



## **GREATER MONCTON PEST CONTROL COMMISSION**

**P. O. Box 23027**

**Moncton, NB**

**E1E 2G9**

### Municipality Report – June 20, 2011

#### Introduction

The GMPCC 2011 season began on April 4<sup>th</sup>, 2011 at the premises located at 120 Assumption Blvd. The summer student field staff started operations on May 2<sup>nd</sup> with eight students. After orientation, field operations were initiated the very same day.

Overall, the past winter had higher than average snowfall which accumulated and remained on the ground for the most part until spring thaw. The snowfall, combined with an above average spring rain, favored an early and abundant 1<sup>st</sup> larval emergence. This did not occur and was possibly due to cool spring temperatures and an abundance of silt deposition in the marshes due to spring runoff. As a result our staff had adequate time to gain control of our marshes along the Petitcodiac. However, the total precipitation has favored the propagation of adult mosquitoes outside of our surveillance territory.

This year GMPCC began its public information and education program at the Moncton Home Show held March 18<sup>th</sup> to 20<sup>th</sup>, 2011. We had over 500 visitors to our booth and presence was well received by the public.

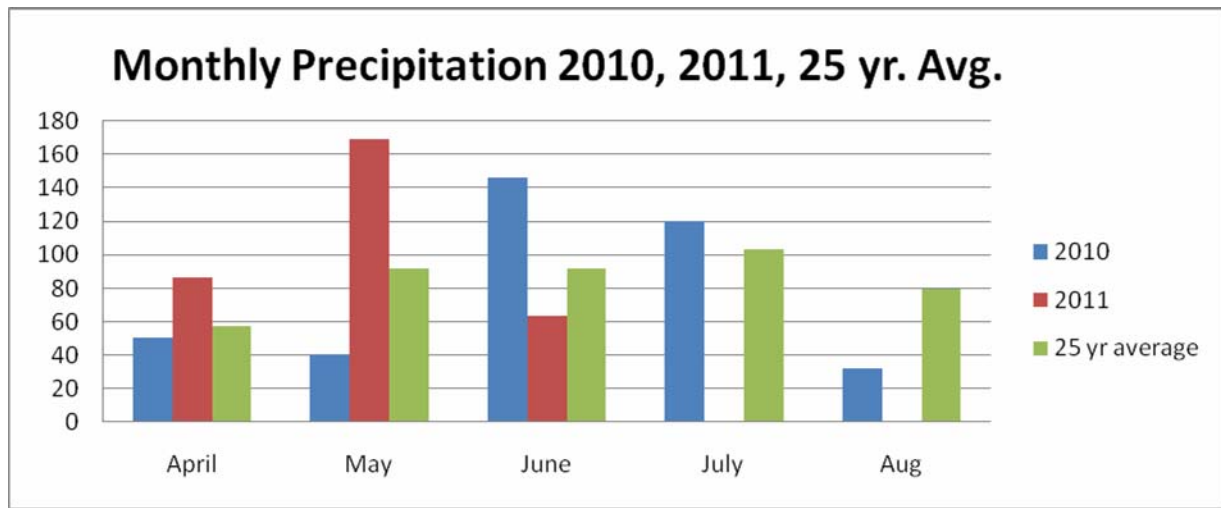
Again this year we continued the dyke monitoring along the Petitcodiac as a result of the opening of the causeway gates in 2010. Larval breeding has been minimal so far mainly due to limited vegetative growth establishing itself and improved drainage of the impoundments.

A first for GMPCC this season was the successful implementation of an environmentally friendly bicycle field monitoring program within the major parks and riverbank trails.

On the whole, GMPCC has had a successful launch to the 2011 field program and at the time of writing we are experiencing a larval emergence keeping our staff on the alert to the challenges that lay ahead.

## Precipitation

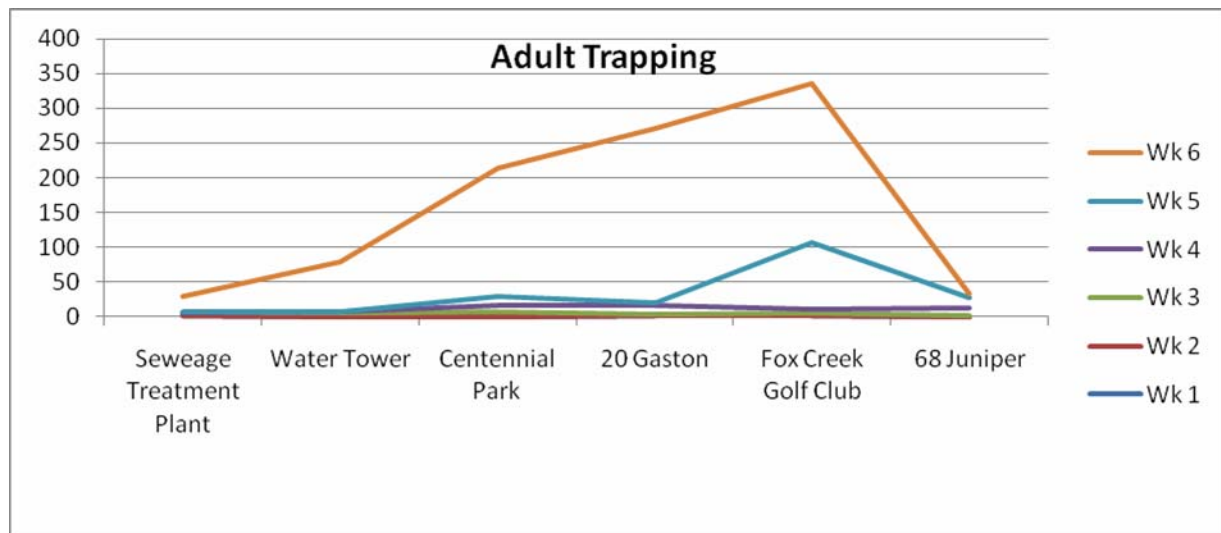
Note the June 2011 data is to June 17, 2011.



