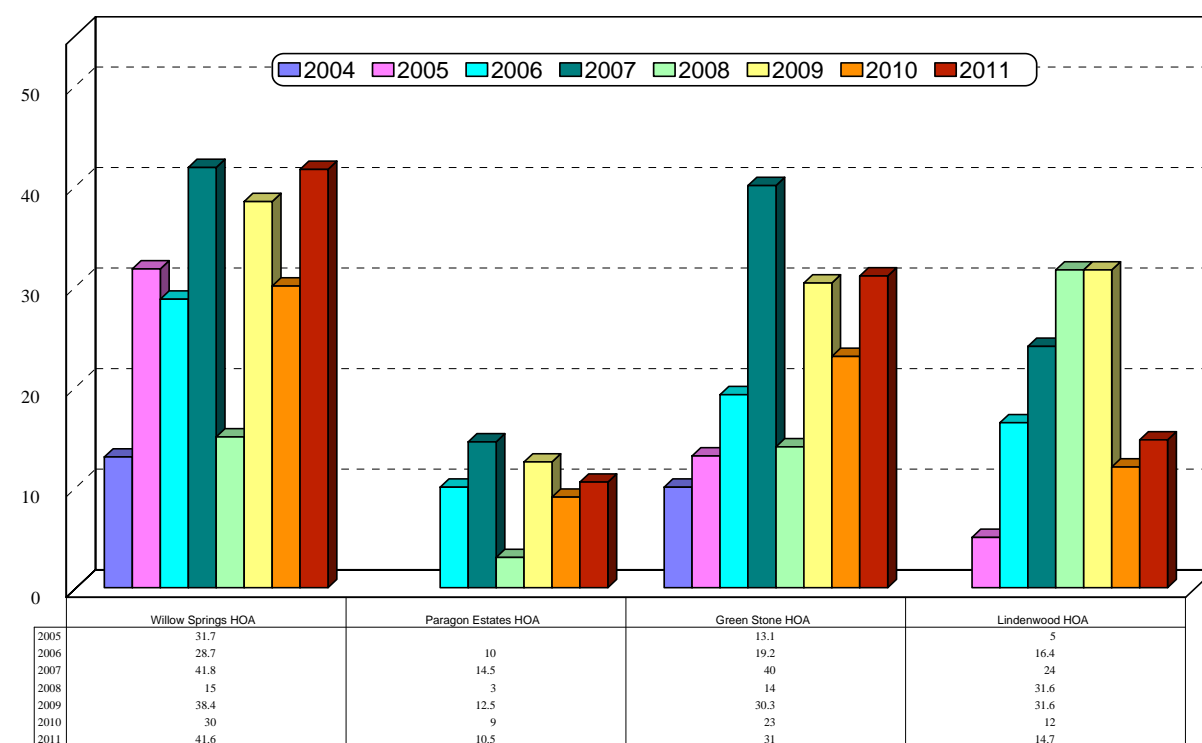
2011 Colorado Mosquito Control, Inc.

This chart is the confidential work product of Colorado Mosquito Control, Inc and is protected by state and federal statutes.

CMC uses all available data from CDC light traps, gravid traps, Mosquito Hotline annoyance calls, and field technician reports to focus adult mosquito control efforts on specific, very limited "targeted" areas. In parts of the community where high numbers of mosquito annoyance calls are received, "floater" CDC light traps are set to evaluate adult population levels and species make-up. In many cases, a direct correlation is evident between areas with high complaint calls and high trap counts. While this correlation allows us to focus adult control in these areas, the emphasis is placed on finding the larval habitat sources of the trapped adults and continued larval control measures.

CMC uses state of the art technology, calibrated application timing, and least-toxic products to minimize non-target impacts. All adult mosquito control is accomplished using Ultra Low Volume (ULV) fogging equipment and performed after dusk when the majority of mosquito species are most active. This type of equipment produces droplets averaging 12 microns in diameter and allows for a minimal amount of product to be put into the environment. These treatments take place in the evening when mosquitoes are flying in greater numbers and non-target insect activity (for example, day-flying pollinators like bees) is greatly reduced. Using this application technique, the overall goal of minimal environmental impact and effective adult control is achieved in the targeted area.

ULV Adulticide Mileage Comparison By Service Area
City of Fort Collins HOA Mosquito Management Programs
(Graph includes Public Health Response ULV Miles paid for by the City of Fort Collins)



2011 Colorado Mosquito Control, Inc.

This chart is the confidential work product of Colorado Mosquito Control, Inc and is protected by state and federal statutes.

In 2011 CMC utilized the water-based products AquaLuer 20-20 and Envion for ULV adult mosquito control. Both use the highly effective pyrethroid Permethrin as their active ingredient, while the water-base provides a much more environmentally sound solution to traditional petroleum oil-based adulticides.

Environmental Responsibility

Colorado Mosquito Control strives to minimize environmental impacts while maximizing efficiency and efficacy in our programs. Using the Integrated Pest Management (IPM) framework, in combination with implementation of new and existing technologies, CMC has raised the bar in developing sustainable mosquito control programs with minimal impact to human health and the environment.

INTEGRATED PEST MANAGEMENT (IPM) **INTEGRATED MOSQUITO MANAGEMENT (IMM)**

CMC has always strived to create the most comprehensive mosquito control programs using the principles of Integrated Pest Management (IPM). IPM allows for management of pests only after careful analysis of the pest population and thoughtful selection of methods that will have the greatest targeted control and the least environmental, economic, and health impacts. With this, CMC uses only products and application methods that target mosquitoes with minimal risk to non-target organisms or human health. For our Integrated Mosquito Management (IMM)



programs, the staple product is *Bacillus thuringiensis israeliensis* (Bti). Bti is the most favorable mosquito control product on the market today and has found favor with both traditional mosquito control programs as well as with environmental advocates for its efficacy in controlling mosquitoes while maintaining target specificity and lack of adverse health effects. Over 90% of CMC's operational applications continue to be with Bti.

However, a true IPM or IMM program cannot rely on the use of a single control method and does not exist without the use of all available tools to control mosquitoes at specific locations or life stages. CMC utilizes a number of techniques to control mosquitoes site specifically through the additional use of native fish as biological controls, biological/bio-rational products such as Bti and *Bacillus sphaericus* (Bs), target specific Insect Growth Regulators (IGR) and mineral oil. Additionally, adult mosquito control continues to be a very small, but integral part of a true IMM program. While adult control is at times necessary in any mosquito control program, CMC recognizes the inherent risks of any pesticide application and through implementation of our Comprehensive Mosquito Management System (CMMS) database, extensive adult and larval surveillance, and input from field personnel we have been able to reduce adult control applications throughout our program areas to target those areas where only necessary.

TECHNOLOGY

CMC has strived to improve the programs offered to its customers with novel and progressive advancements, continually evaluating and implementing new products and new technologies, not only with regard to control efforts but also for data processing and information reporting. CMC shares the belief that timely information should be available to our customers and residents, so that the people who fund the programs can access the work that is being performed. CMC also believes that the ability to access the data will improve both the resident's and municipality's ability to stay informed about West Nile Virus risk in their community.

CMC WEBSITE

Our website, www.comosquitocontrol.com, is the leading website in the State of Colorado when it comes to providing up-to-date, factual, and comprehensive information on, and links to, mosquito biology and control, mosquito-borne diseases, pesticide toxicology information, and a wealth of topics relating to mosquitoes. Our website continues to be an integral tool for dissemination of operational data to the citizens we serve, minimizing the resources and time required by the city and its employees for answering for fielding public inquiries.



LINKS FROM WEBSITE

- ✈ CMC was one of the first mosquito control organizations anywhere to publish adult mosquito control spray schedules on the web. Adult mosquito spray schedules are posted daily by 3PM.
- ✈ CMC has led the industry with dissemination of data via our online dashboard. Over the past year CMC introduced a radical departure from traditional reporting methods: *Digital Interactive Reporting*. No other mosquito control company anywhere has DIGITAL INTERACTIVE REPORTING. These CMC exclusive technologies allows our customers to quickly and easily analyze thousand of data points, simply create and instantly view charts and graphs that can visually compare years of data and show trends not easily detected from traditional data analysis.
- ✈ Visit the Dashboard at: <http://www.comosquitocontrol.com/larimer.html>

PUBLIC RELATIONS AND EDUCATION

For 25 years CMC has believed in and demonstrated that a strong Public Outreach and Education Program is one of the keys to success in providing large-scale municipal mosquito control programs. Citizen complaints, inquiry, information and satisfaction surveys can aid in evaluating the effectiveness of a program. CMC constantly looks for ways to better serve the communities we work with and appreciates the citizen involvement in the betterment of the programs we offer. We have clearly demonstrated that commitment and belief by proactively serving the community (and all of our contracted communities) with numerous innovative programs, activities and services.

Customer Service

Customer service is always a high priority for CMC. We take pride in training each and every technician so that they have the confidence and information to provide residents with the correct answers to sometimes difficult questions. Each field technician spends part of their day responding to resident concerns in their work area. This in-field customer service personalizes the mosquito control program, provides us with local information on mosquito activity and provides the valuable opportunity to truly communicate face-to-face with the residents we serve.

Residents are always encouraged to call the Mosquito Hotline to report areas with high mosquito annoyance and potential standing water breeding habitat. These calls compliment CDC light trap data, allow us to pinpoint problem areas, and ultimately provide another valuable resource for our control efforts. CMC can address the following concerns through a telephone call or email correspondence with residents,

- Opt a property out of any adulticide spraying via a "shut-off list" which is updated annually and as new requests are received
- Request a call notification when adulticide spraying is planned in and around their neighborhood
- Report mosquito annoyance areas and request floater traps at a residence
- Report standing, stagnant water that may indicate the presence of larval sites or harborage
- Request fish to control mosquito larvae (where applicable and appropriate)
- Request information on how to control and/or prevent mosquitoes on their property
- Request health and safety information about mosquito control operations, repellent use and pesticide products



CALL NOTIFICATION & SHUTOFF SYSTEM

CMC will continue to maintain a comprehensive Call Notification & Shutoff database and will notify residents on the list when conducting ULV adulticide spray applications within 2 blocks of their property or within the effective ULV spray drift distance (300-500 ft depending on wind speed and direction). All Shutoff locations are mapped in ArcView GIS. Call & Shutoff forms are available online and may be submitted via CMC website or by mail.

As of 2011, there are 67 residents of Fort Collins on the Call & Shutoff Notification Program. Twenty eight residents have asked for a Call notification, three residents have asked for an email notification on the day of spraying should it occur, twenty nine residents have requested a Call & Shutoff of mosquito sprays near their homes, six residents requested an email and shutoff of sprays, and one resident has requested a Shutoff of mosquito adulticides with no call notification.

FREE FISH STOCKING PROGRAM

CMC will continue to work with residents to supply larvivorous fish to those residents with ornamental and closed-system ponds that are not currently stocked with fish and that may be producing mosquito problems in their neighborhoods. CMC technicians will physically visit the resident's homes to distribute fish.

"PREVENTION & PROTECTION" PRESENTATIONS

CMC will continue to offer presentations to "at risk" municipal employees in the Parks & Recreation Dept., Utility Workers, and the local senior populations with information about personal protection, repellents, West Nile Virus activity and ways to reduce mosquitoes by dumping/ draining standing water.

FLOATER TRAP PLACEMENT for annoyance reports at resident homes at locations away from standard trapping zones.

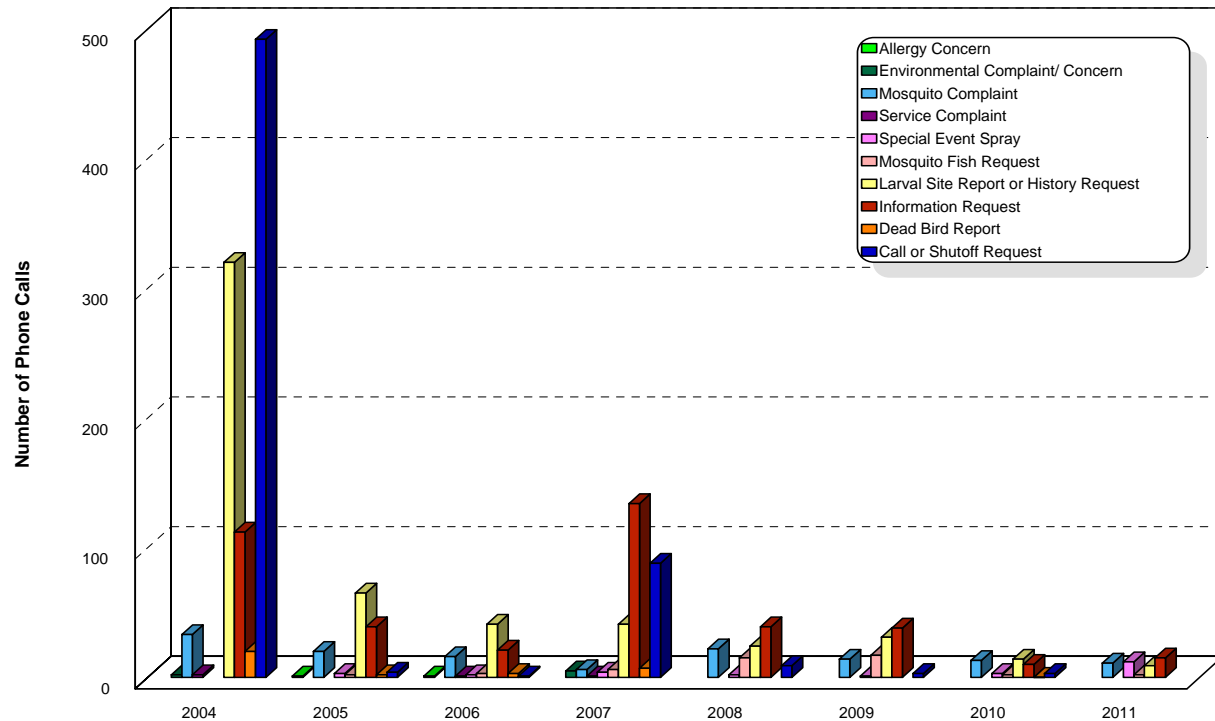
DAILY POSTING OF ULV SPRAY ZONES posted by 3 pm for resident notification at www.comosquitocontrol.com

MAP OF ULV ZONES at www.comosquitocontrol.com for resident reference.

In 2011 CMC fielded 49 phone calls from City of Fort Collins residents. Of these, there were 15 requests for information regarding the City's mosquito control program, West Nile Virus risk, and ways to reduce mosquitoes. There were 9 new larval site reports, in which a CMC technician inspected the area for standing water. If the habitat posed potential for mosquito larvae, then CMC would treat and add the site into the routine inspection program for the City of Fort Collins. There were 2 mosquito fish requests and fish were provided. There were 11 mosquito annoyance calls received in 2011. CMC responded to these mosquito annoyances by either providing trap data for the local area, setting floater traps, or inspecting the area for new sites that may be producing mosquitoes and causing the annoyance. There were 12 requests for special event sprays at private residences requested in the City of Fort Collins.

Annual Comparison of MosquitoLine Calls

Fort Collins Resident Phone Calls by Type

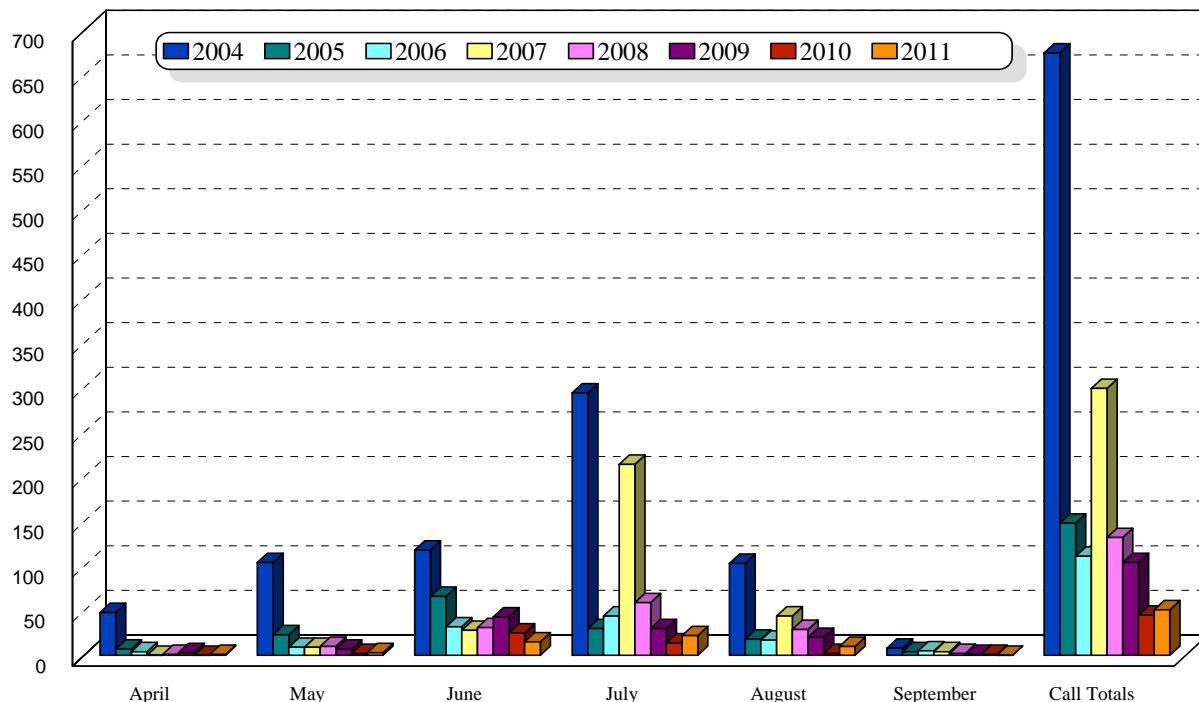


2011 Colorado Mosquito Control, Inc.

This chart is the confidential work product of Colorado Mosquito Control, Inc and is protected by state and federal statutes.

MosquitoLine Calls Received By Month

City of Fort Collins Mosquito Management Program



2011 Colorado Mosquito Control, Inc.

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KEEPING OUR NATURAL AREAS PRISTINE

CMC adopted a new program in 2010 with suggestions from our staff to cleanup natural areas, designated open space or state wildlife areas within the communities we work. This year CMC employees volunteered on Friday August 2nd to cleanup Frank State Wildlife Area in Windsor. All together we removed 4 large bags of litter, tires, and debris from around the ponds and along the Poudre River. CMC hopes to continue this outreach program and team building opportunity for our staff with cooperation from local municipalities.



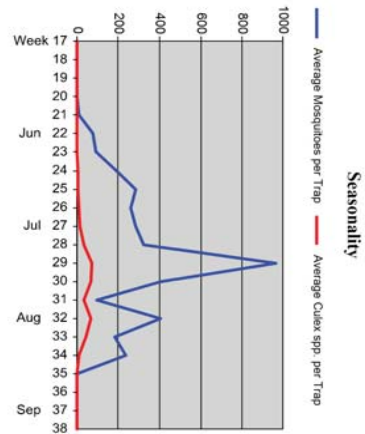
SUMMARY

The summer of 2011 may well be remembered for its mid-season explosion of mosquitoes and record number of mosquito annoyance reports received in many areas. CMC's proactive IPM program stressing targeted site treatments and new site identification, sound adult surveillance monitoring and control, and responsive customer service approach, all served to play a significant role in keeping overall mosquito related issues to a tolerable level.

Colorado Mosquito Control wishes to thank all City of Fort Collins residents, staff and council members for their continuing support and we look forward to providing the City of Fort Collins with mosquito control services in 2012 and beyond.

