

Ottawa County Recreation Mapping

<https://gis.miottawa.org/ottawa/geocortex/recreation>

Instruction Manual & Tips/Tricks

Clickable Picture Guide



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<http://gis.miottawa.org>

<http://miottawa.org/Departments/GIS>

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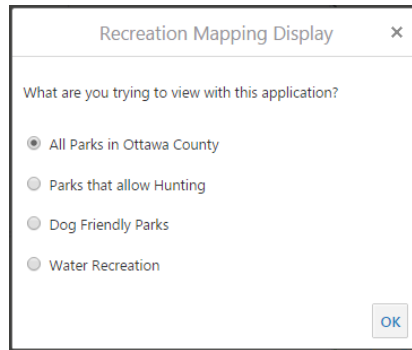
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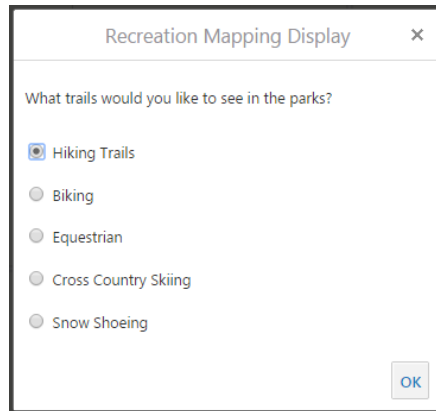
Startup

When the application initially loads, a window will appear to ask what your primary reason for using this application is. When you select an option, it makes some layers visible and some layers hidden.

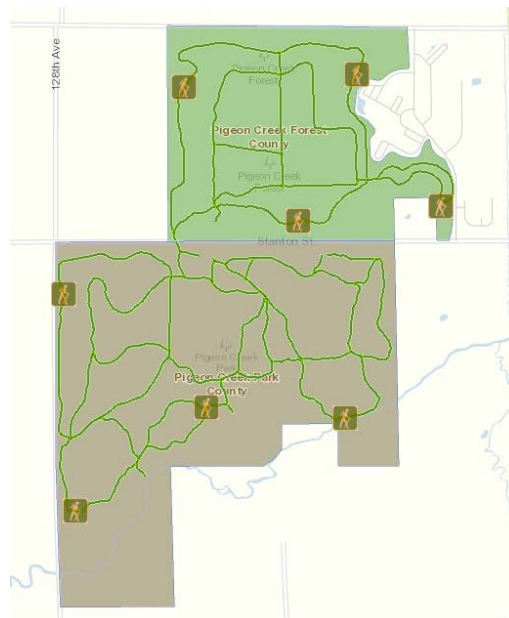


Option 1 - All Parks in Ottawa County

Once this option is selected, a new window will appear that asks what type of trail you are interested in. Most of the trails have several designations for type which will cause overlap; the option below will reduce the clutter on the map to more of what you are interested in.



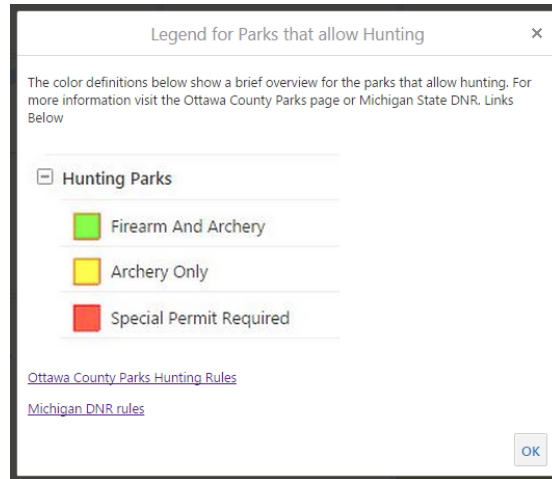
Once you press 'OK', the map will appear showing the trails you designate, centered on Pigeon Creek County Park. This is an example, with 'Hiking Trails' selected:



