



GREATER MONCTON PEST CONTROL COMMISSION

P.O. Box 23027

Moncton, NB

E1A 6S8

Municipality Report – June 22, 2012

Introduction

The GMPCC 2012 season began on April 2, 2012, at our new premises located at 225 Commerce, Unit 10 in the Caledonia Industrial Park. The summer student field staff started operations on May 2 with eight students. After orientation, field operations were initiated the same day.

The weather conditions favored an early larvae 1st emergence by mid April. Due to cold weather conditions the larvae emerged slowly and the crews were able to gain control of our flooded marshland sites along the Petitcodiac River with a blanket larviciding in early May. The 2nd emergence occurred in late May with dryer conditions prevailing and larvae control was attained with selective larviciding of water pools within the marshes. The 3rd emergence began in the 2nd and 3rd weeks of June and again selective spraying within the sites permitted a good larviciding control of our monitoring sites.

This year GMPCC began its public information and education program at the Greater Moncton Home Show held March 16 to 18, 2012. We also attended the Dieppe Market in June with plans to attend the Moncton Market in late July and the Riverview Chocolate Factory in August.

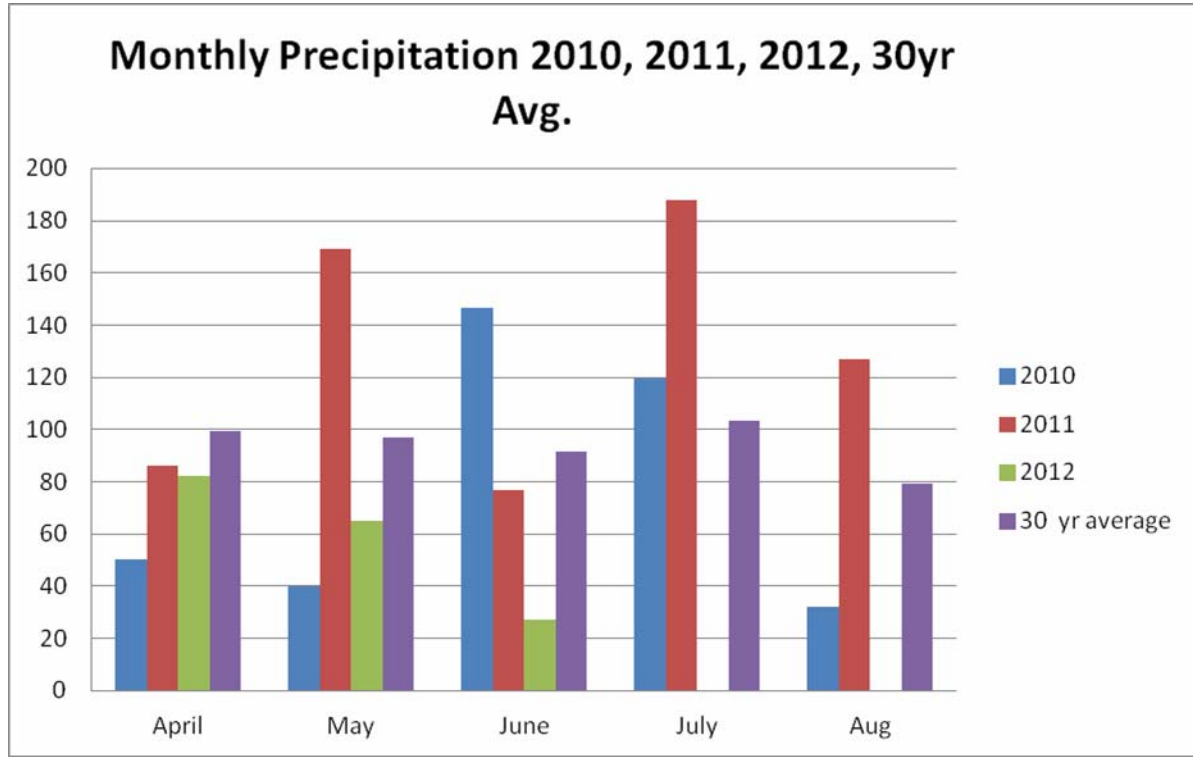
Again this year we continued the dyke monitoring along the Petitcodiac as a result of the opening of the causeway gates in 2010. Larval breeding in the swales has been minimal since trenches were cut through the berms to allow tides to flow in and out of the swales.

The bicycle field monitoring program is underway again this year. The bike fleet has expanded from 2 to 4 bikes allowing greater coverage of our monitoring areas.

On the whole, GMPCC has had a successful launch to the 2012 field program.