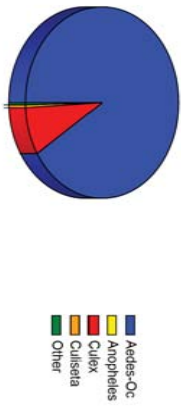
2011 Fort Collins CDC Light Trap Composite Data

Total number of trap/nights set:	483
Total number of mosquitoes collected:	142,040
Average mosquitoes per trap/night:	294
Average Culex per trap/night:	24
Species collected and abundance:	
<i>Aedes (Oe.) dorsalis</i>	9383 6.6%
<i>Aedes (Oe.) hendersoni</i>	92 0.1%
<i>Aedes (Oe.) triseriatus</i>	16544 11.6%
<i>Aedes (Oe.) mediovittatus</i>	3876 2.7%
<i>Aedes (Oe.) nigromaculis</i>	187 0.1%
<i>Aedes (Oe.) triseriatus</i>	537 0.4%
<i>Aedes vexans</i>	98736 69.5%
<i>Aedes Ochlerotatus spp</i>	40 0.0%
<i>Anopheles hernesi</i>	25 0.0%
<i>Copitelandia perturbans</i>	528 0.4%
<i>Culex pipiens</i>	1617 1.1%
<i>Culex spp</i>	10 0.0%
<i>Culex tarsalis</i>	9806 6.9%
<i>Culiseta inornata</i>	698 0.5%
<i>Psorophora signipennis</i>	11 0.0%



Genus proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	129,345	91.1%
<i>Anopheles</i>	25	0.0%
<i>Culex</i>	11,433	8.0%
<i>Culiseta</i>	698	0.5%
Other	539	0.4%



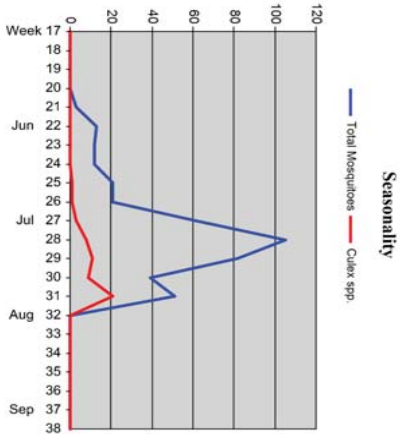
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FC-002: 3907 Benthaven

Season:	2011
Trap Type:	Light/CO2
Location:	3907 Benthaven
GPS:	N40° 32.020', W105° 5.270'
Total number of trap/nights set:	
Total number of mosquitoes collected:	9
Average mosquitoes per trap/night:	387
Average Culex per trap/night:	43

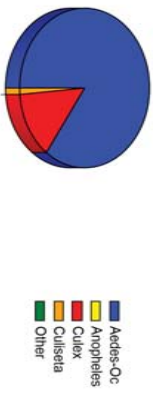
Species collected and abundance:

<i>Aedes (Oe.) dorsalis</i>	17 4.4%
<i>Aedes (Oe.) hendersoni</i>	3 0.8%
<i>Aedes (Oe.) mediovittatus</i>	3 0.8%
<i>Aedes (Oe.) nigromaculis</i>	1 0.3%
<i>Aedes (Oe.) triseriatus</i>	3 0.8%
<i>Aedes vexans</i>	302 78.0%
<i>Culex pipiens</i>	14 3.6%
<i>Culex tarsalis</i>	39 10.1%
<i>Culiseta inornata</i>	5 1.3%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	329	85.0%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	53	13.7%
<i>Culiseta</i>	5	1.3%
Other	0	0.0%



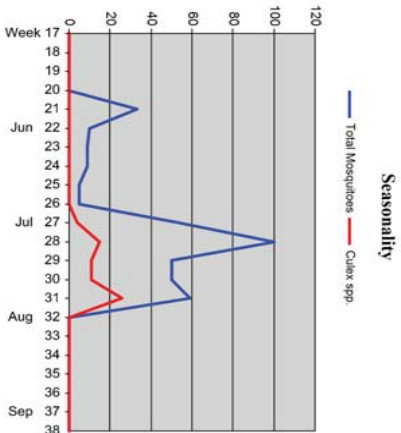
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FC-001: Magic Carpet

Season:	2011
Trap Type:	Light/CO2
Location:	Hudson and Avovalde detention basin
GPS:	N40° 29.455', W105° 4.955'
Total number of trap/nights set:	
Total number of mosquitoes collected:	8
Average mosquitoes per trap/night:	319
Average Culex per trap/night:	40

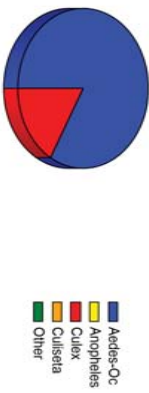
Species collected and abundance:

<i>Aedes (Oe.) dorsalis</i>	130 40.8%
<i>Aedes vexans</i>	133 41.7%
<i>Culex pipiens</i>	4 1.3%
<i>Culex tarsalis</i>	52 16.3%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	280	87.8%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	56	17.6%
<i>Culiseta</i>	0	0.0%
Other	0	0.0%



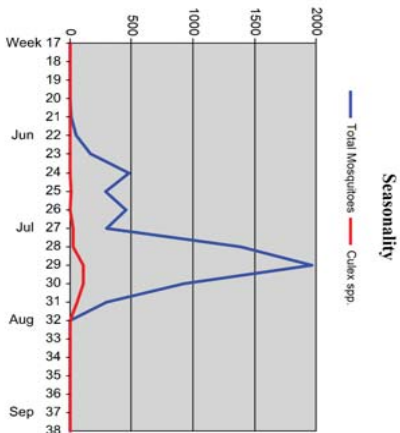
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FC-006: North Linden

Season:	2011
Trap Type:	Light/CO2
Location:	North Linden at east side of bike trail
GPS:	N40° 35.460', W105° 4.250'
Total number of trap/nights set:	
Total number of mosquitoes collected:	11
Average mosquitoes per trap/night:	6,326
Average Culex per trap/night:	30

Species collected and abundance:

<i>Aedes (Oe.) dorsalis</i>	120 1.9%
<i>Aedes (Oe.) hendersoni</i>	2 0.0%
<i>Aedes (Oe.) mediovittatus</i>	117 1.8%
<i>Aedes (Oe.) nigromaculis</i>	54 0.9%
<i>Aedes (Oe.) triseriatus</i>	2 0.0%
<i>Aedes vexans</i>	10 0.2%
<i>Aedes/Ochlerotatus spp</i>	5658 89.4%
<i>Anopheles hernesi</i>	5 0.1%
<i>Copitelandia perturbans</i>	6 0.1%
<i>Culex pipiens</i>	1 0.0%
<i>Culex tarsalis</i>	93 1.5%
<i>Culiseta inornata</i>	238 3.8%



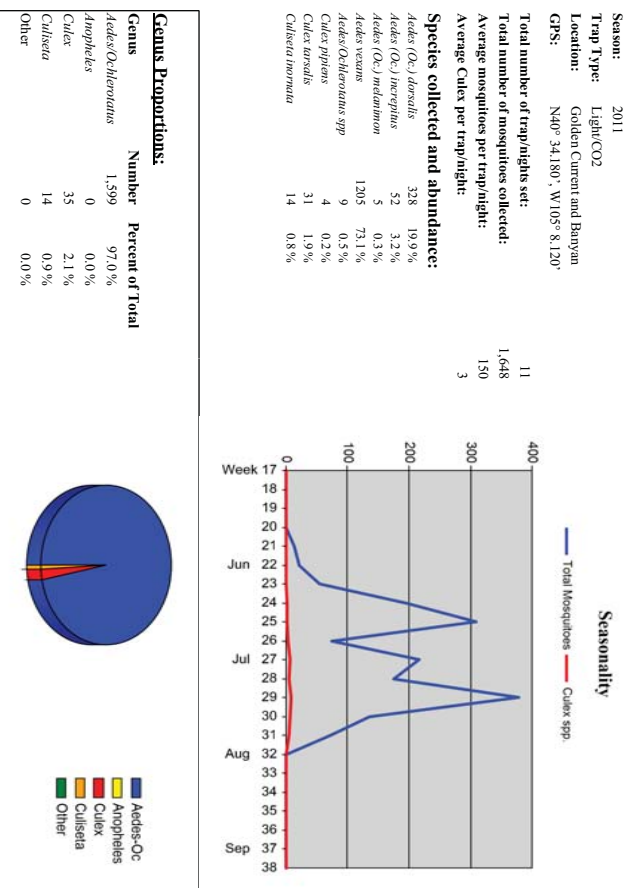
Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	5968	94.3%
<i>Anopheles</i>	6	0.1%
<i>Culex</i>	331	5.2%
<i>Culiseta</i>	20	0.3%
Other	1	0.0%



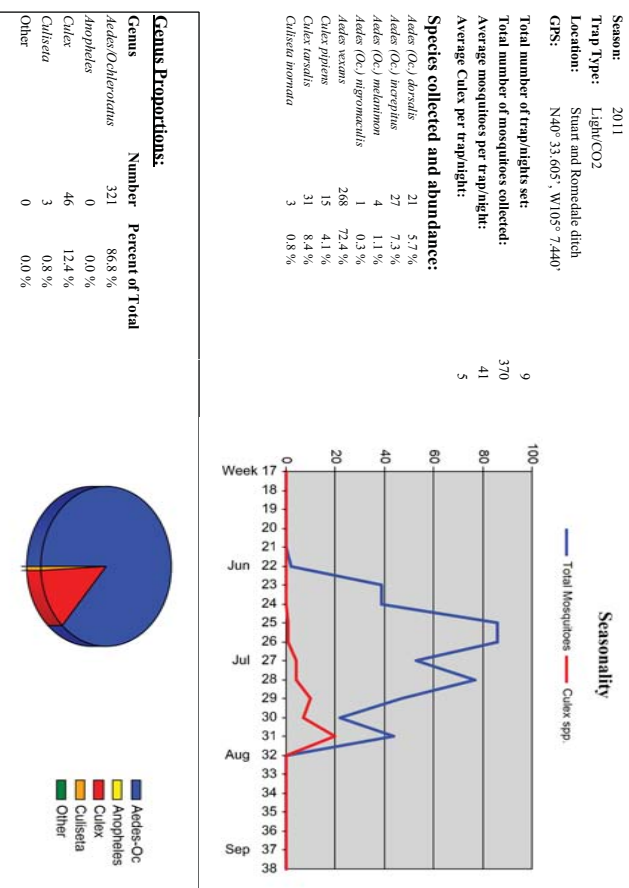
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FC-011: Golden Current



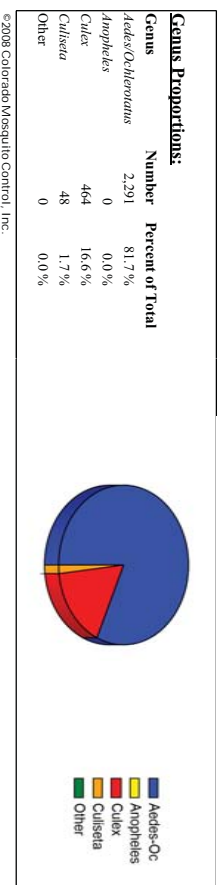
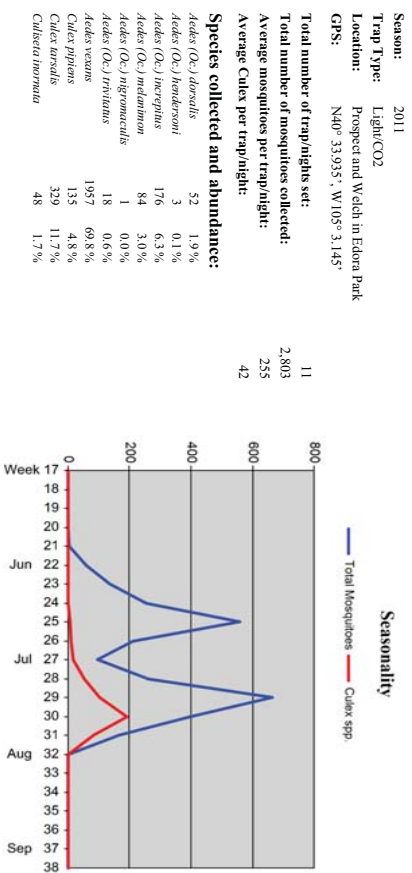
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FC-015: Stuart and Dorset

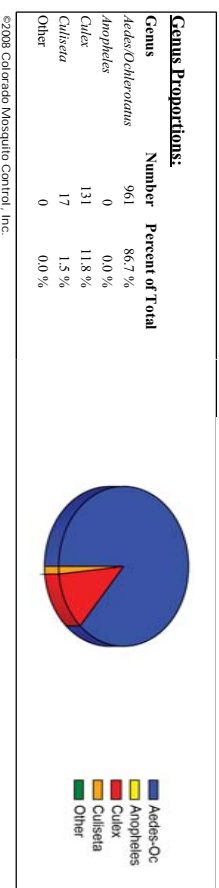
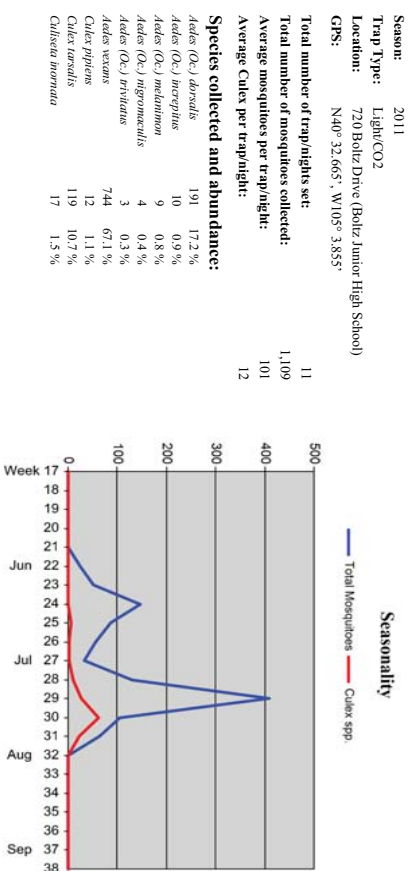


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FC-019: Edora Park



FC-023: Boltz



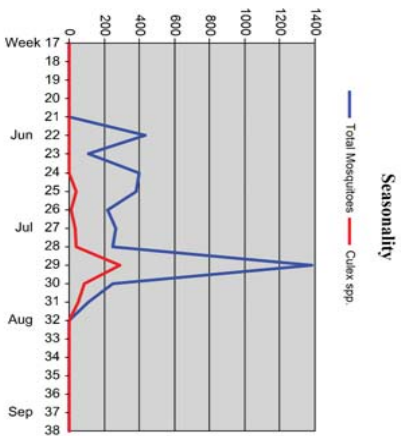
FC-027: San Luis

Season: 2011
Trap Type: Light/CO2
Location: behind 3001 San Luis along ditch
GPS: N40° 32.810', W105° 1.990'

Total number of trap/nights set: 12
Total number of mosquitoes collected: 3,801
Average mosquitoes per trap/night: 317
Average Culex per trap/night: 47

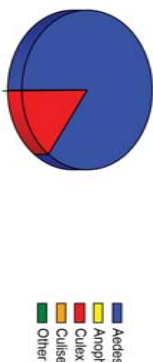
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	232	6.1 %
<i>Aedes (Oz.) incertipus</i>	88	2.3 %
<i>Aedes (Oz.) hendersoni</i>	80	2.1 %
<i>Aedes (Oz.) medionum</i>	1	0.0 %
<i>Aedes (Oz.) nigromaculis</i>	13	0.3 %
<i>Aedes vexans</i>	2820	74.2 %
<i>Culex pipiens</i>	28	0.7 %
<i>Culex tarsalis</i>	532	14.0 %
<i>Culiseta inornata</i>	7	0.2 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	3,234	85.1 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	560	14.7 %
<i>Culiseta</i>	7	0.2 %
Other	0	0.0 %



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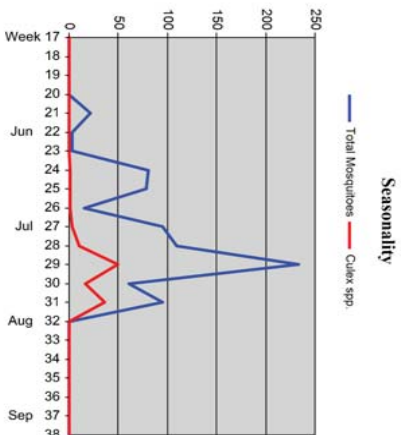
FC-029: Bens Park

Season: 2011
Trap Type: Light/CO2
Location: Fossil Ridge Park on Fossil Creek Parkway
GPS: N40° 30.680', W105° 4.310'

Total number of trap/nights set: 11
Total number of mosquitoes collected: 795
Average mosquitoes per trap/night: 72
Average Culex per trap/night: 11

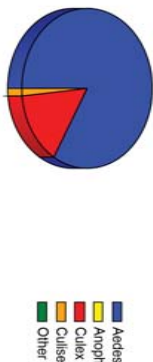
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	24	3.0 %
<i>Aedes (Oz.) hendersoni</i>	1	0.1 %
<i>Aedes (Oz.) incertipus</i>	9	1.1 %
<i>Aedes (Oz.) medionum</i>	3	0.4 %
<i>Aedes vexans</i>	627	78.9 %
<i>Culex pipiens</i>	14	1.8 %
<i>Culex tarsalis</i>	105	13.2 %
<i>Culiseta inornata</i>	12	1.5 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	664	83.5 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	119	15.0 %
<i>Culiseta</i>	12	1.5 %
Other	0	0.0 %



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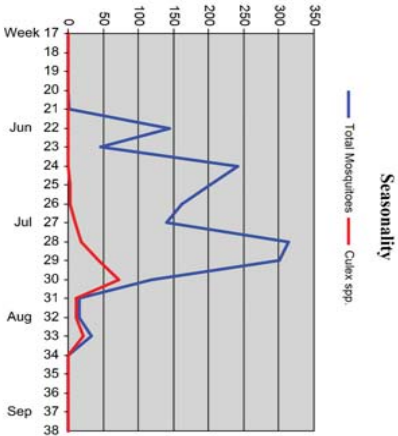
FC-031: Willow Spings

Season: 2011
Trap Type: Light/CO2
Location: Timberline just past Willow Springs Way
GPS: N40° 30.370', W105° 2.375'

Total number of trap/nights set: 12
Total number of mosquitoes collected: 1,721
Average mosquitoes per trap/night: 143
Average Culex per trap/night: 16

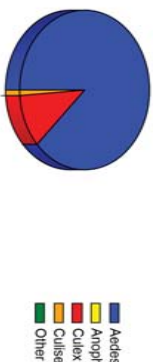
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	267	15.5 %
<i>Aedes (Oz.) hendersoni</i>	1	0.1 %
<i>Aedes (Oz.) incertipus</i>	8	0.5 %
<i>Aedes (Oz.) medionum</i>	56	3.3 %
<i>Aedes (Oz.) nigromaculis</i>	3	0.2 %
<i>Aedes (Oz.) irritans</i>	4	0.2 %
<i>Aedes vexans</i>	1176	68.5 %
<i>Aedes/Ochlerotatus spp</i>	1	0.1 %
<i>Culex pipiens</i>	10	0.6 %
<i>Culex tarsalis</i>	176	10.2 %
<i>Culiseta inornata</i>	19	1.1 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	1,516	88.1 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	186	10.8 %
<i>Culiseta</i>	19	1.1 %
Other	0	0.0 %



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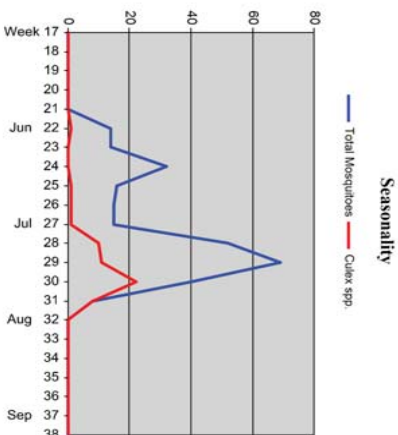
FC-033: Sage Creek

Season: 2011
Trap Type: Light/CO2
Location: 5237 Zeigler
GPS: N40° 30.805', W105° 1.210'

Total number of trap/nights set: 10
Total number of mosquitoes collected: 261
Average mosquitoes per trap/night: 26
Average Culex per trap/night: 6

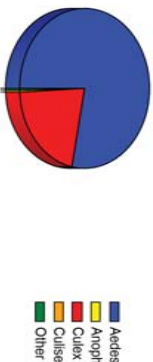
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	38	14.6 %
<i>Aedes (Oz.) hendersoni</i>	1	0.4 %
<i>Aedes (Oz.) medionum</i>	165	63.2 %
<i>Aedes vexans</i>	55	21.1 %
<i>Culex tarsalis</i>	5	0.4 %
<i>Culiseta inornata</i>	1	0.4 %
<i>Pseudopharsigma</i>	1	0.4 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	204	78.2 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	55	21.1 %
<i>Culiseta</i>	1	0.4 %
Other	1	0.4 %



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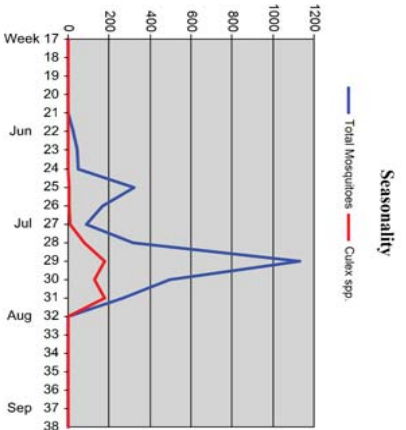
FC-034: Country Club

Season: 2011
 Trap Type: Light/CO2
 Location: 1113 Wooded Creek Court
 GPS: N40° 37.595', W105° 3.115'

Total number of trap/nights set: 11
 Total number of mosquitoes collected: 2,905
 Average mosquitoes per trap/night: 264
 Average Culex per trap/night: 53

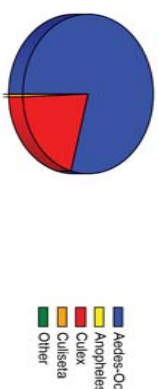
Species collected and abundance:

Aedes (Oz.) dorsalis 111 3.8%
Aedes (Oz.) hendersoni 6 0.2%
Aedes (Oz.) incertus 189 6.5%
Aedes (Oz.) medionem 383 13.2%
Aedes (Oz.) trivittatus 9 0.3%
Aedes vexans 1604 55.2%
Copulicladia perturbans 1 0.0%
Culex pipiens 16 0.6%
Culex tarsalis 570 19.6%
Culiseta inornata 16 0.6%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	2,302	79.2%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	586	20.2%
<i>Culiseta</i>	16	0.6%
Other	1	0.0%



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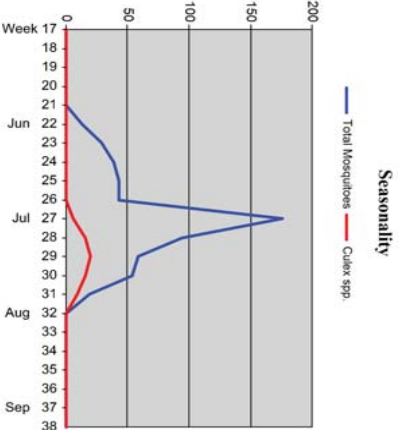
FC-037: Chelsea Ridge

Season: 2011
 Trap Type: Light/CO2
 Location: 1113 Wooded Creek Court
 GPS: N40° 31.005', W105° 5.910'

Total number of trap/nights set: 9
 Total number of mosquitoes collected: 526
 Average mosquitoes per trap/night: 58
 Average Culex per trap/night: 7

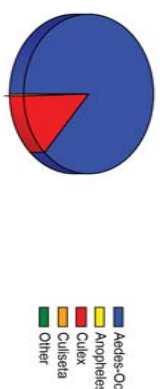
Species collected and abundance:

Aedes (Oz.) dorsalis 16 3.0%
Aedes (Oz.) hendersoni 1 0.2%
Aedes (Oz.) incertus 6 1.1%
Aedes (Oz.) nigromaculis 1 0.2%
Aedes (Oz.) trivittatus 432 82.1%
Aedes vexans 5 1.0%
Culex pipiens 62 11.8%
Culex tarsalis 2 0.4%
Culiseta inornata 2 0.4%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	457	86.9%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	67	12.7%
<i>Culiseta</i>	2	0.4%
Other	0	0.0%



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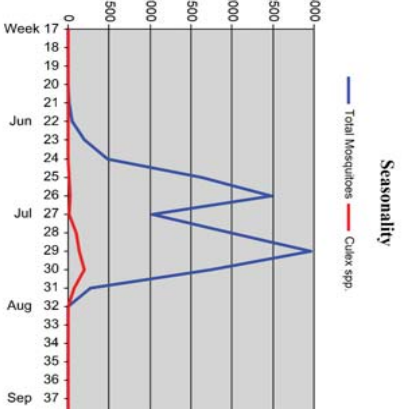
FC-036: Hemlock

Season: 2011
 Trap Type: Light/CO2
 Location: Hemlock Street at Rivers Edge FCNA
 GPS: N40° 36.005', W105° 4.770'

Total number of trap/nights set: 11
 Total number of mosquitoes collected: 12,848
 Average mosquitoes per trap/night: 1,168
 Average Culex per trap/night: 51

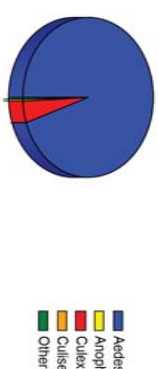
Species collected and abundance:

Aedes (Oz.) dorsalis 410 3.2%
Aedes (Oz.) hendersoni 3 0.0%
Aedes (Oz.) incertus 357 2.8%
Aedes (Oz.) medionem 399 3.1%
Aedes (Oz.) nigromaculis 2 0.0%
Aedes (Oz.) trivittatus 73 0.6%
Aedes vexans 10943 85.2%
Aedes/Ochlerotatus spp 2 0.0%
Copulicladia perturbans 46 0.4%
Culex pipiens 20 0.2%
Culex tarsalis 543 4.2%
Culiseta inornata 50 0.4%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	12,221	95.1%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	563	4.4%
<i>Culiseta</i>	50	0.4%
Other	46	0.4%



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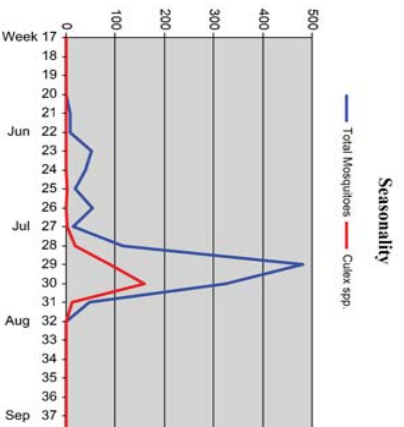
FC-038: Lockside Lane

Season: 2011
 Trap Type: Light/CO2
 Location: Lockside Lane and Glenlock Drive
 GPS: N40° 35.940', W105° 0.425'

Total number of trap/nights set: 10
 Total number of mosquitoes collected: 1,156
 Average mosquitoes per trap/night: 116
 Average Culex per trap/night: 28

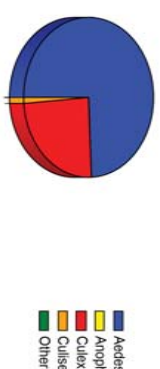
Species collected and abundance:

Aedes (Oz.) dorsalis 475 41.1%
Aedes (Oz.) incertus 4 0.3%
Aedes (Oz.) medionem 6 0.5%
Aedes (Oz.) nigromaculis 10 0.9%
Aedes (Oz.) trivittatus 2 0.2%
Aedes vexans 360 31.1%
Culex pipiens 3 0.3%
Culex tarsalis 282 24.4%
Culiseta inornata 14 1.2%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	865	74.8%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	285	24.7%
<i>Culiseta</i>	14	1.2%
Other	0	0.0%



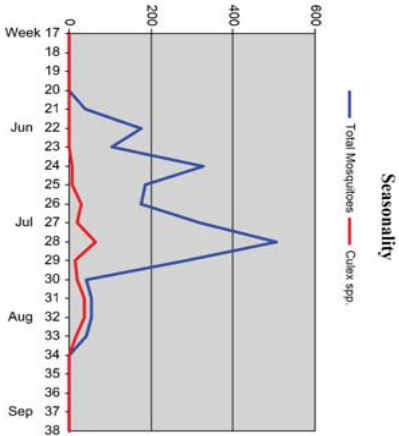
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FC-039: Fossil Creek South (Greenstone)

Season: 2011
Trap Type: Light/CO2
Location: Timberline and Cy Rd 32 in Fossil Creek FCNA
GPS: N40° 28.845', W105° 2.350'

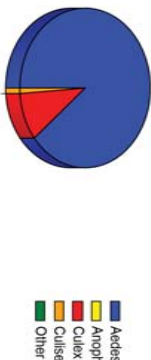
Total number of trap/nights set: 12
Total number of mosquitoes collected: 2,253
Average mosquitoes per trap/night: 188
Average Culex per trap/night: 18

Species collected and abundance:
Aedes (Oe.) dorsalis 922 40.9%
Aedes (Oe.) triseriatus 11 0.5%
Aedes (Oe.) indomitus 87 3.9%
Aedes (Oe.) nigromaculis 7 0.3%
Aedes vexans 982 43.6%
Aedes (Ochlerotatus) spp 1 0.0%
Culex pipiens 6 0.3%
Culex tarsalis 212 9.4%
Culiseta inornata 25 1.1%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	2,010	89.2 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	218	9.7 %
<i>Culiseta</i>	25	1.1 %
Other	0	0.0 %



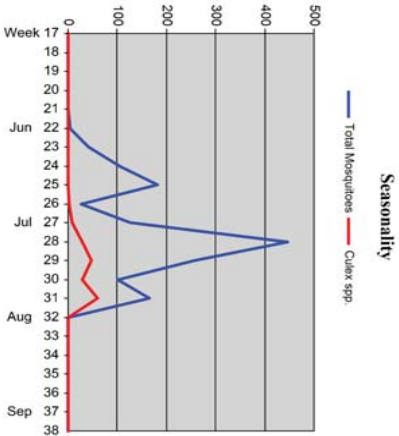
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FC-041: Fishback

Season: 2011
Trap Type: Light/CO2
Location: Fishback and Richards Place Alley
GPS: N40° 35.270', W105° 6.290'

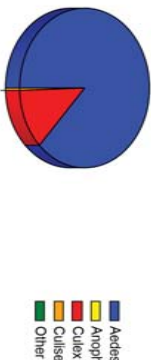
Total number of trap/nights set: 11
Total number of mosquitoes collected: 1,461
Average mosquitoes per trap/night: 133
Average Culex per trap/night: 16

Species collected and abundance:
Aedes (Oe.) dorsalis 15 1.0%
Aedes (Oe.) hendersoni 10 0.7%
Aedes (Oe.) triseriatus 53 3.6%
Aedes (Oe.) indomitus 54 3.7%
Aedes (Oe.) pyreticus 10 0.7%
Aedes vexans 1133 77.5%
Culex pipiens 46 3.1%
Culex tarsalis 133 9.1%
Culiseta inornata 7 0.5%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	1,275	87.3 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	179	12.3 %
<i>Culiseta</i>	7	0.5 %
Other	0	0.0 %



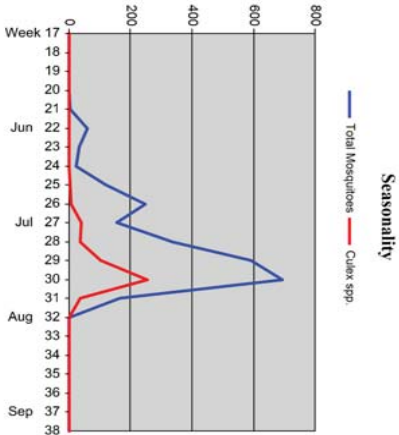
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FC-040: Redwood

Season: 2011
Trap Type: Light/CO2
Location: Redwood and Conifer at Electrical Post
GPS: N40° 36.185', W105° 4.025'

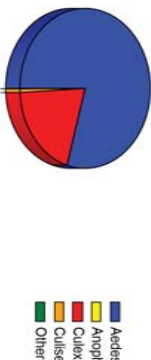
Total number of trap/nights set: 11
Total number of mosquitoes collected: 2,437
Average mosquitoes per trap/night: 222
Average Culex per trap/night: 44

Species collected and abundance:
Aedes (Oe.) dorsalis 564 23.1%
Aedes (Oe.) triseriatus 10 0.4%
Aedes (Oe.) indomitus 146 6.0%
Aedes (Oe.) nigromaculis 4 0.2%
Aedes (Oe.) pyreticus 7 0.3%
Aedes vexans 1202 49.3%
Aedes/Ochlerotatus spp 4 0.2%
Cogitellus peritarsus 1 0.0%
Culex pipiens 129 5.3%
Culex tarsalis 351 14.4%
Culiseta inornata 18 0.7%
Psorophora ferox 1 0.0%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	1,937	79.5 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	480	19.7 %
<i>Culiseta</i>	18	0.7 %
Other	2	0.1 %



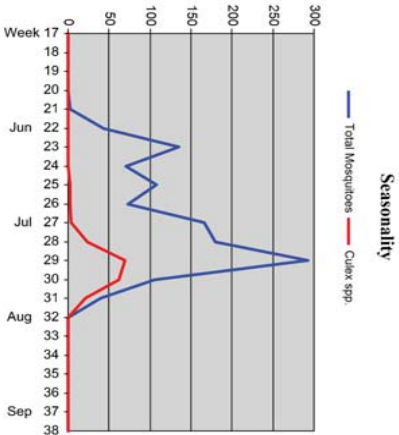
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FC-046: 725 Westshore Court

Season: 2011
Trap Type: Light/CO2
Location: 725 Westshore Court
GPS: N40° 31.775', W105° 3.910'

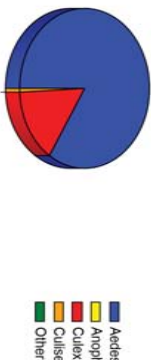
Total number of trap/nights set: 12
Total number of mosquitoes collected: 1,215
Average mosquitoes per trap/night: 101
Average Culex per trap/night: 15

Species collected and abundance:
Aedes (Oe.) dorsalis 51 4.2%
Aedes (Oe.) triseriatus 52 4.3%
Aedes (Oe.) indomitus 14 1.2%
Aedes (Oe.) pyreticus 1 0.1%
Aedes vexans 904 74.4%
Culex pipiens 8 0.7%
Culex tarsalis 176 14.5%
Culiseta inornata 9 0.7%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	1,022	84.1 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	184	15.1 %
<i>Culiseta</i>	9	0.7 %
Other	0	0.0 %



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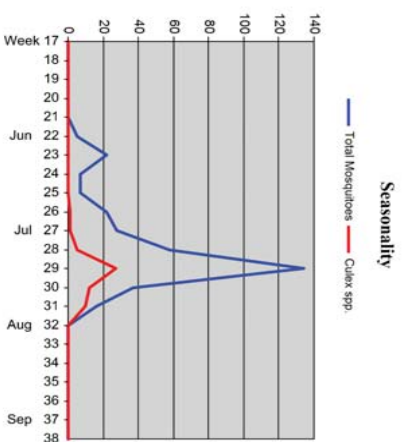
FC-047: Keenland & Twin Oak

Season: 2011
 Trap Type: Light/CO2
 Location: at detention basin off of Keenland and Twin Oak
 GPS: N40° 30.900', W105° 3.170'

Total number of trap/nights set: 10
 Total number of mosquitoes collected: 336
 Average mosquitoes per trap/night: 34
 Average Culex per trap/night: 6

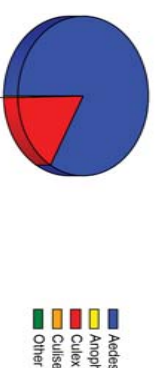
Species collected and abundance:

<i>Aedes (Oc.) dorsalis</i>	22	6.5%
<i>Aedes (Oc.) inermis</i>	4	1.2%
<i>Aedes vexans</i>	254	75.6%
<i>Culex pipiens</i>	3	0.9%
<i>Culex tarsalis</i>	52	15.5%
<i>Culiseta inornata</i>	1	0.3%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	280	83.3%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	55	16.4%
<i>Culiseta</i>	1	0.3%
Other	0	0.0%



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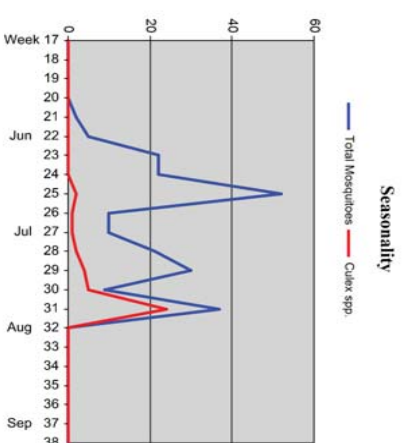
FC-049: Casa Grande and Downing

Season: 2011
 Trap Type: Light/CO2
 Location: along west side of ditch off Downing
 GPS: N40° 32.525', W105° 6.405'

Total number of trap/nights set: 10
 Total number of mosquitoes collected: 198
 Average mosquitoes per trap/night: 20
 Average Culex per trap/night: 4

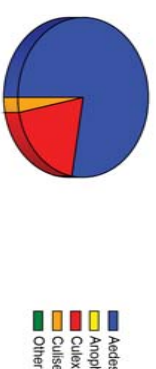
Species collected and abundance:

<i>Aedes (Oc.) dorsalis</i>	3	1.5%
<i>Aedes (Oc.) inermis</i>	14	7.1%
<i>Aedes (Oc.) triseriatus</i>	2	1.0%
<i>Aedes vexans</i>	135	68.2%
<i>Culex pipiens</i>	14	7.1%
<i>Culex tarsalis</i>	24	12.1%
<i>Culiseta inornata</i>	6	3.0%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	154	77.8%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	38	19.2%
<i>Culiseta</i>	6	3.0%
Other	0	0.0%



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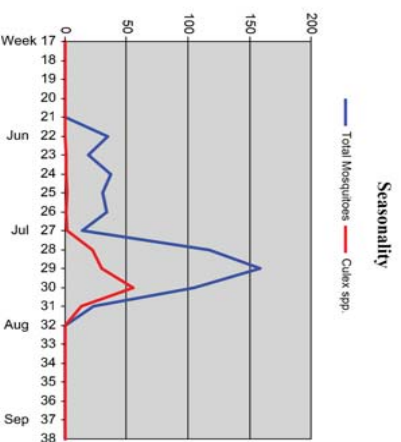
FC-050: Golden Meadows Ditch

Season: 2011
 Trap Type: Light/CO2
 Location: park at 1513 Theondengga along ditch
 GPS: N40° 31.760', W105° 3.040'

Total number of trap/nights set: 10
 Total number of mosquitoes collected: 574
 Average mosquitoes per trap/night: 57
 Average Culex per trap/night: 13

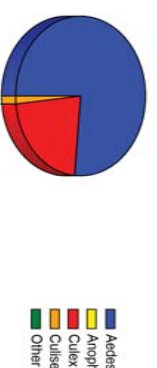
Species collected and abundance:

<i>Aedes (Oc.) dorsalis</i>	18	3.1%
<i>Aedes (Oc.) inermis</i>	10	1.7%
<i>Aedes (Oc.) triseriatus</i>	1	0.2%
<i>Aedes vexans</i>	409	71.3%
<i>Culex pipiens</i>	3	0.5%
<i>Culex tarsalis</i>	123	21.4%
<i>Culiseta inornata</i>	9	1.6%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	439	76.5%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	126	22.0%
<i>Culiseta</i>	9	1.6%
Other	0	0.0%



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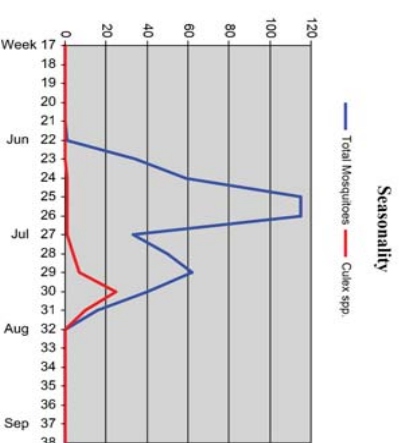
FC-052: 603 Gilgalad Way

Season: 2011
 Trap Type: Light/CO2
 Location: 603 Gilgalad Way
 GPS: N40° 33.695', W105° 5.210'

Total number of trap/nights set: 10
 Total number of mosquitoes collected: 410
 Average mosquitoes per trap/night: 41
 Average Culex per trap/night: 5

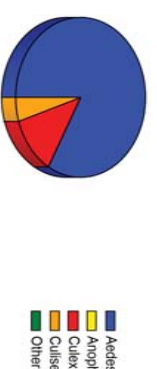
Species collected and abundance:

<i>Aedes (Oc.) dorsalis</i>	10	2.4%
<i>Aedes (Oc.) inermis</i>	18	4.4%
<i>Aedes (Oc.) triseriatus</i>	4	1.0%
<i>Aedes vexans</i>	3	0.7%
<i>Aedes/Ochlerotatus spp.</i>	295	72.0%
<i>Culex pipiens</i>	11	2.7%
<i>Culex tarsalis</i>	6	1.5%
<i>Culiseta inornata</i>	43	10.5%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	343	83.7%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	49	12.0%
<i>Culiseta</i>	20	4.9%
Other	0	0.0%



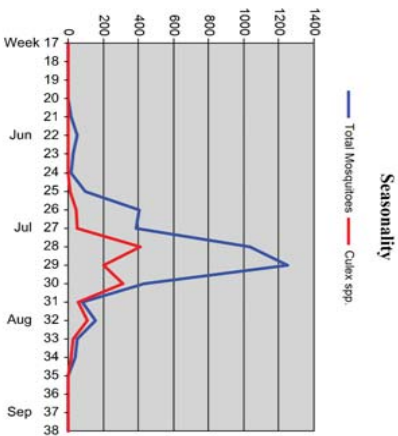
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FC-053: Egret and Rookery

Season: 2011
Trap Type: Light/CO2
Location: 3480 Egret Lane
GPS: N40° 29.880', W105° 0.685'

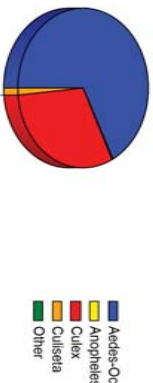
Total number of trap/nights set: 19
Total number of mosquitoes collected: 4,052
Average mosquitoes per trap/night: 213
Average Culex per trap/night: 66

Species collected and abundance:
Aedes (Oz.) dorsalis 229 5.7 %
Aedes (Oz.) triseriatus 67 1.7 %
Aedes (Oz.) indanum 79 1.9 %
Aedes (Oz.) nigromaculis 13 0.3 %
Aedes vexans 2345 57.9 %
Anopheles hernesi 9 0.2 %
Culex pipiens 32 0.8 %
Culex tarsalis 8 0.2 %
Culiseta inornata 1213 29.9 %
Culiseta inornata 57 1.4 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	2,733	67.4 %
<i>Anopheles</i>	9	0.2 %
<i>Culex</i>	1,253	30.9 %
<i>Culiseta</i>	57	1.4 %
Other	0	0.0 %



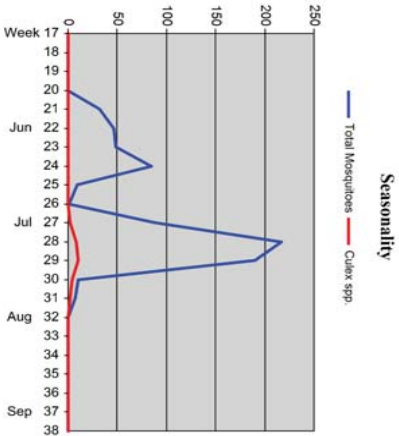
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FC-057: Registry Ridge- End of Ranger Dr

Season: 2011
Trap Type: Light/CO2
Location: between 7262 and 7256 at drainage to open space
GPS: N40° 29.055', W105° 6.300'

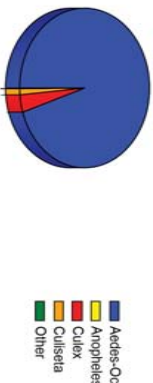
Total number of trap/nights set: 11
Total number of mosquitoes collected: 735
Average mosquitoes per trap/night: 67
Average Culex per trap/night: 2

Species collected and abundance:
Aedes (Oz.) dorsalis 602 81.9 %
Aedes (Oz.) hendersoni 1 0.1 %
Aedes (Oz.) nigromaculis 4 0.5 %
Aedes vexans 92 12.5 %
Culex pipiens 3 0.4 %
Culex tarsalis 23 3.1 %
Culiseta inornata 9 1.2 %
Psorophora signipennis 1 0.1 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	699	95.1 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	26	3.5 %
<i>Culiseta</i>	9	1.2 %
Other	1	0.1 %



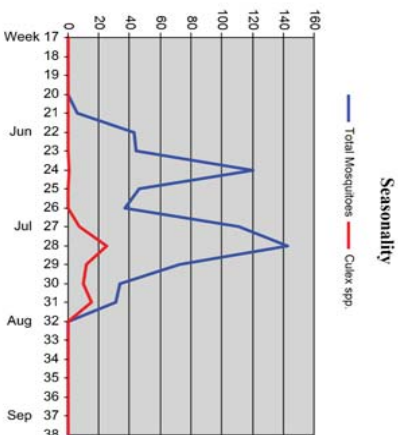
©2008 Colorado Mosquito Control, Inc.