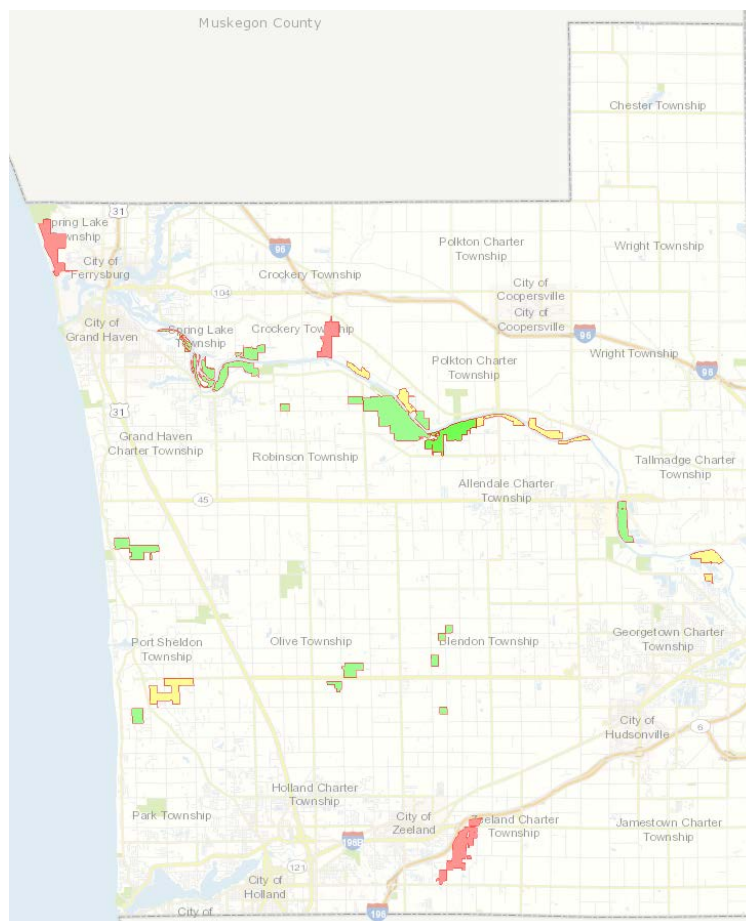
Proceed to [Navigation](#) below

Option 2 - Parks that allow Hunting

Once this option is selected, a new window will appear that shows a quick legend of how to determine what the rules each park has at a glance. For more information on each park, use the [Identify Tool](#) to learn more. The parks that allow hunting are divided into 3 categories: Firearm and Archery (meaning you can use a firearm or archery equipment to hunt), Archery Only (meaning you cannot use a firearm in this park), and Special Permit Required (meaning there is hunting allowed, but only by those that have a permit from the Park owner). Also on this initial page are two links. The top link will navigate you to the [Ottawa County Parks](#) page that has the hunting rules laid out for their parks. The bottom link will navigate you to the [Michigan Department of Natural Resources](#) with regards to its hunting rules and regulations.



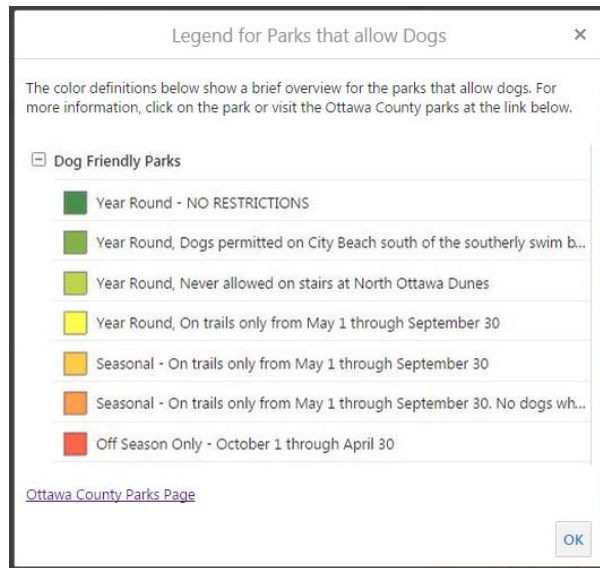
Once you press 'OK', the map will appear showing the entire county with those parks highlighted that allow hunting.



