How many people have heard of Three Rivers Park District?
27,000 Acres and growing
454 Miles
10 million visitors
53 Parks and Facilities

<table>
<thead>
<tr>
<th>Activities</th>
<th>Winter Activities</th>
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<tbody>
<tr>
<td>Archery</td>
<td>Cross-country Skiing</td>
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<tr>
<td>Art Education</td>
<td>Downhill &amp; Telemark Skiing</td>
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<tr>
<td>Biking</td>
<td>Skiing</td>
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<tr>
<td>Boating</td>
<td>Skijoring &amp; Dog Sledding</td>
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<td>Camping</td>
<td>Sledding</td>
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<td>Disc Golf</td>
<td>Snowboarding</td>
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<td>Dog Off-leash</td>
<td>Snowmobiling</td>
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<td>Dog Trails</td>
<td>Snowshoeing</td>
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<td>Educational Farming</td>
<td>Tubing</td>
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<td>Fishing</td>
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<td>Formal Gardens</td>
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<td>Geocaching</td>
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<td>Golfing</td>
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<td>Hiking</td>
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<td>Horseback Riding</td>
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<td>Living History</td>
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<td>Mountain Biking</td>
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<td>Nature Education</td>
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<td>Paddling</td>
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<td>Picnic Areas</td>
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<td>Play Areas</td>
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<td></td>
<td>Swimming</td>
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</tbody>
</table>
10 years ago...
8 years ago...
Transition begins...

1000s ~150
HUGE data collection effort
Today...

Maps

Data Development

Technical Support

Web Applications

GPS Data Collection

Park District Geniuses
Why GeoEvent Processor?

...Park District GIS built “Out of the box”
Why GeoEvent Processor?

...no developers on staff
Why GeoEvent Processor?

...GIS automation limited to models and copied script
Traditional Real-time GIS...

...Vehicle Tracking
Traditional Real-time GIS...

...2 use cases
Traditional Real-time GIS...

Cogburn CB4 Fat Bike - Realtree Max-4 - 2015

The Realtree Max-4 CB4 fat bike is built to take you far into the backcountry thanks to extremely wide tires that provide flotation and amazing traction over rough or soft terrain.

$2199.00

REI Members get back an estimated $219.90 on this item as part of their annual member refund.

Choose your Color/Size

Real Tree May 4

...Fat Tire Bikes
Fat tire bike workflow...

- GPS Data Feed (JSON)
  - Update
    - Last Known Location (LKL) Point per device
  - Add
    - Location historical log
- LKL Feature Class
  - Outside Park Property
    - Voice robo call (using Zapier - web socket output)
  - Low Battery
    - Text Message
    - Change icon on map
    - Email Notification
Fat tire bike GeoEvent Service...
Non-traditional Real-time GIS...

...remember, no developers/scripters on staff, only copy-pasters
Non-traditional Real-time GIS...

...district nursery – trees are assets too!
Trees are assets too...
Trees are assets too…

- GPS new tree location
  - Verify Liner ID
    - Email errors to forestry staff
  - Geotag point with Planting site ID
    - Submit to Asset Mgmt
  - Process point to final layer
    - Status changed in staging layer
    - Copied to Production layer
    - Create asset
    - Close out inventory
  - Prepare for asset creation
  - Change status to planted
Trees are assets too...
Trees are assets too...
Trees are assets too...
Lessons learned...

...6 months to become dangerous
Lessons learned...

...different syntaxes
Lessons learned...

...data schema versus event schema
Lessons learned...

...filter field mistake
Future plans...

500 feet to trail

¼ mile to nearest geocache

...geocache rule verification
Future plans...

Report a cultural resource.

1. Enter Information
   - Name
   - Phone
   - Email

...cultural resource notification
Future plans...

...crowdsourcing notifications and initial analysis
Questions?

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