



Advancing GIS Technology at Durham Region Stephanie Jones and Sarah Rice May 1st, 2025

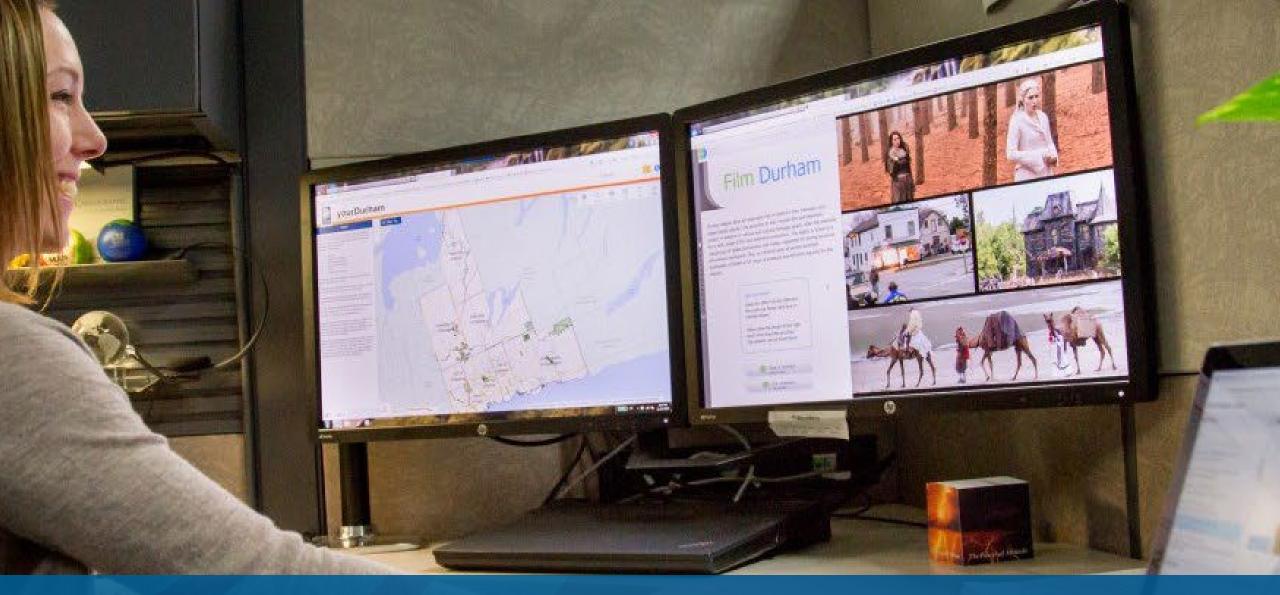




Agenda

1	GIS at Durham Region
2	The Web GIS Upgrade Project
3	Success Stories
4	Next Steps







GIS at Durham Region





About Durham Region

- Upper-tier municipality
- Population 753,090*
- Over 7000 employees
- 8 Departments
 - Community Growth and Economic Development
 - Corporate Services
 - Finance
 - Health
 - Office of the CAO
 - Social Services
 - Transit
 - Works

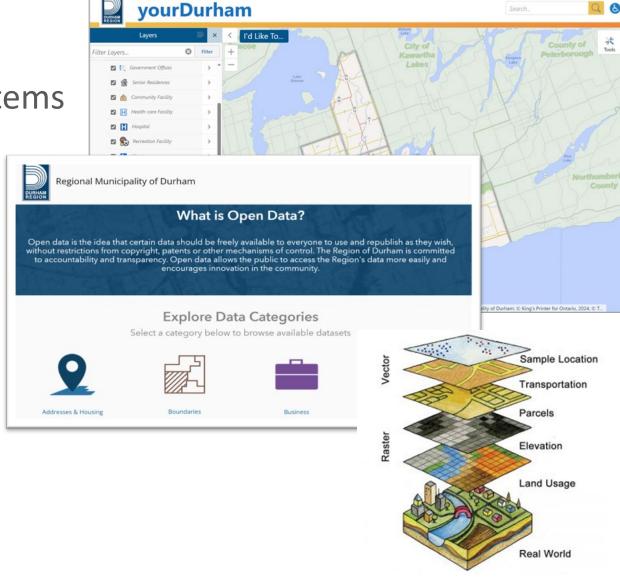






GIS is...

