Kent County GIS

Build It, and They Will Come...
Kent County, Michigan

County Population: 608,000
County Seat: Grand Rapids
A quick overview...

- A cornerstone member of the REGIS project in the mid-90's, formed a more County-centralized program in 2004-2005

- County’s GIS Team now consists of 4 full time employees
  - GIS Team Lead, 2 GIS Analysts, 1 Programmer

- Support numerous County departments with over 75 ArcGIS installs and 200+ Intranet GIS users, and growing number of remote Township/ City users

- ArcGIS, Intranet/ Internet ArcServer applications
<table>
<thead>
<tr>
<th>Some of our “Power Users”</th>
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<tbody>
<tr>
<td>Sheriffs Department</td>
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<tr>
<td>Friend of the Court</td>
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<td>County Health Department</td>
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<tr>
<td>County Drain Commission</td>
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<tr>
<td>Bureau of Equalization</td>
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<tr>
<td>911 Dispatch (KCDA)</td>
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<tr>
<td>Prosecutor’s Office</td>
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<tr>
<td>County Parks Department</td>
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<tr>
<td>Facilities Management</td>
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<tr>
<td>Administrator’s Office</td>
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<tr>
<td>County Circuit/ District Courts</td>
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<tr>
<td>Community Development Office</td>
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<tr>
<td>Department of Aeronautics</td>
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</tbody>
</table>
Kent County Sheriffs Department & Prosecutors Office

- **Emergency Management**
  - GIS Team is part of County’s Emergency Response group
  - Emergency Management Drills and Scenarios

- **Detectives/ Road Patrol/ Community Policing/ SSU**
  - Sex Offender vs. Schools mapping
  - Major Case Detectives mapping for court trials and crime scenes
  - Plotting coordinates of victim/suspect cell phone calls
County Prosecutors & Major Case Detectives
Major Case Detectives

- Cell Phone Coordinates of Suspects
Sex Offender 1000’ Buffer Mapping Tool
Bureau of Equalization
(County Appraiser)

- **Property Description and Mapping**
  - Edit and maintain all parcel-related data for County/REGIS/City of GR
  - Provide maps to public and answer property related questions
  - County Section Mapbook creation

- **County Assessors**
  - Maintain BSS&A County database
  - Sales Mapping
  - Assessed Value Mapping
  - Foreclosure Mapping
  - Use Pictometry and ArcGIS for Appraisals
Property Value Mapping
County Sales Web Application

http://gis.kentcountymi.gov/public/kcsalesviewerweb/
Oblique Imagery
Pictometry Integration

“We can see over the fence, and don’t have to worry about the attack dog…”
Oblique Imagery
Pictometry Integration
Kent County Circuit Court

- Circuit Court annual jury pool geocoding
- Community Service worksites mapping
- Friend of the Court Warrant Mapping
Kent County District Courts - 2007 Jury Pool Statistics

<table>
<thead>
<tr>
<th></th>
<th>59</th>
<th>61</th>
<th>62A</th>
<th>62B</th>
<th>63</th>
<th>County Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Population</td>
<td>38099</td>
<td>197582</td>
<td>69356</td>
<td>45215</td>
<td>224083</td>
<td>574335</td>
</tr>
<tr>
<td>% of County Total</td>
<td>6.63%</td>
<td>34.40%</td>
<td>12.08%</td>
<td>7.37%</td>
<td>39.02%</td>
<td></td>
</tr>
<tr>
<td>Total Jurors</td>
<td>4599</td>
<td>22587</td>
<td>8644</td>
<td>6058</td>
<td>28104</td>
<td>69992</td>
</tr>
<tr>
<td>% of County Juror</td>
<td>6.57%</td>
<td>32.27%</td>
<td>12.35%</td>
<td>8.66%</td>
<td>40.15%</td>
<td></td>
</tr>
</tbody>
</table>
Circuit Court Community Service Worksites
Each officer receives a map of their specific patrol area, with outstanding FOC warrants plotted as points.
Along with the map, the officer receives a spreadsheet that lists each offender within their patrol area (Name, DOB, Address, Warrant Date, Bond Amount)

FOC Bench Warrants City of Rockford October 2011

<table>
<thead>
<tr>
<th>NAME</th>
<th>DOB</th>
<th>ADDRESS</th>
<th>WARRANT DATE</th>
<th>BOND AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORTERVILLE, DONALD</td>
<td>3/28/1965</td>
<td>238 GLENDALE DR NE</td>
<td>4/19/2006</td>
<td>$711.00</td>
</tr>
<tr>
<td>POWE, TIMOTHY</td>
<td>6/10/1966</td>
<td>132 CHILDSDALE APT 206</td>
<td>11/30/2005</td>
<td>$24,448.00</td>
</tr>
</tbody>
</table>
Kent County Department of Aeronautics
Gerald R. Ford International Airport
FAA Part 77 – Tower Tracking

The “old” way....
Post-Its on wall maps
Kent County Department of Aeronautics
Gerald R. Ford International Airport
FAA Part 77 - Tower Tracking
A Few of our GIS Community Partners
Brodey Hill, GISP
Kent County Dept of Information Technology
320 Ottawa Ave NW
Grand Rapids, MI 49503

Email: brodey.hill@kentcountymi.gov
Phone: 616-632-6558

http://www.acesskent.com/YourGovernment/Departments/GIS/