FC-054: 737 Parliament Court

Season: 2011
Trap Type: Light/CO2
Location: behind 737 along drainage ditch
GPS: N40° 30.030', W105° 3.815'

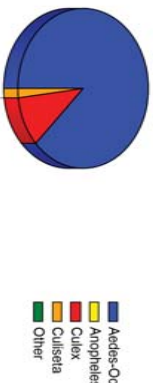
Total number of trap/nights set: 11
Total number of mosquitoes collected: 688
Average mosquitoes per trap/night: 63
Average Culex per trap/night: 6

Species collected and abundance:
Aedes (Oz.) dorsalis 82 11.9 %
Aedes (Oz.) triseriatus 9 1.3 %
Aedes (Oz.) indanum 1 0.1 %
Aedes (Oz.) nigromaculis 1 0.1 %
Aedes vexans 512 74.4 %
Culex pipiens 5 0.7 %
Culex tarsalis 65 9.4 %
Culiseta inornata 13 1.9 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	605	87.9 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	70	10.2 %
<i>Culiseta</i>	13	1.9 %
Other	0	0.0 %



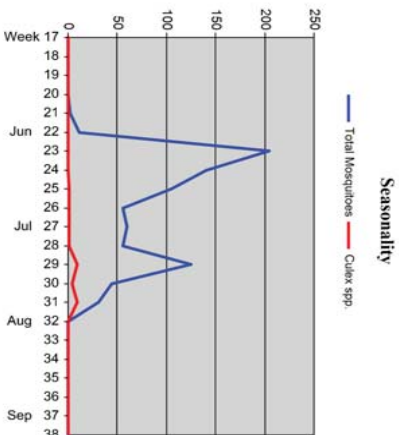
©2008 Colorado Mosquito Control, Inc.

FC-058: Spring Creek Trail @ Michener Dr

Season: 2011
Trap Type: Light/CO2
Location: Spring Creek Trail at Michener Drive
GPS: N40° 32.925', W105° 7.540'

Total number of trap/nights set: 11
Total number of mosquitoes collected: 834
Average mosquitoes per trap/night: 76
Average Culex per trap/night: 2

Species collected and abundance:
Aedes (Oz.) dorsalis 12 1.4 %
Aedes (Oz.) triseriatus 183 21.9 %
Aedes (Oz.) indanum 9 1.1 %
Aedes vexans 598 71.7 %
Aedes/Ochlerotatus spp 1 0.1 %
Culex pipiens 5 0.6 %
Culex tarsalis 20 2.4 %
Culiseta inornata 6 0.7 %



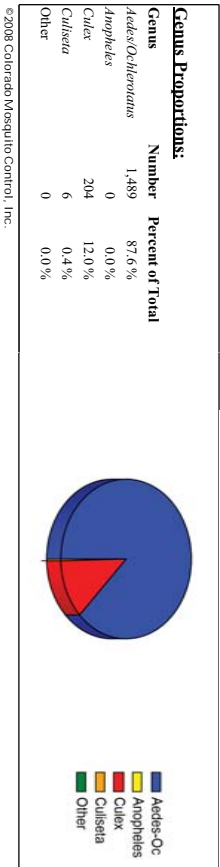
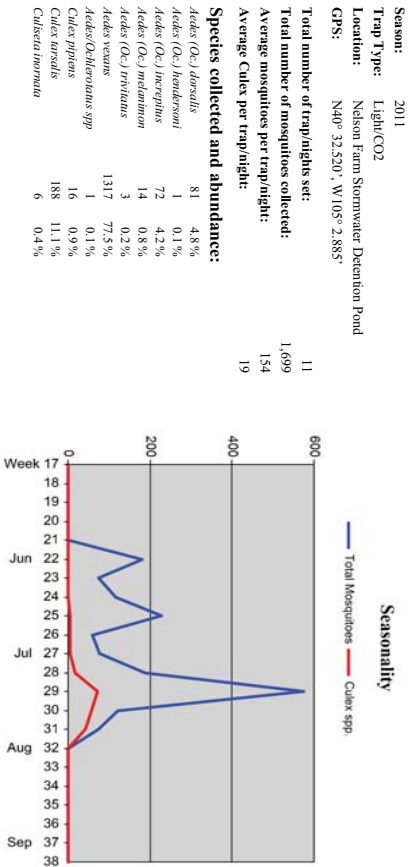
Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	803	96.3 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	25	3.0 %
<i>Culiseta</i>	6	0.7 %
Other	0	0.0 %

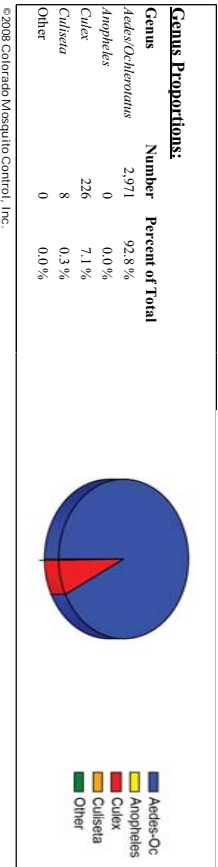
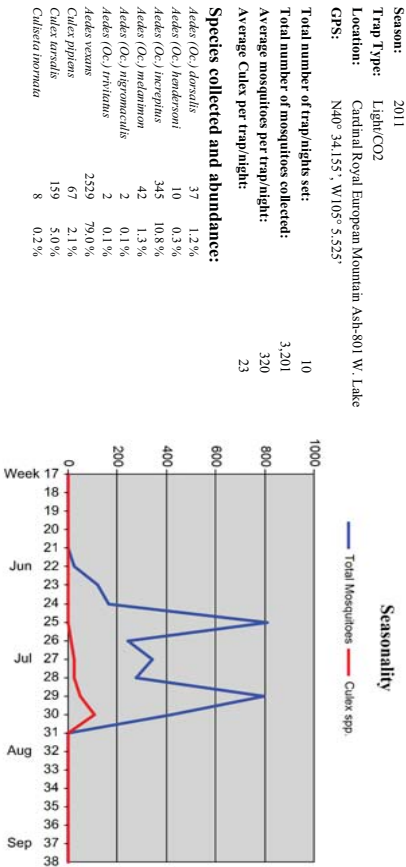


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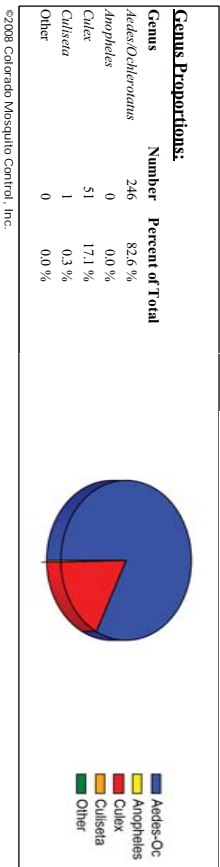
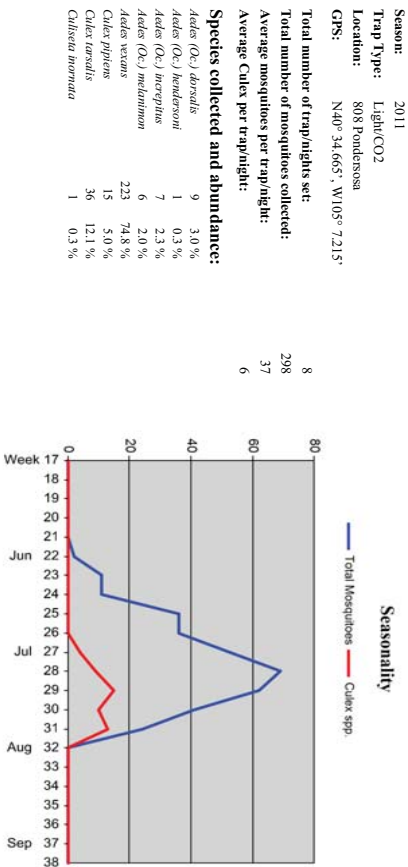
FC-059: Springwood and Lockwood



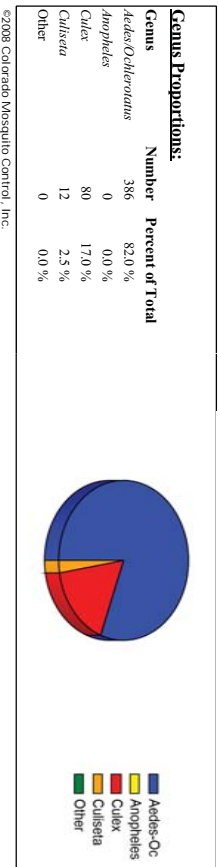
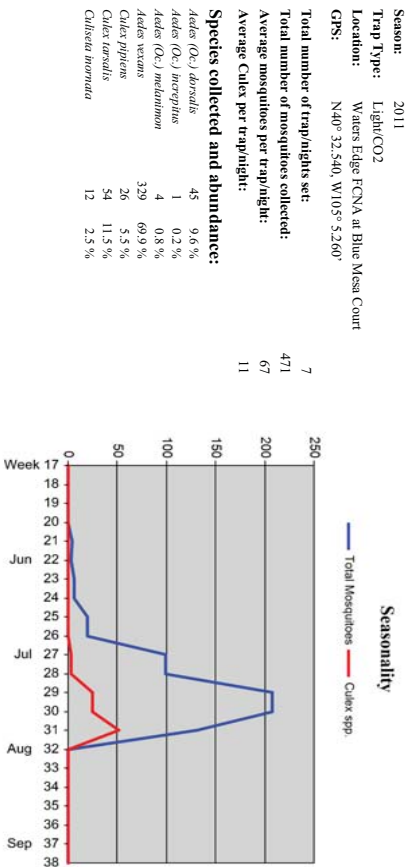
FC-061: Holley Environ. Plant Research Ctr



FC-060: 808 Pondersosa



FC-062: Waters Edge at Blue Mesa



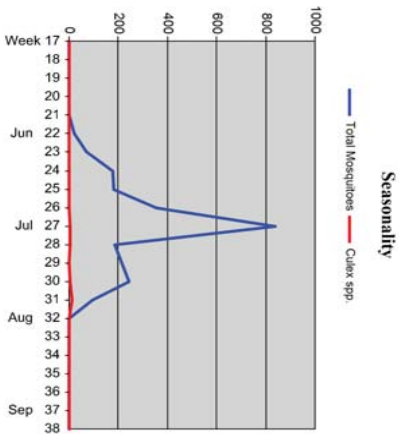
FC-063: Red Fox Meadows FCNA

Season: 2011
Trap Type: Light/CO2
Location: Red Fox Meadows FCNA @ Heatheridge Apartment
GPS: N40° 33.915', W105° 6.290'

Total number of trap/nights set: 12
Total number of mosquitoes collected: 2,378
Average mosquitoes per trap/night: 198
Average Culex per trap/night: 2

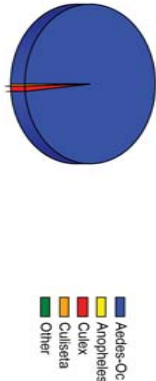
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	14	0.6 %
<i>Aedes (Oz.) hendersoni</i>	2	0.1 %
<i>Aedes (Oz.) triseriatus</i>	60	2.5 %
<i>Aedes (Oz.) medionum</i>	9	0.4 %
<i>Aedes (Oz.) triseriatus</i>	9	0.4 %
<i>Aedes vexans</i>	2247	94.5 %
<i>Aedes Ochlerotatus spp</i>	2	0.1 %
<i>Culex pipiens</i>	5	0.2 %
<i>Culex tarsalis</i>	20	0.8 %
<i>Culiseta inornata</i>	10	0.4 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	2,343	98.5 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	25	1.1 %
<i>Culiseta</i>	10	0.4 %
Other	0	0.0 %



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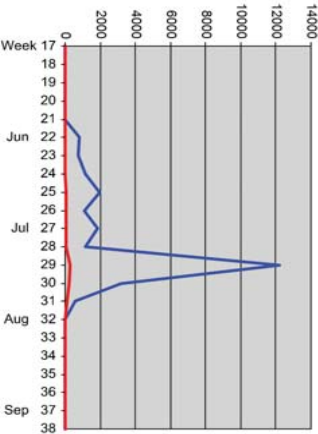
FC-066: Prospect Ponds @ Drake Water

Season: 2011
Trap Type: Light/CO2
Location: Prospect Ponds @ Drake Water Reclamation Facility
GPS: N40° 33.520', W105° 1.360'

Total number of trap/nights set: 10
Total number of mosquitoes collected: 24,803
Average mosquitoes per trap/night: 2,480
Average Culex per trap/night: 84

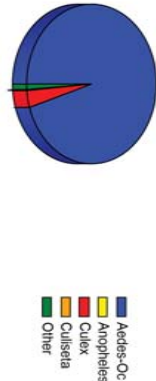
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	1016	4.1 %
<i>Aedes (Oz.) hendersoni</i>	762	3.1 %
<i>Aedes (Oz.) medionum</i>	1108	4.5 %
<i>Aedes (Oz.) nigromaculis</i>	1	0.0 %
<i>Aedes (Oz.) triseriatus</i>	45	0.2 %
<i>Aedes vexans</i>	20690	83.4 %
<i>Anopheles hernesi</i>	9	0.0 %
<i>Copulicinctus perturbans</i>	274	1.1 %
<i>Culex pipiens</i>	79	0.3 %
<i>Culex tarsalis</i>	765	3.1 %
<i>Culiseta inornata</i>	54	0.2 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	23,622	95.2 %
<i>Anopheles</i>	9	0.0 %
<i>Culex</i>	844	3.4 %
<i>Culiseta</i>	54	0.2 %
Other	274	1.1 %



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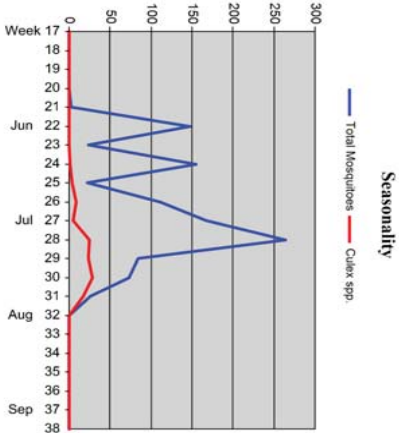
FC-064: West Chase @ Kechter Farm

Season: 2011
Trap Type: Light/CO2
Location: Dead end at East Trilby
GPS: N40° 29.905', W105° 1.795'

Total number of trap/nights set: 11
Total number of mosquitoes collected: 1,077
Average mosquitoes per trap/night: 98
Average Culex per trap/night: 10

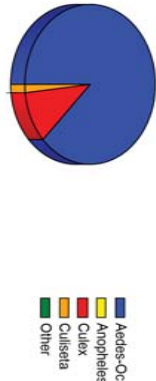
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	293	27.2 %
<i>Aedes (Oz.) hendersoni</i>	2	0.2 %
<i>Aedes (Oz.) medionum</i>	9	0.8 %
<i>Aedes (Oz.) nigromaculis</i>	2	0.2 %
<i>Aedes vexans</i>	640	59.4 %
<i>Culex pipiens</i>	2	0.2 %
<i>Culex tarsalis</i>	111	10.3 %
<i>Culiseta inornata</i>	18	1.7 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	949	88.1 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	113	10.5 %
<i>Culiseta</i>	18	1.7 %
Other	0	0.0 %



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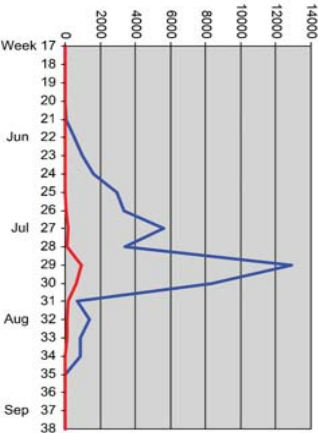
FC-067: Poudre River Drive at bike trail

Season: 2011
Trap Type: Light/CO2
Location: Lemay and Poudre River Drive East of Dps office
GPS: N40° 34.740', W105° 3.335'

Total number of trap/nights set: 19
Total number of mosquitoes collected: 43,492
Average mosquitoes per trap/night: 2,289
Average Culex per trap/night: 127

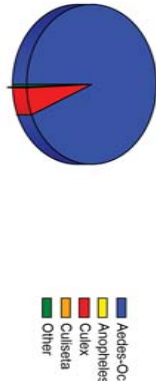
Species collected and abundance:

<i>Aedes (Oz.) dorsalis</i>	646	1.5 %
<i>Aedes (Oz.) hendersoni</i>	3	0.0 %
<i>Aedes (Oz.) hendersoni</i>	13591	31.2 %
<i>Aedes (Oz.) medionum</i>	783	1.8 %
<i>Aedes (Oz.) nigromaculis</i>	118	0.3 %
<i>Aedes (Oz.) triseriatus</i>	277	0.6 %
<i>Aedes vexans</i>	23570	58.3 %
<i>Anopheles hernesi</i>	1	0.0 %
<i>Copulicinctus perturbans</i>	205	0.5 %
<i>Culex pipiens</i>	594	1.4 %
<i>Culex tarsalis</i>	1816	4.2 %
<i>Culiseta inornata</i>	88	0.2 %



