



## **GREATER MONCTON PEST CONTROL COMMISSION**

**P. O. Box 23027**

**Moncton, NB**

**E1E 2G9**

### Municipality Report – June 19, 2013

#### Introduction

The GMPCC 2013 season began on April 2<sup>nd</sup>, 2013 at our premises located at 225 Commerce, Unit 10 in the Caledonia Industrial Park. The summer student field staff started operations on May 1<sup>st</sup> with eight students. We have 3 returnees and 5 new staff members.

The spring weather conditions to date have been very wet and cool. The first signs of a larval emergence began in late April. Due to cold weather conditions the larvae emerged slowly coinciding with the student arrival. The crews began larviciding immediately upon start date, since then we have been larviciding at a steady pace keeping up with new larval emergences. To date selective larval spraying within the sites have permitted a good larvae control of our monitoring territory. Significant rainfalls in June have saturated the marshes and at the time of writing large expanses of marsh have flooded conditions.

GMPCC began its public information and education program at the Moncton Home Show held March 22<sup>th</sup> to 24<sup>th</sup>, 2013. We will be attending the Dieppe Market on June 22<sup>nd</sup> and the Moncton Market on July 20<sup>th</sup>. We have tentative plans to be at the Riverview Chocolate Factory on August 17<sup>th</sup>.

Again this year we are monitoring the dykes along both sides of the Petitcodiac River. Larval breeding in the swales has been minimal since trenches were cut through the berms to allow tides to flow in and out of the swales.

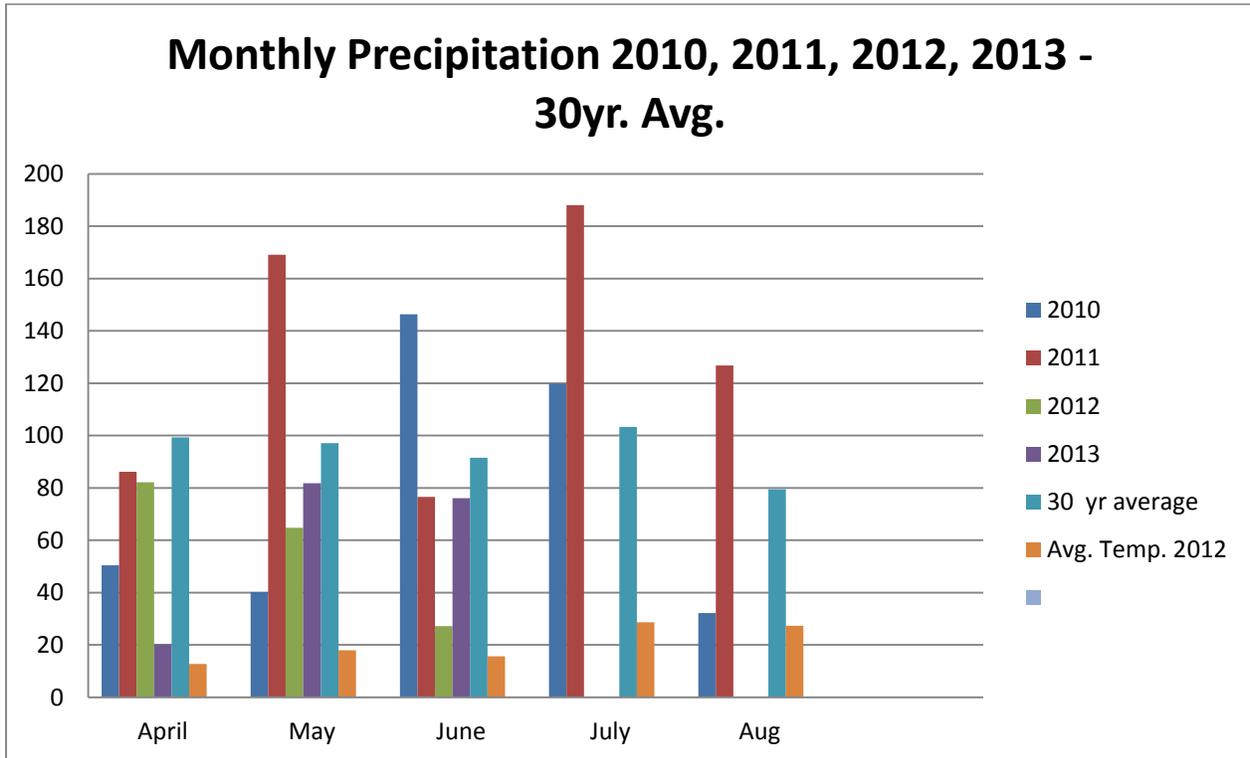
The bicycle field monitoring program continues this year with 4 bikes. All summer staff have participated to date monitoring the parks and various trails in the tri-community.