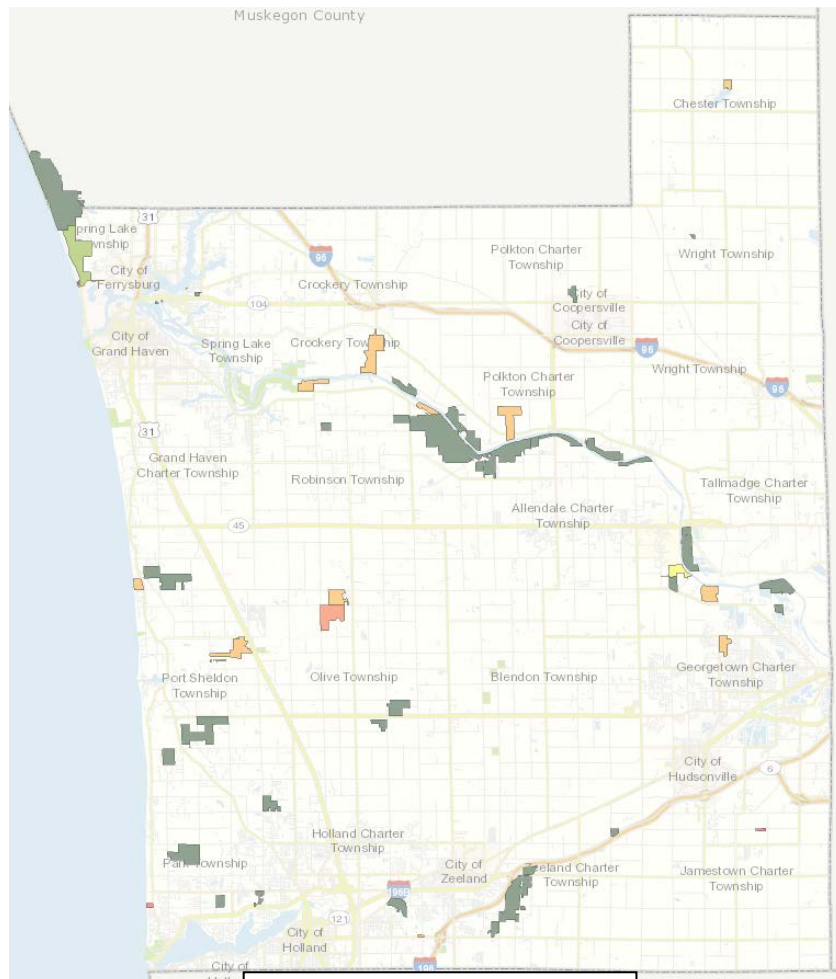
Proceed to [Navigation](#) below

Option 3 - Dog Friendly Parks

Once this option is selected, a new window will appear that shows a quick legend of which parks allow dogs and how strict the rules are. The darker green denotes no rules all year, whereas the red still allows dogs, but only off season. There is also a link at the bottom of this window that will direct you to the [Ottawa County Parks](#) page that has the rules for their parks.



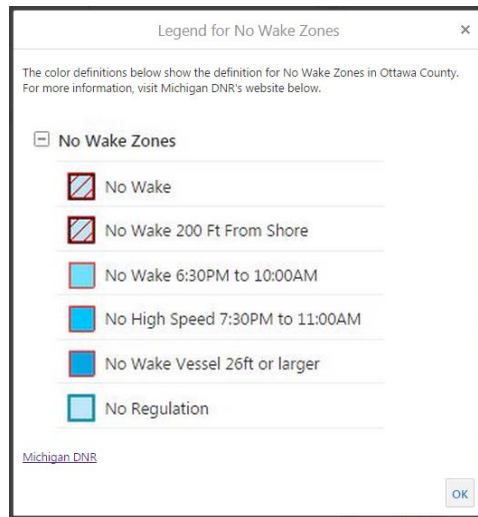
When you press 'OK', you'll see the entire county with the parks that allow dogs highlighted in their corresponding color.