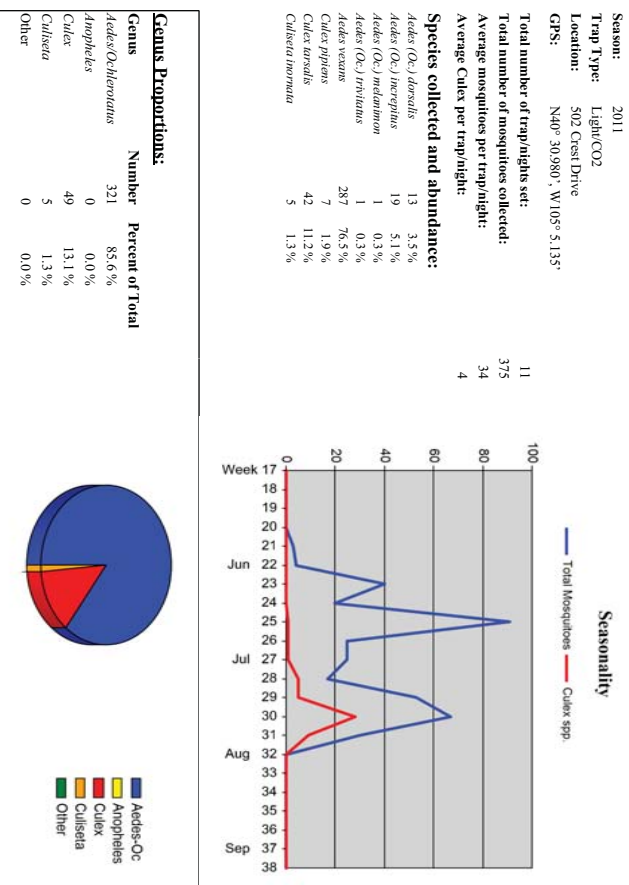
Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	40,788	93.8 %
<i>Anopheles</i>	1	0.0 %
<i>Culex</i>	2,410	5.5 %
<i>Culiseta</i>	88	0.2 %
Other	205	0.5 %



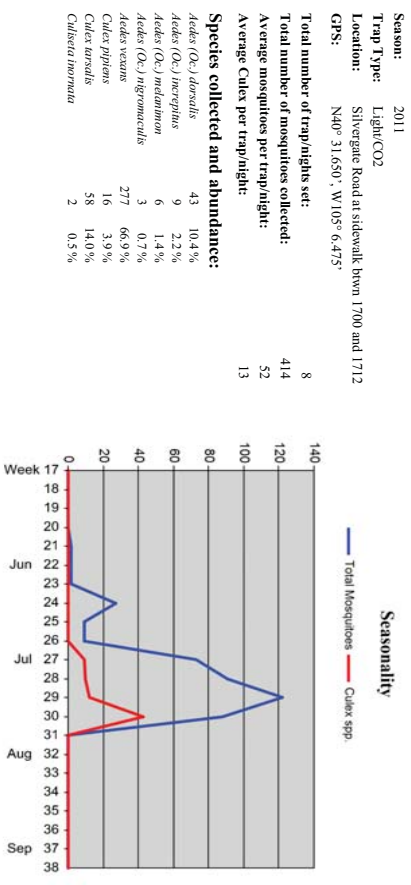
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FC-068: 502 Crest Drive



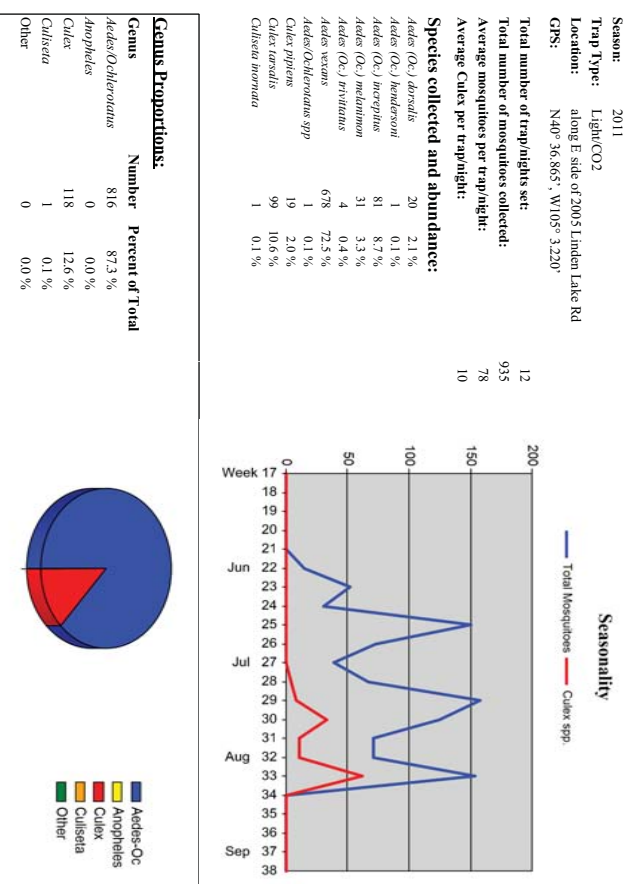
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FC-071: Silvergate Road



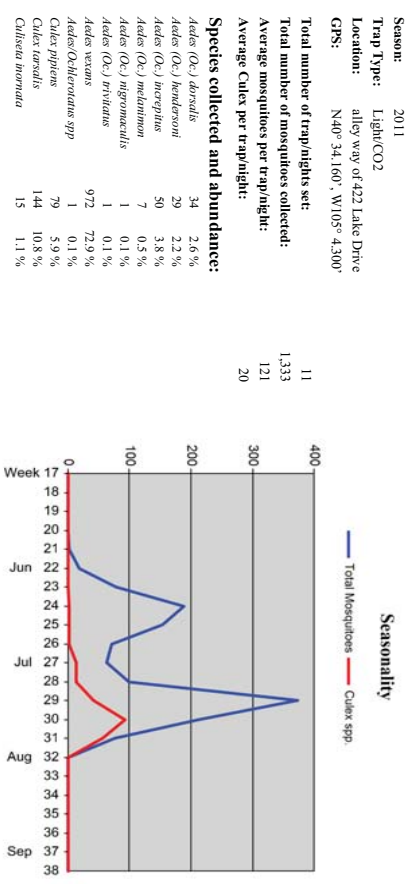
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FC-069: Lindenwood HOA



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FC-072: 422 Lake Drive Alley



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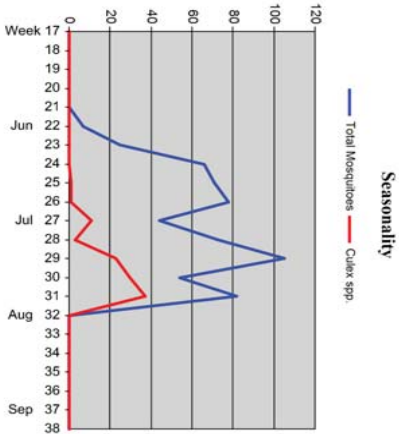
FC-073: 118 Grant

Season: 2011
Trap Type: Light/CO2
Location: In alley betw Oak and Mountain near green shed
GPS: N40° 35.185 W105° 5.335

Total number of trap/nights set: 11
Total number of mosquitoes collected: 605
Average mosquitoes per trap/night: 55
Average Culex per trap/night: 10

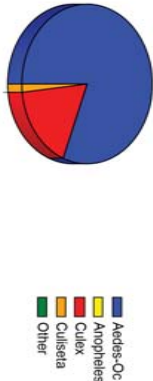
Species collected and abundance:

<i>Aedes (Oc.) dorsalis</i>	30	5.0 %
<i>Aedes (Oc.) hendersoni</i>	14	2.3 %
<i>Aedes (Oc.) incertopus</i>	11	1.8 %
<i>Aedes (Oc.) medannian</i>	9	1.5 %
<i>Aedes (Oc.) trivittatus</i>	1	0.2 %
<i>Aedes vexans</i>	425	70.2 %
<i>Culex pipiens</i>	40	6.6 %
<i>Culex tarsalis</i>	65	10.7 %
<i>Culiseta inornata</i>	10	1.7 %



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	490	81.0 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	105	17.4 %
<i>Culiseta</i>	10	1.7 %
Other	0	0.0 %



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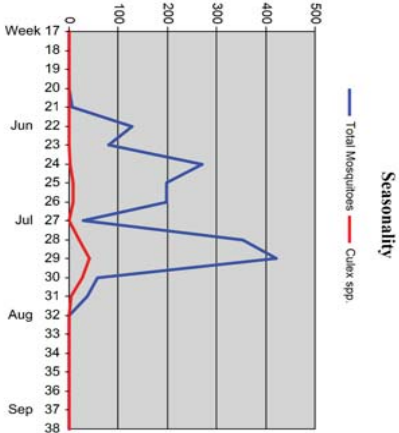
FC-074: Rockcreek

Season: 2011
Trap Type: Light/CO2
Location: In trees east of detention basin on Rockcreek
GPS: N40° 30.855' W105° 0.190'

Total number of trap/nights set: 10
Total number of mosquitoes collected: 1,582
Average mosquitoes per trap/night: 158
Average Culex per trap/night: 11

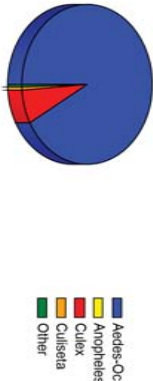
Species collected and abundance:

<i>Aedes (Oc.) dorsalis</i>	846	53.5 %
<i>Aedes (Oc.) hendersoni</i>	3	0.2 %
<i>Aedes (Oc.) incertopus</i>	1	0.1 %
<i>Aedes (Oc.) medannian</i>	52	3.3 %
<i>Aedes (Oc.) nigromaculis</i>	13	0.8 %
<i>Aedes (Oc.) trivittatus</i>	1	0.1 %
<i>Aedes vexans</i>	540	34.1 %
<i>Culex pipiens</i>	1	0.1 %
<i>Culex tarsalis</i>	107	6.8 %
<i>Culiseta inornata</i>	10	0.6 %
<i>Psorophora fuscipennis</i>	8	0.5 %



Genus Proportions:

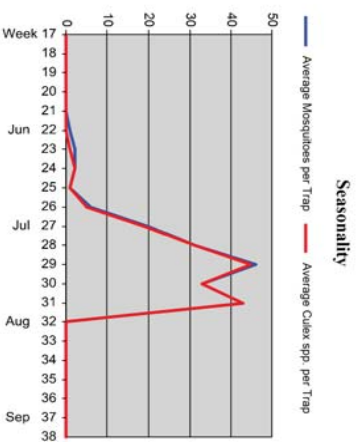
Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	1,457	92.1 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	108	6.8 %
<i>Culiseta</i>	10	0.6 %
Other	8	0.5 %



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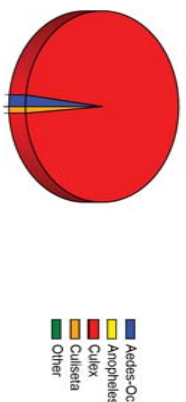
2011 Fort Collins CDC Gravid Trap Composite Data

Total number of trap/nights set:	48
Total number of mosquitoes collected:	922
Average mosquitoes per trap/night:	19
Average Culex per trap/night:	19
Species collected and abundance:	
<i>Aedes (Oc.) dorsalis</i>	1 0.1%
<i>Aedes (Oc.) triseriatus</i>	1 0.1%
<i>Aedes vexans</i>	16 1.7%
<i>Culex pipiens</i>	873 94.7%
<i>Culex tarsalis</i>	21 2.3%
<i>Culiseta inornata</i>	10 1.1%



Genus proportions:

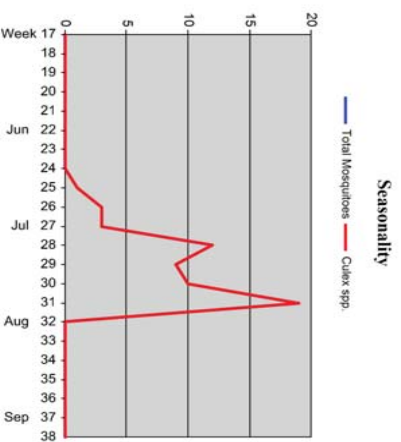
Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	18	2.0%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	894	97.0%
<i>Culiseta</i>	10	1.1%
Other	0	0.0%



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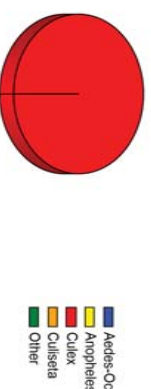
FC-033gr: Sage Creek Gravid

Season:	2011
Trap Type:	5237 Zeigler
Location:	
GPS:	N40° 30.805', W105° 1.210'
Total number of trap/nights set:	
Total number of mosquitoes collected:	10
Average mosquitoes per trap/night:	54
Average Culex per trap/night:	5
Species collected and abundance:	
<i>Culex pipiens</i>	34 63.0%
<i>Culex tarsalis</i>	20 37.0%



Genus Proportions:

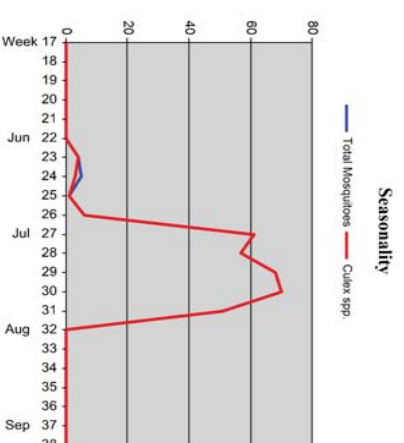
Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	0	0.0%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	54	100.0%
<i>Culiseta</i>	0	0.0%
Other	0	0.0%



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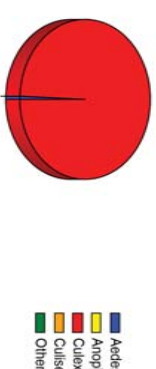
FC-029gr: Bens Park

Season:	2011
Trap Type:	Fossil Ridge Park on Fossil Creek Parkway
Location:	
GPS:	N40° 30.680', W105° 4.310'
Total number of trap/nights set:	
Total number of mosquitoes collected:	9
Average mosquitoes per trap/night:	323
Average Culex per trap/night:	36
Species collected and abundance:	
<i>Aedes vexans</i>	2 0.6%
<i>Culex pipiens</i>	321 99.4%



Genus Proportions:

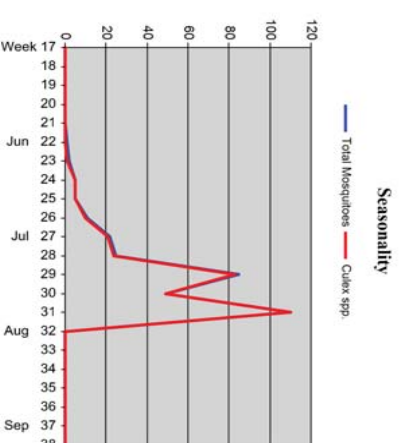
Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	2	0.6%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	321	99.4%
<i>Culiseta</i>	0	0.0%
Other	0	0.0%



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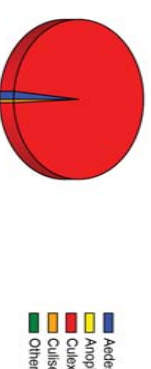
FC-040gr: Redwood

Season:	2011
Trap Type:	Redwood and Conifer at Electrical Post
Location:	
GPS:	N40° 36.185', W105° 4.025'
Total number of trap/nights set:	
Total number of mosquitoes collected:	10
Average mosquitoes per trap/night:	310
Average Culex per trap/night:	31
Species collected and abundance:	
<i>Aedes (Oc.) dorsalis</i>	1 0.3%
<i>Aedes vexans</i>	4 1.3%
<i>Culex pipiens</i>	302 97.4%
<i>Culex tarsalis</i>	1 0.3%
<i>Culiseta inornata</i>	2 0.6%



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	5	1.6%
<i>Anopheles</i>	0	0.0%
<i>Culex</i>	303	97.7%
<i>Culiseta</i>	2	0.6%
Other	0	0.0%



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FC-063gr: Red Fox Meadows FCNA

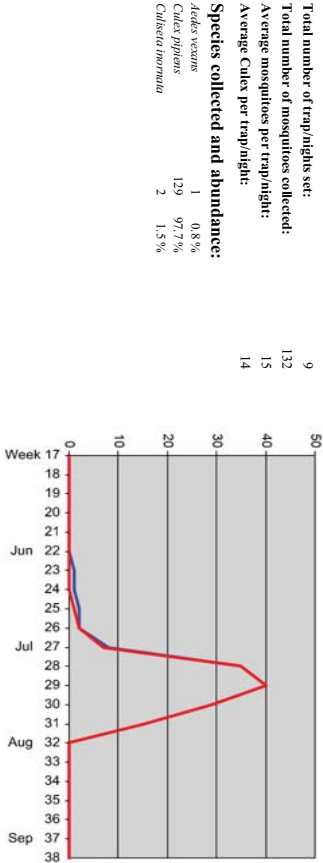
Season: 2011

Trap Type:

Location: Red Fox Meadows FCNA @ Heatheridge Apartment

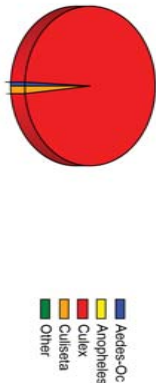
GPB: N40° 33.915', W105° 6.290'

Seasonality



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	1	0.8 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	129	97.7 %
<i>Culiseta</i>	2	1.5 %
Other	0	0.0 %



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FC-066gr: Prospect Ponds @ Drake Water

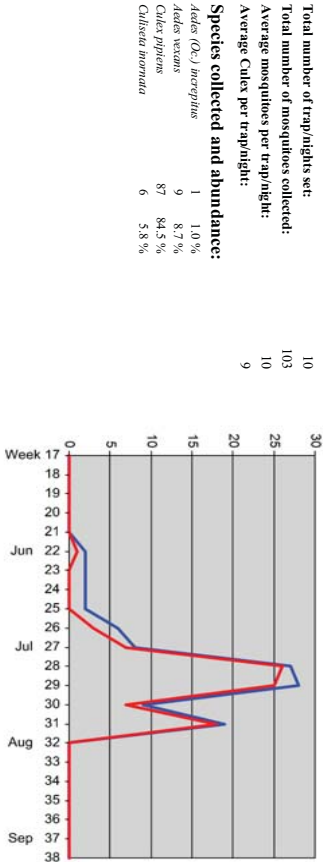
Season: 2011

Trap Type:

Location: Prospect Ponds @ Drake Water Reclamation Facility

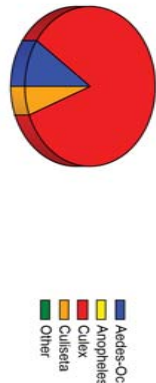
GPB: N40° 33.520', W105° 1.360'

Seasonality



Genus Proportions:

Genus	Number	Percent of Total
<i>Aedes/Ochlerotatus</i>	10	9.7 %
<i>Anopheles</i>	0	0.0 %
<i>Culex</i>	87	84.5 %
<i>Culiseta</i>	6	5.8 %
Other	0	0.0 %



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Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-001	LIGHT	Larimer	06/03/2011	Magic Carpet	33	0	0	0	0	33
FC-001	LIGHT	Larimer	06/10/2011	Magic Carpet	10	0	0	0	0	10
FC-001	LIGHT	Larimer	06/17/2011	Magic Carpet	9	0	0	0	0	9
FC-001	LIGHT	Larimer	07/01/2011	Magic Carpet	5	0	0	0	0	5
FC-001	LIGHT	Larimer	07/15/2011	Magic Carpet	49	0	4	0	0	53
FC-001	LIGHT	Larimer	07/22/2011	Magic Carpet	85	0	15	0	0	100
FC-001	LIGHT	Larimer	07/29/2011	Magic Carpet	39	0	11	0	0	50
FC-001	LIGHT	Larimer	08/05/2011	Magic Carpet	0	0	0	0	0	0
FC-001	LIGHT	Larimer	08/12/2011	Magic Carpet	33	0	26	0	0	59
FC-002	LIGHT	Larimer	06/03/2011	3907 Benthaven	2	0	0	1	0	3
FC-002	LIGHT	Larimer	06/10/2011	3907 Benthaven	13	0	0	0	0	13
FC-002	LIGHT	Larimer	06/17/2011	3907 Benthaven	12	0	0	0	0	12
FC-002	LIGHT	Larimer	07/01/2011	3907 Benthaven	19	0	1	1	0	21
FC-002	LIGHT	Larimer	07/15/2011	3907 Benthaven	58	0	3	0	0	61
FC-002	LIGHT	Larimer	07/22/2011	3907 Benthaven	96	0	8	1	0	105
FC-002	LIGHT	Larimer	07/29/2011	3907 Benthaven	70	0	11	1	0	82
FC-002	LIGHT	Larimer	08/05/2011	3907 Benthaven	29	0	9	1	0	39
FC-002	LIGHT	Larimer	08/12/2011	3907 Benthaven	30	0	21	0	0	51
FC-004	LIGHT	Larimer	06/01/2011	Bighorn Drive	0	0	0	0	0	0
FC-004	LIGHT	Larimer	06/07/2011	Bighorn Drive	0	0	0	0	0	0
FC-004	LIGHT	Larimer	06/08/2011	Bighorn Drive	184	0	0	0	0	184
FC-004	LIGHT	Larimer	06/14/2011	Bighorn Drive	0	0	0	0	0	0
FC-004	LIGHT	Larimer	06/15/2011	Bighorn Drive	55	0	1	0	0	56
FC-004	LIGHT	Larimer	06/22/2011	Bighorn Drive	14	0	0	0	0	14
FC-004	LIGHT	Larimer	06/28/2011	Bighorn Drive	100	0	0	0	0	100
FC-004	LIGHT	Larimer	07/06/2011	Bighorn Drive	54	0	3	0	0	57
FC-004	LIGHT	Larimer	07/07/2011	Bighorn Drive	40	0	0	1	0	41
FC-004	LIGHT	Larimer	07/12/2011	Bighorn Drive	0	0	0	0	0	0
FC-004	LIGHT	Larimer	07/13/2011	Bighorn Drive	45	0	3	0	0	48
FC-004	LIGHT	Larimer	07/14/2011	Bighorn Drive	37	0	3	0	0	40
FC-004	LIGHT	Larimer	07/19/2011	Bighorn Drive	46	0	18	0	0	64
FC-004	LIGHT	Larimer	07/20/2011	Bighorn Drive	41	0	6	0	0	47
FC-004	LIGHT	Larimer	07/26/2011	Bighorn Drive	1170	0	49	0	0	1,219
FC-004	LIGHT	Larimer	07/27/2011	Bighorn Drive	1315	0	0	20	0	1,335
FC-004	LIGHT	Larimer	08/02/2011	Bighorn Drive	184	0	21	0	0	205
FC-004	LIGHT	Larimer	08/03/2011	Bighorn Drive	166	0	33	0	0	199
FC-004	LIGHT	Larimer	08/09/2011	Bighorn Drive	60	0	15	0	0	75
FC-004	LIGHT	Larimer	08/16/2011	Bighorn Drive	56	0	11	0	0	67
FC-004	LIGHT	Larimer	08/23/2011	Bighorn Drive	92	0	19	2	0	113
FC-004	LIGHT	Larimer	08/30/2011	Bighorn Drive	32	0	2	0	0	34
FC-006	LIGHT	Larimer	06/01/2011	North Linden	1	0	2	5	0	8
FC-006	LIGHT	Larimer	06/07/2011	North Linden	47	0	0	0	0	47



Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-006	LIGHT	Larimer	06/14/2011	North Linden	168	0	0	1	0	169
FC-006	LIGHT	Larimer	06/22/2011	North Linden	483	0	0	0	0	483
FC-006	LIGHT	Larimer	06/28/2011	North Linden	277	0	7	3	0	287
FC-006	LIGHT	Larimer	07/06/2011	North Linden	449	0	1	2	0	452
FC-006	LIGHT	Larimer	07/12/2011	North Linden	273	2	23	0	0	298
FC-006	LIGHT	Larimer	07/19/2011	North Linden	1356	1	27	4	0	1,388
FC-006	LIGHT	Larimer	07/26/2011	North Linden	1858	2	107	2	0	1,969
FC-006	LIGHT	Larimer	08/02/2011	North Linden	819	0	105	2	1	927
FC-006	LIGHT	Larimer	08/09/2011	North Linden	237	1	59	1	0	298
FC-011	LIGHT	Larimer	06/02/2011	Golden Current	10	0	0	3	0	13
FC-011	LIGHT	Larimer	06/09/2011	Golden Current	21	0	0	0	0	21
FC-011	LIGHT	Larimer	06/16/2011	Golden Current	54	0	0	0	0	54
FC-011	LIGHT	Larimer	06/24/2011	Golden Current	194	0	1	1	0	196
FC-011	LIGHT	Larimer	06/30/2011	Golden Current	306	0	0	3	0	309
FC-011	LIGHT	Larimer	07/08/2011	Golden Current	68	0	3	4	0	75
FC-011	LIGHT	Larimer	07/14/2011	Golden Current	209	0	6	2	0	217
FC-011	LIGHT	Larimer	07/21/2011	Golden Current	171	0	5	0	0	176
FC-011	LIGHT	Larimer	07/28/2011	Golden Current	371	0	8	0	0	379
FC-011	LIGHT	Larimer	08/04/2011	Golden Current	128	0	7	0	0	135
FC-011	LIGHT	Larimer	08/11/2011	Golden Current	67	0	5	1	0	73
FC-014	LIGHT	Larimer	06/01/2011	Fort Collins Vistors Center	4	0	0	2	0	6
FC-014	LIGHT	Larimer	06/07/2011	Fort Collins Vistors Center	25	0	0	0	0	25
FC-014	LIGHT	Larimer	06/14/2011	Fort Collins Vistors Center	47	0	1	0	0	48
FC-014	LIGHT	Larimer	06/22/2011	Fort Collins Vistors Center	41	0	1	0	0	42
FC-014	LIGHT	Larimer	06/28/2011	Fort Collins Vistors Center	129	0	18	2	0	149
FC-014	LIGHT	Larimer	07/06/2011	Fort Collins Vistors Center	102	0	6	1	0	109
FC-014	LIGHT	Larimer	07/07/2011	Fort Collins Vistors Center	59	0	15	0	0	74
FC-014	LIGHT	Larimer	07/12/2011	Fort Collins Vistors Center	62	0	23	1	0	86
FC-014	LIGHT	Larimer	07/13/2011	Fort Collins Vistors Center	50	0	23	6	0	79
FC-014	LIGHT	Larimer	07/19/2011	Fort Collins Vistors Center	104	0	31	0	0	135
FC-014	LIGHT	Larimer	07/20/2011	Fort Collins Vistors Center	160	0	29	6	0	195
FC-014	LIGHT	Larimer	07/26/2011	Fort Collins Vistors Center	1242	0	64	3	0	1,309
FC-014	LIGHT	Larimer	07/27/2011	Fort Collins Vistors Center	574	0	56	3	0	633
FC-014	LIGHT	Larimer	08/02/2011	Fort Collins Vistors Center	6	0	8	0	0	14
FC-014	LIGHT	Larimer	08/03/2011	Fort Collins Vistors Center	5	0	8	0	0	13
FC-014	LIGHT	Larimer	08/09/2011	Fort Collins Vistors Center	6	0	26	0	0	32
FC-014	LIGHT	Larimer	08/16/2011	Fort Collins Vistors Center	23	0	13	0	0	36
FC-014	LIGHT	Larimer	08/23/2011	Fort Collins Vistors Center	7	0	23	0	0	30
FC-014	LIGHT	Larimer	08/30/2011	Fort Collins Vistors Center	2	0	3	0	0	5
FC-015	LIGHT	Larimer	06/03/2011	Stuart and Dorset	0	0	0	0	0	0
FC-015	LIGHT	Larimer	06/09/2011	Stuart and Dorset	2	0	0	0	0	2
FC-015	LIGHT	Larimer	06/16/2011	Stuart and Dorset	39	0	0	0	0	39



Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-015	LIGHT	Larimer	06/30/2011	Stuart and Dorset	83	0	1	2	0	86
FC-015	LIGHT	Larimer	07/14/2011	Stuart and Dorset	49	0	4	0	0	53
FC-015	LIGHT	Larimer	07/21/2011	Stuart and Dorset	73	0	4	0	0	77
FC-015	LIGHT	Larimer	07/28/2011	Stuart and Dorset	37	0	10	0	0	47
FC-015	LIGHT	Larimer	08/04/2011	Stuart and Dorset	15	0	7	0	0	22
FC-015	LIGHT	Larimer	08/11/2011	Stuart and Dorset	23	0	20	1	0	44
FC-019	LIGHT	Larimer	06/01/2011	Edora Park	0	0	0	3	0	3
FC-019	LIGHT	Larimer	06/07/2011	Edora Park	57	0	0	2	0	59
FC-019	LIGHT	Larimer	06/14/2011	Edora Park	134	0	0	3	0	137
FC-019	LIGHT	Larimer	06/22/2011	Edora Park	252	0	0	4	0	256
FC-019	LIGHT	Larimer	06/28/2011	Edora Park	543	0	6	10	0	559
FC-019	LIGHT	Larimer	07/06/2011	Edora Park	199	0	10	2	0	211
FC-019	LIGHT	Larimer	07/12/2011	Edora Park	76	0	16	3	0	95
FC-019	LIGHT	Larimer	07/19/2011	Edora Park	201	0	53	7	0	261
FC-019	LIGHT	Larimer	07/26/2011	Edora Park	554	0	103	6	0	663
FC-019	LIGHT	Larimer	08/02/2011	Edora Park	201	0	193	1	0	395
FC-019	LIGHT	Larimer	08/09/2011	Edora Park	74	0	83	7	0	164
FC-023	LIGHT	Larimer	06/02/2011	Boltz	0	0	0	1	0	1
FC-023	LIGHT	Larimer	06/08/2011	Boltz	24	0	0	1	0	25
FC-023	LIGHT	Larimer	06/15/2011	Boltz	52	0	0	0	0	52
FC-023	LIGHT	Larimer	06/23/2011	Boltz	142	0	0	4	0	146
FC-023	LIGHT	Larimer	06/29/2011	Boltz	76	0	6	4	0	86
FC-023	LIGHT	Larimer	07/07/2011	Boltz	54	0	2	0	0	56
FC-023	LIGHT	Larimer	07/13/2011	Boltz	31	0	2	1	0	34
FC-023	LIGHT	Larimer	07/20/2011	Boltz	118	0	10	3	0	131
FC-023	LIGHT	Larimer	07/27/2011	Boltz	380	0	27	1	0	408
FC-023	LIGHT	Larimer	08/03/2011	Boltz	43	0	62	0	0	105
FC-023	LIGHT	Larimer	08/10/2011	Boltz	41	0	22	2	0	65
FC-027	LIGHT	Larimer	06/02/2011	San Luis	2	0	0	0	0	2
FC-027	LIGHT	Larimer	06/08/2011	San Luis	435	0	0	0	0	435
FC-027	LIGHT	Larimer	06/15/2011	San Luis	104	0	3	1	0	108
FC-027	LIGHT	Larimer	06/23/2011	San Luis	356	0	1	2	0	359
FC-027	LIGHT	Larimer	06/24/2011	San Luis	39	0	0	0	0	39
FC-027	LIGHT	Larimer	06/29/2011	San Luis	339	0	43	1	0	383
FC-027	LIGHT	Larimer	07/07/2011	San Luis	207	0	12	0	0	219
FC-027	LIGHT	Larimer	07/13/2011	San Luis	229	0	35	1	0	265
FC-027	LIGHT	Larimer	07/20/2011	San Luis	207	0	40	0	0	247
FC-027	LIGHT	Larimer	07/27/2011	San Luis	1094	0	287	2	0	1,383
FC-027	LIGHT	Larimer	08/03/2011	San Luis	164	0	86	0	0	250
FC-027	LIGHT	Larimer	08/10/2011	San Luis	58	0	53	0	0	111
FC-029	LIGHT	Larimer	06/03/2011	Bens Park	21	0	0	1	0	22
FC-029	LIGHT	Larimer	06/10/2011	Bens Park	3	0	0	0	0	3



Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-029	LIGHT	Larimer	06/17/2011	Bens Park	0	0	0	0	0	0
FC-029	LIGHT	Larimer	06/24/2011	Bens Park	79	0	1	1	0	81
FC-029	LIGHT	Larimer	07/01/2011	Bens Park	73	0	1	5	0	79
FC-029	LIGHT	Larimer	07/08/2011	Bens Park	14	0	1	1	0	16
FC-029	LIGHT	Larimer	07/15/2011	Bens Park	92	0	3	0	0	95
FC-029	LIGHT	Larimer	07/22/2011	Bens Park	100	0	10	0	0	110
FC-029	LIGHT	Larimer	07/29/2011	Bens Park	181	0	50	2	0	233
FC-029	LIGHT	Larimer	08/05/2011	Bens Park	43	0	17	1	0	61
FC-029	LIGHT	Larimer	08/12/2011	Bens Park	58	0	36	1	0	95
FC-031	LIGHT	Larimer	06/02/2011	Willow Spings	1	0	0	1	0	2
FC-031	LIGHT	Larimer	06/08/2011	Willow Spings	145	0	0	0	0	145
FC-031	LIGHT	Larimer	06/15/2011	Willow Spings	47	0	0	0	0	47
FC-031	LIGHT	Larimer	06/23/2011	Willow Spings	240	0	0	1	0	241
FC-031	LIGHT	Larimer	06/29/2011	Willow Spings	191	0	3	8	0	202
FC-031	LIGHT	Larimer	07/07/2011	Willow Spings	155	0	3	4	0	162
FC-031	LIGHT	Larimer	07/13/2011	Willow Spings	127	0	10	3	0	140
FC-031	LIGHT	Larimer	07/21/2011	Willow Spings	294	0	19	1	0	314
FC-031	LIGHT	Larimer	07/27/2011	Willow Spings	257	0	44	0	0	301
FC-031	LIGHT	Larimer	08/03/2011	Willow Spings	45	0	73	0	0	118
FC-031	LIGHT	Larimer	08/10/2011	Willow Spings	3	0	12	1	0	16
FC-031	LIGHT	Larimer	08/24/2011	Willow Spings	11	0	22	0	0	33
FC-033	LIGHT	Larimer	06/08/2011	Sage Creek	13	0	1	0	0	14
FC-033	LIGHT	Larimer	06/15/2011	Sage Creek	0	0	0	0	0	0
FC-033	LIGHT	Larimer	06/23/2011	Sage Creek	32	0	0	0	0	32
FC-033	LIGHT	Larimer	06/29/2011	Sage Creek	14	0	1	1	0	16
FC-033	LIGHT	Larimer	07/07/2011	Sage Creek	14	0	1	0	0	15
FC-033	LIGHT	Larimer	07/13/2011	Sage Creek	14	0	1	0	0	15
FC-033	LIGHT	Larimer	07/20/2011	Sage Creek	41	0	10	0	1	52
FC-033	LIGHT	Larimer	07/27/2011	Sage Creek	58	0	11	0	0	69
FC-033	LIGHT	Larimer	08/03/2011	Sage Creek	18	0	22	0	0	40
FC-033	LIGHT	Larimer	08/10/2011	Sage Creek	0	0	8	0	0	8
FC-034	LIGHT	Larimer	06/01/2011	Country Club	1	0	0	0	0	1
FC-034	LIGHT	Larimer	06/07/2011	Country Club	24	0	0	1	0	25
FC-034	LIGHT	Larimer	06/14/2011	Country Club	44	0	1	0	0	45
FC-034	LIGHT	Larimer	06/22/2011	Country Club	49	0	0	0	0	49
FC-034	LIGHT	Larimer	06/28/2011	Country Club	314	0	3	4	0	321
FC-034	LIGHT	Larimer	07/06/2011	Country Club	161	0	5	1	0	167
FC-034	LIGHT	Larimer	07/12/2011	Country Club	76	0	12	1	0	89
FC-034	LIGHT	Larimer	07/19/2011	Country Club	230	0	80	4	1	315
FC-034	LIGHT	Larimer	07/26/2011	Country Club	947	0	180	2	0	1,129
FC-034	LIGHT	Larimer	08/02/2011	Country Club	367	0	128	1	0	496
FC-034	LIGHT	Larimer	08/09/2011	Country Club	89	0	177	2	0	268



Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-036	LIGHT	Larimer	06/01/2011	Hemlock	5	0	0	3	0	8
FC-036	LIGHT	Larimer	06/07/2011	Hemlock	48	0	3	2	0	53
FC-036	LIGHT	Larimer	06/14/2011	Hemlock	191	0	1	2	0	194
FC-036	LIGHT	Larimer	06/22/2011	Hemlock	479	0	2	1	0	482
FC-036	LIGHT	Larimer	06/28/2011	Hemlock	1626	0	8	7	0	1,641
FC-036	LIGHT	Larimer	07/06/2011	Hemlock	2430	0	28	16	2	2,476
FC-036	LIGHT	Larimer	07/12/2011	Hemlock	1006	0	17	0	4	1,027
FC-036	LIGHT	Larimer	07/19/2011	Hemlock	1862	0	95	8	14	1,979
FC-036	LIGHT	Larimer	07/26/2011	Hemlock	2814	0	134	8	10	2,966
FC-036	LIGHT	Larimer	08/02/2011	Hemlock	1536	0	198	2	16	1,752
FC-036	LIGHT	Larimer	08/09/2011	Hemlock	0	0	0	0	0	0
FC-036	LIGHT	Larimer	08/11/2011	Hemlock	192	0	77	1	0	270
FC-037	LIGHT	Larimer	06/10/2011	Chelsea Ridge	13	0	0	0	0	13
FC-037	LIGHT	Larimer	06/17/2011	Chelsea Ridge	29	0	0	0	0	29
FC-037	LIGHT	Larimer	06/24/2011	Chelsea Ridge	39	0	0	0	0	39
FC-037	LIGHT	Larimer	07/01/2011	Chelsea Ridge	43	0	0	0	0	43
FC-037	LIGHT	Larimer	07/15/2011	Chelsea Ridge	168	0	6	2	0	176
FC-037	LIGHT	Larimer	07/22/2011	Chelsea Ridge	78	0	16	0	0	94
FC-037	LIGHT	Larimer	07/29/2011	Chelsea Ridge	39	0	20	0	0	59
FC-037	LIGHT	Larimer	08/05/2011	Chelsea Ridge	38	0	16	0	0	54
FC-037	LIGHT	Larimer	08/12/2011	Chelsea Ridge	10	0	9	0	0	19
FC-038	LIGHT	Larimer	06/01/2011	Lockside Lane	7	0	0	1	0	8
FC-038	LIGHT	Larimer	06/07/2011	Lockside Lane	0	0	0	0	0	0
FC-038	LIGHT	Larimer	06/14/2011	Lockside Lane	52	0	0	0	0	52
FC-038	LIGHT	Larimer	06/22/2011	Lockside Lane	0	0	0	0	0	0
FC-038	LIGHT	Larimer	06/23/2011	Lockside Lane	37	0	0	2	0	39
FC-038	LIGHT	Larimer	06/28/2011	Lockside Lane	17	0	2	0	0	19
FC-038	LIGHT	Larimer	07/06/2011	Lockside Lane	52	0	1	0	0	53
FC-038	LIGHT	Larimer	07/12/2011	Lockside Lane	12	0	3	0	0	15
FC-038	LIGHT	Larimer	07/19/2011	Lockside Lane	95	0	18	3	0	116
FC-038	LIGHT	Larimer	07/26/2011	Lockside Lane	388	0	88	6	0	482
FC-038	LIGHT	Larimer	08/02/2011	Lockside Lane	165	0	160	0	0	325
FC-038	LIGHT	Larimer	08/09/2011	Lockside Lane	32	0	13	2	0	47
FC-039	LIGHT	Larimer	06/02/2011	Fossil Creek South (Green	32	0	0	7	0	39
FC-039	LIGHT	Larimer	06/08/2011	Fossil Creek South (Green	175	0	0	0	0	175
FC-039	LIGHT	Larimer	06/15/2011	Fossil Creek South (Green	103	0	0	0	0	103
FC-039	LIGHT	Larimer	06/23/2011	Fossil Creek South (Green	318	0	8	2	0	328
FC-039	LIGHT	Larimer	06/29/2011	Fossil Creek South (Green	173	0	7	5	0	185
FC-039	LIGHT	Larimer	07/07/2011	Fossil Creek South (Green	138	0	29	8	0	175
FC-039	LIGHT	Larimer	07/13/2011	Fossil Creek South (Green	296	0	21	0	0	317
FC-039	LIGHT	Larimer	07/20/2011	Fossil Creek South (Green	442	0	64	0	0	506
FC-039	LIGHT	Larimer	07/27/2011	Fossil Creek South (Green	271	0	15	1	0	287



Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-039	LIGHT	Larimer	08/03/2011	Fossil Creek South (Green	0	0	0	0	0	0
FC-039	LIGHT	Larimer	08/04/2011	Fossil Creek South (Green	24	0	19	0	0	43
FC-039	LIGHT	Larimer	08/10/2011	Fossil Creek South (Green	16	0	38	0	0	54
FC-039	LIGHT	Larimer	08/24/2011	Fossil Creek South (Green	22	0	17	2	0	41
FC-040	LIGHT	Larimer	06/01/2011	Redwood	2	0	0	3	0	5
FC-040	LIGHT	Larimer	06/07/2011	Redwood	61	0	0	0	0	61
FC-040	LIGHT	Larimer	06/14/2011	Redwood	33	0	0	0	0	33
FC-040	LIGHT	Larimer	06/22/2011	Redwood	20	0	1	2	0	23
FC-040	LIGHT	Larimer	06/28/2011	Redwood	115	0	2	1	0	118
FC-040	LIGHT	Larimer	07/06/2011	Redwood	241	0	8	0	0	249
FC-040	LIGHT	Larimer	07/12/2011	Redwood	116	0	39	2	0	157
FC-040	LIGHT	Larimer	07/19/2011	Redwood	301	0	37	0	0	338
FC-040	LIGHT	Larimer	07/26/2011	Redwood	487	0	102	3	1	593
FC-040	LIGHT	Larimer	08/02/2011	Redwood	434	0	253	6	1	694
FC-040	LIGHT	Larimer	08/09/2011	Redwood	127	0	38	1	0	166
FC-041	LIGHT	Larimer	06/02/2011	Fishback	0	0	0	0	0	0
FC-041	LIGHT	Larimer	06/09/2011	Fishback	5	0	0	0	0	5
FC-041	LIGHT	Larimer	06/16/2011	Fishback	41	0	0	1	0	42
FC-041	LIGHT	Larimer	06/24/2011	Fishback	105	0	1	0	0	106
FC-041	LIGHT	Larimer	06/30/2011	Fishback	179	0	1	2	0	182
FC-041	LIGHT	Larimer	07/08/2011	Fishback	23	0	3	1	0	27
FC-041	LIGHT	Larimer	07/14/2011	Fishback	119	0	8	0	0	127
FC-041	LIGHT	Larimer	07/21/2011	Fishback	418	0	29	0	0	447
FC-041	LIGHT	Larimer	07/28/2011	Fishback	208	0	48	2	0	258
FC-041	LIGHT	Larimer	08/04/2011	Fishback	71	0	30	0	0	101
FC-041	LIGHT	Larimer	08/11/2011	Fishback	106	0	59	1	0	166
FC-046	LIGHT	Larimer	06/02/2011	725 Westshore Court	0	0	0	0	0	0
FC-046	LIGHT	Larimer	06/02/2011	725 Westshore Court	1	0	0	1	0	2
FC-046	LIGHT	Larimer	06/08/2011	725 Westshore Court	43	0	0	0	0	43
FC-046	LIGHT	Larimer	06/15/2011	725 Westshore Court	135	0	0	0	0	135
FC-046	LIGHT	Larimer	06/23/2011	725 Westshore Court	70	0	0	1	0	71
FC-046	LIGHT	Larimer	06/29/2011	725 Westshore Court	102	0	2	4	0	108
FC-046	LIGHT	Larimer	07/07/2011	725 Westshore Court	70	0	2	1	0	73
FC-046	LIGHT	Larimer	07/13/2011	725 Westshore Court	161	0	4	1	0	166
FC-046	LIGHT	Larimer	07/20/2011	725 Westshore Court	155	0	24	1	0	180
FC-046	LIGHT	Larimer	07/27/2011	725 Westshore Court	223	0	69	0	0	292
FC-046	LIGHT	Larimer	08/03/2011	725 Westshore Court	43	0	62	0	0	105
FC-046	LIGHT	Larimer	08/10/2011	725 Westshore Court	19	0	21	0	0	40
FC-047	LIGHT	Larimer	06/08/2011	Keenland & Twin Oak	4	0	0	1	0	5
FC-047	LIGHT	Larimer	06/15/2011	Keenland & Twin Oak	22	0	0	0	0	22
FC-047	LIGHT	Larimer	06/23/2011	Keenland & Twin Oak	7	0	0	0	0	7
FC-047	LIGHT	Larimer	06/29/2011	Keenland & Twin Oak	7	0	0	0	0	7



Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-047	LIGHT	Larimer	07/07/2011	Keenland & Twin Oak	21	0	1	0	0	22
FC-047	LIGHT	Larimer	07/13/2011	Keenland & Twin Oak	28	0	0	0	0	28
FC-047	LIGHT	Larimer	07/20/2011	Keenland & Twin Oak	53	0	5	0	0	58
FC-047	LIGHT	Larimer	07/27/2011	Keenland & Twin Oak	107	0	27	0	0	134
FC-047	LIGHT	Larimer	08/03/2011	Keenland & Twin Oak	25	0	12	0	0	37
FC-047	LIGHT	Larimer	08/10/2011	Keenland & Twin Oak	6	0	10	0	0	16
FC-049	LIGHT	Larimer	06/03/2011	Casa Grande and Downin	0	0	0	2	0	2
FC-049	LIGHT	Larimer	06/09/2011	Casa Grande and Downin	5	0	0	0	0	5
FC-049	LIGHT	Larimer	06/16/2011	Casa Grande and Downin	21	0	0	1	0	22
FC-049	LIGHT	Larimer	06/30/2011	Casa Grande and Downin	49	0	2	1	0	52
FC-049	LIGHT	Larimer	07/08/2011	Casa Grande and Downin	8	0	1	1	0	10
FC-049	LIGHT	Larimer	07/14/2011	Casa Grande and Downin	10	0	0	0	0	10
FC-049	LIGHT	Larimer	07/21/2011	Casa Grande and Downin	19	0	2	0	0	21
FC-049	LIGHT	Larimer	07/28/2011	Casa Grande and Downin	26	0	4	0	0	30
FC-049	LIGHT	Larimer	08/04/2011	Casa Grande and Downin	4	0	5	0	0	9
FC-049	LIGHT	Larimer	08/11/2011	Casa Grande and Downin	12	0	24	1	0	37
FC-050	LIGHT	Larimer	06/08/2011	Golden Meadows Ditch	35	0	0	0	0	35
FC-050	LIGHT	Larimer	06/15/2011	Golden Meadows Ditch	18	0	1	0	0	19
FC-050	LIGHT	Larimer	06/23/2011	Golden Meadows Ditch	37	0	0	0	0	37
FC-050	LIGHT	Larimer	06/29/2011	Golden Meadows Ditch	27	0	2	2	0	31
FC-050	LIGHT	Larimer	07/07/2011	Golden Meadows Ditch	33	0	1	0	0	34
FC-050	LIGHT	Larimer	07/13/2011	Golden Meadows Ditch	5	0	2	7	0	14
FC-050	LIGHT	Larimer	07/20/2011	Golden Meadows Ditch	95	0	22	0	0	117
FC-050	LIGHT	Larimer	07/27/2011	Golden Meadows Ditch	129	0	30	0	0	159
FC-050	LIGHT	Larimer	08/03/2011	Golden Meadows Ditch	50	0	55	0	0	105
FC-050	LIGHT	Larimer	08/10/2011	Golden Meadows Ditch	10	0	13	0	0	23
FC-052	LIGHT	Larimer	06/02/2011	603 Gilgalad Way	0	0	0	0	0	0
FC-052	LIGHT	Larimer	06/09/2011	603 Gilgalad Way	1	0	0	0	0	1
FC-052	LIGHT	Larimer	06/16/2011	603 Gilgalad Way	33	0	0	1	0	34
FC-052	LIGHT	Larimer	06/24/2011	603 Gilgalad Way	57	0	1	1	0	59
FC-052	LIGHT	Larimer	06/30/2011	603 Gilgalad Way	98	0	1	16	0	115
FC-052	LIGHT	Larimer	07/08/2011	603 Gilgalad Way	0	0	0	0	0	0
FC-052	LIGHT	Larimer	07/14/2011	603 Gilgalad Way	32	0	1	0	0	33
FC-052	LIGHT	Larimer	07/21/2011	603 Gilgalad Way	45	0	4	1	0	50
FC-052	LIGHT	Larimer	07/28/2011	603 Gilgalad Way	54	0	7	1	0	62
FC-052	LIGHT	Larimer	08/04/2011	603 Gilgalad Way	15	0	25	0	0	40
FC-052	LIGHT	Larimer	08/11/2011	603 Gilgalad Way	6	0	10	0	0	16
FC-053	LIGHT	Larimer	06/01/2011	Egret and Rookery	2	0	1	13	0	16
FC-053	LIGHT	Larimer	06/07/2011	Egret and Rookery	40	4	3	4	0	51
FC-053	LIGHT	Larimer	06/14/2011	Egret and Rookery	25	5	0	0	0	30
FC-053	LIGHT	Larimer	06/22/2011	Egret and Rookery	14	0	1	0	0	15
FC-053	LIGHT	Larimer	06/28/2011	Egret and Rookery	79	0	12	10	0	101



Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-053	LIGHT	Larimer	07/06/2011	Egret and Rookery	218	0	18	1	0	237
FC-053	LIGHT	Larimer	07/07/2011	Egret and Rookery	137	0	29	1	0	167
FC-053	LIGHT	Larimer	07/12/2011	Egret and Rookery	151	0	18	0	0	169
FC-053	LIGHT	Larimer	07/13/2011	Egret and Rookery	184	0	32	0	0	216
FC-053	LIGHT	Larimer	07/19/2011	Egret and Rookery	391	0	138	0	0	529
FC-053	LIGHT	Larimer	07/20/2011	Egret and Rookery	235	0	271	3	0	509
FC-053	LIGHT	Larimer	07/26/2011	Egret and Rookery	225	0	86	0	0	311
FC-053	LIGHT	Larimer	07/27/2011	Egret and Rookery	816	0	117	5	0	938
FC-053	LIGHT	Larimer	08/02/2011	Egret and Rookery	80	0	121	0	0	201
FC-053	LIGHT	Larimer	08/03/2011	Egret and Rookery	42	0	190	2	0	234
FC-053	LIGHT	Larimer	08/09/2011	Egret and Rookery	16	0	56	11	0	83
FC-053	LIGHT	Larimer	08/16/2011	Egret and Rookery	43	0	112	0	0	155
FC-053	LIGHT	Larimer	08/23/2011	Egret and Rookery	14	0	31	6	0	51
FC-053	LIGHT	Larimer	08/30/2011	Egret and Rookery	21	0	17	1	0	39
FC-054	LIGHT	Larimer	06/03/2011	737 Parilment Court	6	0	0	0	0	6
FC-054	LIGHT	Larimer	06/10/2011	737 Parilment Court	41	0	0	2	0	43
FC-054	LIGHT	Larimer	06/17/2011	737 Parilment Court	44	0	0	0	0	44
FC-054	LIGHT	Larimer	06/24/2011	737 Parilment Court	118	0	1	1	0	120
FC-054	LIGHT	Larimer	07/01/2011	737 Parilment Court	41	0	0	5	0	46
FC-054	LIGHT	Larimer	07/08/2011	737 Parilment Court	37	0	0	0	0	37
FC-054	LIGHT	Larimer	07/15/2011	737 Parilment Court	102	0	7	2	0	111
FC-054	LIGHT	Larimer	07/22/2011	737 Parilment Court	118	0	25	0	0	143
FC-054	LIGHT	Larimer	07/29/2011	737 Parilment Court	59	0	12	2	0	73
FC-054	LIGHT	Larimer	08/05/2011	737 Parilment Court	23	0	10	1	0	34
FC-054	LIGHT	Larimer	08/12/2011	737 Parilment Court	16	0	15	0	0	31
FC-057	LIGHT	Larimer	06/03/2011	Registry Ridge- End of Ra	31	0	0	1	0	32
FC-057	LIGHT	Larimer	06/10/2011	Registry Ridge- End of Ra	46	0	0	1	0	47
FC-057	LIGHT	Larimer	06/17/2011	Registry Ridge- End of Ra	49	0	0	0	0	49
FC-057	LIGHT	Larimer	06/24/2011	Registry Ridge- End of Ra	84	0	0	1	0	85
FC-057	LIGHT	Larimer	07/01/2011	Registry Ridge- End of Ra	7	0	0	2	0	9
FC-057	LIGHT	Larimer	07/08/2011	Registry Ridge- End of Ra	1	0	0	0	0	1
FC-057	LIGHT	Larimer	07/15/2011	Registry Ridge- End of Ra	85	0	2	1	0	88
FC-057	LIGHT	Larimer	07/22/2011	Registry Ridge- End of Ra	206	0	8	2	1	217
FC-057	LIGHT	Larimer	07/29/2011	Registry Ridge- End of Ra	179	0	10	1	0	190
FC-057	LIGHT	Larimer	08/05/2011	Registry Ridge- End of Ra	6	0	4	0	0	10
FC-057	LIGHT	Larimer	08/12/2011	Registry Ridge- End of Ra	5	0	2	0	0	7
FC-058	LIGHT	Larimer	06/03/2011	Spring Creek Trail @ Mich	1	0	0	1	0	2
FC-058	LIGHT	Larimer	06/09/2011	Spring Creek Trail @ Mich	9	0	0	2	0	11
FC-058	LIGHT	Larimer	06/16/2011	Spring Creek Trail @ Mich	204	0	0	0	0	204
FC-058	LIGHT	Larimer	06/24/2011	Spring Creek Trail @ Mich	138	0	0	2	0	140
FC-058	LIGHT	Larimer	06/30/2011	Spring Creek Trail @ Mich	104	0	1	0	0	105
FC-058	LIGHT	Larimer	07/08/2011	Spring Creek Trail @ Mich	56	0	0	0	0	56



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Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-058	LIGHT	Larimer	07/14/2011	Spring Creek Trail @ Mich	59	0	1	0	0	60
FC-058	LIGHT	Larimer	07/21/2011	Spring Creek Trail @ Mich	54	0	1	1	0	56
FC-058	LIGHT	Larimer	07/28/2011	Spring Creek Trail @ Mich	116	0	9	0	0	125
FC-058	LIGHT	Larimer	08/04/2011	Spring Creek Trail @ Mich	40	0	4	0	0	44
FC-058	LIGHT	Larimer	08/11/2011	Spring Creek Trail @ Mich	22	0	9	0	0	31
FC-059	LIGHT	Larimer	06/02/2011	Springwood and Lockwo	0	0	0	1	0	1
FC-059	LIGHT	Larimer	06/08/2011	Springwood and Lockwo	182	0	0	0	0	182
FC-059	LIGHT	Larimer	06/15/2011	Springwood and Lockwo	74	0	0	1	0	75
FC-059	LIGHT	Larimer	06/23/2011	Springwood and Lockwo	116	0	0	0	0	116
FC-059	LIGHT	Larimer	06/29/2011	Springwood and Lockwo	219	0	6	2	0	227
FC-059	LIGHT	Larimer	07/07/2011	Springwood and Lockwo	56	0	4	0	0	60
FC-059	LIGHT	Larimer	07/13/2011	Springwood and Lockwo	73	0	5	0	0	78
FC-059	LIGHT	Larimer	07/20/2011	Springwood and Lockwo	169	0	18	1	0	188
FC-059	LIGHT	Larimer	07/27/2011	Springwood and Lockwo	504	0	71	1	0	576
FC-059	LIGHT	Larimer	08/03/2011	Springwood and Lockwo	65	0	57	0	0	122
FC-059	LIGHT	Larimer	08/10/2011	Springwood and Lockwo	31	0	43	0	0	74
FC-060	LIGHT	Larimer	06/09/2011	808 Pondersosa	2	0	0	0	0	2
FC-060	LIGHT	Larimer	06/16/2011	808 Pondersosa	11	0	0	0	0	11
FC-060	LIGHT	Larimer	06/30/2011	808 Pondersosa	36	0	0	0	0	36
FC-060	LIGHT	Larimer	07/14/2011	808 Pondersosa	49	0	4	0	0	53
FC-060	LIGHT	Larimer	07/21/2011	808 Pondersosa	60	0	9	0	0	69
FC-060	LIGHT	Larimer	07/28/2011	808 Pondersosa	47	0	15	0	0	62
FC-060	LIGHT	Larimer	08/04/2011	808 Pondersosa	30	0	10	1	0	41
FC-060	LIGHT	Larimer	08/11/2011	808 Pondersosa	11	0	13	0	0	24
FC-061	LIGHT	Larimer	06/02/2011	Holley Environ. Plant Res	0	0	0	0	0	0
FC-061	LIGHT	Larimer	06/09/2011	Holley Environ. Plant Res	24	0	0	0	0	24
FC-061	LIGHT	Larimer	06/16/2011	Holley Environ. Plant Res	119	0	0	0	0	119
FC-061	LIGHT	Larimer	06/22/2011	Holley Environ. Plant Res	164	0	1	2	0	167
FC-061	LIGHT	Larimer	06/30/2011	Holley Environ. Plant Res	805	0	2	1	0	808
FC-061	LIGHT	Larimer	07/08/2011	Holley Environ. Plant Res	228	0	14	1	0	243
FC-061	LIGHT	Larimer	07/14/2011	Holley Environ. Plant Res	314	0	26	2	0	342
FC-061	LIGHT	Larimer	07/21/2011	Holley Environ. Plant Res	251	0	25	1	0	277
FC-061	LIGHT	Larimer	07/28/2011	Holley Environ. Plant Res	747	0	51	1	0	799
FC-061	LIGHT	Larimer	08/04/2011	Holley Environ. Plant Res	315	0	107	0	0	422
FC-061	LIGHT	Larimer	08/11/2011	Holley Environ. Plant Res	0	0	0	0	0	0
FC-061	LIGHT	Larimer	08/12/2011	Holley Environ. Plant Res	0	0	0	0	0	0
FC-062	LIGHT	Larimer	06/03/2011	Waters Edge at Blue Mes	2	0	0	2	0	4
FC-062	LIGHT	Larimer	06/10/2011	Waters Edge at Blue Mes	3	0	0	0	0	3
FC-062	LIGHT	Larimer	06/17/2011	Waters Edge at Blue Mes	5	0	0	1	0	6
FC-062	LIGHT	Larimer	07/01/2011	Waters Edge at Blue Mes	15	0	0	5	0	20
FC-062	LIGHT	Larimer	07/15/2011	Waters Edge at Blue Mes	96	0	3	0	0	99
FC-062	LIGHT	Larimer	07/22/2011	Waters Edge at Blue Mes	0	0	0	0	0	0



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Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-062	LIGHT	Larimer	07/29/2011	Waters Edge at Blue Mes	183	0	25	0	0	208
FC-062	LIGHT	Larimer	08/05/2011	Waters Edge at Blue Mes	0	0	0	0	0	0
FC-062	LIGHT	Larimer	08/12/2011	Waters Edge at Blue Mes	75	0	52	4	0	131
FC-063	LIGHT	Larimer	06/03/2011	Red Fox Meadows FCNA	0	0	0	0	0	0
FC-063	LIGHT	Larimer	06/09/2011	Red Fox Meadows FCNA	20	0	0	0	0	20
FC-063	LIGHT	Larimer	06/16/2011	Red Fox Meadows FCNA	66	0	0	3	0	69
FC-063	LIGHT	Larimer	06/24/2011	Red Fox Meadows FCNA	175	0	0	1	0	176
FC-063	LIGHT	Larimer	06/30/2011	Red Fox Meadows FCNA	180	0	0	0	0	180
FC-063	LIGHT	Larimer	07/06/2011	Red Fox Meadows FCNA	76	0	0	2	0	78
FC-063	LIGHT	Larimer	07/08/2011	Red Fox Meadows FCNA	275	0	0	1	0	276
FC-063	LIGHT	Larimer	07/14/2011	Red Fox Meadows FCNA	833	0	6	1	0	840
FC-063	LIGHT	Larimer	07/21/2011	Red Fox Meadows FCNA	183	0	3	1	0	187
FC-063	LIGHT	Larimer	07/28/2011	Red Fox Meadows FCNA	215	0	1	0	0	216
FC-063	LIGHT	Larimer	08/04/2011	Red Fox Meadows FCNA	237	0	4	1	0	242
FC-063	LIGHT	Larimer	08/11/2011	Red Fox Meadows FCNA	83	0	11	0	0	94
FC-064	LIGHT	Larimer	06/02/2011	West Chase @ Kechter F	1	0	0	2	0	3
FC-064	LIGHT	Larimer	06/08/2011	West Chase @ Kechter F	145	0	0	2	0	147
FC-064	LIGHT	Larimer	06/15/2011	West Chase @ Kechter F	24	0	0	0	0	24
FC-064	LIGHT	Larimer	06/23/2011	West Chase @ Kechter F	153	0	1	1	0	155
FC-064	LIGHT	Larimer	06/29/2011	West Chase @ Kechter F	17	0	4	1	0	22
FC-064	LIGHT	Larimer	07/07/2011	West Chase @ Kechter F	99	0	9	4	0	112
FC-064	LIGHT	Larimer	07/13/2011	West Chase @ Kechter F	158	0	5	4	0	167
FC-064	LIGHT	Larimer	07/20/2011	West Chase @ Kechter F	237	0	25	2	0	264
FC-064	LIGHT	Larimer	07/27/2011	West Chase @ Kechter F	0	0	0	0	0	0
FC-064	LIGHT	Larimer	07/28/2011	West Chase @ Kechter F	60	0	24	0	0	84
FC-064	LIGHT	Larimer	08/03/2011	West Chase @ Kechter F	0	0	0	0	0	0
FC-064	LIGHT	Larimer	08/04/2011	West Chase @ Kechter F	44	0	28	1	0	73
FC-064	LIGHT	Larimer	08/10/2011	West Chase @ Kechter F	8	0	17	1	0	26
FC-066	LIGHT	Larimer	06/01/2011	Prospect Ponds @ Drake	0	0	0	0	0	0
FC-066	LIGHT	Larimer	06/07/2011	Prospect Ponds @ Drake	814	0	7	3	0	824
FC-066	LIGHT	Larimer	06/14/2011	Prospect Ponds @ Drake	752	0	3	12	0	767
FC-066	LIGHT	Larimer	06/22/2011	Prospect Ponds @ Drake	1138	0	5	2	0	1,145
FC-066	LIGHT	Larimer	06/28/2011	Prospect Ponds @ Drake	1929	0	38	21	0	1,988
FC-066	LIGHT	Larimer	07/06/2011	Prospect Ponds @ Drake	941	3	66	7	87	1,104
FC-066	LIGHT	Larimer	07/12/2011	Prospect Ponds @ Drake	1698	0	60	5	87	1,850
FC-066	LIGHT	Larimer	07/19/2011	Prospect Ponds @ Drake	1057	0	37	2	44	1,140
FC-066	LIGHT	Larimer	07/26/2011	Prospect Ponds @ Drake	11848	1	297	1	56	12,203
FC-066	LIGHT	Larimer	08/02/2011	Prospect Ponds @ Drake	2964	4	236	0	0	3,204
FC-066	LIGHT	Larimer	08/09/2011	Prospect Ponds @ Drake	481	1	95	1	0	578
FC-067	LIGHT	Larimer	06/01/2011	Poudre River Drive at bike	30	0	0	3	0	33
FC-067	LIGHT	Larimer	06/07/2011	Poudre River Drive at bike	497	0	0	2	0	499
FC-067	LIGHT	Larimer	06/14/2011	Poudre River Drive at bike	974	0	0	3	0	977