The GMPCC 2013 monitoring season has been quite successful to date thanks to the diligence of our student staff.

## Precipitation

The data is collected from the Environment Canada web site for Moncton.

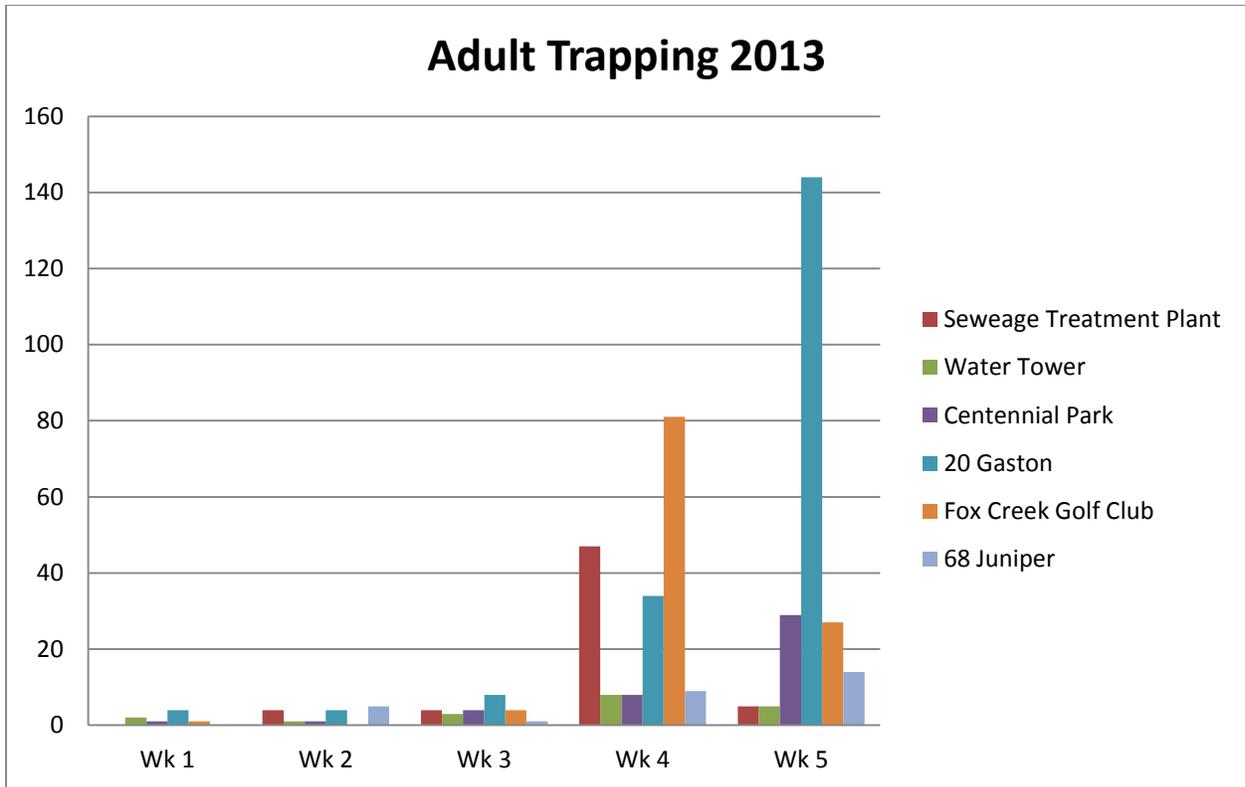
Note the June 2013 data is to June 14, 2013.