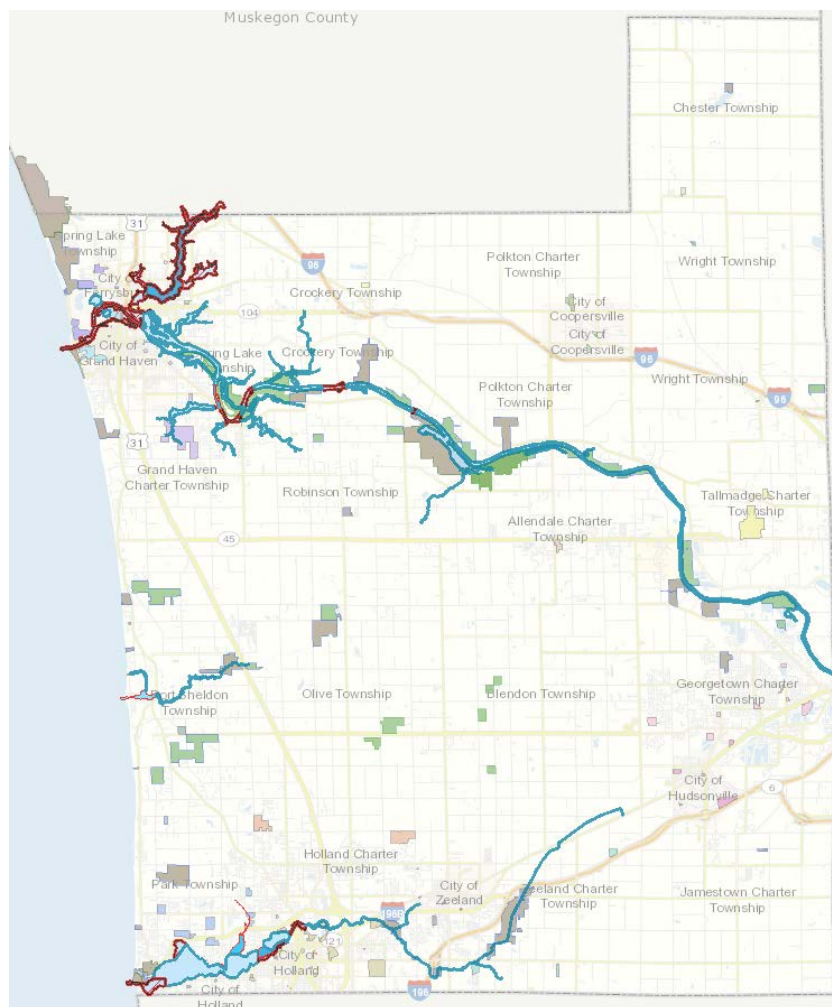
Proceed to [Navigation](#) below

Option 4 - Water Recreation

Once this option is selected, a new window will appear that shows a quick legend of the 'No Wake Zone' rules for the major waterways in Ottawa County including: Grand River, Pigeon Lake/River, Macatawa Lake/River. At the bottom of this window is a link to the [Michigan Department of Natural Resources](#) for more information.



When you press 'OK', you'll see the entire county showing the 'No Wake Zones' and all the parks and trails as you zoom in.