- Geographic Information Systems
- ESRI Software Platform
- Spatial Data
- Application Development
- Spatial Analysis







Web GIS Users at the Region



- Diverse skillsets
- Different maturity levels
- Decentralized model

Power Users

CS-IT







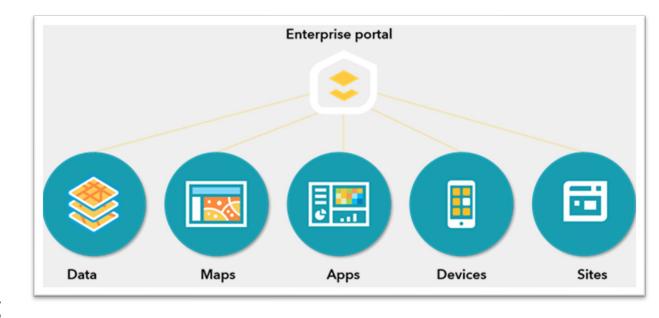
The Web GIS Upgrade Project





What is ArcGIS Portal?

- Portal is part the ESRI GIS platform
- Website/repository for GIS content
 - Create, use and share spatial data.
 - Create, save, and share web maps and scenes.
 - Create and host web mapping apps.
 - Search for GIS content within your organization.
 - Create groups for sharing GIS information with coworkers.
 - Share links to GIS apps.

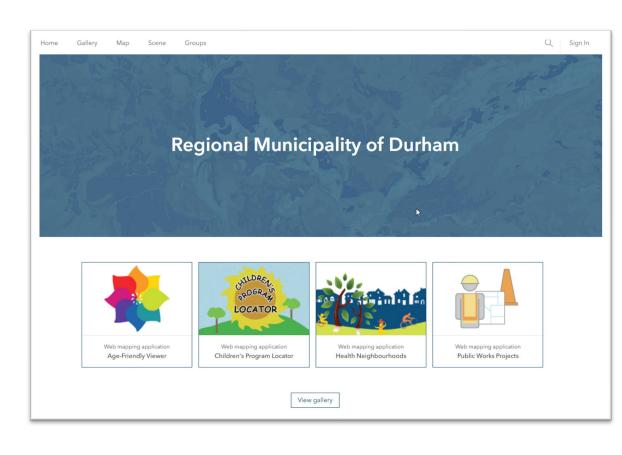






Where we started

- Internal only implementation
- Only promoted to a handful of power users
- Minimal use and adoption
 - Only a fraction of potential was being utilized
- Users wanted more ability to develop and self-serve







The goal











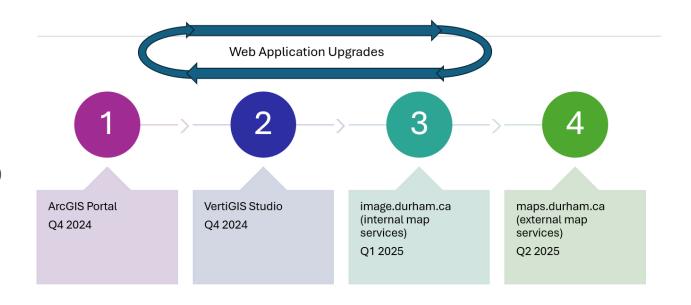






What we did

- 1. Provisioning of new server environment
- 2. Security and privacy assessments
- 3. Upgrade from 10.8.1 to 11.3
- 4. Licensing model
- 5. IT best practices
 - Implement AzureApplication Gateway