## Summary of Adult Trapping May 8 to June 15, 2013

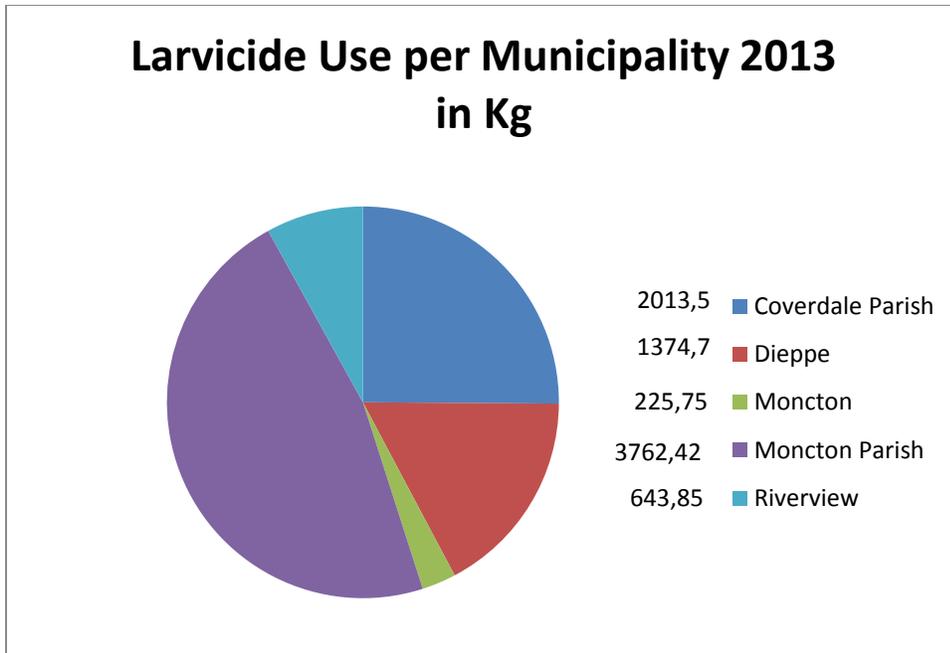
### Adult Mosquito Trapping

The adult mosquito trapping program began on May 8<sup>th</sup> using CO<sub>2</sub> baited CDC traps. The traps are installed in the morning and collected after 24hrs. Two permanent stations are located in each of the Moncton, Dieppe and Riverview municipalities. The findings show a steady increase in the adult population as air temperatures rise. The maximum number of adult mosquitoes was reported at 20 Gaston with a count of 144 mosquitoes reported June 14<sup>th</sup>. Overall the adult counts have been down from the 2012 season.



## Larvicide Use

The total amount of larvicide used to date is 8020.22Kg. The majority was utilized within the Moncton Parish limits with 47% of the total, Coverdale Parish 25%, Dieppe 17%, Riverview 8.0% and Moncton 3%. These numbers correlate well with the percentages of marshes within the municipalities. Note these numbers reflect usage to June 14, 2013.



## Community Information and Education



The Moncton Home Show – GMPCC 2013

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. Again, bird and bat house plans were offered to the public. The Home Show was very successful and well attended by the public with a total of 313 individuals counted as having made contact with GMPCC staff. This compares with last year's results of 318 contacts. 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.

As mentioned in the introduction, we will be attending the Dieppe Market on June 22<sup>nd</sup> and the Moncton Market on July 20<sup>th</sup> 2013. We have tentative plans to be at the Riverview Chocolate Factory on August 17<sup>th</sup>.

## Petitcodiac Dyke Monitoring Program



May 9, 2013 – Petitcodiac River impoundment in the Turtle Creek area

The Petitcodiac dyke monitoring program has resumed this year with weekly site visits beginning May 9th to the monitoring sites in the Turtle Creek, White Frost Trailer Park and Allison areas. Ten locations were reestablished this year at the same locations as 2012. The four silt deposit stations were also reestablished to monitor silt deposition trends within the swales. To date silt deposition has been minimal with deposits ranging from 0cm to 2cm.



SD2-Sediment Monitoring Station May 9, 2013



Monitoring Station S6 May 9, 2013 Turtle Creek

Minimal berm erosion occurred at S6 during the winter months this year. The significant erosion of the berm shown above occurred during the 2011-2012 winter. Last year's trenching cuts continue to allow tides to flow in and out of the swales. This helps to alleviate stagnant water pools and the development of larvae. The larviciding agent (BTi) has been applied when necessary.

## Bike Monitoring Program



May 31<sup>st</sup>, 2013 Centennial Park

The bike field monitoring program began its third season this year. Again 4 bicycles are being used to do surveillance and abatement of larvae along our parks and trails in the tri-community. This year we added the North West Trail to our data base. The trail is approximately 5km in length and begins at Westbrook Circle off Berry Mills Rd to Charles Lutz Rd near the Trans Canada Hwy. We have had a positive response from both our staff and the community at large from our go-green program.

This report provides a brief summary of the field activities up to mid June 2013. Should you have any comments or suggestions, please contact GMPCC.