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Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-067	LIGHT	Larimer	06/22/2011	Poudre River Drive at bike	1610	0	1	6	0	1,617
FC-067	LIGHT	Larimer	06/28/2011	Poudre River Drive at bike	2930	0	7	17	0	2,954
FC-067	LIGHT	Larimer	07/06/2011	Poudre River Drive at bike	1704	0	32	3	6	1,745
FC-067	LIGHT	Larimer	07/07/2011	Poudre River Drive at bike	1597	0	34	2	3	1,636
FC-067	LIGHT	Larimer	07/12/2011	Poudre River Drive at bike	3680	0	135	5	7	3,827
FC-067	LIGHT	Larimer	07/13/2011	Poudre River Drive at bike	1733	0	32	4	8	1,777
FC-067	LIGHT	Larimer	07/19/2011	Poudre River Drive at bike	1343	0	62	1	15	1,421
FC-067	LIGHT	Larimer	07/20/2011	Poudre River Drive at bike	1904	0	59	0	28	1,991
FC-067	LIGHT	Larimer	07/26/2011	Poudre River Drive at bike	5678	0	449	10	56	6,193
FC-067	LIGHT	Larimer	07/27/2011	Poudre River Drive at bike	6116	1	491	16	64	6,688
FC-067	LIGHT	Larimer	08/02/2011	Poudre River Drive at bike	5664	0	407	4	12	6,087
FC-067	LIGHT	Larimer	08/03/2011	Poudre River Drive at bike	1976	0	256	0	6	2,238
FC-067	LIGHT	Larimer	08/09/2011	Poudre River Drive at bike	529	0	175	8	0	712
FC-067	LIGHT	Larimer	08/16/2011	Poudre River Drive at bike	1253	0	121	4	0	1,378
FC-067	LIGHT	Larimer	08/23/2011	Poudre River Drive at bike	715	0	134	0	0	849
FC-067	LIGHT	Larimer	08/30/2011	Poudre River Drive at bike	855	0	15	0	0	870
FC-068	LIGHT	Larimer	06/03/2011	502 Crest Drive	1	0	0	2	0	3
FC-068	LIGHT	Larimer	06/10/2011	502 Crest Drive	4	0	0	0	0	4
FC-068	LIGHT	Larimer	06/17/2011	502 Crest Drive	40	0	0	0	0	40
FC-068	LIGHT	Larimer	06/24/2011	502 Crest Drive	19	0	0	1	0	20
FC-068	LIGHT	Larimer	07/01/2011	502 Crest Drive	89	0	1	1	0	91
FC-068	LIGHT	Larimer	07/08/2011	502 Crest Drive	24	0	0	1	0	25
FC-068	LIGHT	Larimer	07/15/2011	502 Crest Drive	24	0	1	0	0	25
FC-068	LIGHT	Larimer	07/22/2011	502 Crest Drive	12	0	5	0	0	17
FC-068	LIGHT	Larimer	07/29/2011	502 Crest Drive	48	0	5	0	0	53
FC-068	LIGHT	Larimer	08/05/2011	502 Crest Drive	39	0	28	0	0	67
FC-068	LIGHT	Larimer	08/12/2011	502 Crest Drive	21	0	9	0	0	30
FC-069	LIGHT	Larimer	06/01/2011	Lindenwood HOA	0	0	0	0	0	0
FC-069	LIGHT	Larimer	06/07/2011	Lindenwood HOA	14	0	0	1	0	15
FC-069	LIGHT	Larimer	06/14/2011	Lindenwood HOA	52	0	0	0	0	52
FC-069	LIGHT	Larimer	06/22/2011	Lindenwood HOA	31	0	0	0	0	31
FC-069	LIGHT	Larimer	06/28/2011	Lindenwood HOA	150	0	0	0	0	150
FC-069	LIGHT	Larimer	07/06/2011	Lindenwood HOA	73	0	0	0	0	73
FC-069	LIGHT	Larimer	07/12/2011	Lindenwood HOA	39	0	0	0	0	39
FC-069	LIGHT	Larimer	07/19/2011	Lindenwood HOA	63	0	4	0	0	67
FC-069	LIGHT	Larimer	07/26/2011	Lindenwood HOA	150	0	8	0	0	158
FC-069	LIGHT	Larimer	08/02/2011	Lindenwood HOA	92	0	33	0	0	125
FC-069	LIGHT	Larimer	08/09/2011	Lindenwood HOA	60	0	11	0	0	71
FC-069	LIGHT	Larimer	08/24/2011	Lindenwood HOA	92	0	62	0	0	154
FC-071	LIGHT	Larimer	06/03/2011	Silvergate Road	2	0	0	0	0	2
FC-071	LIGHT	Larimer	06/10/2011	Silvergate Road	2	0	0	0	0	2
FC-071	LIGHT	Larimer	06/17/2011	Silvergate Road	0	0	0	0	0	0



Adult Trap Data - Genus Summary

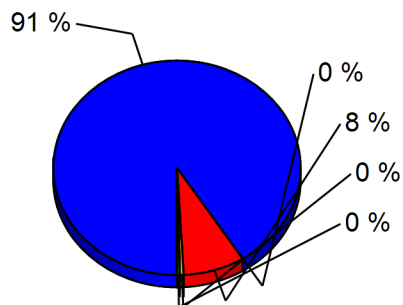
Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-071	LIGHT	Larimer	06/24/2011	Silvergate Road	25	0	0	2	0	27
FC-071	LIGHT	Larimer	07/01/2011	Silvergate Road	9	0	0	0	0	9
FC-071	LIGHT	Larimer	07/15/2011	Silvergate Road	64	0	9	0	0	73
FC-071	LIGHT	Larimer	07/22/2011	Silvergate Road	81	0	10	0	0	91
FC-071	LIGHT	Larimer	07/29/2011	Silvergate Road	110	0	12	0	0	122
FC-071	LIGHT	Larimer	08/05/2011	Silvergate Road	45	0	43	0	0	88
FC-071	LIGHT	Larimer	08/12/2011	Silvergate Road	0	0	0	0	0	0
FC-072	LIGHT	Larimer	06/01/2011	422 Lake Drive Alley	0	0	0	2	0	2
FC-072	LIGHT	Larimer	06/07/2011	422 Lake Drive Alley	19	0	0	0	0	19
FC-072	LIGHT	Larimer	06/14/2011	422 Lake Drive Alley	75	0	0	3	0	78
FC-072	LIGHT	Larimer	06/22/2011	422 Lake Drive Alley	185	0	2	1	0	188
FC-072	LIGHT	Larimer	06/28/2011	422 Lake Drive Alley	147	0	2	4	0	153
FC-072	LIGHT	Larimer	07/06/2011	422 Lake Drive Alley	69	0	2	0	0	71
FC-072	LIGHT	Larimer	07/12/2011	422 Lake Drive Alley	49	0	13	1	0	63
FC-072	LIGHT	Larimer	07/19/2011	422 Lake Drive Alley	85	0	13	1	0	99
FC-072	LIGHT	Larimer	07/26/2011	422 Lake Drive Alley	329	0	42	2	0	373
FC-072	LIGHT	Larimer	08/02/2011	422 Lake Drive Alley	118	0	93	0	0	211
FC-072	LIGHT	Larimer	08/09/2011	422 Lake Drive Alley	19	0	56	1	0	76
FC-073	LIGHT	Larimer	06/01/2011	118 Grant	0	0	0	0	0	0
FC-073	LIGHT	Larimer	06/07/2011	118 Grant	7	0	0	0	0	7
FC-073	LIGHT	Larimer	06/15/2011	118 Grant	25	0	0	0	0	25
FC-073	LIGHT	Larimer	06/22/2011	118 Grant	66	0	0	0	0	66
FC-073	LIGHT	Larimer	06/28/2011	118 Grant	69	0	1	1	0	71
FC-073	LIGHT	Larimer	07/06/2011	118 Grant	76	0	0	2	0	78
FC-073	LIGHT	Larimer	07/12/2011	118 Grant	32	0	11	1	0	44
FC-073	LIGHT	Larimer	07/19/2011	118 Grant	70	0	3	0	0	73
FC-073	LIGHT	Larimer	07/28/2011	118 Grant	80	0	23	2	0	105
FC-073	LIGHT	Larimer	08/04/2011	118 Grant	24	0	30	0	0	54
FC-073	LIGHT	Larimer	08/11/2011	118 Grant	41	0	37	4	0	82
FC-074	LIGHT	Larimer	06/02/2011	Rockcreek	6	0	0	1	0	7
FC-074	LIGHT	Larimer	06/08/2011	Rockcreek	127	0	0	1	0	128
FC-074	LIGHT	Larimer	06/15/2011	Rockcreek	79	0	1	0	0	80
FC-074	LIGHT	Larimer	06/23/2011	Rockcreek	265	0	2	2	1	270
FC-074	LIGHT	Larimer	06/29/2011	Rockcreek	185	0	9	5	0	199
FC-074	LIGHT	Larimer	07/07/2011	Rockcreek	0	0	0	0	0	0
FC-074	LIGHT	Larimer	07/13/2011	Rockcreek	28	0	1	0	0	29
FC-074	LIGHT	Larimer	07/20/2011	Rockcreek	325	0	21	0	7	353
FC-074	LIGHT	Larimer	07/27/2011	Rockcreek	379	0	42	1	0	422
FC-074	LIGHT	Larimer	08/03/2011	Rockcreek	30	0	27	0	0	57
FC-074	LIGHT	Larimer	08/10/2011	Rockcreek	32	0	5	0	0	37



Colorado Mosquito Control, Inc.

Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-FLOAT	LIGHT	Larimer	07/13/2011	Fort Collins Floater	257	0	31	3	0	291
					129,345	11,433		539		
						25		698		142,040



Aedes-Oc
Anopheles
Culex
Culiseta
Other

TOTAL	%
129,345	91 %
25	0 %
11,433	8 %
698	0 %
539	0 %



Adult Trap Data - Genus Summary

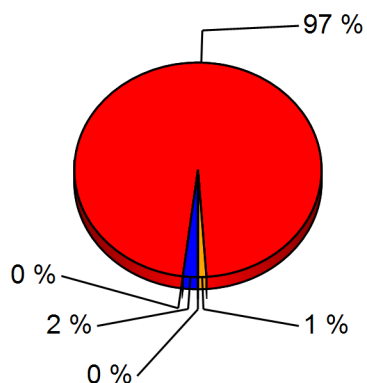
Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-029gr	GRAVID	Larimer	06/17/2011	Bens Park	0	0	4	0	0	4
FC-029gr	GRAVID	Larimer	06/24/2011	Bens Park	2	0	3	0	0	5
FC-029gr	GRAVID	Larimer	07/01/2011	Bens Park	0	0	1	0	0	1
FC-029gr	GRAVID	Larimer	07/08/2011	Bens Park	0	0	6	0	0	6
FC-029gr	GRAVID	Larimer	07/15/2011	Bens Park	0	0	61	0	0	61
FC-029gr	GRAVID	Larimer	07/22/2011	Bens Park	0	0	57	0	0	57
FC-029gr	GRAVID	Larimer	07/29/2011	Bens Park	0	0	68	0	0	68
FC-029gr	GRAVID	Larimer	08/05/2011	Bens Park	0	0	70	0	0	70
FC-029gr	GRAVID	Larimer	08/12/2011	Bens Park	0	0	51	0	0	51
FC-033gr	GRAVID	Larimer	06/08/2011	Sage Creek Gravid	0	0	0	0	0	0
FC-033gr	GRAVID	Larimer	06/15/2011	Sage Creek Gravid	0	0	0	0	0	0
FC-033gr	GRAVID	Larimer	06/23/2011	Sage Creek Gravid	0	0	0	0	0	0
FC-033gr	GRAVID	Larimer	06/29/2011	Sage Creek Gravid	0	0	1	0	0	1
FC-033gr	GRAVID	Larimer	07/07/2011	Sage Creek Gravid	0	0	3	0	0	3
FC-033gr	GRAVID	Larimer	07/13/2011	Sage Creek Gravid	0	0	0	0	0	0
FC-033gr	GRAVID	Larimer	07/20/2011	Sage Creek Gravid	0	0	12	0	0	12
FC-033gr	GRAVID	Larimer	07/27/2011	Sage Creek Gravid	0	0	9	0	0	9
FC-033gr	GRAVID	Larimer	08/03/2011	Sage Creek Gravid	0	0	10	0	0	10
FC-033gr	GRAVID	Larimer	08/10/2011	Sage Creek Gravid	0	0	19	0	0	19
FC-040gr	GRAVID	Larimer	06/07/2011	Redwood	0	0	0	1	0	1
FC-040gr	GRAVID	Larimer	06/14/2011	Redwood	0	0	1	1	0	2
FC-040gr	GRAVID	Larimer	06/22/2011	Redwood	0	0	5	0	0	5
FC-040gr	GRAVID	Larimer	06/28/2011	Redwood	0	0	0	0	0	0
FC-040gr	GRAVID	Larimer	07/06/2011	Redwood	1	0	10	0	0	11
FC-040gr	GRAVID	Larimer	07/12/2011	Redwood	1	0	21	0	0	22
FC-040gr	GRAVID	Larimer	07/19/2011	Redwood	1	0	24	0	0	25
FC-040gr	GRAVID	Larimer	07/26/2011	Redwood	2	0	83	0	0	85
FC-040gr	GRAVID	Larimer	08/02/2011	Redwood	0	0	49	0	0	49
FC-040gr	GRAVID	Larimer	08/09/2011	Redwood	0	0	110	0	0	110
FC-063gr	GRAVID	Larimer	06/09/2011	Red Fox Meadows FCNA	0	0	0	0	0	0
FC-063gr	GRAVID	Larimer	06/16/2011	Red Fox Meadows FCNA	0	0	0	1	0	1
FC-063gr	GRAVID	Larimer	06/24/2011	Red Fox Meadows FCNA	0	0	0	0	0	0
FC-063gr	GRAVID	Larimer	06/30/2011	Red Fox Meadows FCNA	0	0	1	1	0	2
FC-063gr	GRAVID	Larimer	07/08/2011	Red Fox Meadows FCNA	0	0	2	0	0	2
FC-063gr	GRAVID	Larimer	07/14/2011	Red Fox Meadows FCNA	1	0	7	0	0	8
FC-063gr	GRAVID	Larimer	07/21/2011	Red Fox Meadows FCNA	0	0	35	0	0	35
FC-063gr	GRAVID	Larimer	07/28/2011	Red Fox Meadows FCNA	0	0	40	0	0	40
FC-063gr	GRAVID	Larimer	08/04/2011	Red Fox Meadows FCNA	0	0	29	0	0	29
FC-063gr	GRAVID	Larimer	08/11/2011	Red Fox Meadows FCNA	0	0	15	0	0	15
FC-066gr	GRAVID	Larimer	06/07/2011	Prospect Ponds @ Drake	1	0	1	0	0	2
FC-066gr	GRAVID	Larimer	06/14/2011	Prospect Ponds @ Drake	0	0	0	2	0	2
FC-066gr	GRAVID	Larimer	06/22/2011	Prospect Ponds @ Drake	0	0	0	0	0	0



Colorado Mosquito Control, Inc.

Adult Trap Data - Genus Summary

Trap #	Type	County	Date		Ae/Oc	An	Cx	Cs	Other	TOTAL
FC-066gr	GRAVID	Larimer	06/28/2011	Prospect Ponds @ Drake	2	0	0	0	0	2
FC-066gr	GRAVID	Larimer	07/06/2011	Prospect Ponds @ Drake	1	0	3	2	0	6
FC-066gr	GRAVID	Larimer	07/12/2011	Prospect Ponds @ Drake	0	0	7	1	0	8
FC-066gr	GRAVID	Larimer	07/19/2011	Prospect Ponds @ Drake	1	0	26	0	0	27
FC-066gr	GRAVID	Larimer	07/26/2011	Prospect Ponds @ Drake	3	0	25	0	0	28
FC-066gr	GRAVID	Larimer	08/02/2011	Prospect Ponds @ Drake	2	0	7	0	0	9
FC-066gr	GRAVID	Larimer	08/09/2011	Prospect Ponds @ Drake	0	0	18	1	0	19
					18		894		0	
						0		10		922



Aedes-Oc
Anopheles
Culex
Culiseta
Other

TOTAL	%
18	2 %
0	0 %
894	97 %
10	1 %
0	0 %



Adulticide Data

Customer	Subdiv/Area	Material	Start Time	End Time	Miles
Greenstone HOA					
Truck ULV					
06/08/2011	GREENSTONE HOA	AquaLuer 20-20	20:15:00	20:35:00	4.0
06/15/2011	GREENSTONE HOA	Envion	22:25:00	22:40:00	3.0
06/23/2011	GREENSTONE HOA	Envion	23:32:00	23:46:00	2.8
06/29/2011	GREENSTONE HOA	Envion	20:21:00	20:53:00	4.3
07/08/2011	GREENSTONE HOA	Envion	23:17:00	23:35:00	4.1
07/13/2011	GREENSTONE HOA	Envion	22:11:00	22:28:00	4.0
07/20/2011	GREENSTONE HOA	Envion	20:50:00	21:16:00	4.8
07/27/2011	GREENSTONE HOA	Envion	21:50:00	22:09:00	4.0
Truck ULV				Sum	31.0
				Avg	3.9
				Min	2.8
				Max	4.8
Lindenwood HOA					
Truck ULV					
07/08/2011	LINDENWOOD HOA	Envion	23:29:00	23:47:00	4.0
07/27/2011	LINDENWOOD HOA	Envion	20:51:00	21:14:00	4.0
08/03/2011	LINDENWOOD HOA	Envion	20:57:00	21:17:00	3.7
08/25/2011	LINDENWOOD HOA	AquaLuer ULV	20:18:00	20:36:00	3.0
Truck ULV				Sum	14.7
				Avg	3.7
				Min	3.0
				Max	4.0
Paragon Estates HOA					
Truck ULV					
06/08/2011	PARAGON ESTATES HOA	AquaLuer 20-20	20:45:00	20:55:00	2.0
06/15/2011	PARAGON ESTATES HOA	Envion	22:45:00	23:00:00	1.0
06/23/2011	PARAGON ESTATES HOA	Envion	23:21:00	23:29:00	1.5
06/29/2011	PARAGON ESTATES HOA	Envion	22:37:00	22:46:00	1.3
07/13/2011	PARAGON ESTATES HOA	Envion	22:34:00	22:41:00	1.0
07/20/2011	PARAGON ESTATES HOA	Envion	21:22:00	21:32:00	1.7
07/27/2011	PARAGON ESTATES HOA	Envion	22:13:00	22:22:00	2.0
Truck ULV				Sum	10.5
				Avg	1.5
				Min	1.0
				Max	2.0
Willow Springs HOA					
Truck ULV					
06/08/2011	WILLOW SPRINGS HOA	AquaLuer 20-20	21:15:00	22:20:00	5.0
06/23/2011	WILLOW SPRINGS HOA	Envion	22:50:00	23:18:00	5.2
06/29/2011	WILLOW SPRINGS HOA	Envion	22:54:00	23:28:00	5.1



Colorado Mosquito Control, Inc.

Adulticide Data

Customer	Subdiv/Area	Material	Start Time	End Time	Miles
	07/08/2011 WILLOW SPRINGS HOA	Envion	23:49:00	00:13:00	6.1
	07/13/2011 WILLOW SPRINGS HOA	Envion	22:47:00	23:08:00	5.0
	07/21/2011 WILLOW SPRINGS HOA	Envion	23:41:00	00:01:00	5.0
	07/27/2011 WILLOW SPRINGS HOA	Envion	22:30:00	22:50:00	5.0
	08/03/2011 WILLOW SPRINGS HOA	Envion	21:38:00	22:02:00	5.2
Truck ULV				Sum	41.6
				Avg	5.2
				Min	5.0
				Max	6.1
Grand Total					97.8



COLORADO MOSQUITO CONTROL, INC.
Protecting Colorado From Annoyance & Disease Since 1986