Proceed to [Navigation](#) below

Navigation

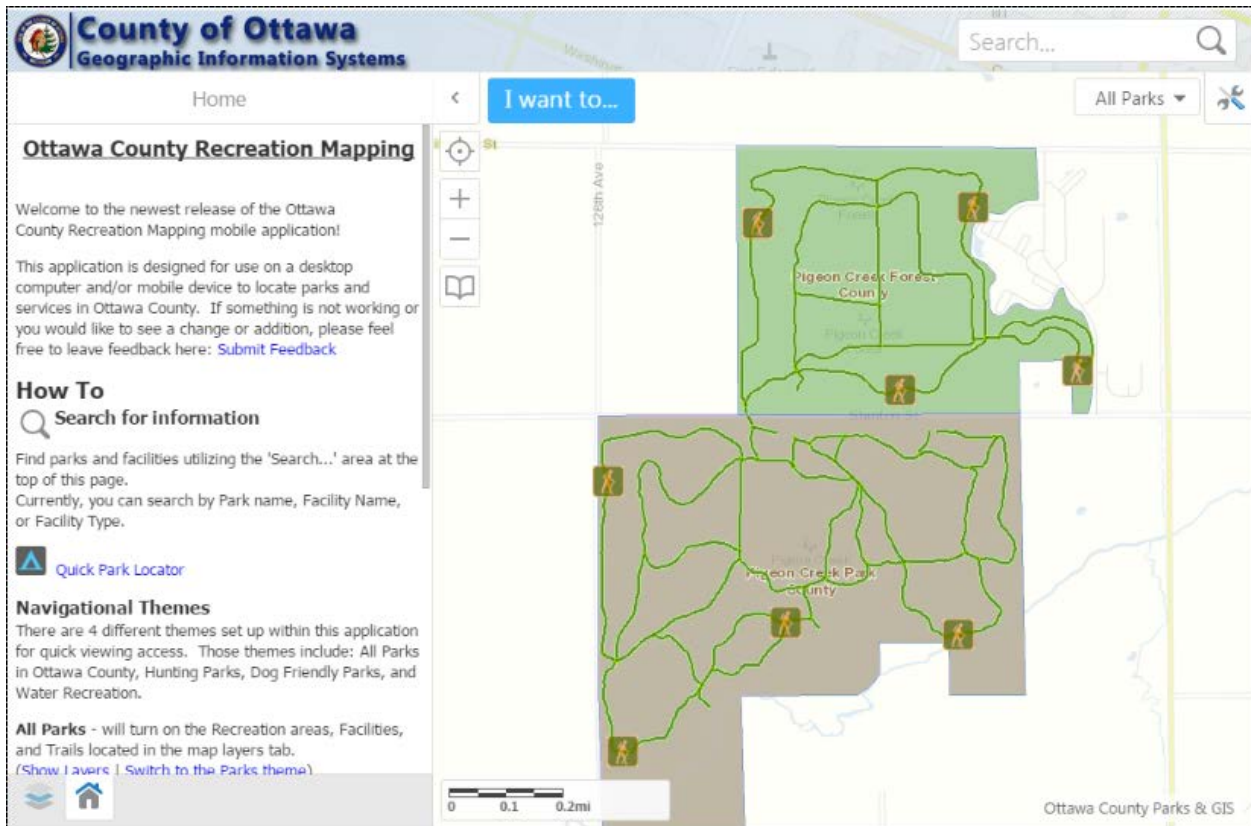
This section will help you navigate the application as well as finding data on the map.

Desktop/Tablet

After you have toggled through the proper view (demonstrated [above](#)), the application will load showing you a base configuration that we will now help guide you through.

Interface & Tools

Below is what is displayed when the map is fully loaded.

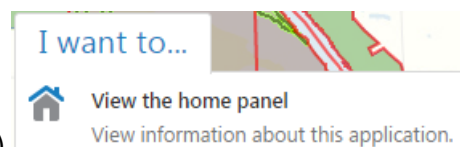


The application automatically opens the 'Home' tab that shows some brief information about the application.

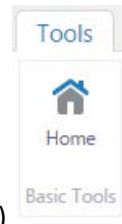
Home Panel

The home panel can be opened in several ways.

The first being the house icon at the lower left of the reading pane.



Another way is in the 'I want to...' menu (we'll get into that [here](#))



Another way yet is in the 'Advanced Toolbar' (we'll get into that [here](#))

There is useful information and links that will help you navigate to the park you are searching for. The home screen is broken up into four areas. Those areas are outlined here:

Overview

The overview states:

Welcome to the newest release of the Ottawa County Recreation Mapping mobile application!

This application is designed for use on a desktop computer and/or mobile device to locate parks and services in Ottawa County. If something is not working or you would like to see a change or addition, please feel free to leave feedback here: [Submit Feedback](#)

The 'Submit Feedback' link will take you to another page where you can make a request, ask how to do something, or send a letter of appreciation.

How To...

The 'How To...' section states:

Search for information

Find parks and facilities utilizing the 'Search...' area at the top of this page. Currently, you can search by Park name, Facility Name, or Facility Type.



