

City of Kentwood Gypsy Moth Treatment Results 2010

Aquatic Consulting Services LLC
June 10, 2010

The spring gypsy moth aerial treatments took place on May 20, 2010 under good spray conditions and very good larval and tree development timing. The majority of the gypsy moth larvae were in the second instar and actively feeding, a most desirable condition for this work. The oak tree leaves were generally well developed with even the slower white oaks showing twenty-five percent or better leaf surface. The weather on spray day was warmer than usual but with low winds and high humidity during the spray time. The days following spray were warm and thus conducive to gypsy moth feeding.



On June 8, 2010 we evaluated the results of the spray in Kentwood by examining portions of all of the spray blocks. The evaluation consists of searching for larvae that may still be feeding and/or evidence that they still are feeding. After a few minutes of searching, the "grade" is determined and recorded: #1= Excellent results with almost no caterpillars remaining and no continuous feeding evident, #2 = A few larvae evident after a thorough search but not enough to cause continuing problems, #3 = An ongoing nuisance problem level of larvae, and #4 = Enough larvae remaining to cause tree health problems.



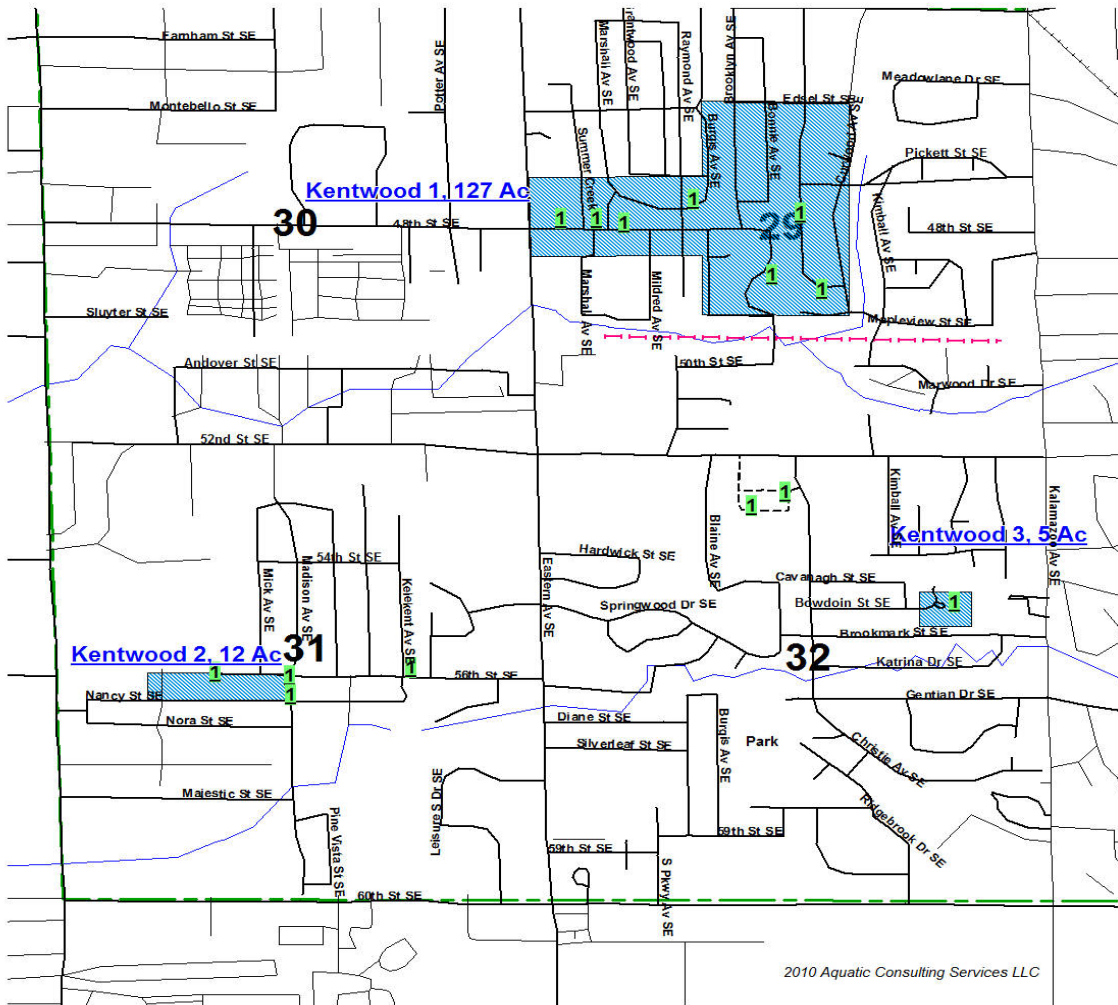
All of the areas searched had excellent results (see map). Almost no caterpillars were found during the entire evaluation and feeding had stopped soon after the spray as evidenced by the scarring around the previous feeding holes in the leaves.

Although the 2010 season will have very low gypsy moths, previous years were not so good and many oak trees were observed either dying or already dead from the previous stresses. Most of these dead or dying trees were on private property, but recommending their early removal before they become a health and property problem is appropriate.

The Emerald Ash Borer adults were beginning to emerge on June 8 and their destruction was already evident. Hundreds of ash trees around the City are dead and dying from this destructive exotic pest.



City of Kentwood Gypsy Moth Treatment Areas 2010 And Treatment Results



1 inch = 0.28 miles

1 = Excellent Results **2** = Good Results **3** = Nuisance **4** = Tree Damage