## Adult Mosquito Trapping

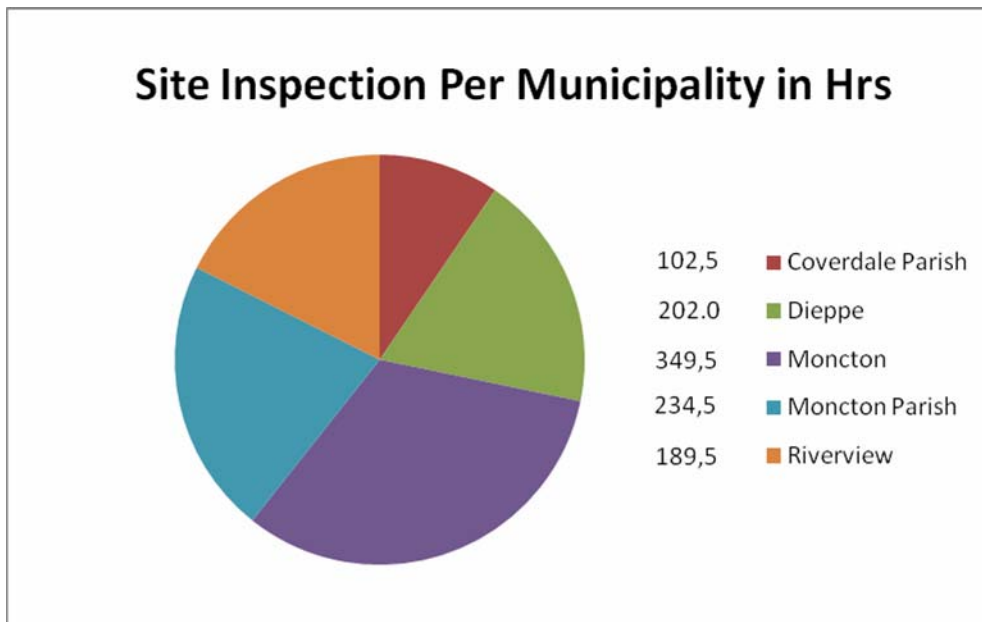
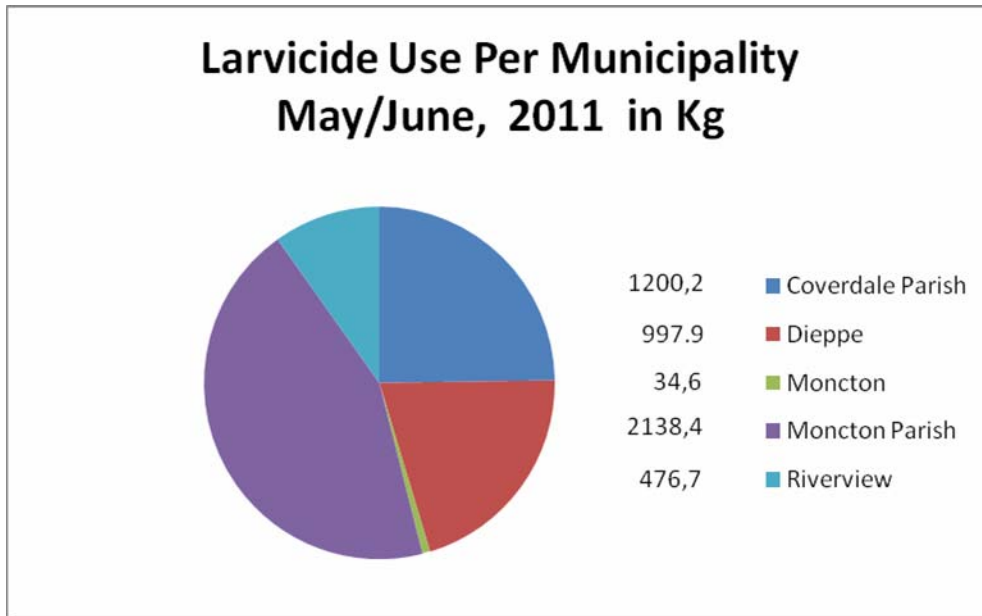
The adult mosquito trapping program began on May 3<sup>rd</sup> using CO<sub>2</sub> baited CDC traps. The traps were installed in the morning and collected the following morning. Six permanent stations are located in the Greater Moncton area. The findings correspond with the emergence peak of June. May had minimal activity, while the week of June 2<sup>nd</sup> and 9<sup>th</sup> began to show higher numbers coinciding with increased air temperatures. The maximum was reported at the Fox Creek Golf Club with a count of 329 mosquitoes reported June 9<sup>th</sup>, followed with a count of 250 mosquitoes at Gaston Street in Sunny Brae and 211 mosquitoes in Centennial Park.

