GIS WEBVIEWER TRAINING

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Introduction

• The Bay County and Bay City FetchGIS Service is a web and mobile application developed to serve those interested in our community.
• The service provides access to Bay County and Bay City information through interactive mapping and information discovery tools.
• Information provided in the service includes geographic information system (GIS) data managed as map layers like parcels, transportation and imagery, in addition to land information maintained by the Bay County Equalization Department and Treasurer’s Office.
Map Basics

- **Overview Map**
- **Zoom In** - Click and drag the mouse over an area, then release to zoom in. The smaller the drawn box, the further the map will zoom in.
- **Zoom Out** - Click and drag the mouse over an area, then release to zoom out. The smaller the drawn box, the further the map will zoom out.
- **Original Zoom** - Returns map to the original view.
- **Zoom Previous** - Returns the map display to the previous view after a zoom action has been performed.
- **Zoom Next** - Returns the map display to the previous view after a Zoom Previous action has been performed.
- **Pan** - Click and drag map display to change location.
- **Incremental Zoom** - Zoom controls located just left of the Navigation Toolbar used to zoom in (+) or zoom out (-) one level.
Map Basics

- Help and General Information
- Print Map
- Share This Map
- Toggle GPS/My Location
- Toggle Layers (visibility & legend)
- Search Options
- Map Tools (draw, measure, buffer)
- Change FetchGIS Service
- Extra Links (Google Streetview)
- Log In (Fee Access, Private Access)
Layers

- Parcels
- Informational: Streets, Floodplain, Wetlands, Points of Interest, Parks, Trails, Schools, Public Safety, Voting
- What would you like to see?
How to Search

• Parcel Search- need 14 digit parcel number
• Owner Name- will produce a list of owner with the name in bay county- e.g. search Stark and get 27 results in Bay County
• Street Address- Address name and number can be case and spelling sensitive- e.g.. Spelling out 9th street such ninth street
• Road Intersection- looking for a intersection between streets
• Coordinate Search- decimal degrees (-83.902, 43.580)
Tools

- Drawing Tools:
  - Point Tool
  - Line Tool
  - Polyline Tool
  - Polygon Tool
  - Freehand Polygon Tool
  - Add Text
**Tools**

- **Measurement Tool** -
  - **Location** - Gives Degree and Long/Lat point information
  - **Distance** - Calculates distance from selected point to point
  - **Area** - Must double right click to complete area

- **Buffer Tool** - Create a buffer zone of a certain distance around selected area or parcel

- **Miscellaneous Tools** - A tool that allows users to change from aerial data from 2005, 2010, and 2015
Printing

The following options can be modified for a Map:

- **Title** - Enter a new Map Title in the input box.
- **Subtitle** - Add a Subtitle by entering text in the Subtitle input box.
- **Paper Size** - Select between Letter and Legal for paper size.
- **Paper Orientation** - Select Landscape or Portrait.
- **North Arrow** - Select a North Arrow to be used in the Map.

Then Generate the PDF map for printing or print from page...
Example of Project

Creating a map of a new projected trail and the locating the adjacent home owners impacted by the trail

• Find Location by either zooming into the subject area or use the search tool.

• Creating a trail from the corner of Old Kawkawlin Road and Wheeler Road to Bay City State Park
Example of Project

- Create Trail poly-line using drawing tools - Tip can hold down right mouse button to move map and use scroll to zoom in and out, while creating line.
Example of Project

- Using buffer tools to create 50 foot buffer around created polyline - first select route then click run
- Will generate a list of affected Parcels
Example of Project

Save Parcels as CSV file

Labels created from Selected Parcels
Example of Project

Insert Text for Map production using Add Text

- Add Text options will appear and once completed just select where the text goes
- Once on map can select again to edit text
Example of Project

Printing route on Fetch

Add Title and Subtitle

Add Title and Subtitle

Adjust Map Area

Generate PDF or Print Map

Date and time will be current
Example of Project

Finished PDF Map