Precipitation

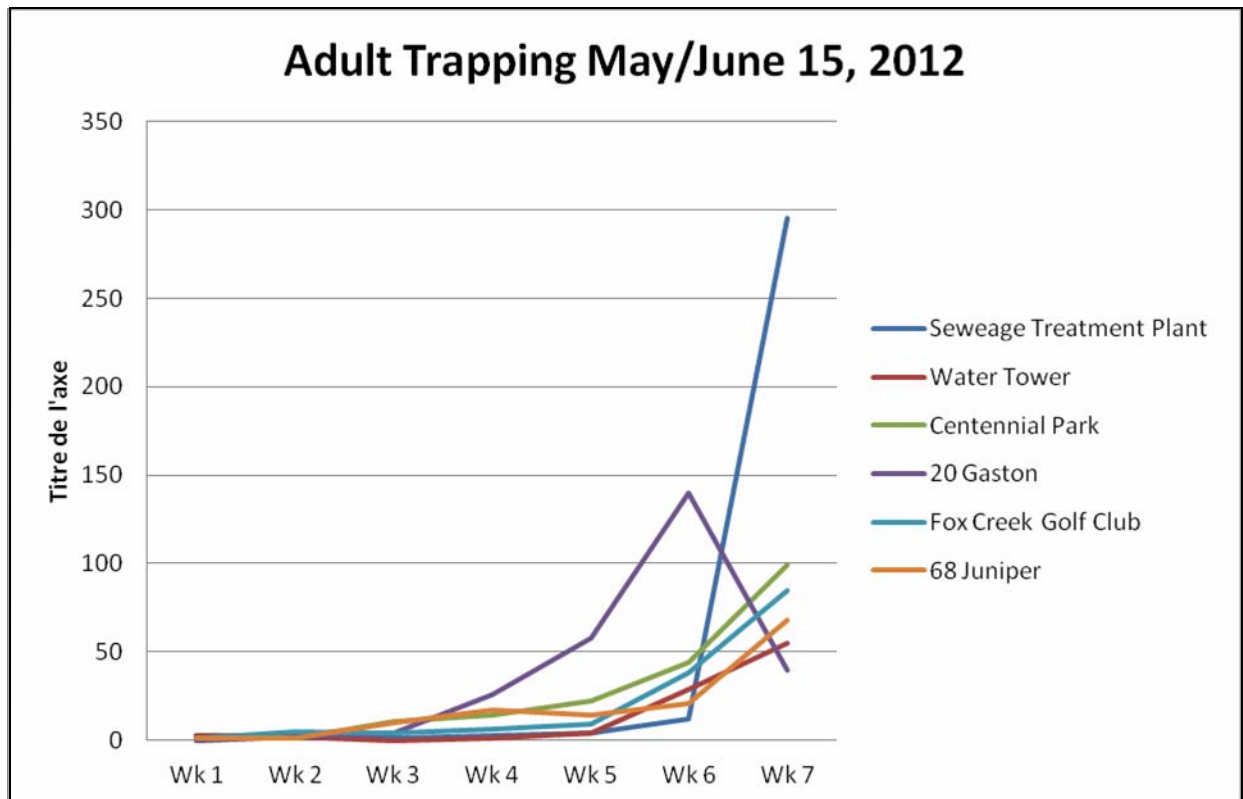
Note the June 2012 data is to June 15, 2012.