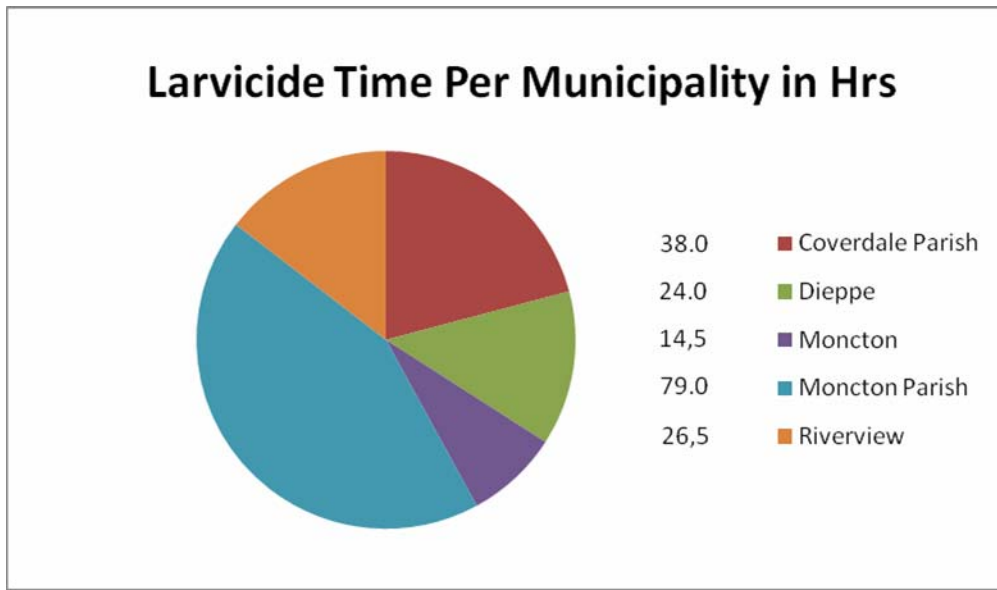
### Summary of Adult Trapping May 4 to June 10, 2011



## Larvicide Use

The total amount of larvicide used to date is 4,847.8 Kg. The majority was utilized within the Moncton Parish limits with 44% of the total, Coverdale Parish 25%, Dieppe 21%, and Riverview 10%. These numbers correlate well with the percentages of marshes within the municipalities. Note these numbers reflect usage to June 13, 2011.





### Community Information and Education



The Moncton Home Show – GMPCC 2011

The Home show offers GMPCC the opportunity to meet and greet the public and show our involvement within the community. The booth set-up was mainly comprised of pictures and information visuals regarding GMPCC. In addition this year, a slide show presentation using a laptop and 32” monitor was introduced.

In general, the Home Show was very successful and well attended by the public with a total of 553 individuals counted as having made contact with GMPCC staff. Citizens are becoming more and more aware of GMPCC activities in the Greater Moncton area and several state they recognize us in the field working to control the mosquito population. Overall people are thankful for our mosquito control activities and encourage us to continue our good work.

Plans are underway to attend the Moncton, Dieppe, and Riverview markets this summer in an effort to continue our community information and education program.

## Petitcodiac Dyke Monitoring Program



April 19, 2011 – Turtle Creek Area

The Petitcodiac dyke monitoring program has continued this year with weekly visits beginning May 4<sup>th</sup> to the monitoring sites in the Turtle Creek, White Frost Trailer Park and Allison areas. Ten locations were established this year, a reduction from 15 in 2010. The resulting coverage is still ample to meet our requirements and reduced the field time required to collect the data from two days to one. In addition, four silt deposit stations were established this year to monitor silt deposition trends within the swales. To date no changes have been noted. No significant larvae development has occurred so far this year. The larviciding agent (BTi) has been applied when necessary.

## Bike Monitoring Program



May 2011, St-Anselme Rotary Park

The bike field monitor program began on May 12<sup>th</sup> for this season. The Go-Green plan adopted for the trails within the community provide GMPCC the opportunity to be seen in an ecologically favorable light and allows for more efficient coverage of the sites. Feedback from the community has been positive and efforts will be made to expand the program.

This report provides a brief summary of the field activities up to mid June 2011. Should you have any comments or suggestions, please contact GMPCC.