Success Stories





Public Mapping

50th Anniversary
Story Map

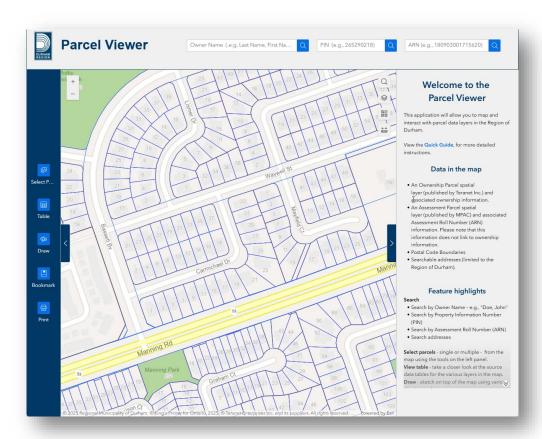




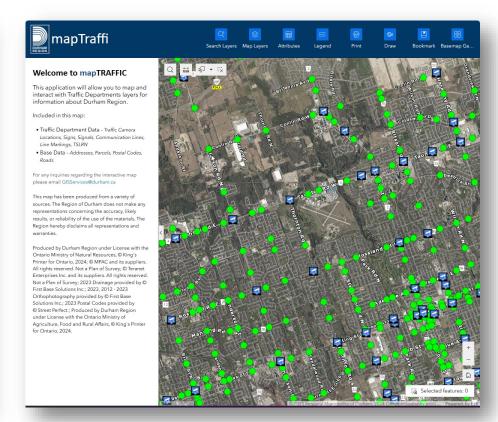


Internal Mapping

Parcel Viewer



mapTraffic

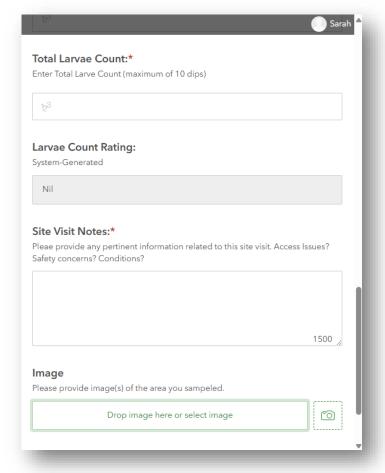


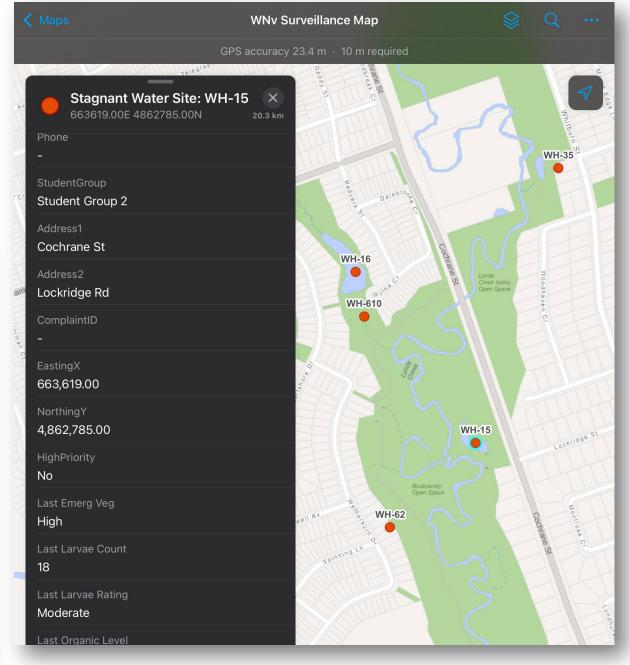




Field Worker Apps

 West Nile Virus Field App









Where we are going

- Continue Building Community
 - Creation of user group and working group
 - Develop Governance
- 2. Expand functionality
 - Empower to users to publish data
 - Integration with other data sources





Thank you!



Stephanie Jones Supervisor, GIS and Data Analytics Stephanie.Jones@durham.ca

Sarah Rice Senior GIS and Data Analyst Sarah.Rice@durham.ca

durham.ca @RegionofDurham f X in D