Summary of Adult Trapping – May 3 to June 14, 2012

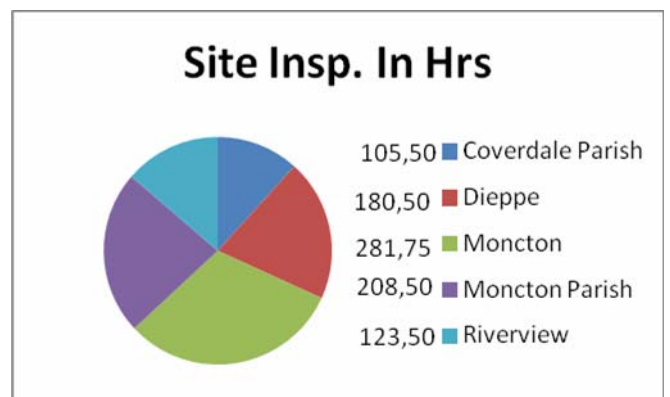
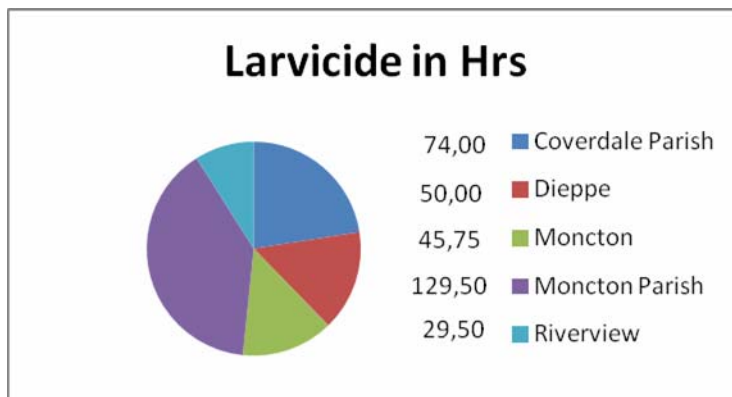
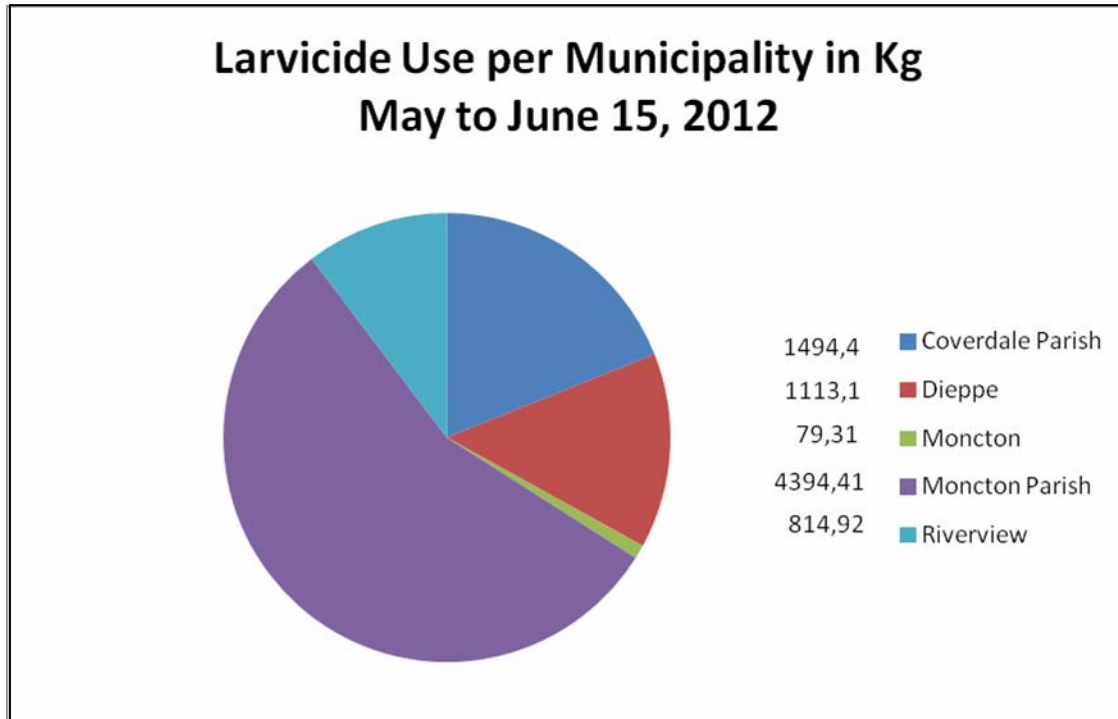
Adult Mosquito Trapping

The adult mosquito trapping program began on May 2 using CO₂ baited CDC traps. The traps were installed in the morning and collected the following morning. Six permanent stations are located in 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 Sewerage Treatment Plant with a count of 295 mosquitoes reported June 15. Overall the adult counts have been down from the 2011 season.



Larvicide Use

The total amount of larvicide used to date is 7896.14 Kg. The majority was utilized within the Moncton Parish limits with 56% of the total, Coverdale Parish 19%, Dieppe 14%, Riverview 10% and Moncton 1%. These numbers correlate well with the percentages of marshes within the municipalities. Note these numbers reflect usage to June 15, 2012.



Community Information and Education



The Greater Moncton Home Show – GMPCC 2012

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. Also this year the slide show was streamlined with less information to read rendering a smoother format for the public to view.

The Home Show was very successful and well attended by the public with a total of 318 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.

Dieppe Market



On Saturday June 9, 2012, GMPCC attended the Dieppe Market and made contact with 50 citizens at our information booth.

In an effort to continue our community information and education program, GMPCC will attend the Moncton Market in late July and the Riverview Chocolate Factory in August.

Petitcodiac Dyke Monitoring Program



May 3, 2012 – Allison area

The Petitcodiac dyke monitoring program has resumed this year with weekly site visits beginning May 3 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 2011. The four silt deposit stations were also reestablished to monitor silt deposition trends within the swales. To date silt deposition has had minimal increases in deposits ranging to 2cm to 8cm. It was observed that some monitoring station stakes from 2011 show deposition in the order of 50cm as shown below in the Allison area.



May 3, 2012 – Allison area



Additional trenching and draining of the swales has continued to alleviate the development of larvae so far this year. The larviciding agent (BTi) has been applied when necessary.

Bike Monitoring Program



June 5, 2012 – Centennial Park

The bike field monitor program was continued for 2012 season. The bike fleet has expanded from 2 to 4 bicycles allowing greater coverage of our monitoring areas. The main usage has been within the parks to monitor and control mosquito larvae. The bikes have also been used successfully to assist with the Petiscodiack dyke monitoring program when dry conditions prevail. Again feedback from the community has been positive.

This report provides a brief summary of the field activities up to mid June 2012. Should you have any comments or suggestions, please contact GMPCC.