[Quick Park Locator](#)

What this is saying is that if you know what Park you are looking for, you can type it in the search bar on the top right and locate the park or facility in question. If you don't know the name of the park, there is another tool that will allow to search by township or by park name. To view more information on this tool, this link will navigate you to the corresponding documentation within this article. [Quick Park Locator](#)

Navigational Themes

There are 4 different themes set up within this application for quick viewing access. Those themes include: All Parks in Ottawa County, Hunting Parks, Dog Friendly Parks, and Water Recreation. You are still able to turn on any other layer, but this makes a quick and easy change for viewing specific data.

All Parks

This theme will turn on the Recreation areas, Facilities, and Trails located in the map layers tab.

[\(Show Layers\)](#) | [Switch to the Parks theme](#)

Hunting Parks

This theme will turn on the Hunting Parks and Facilities located in the map layers tab.

[\(Show Layers\)](#) | [Switch to the Hunting theme](#)

Dog Friendly Parks

This theme will turn on Dog Friendly Parks, Trails, and Facilities located in the map layers tab.

([Show Layers](#) | [Switch to the Dog theme](#))

Water Recreation

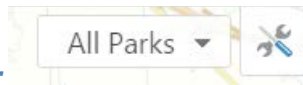
This theme will turn on Water Facilities, Beaches, No Wake Zones, Recreation Areas, Trails and Non-park Paths located in the map layers tab.

([Show Layers](#) | [Switch to the Dog theme](#))

Advanced Toolbar

The advanced toolbar allows higher interaction with the application. Tools include print maps, measure, find data, draw features, and more. You can open the toolbar by pressing the screwdriver/wrench icon in the top right or press the link below.

[Open Toolbar](#) More information about the advanced toolbar can be found [here](#)

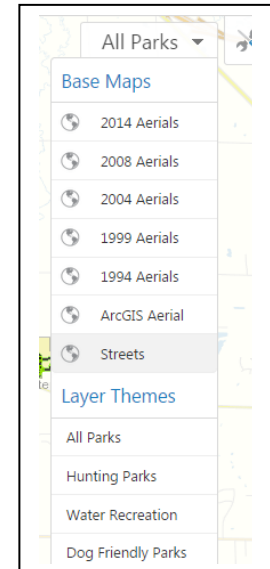


Base Map Switcher


The base map switcher is located in the top right corner of the application. It displays what 'Theme' you are currently viewing. If you click anywhere within the rectangle a list will appear that will allow you to switch what base map you are currently viewing.

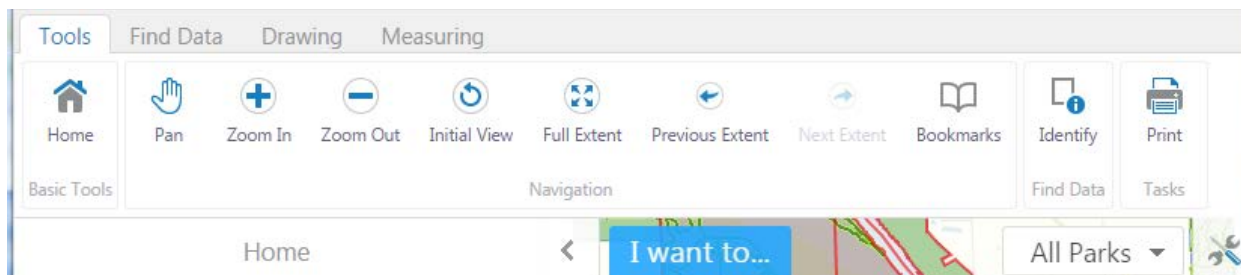
The options are broken up between base maps and themes. When you click on any of the base maps shown, it will switch between different aerial photography flights.

At the bottom, there is a list of themes that you were originally shown when you opened this application. This allows you switch back and forth without having to refresh the app. See more about themes [here](#).



Advanced Toolbar

To open/close the advanced toolbar, press the button in the top right corner of the application . It is also accessible in the 'I want to...' menu and at the bottom of the home panel. When this panel is opened, it shows the following:



We'll get more into the tools in [this section](#) below.



I want to...

This tool gives quick access to important tools. An overview of each tool is as follows:

View the home panel – View information about this application

Find data on the map – Click, tap, or draw a rectangle on the map to identify features.

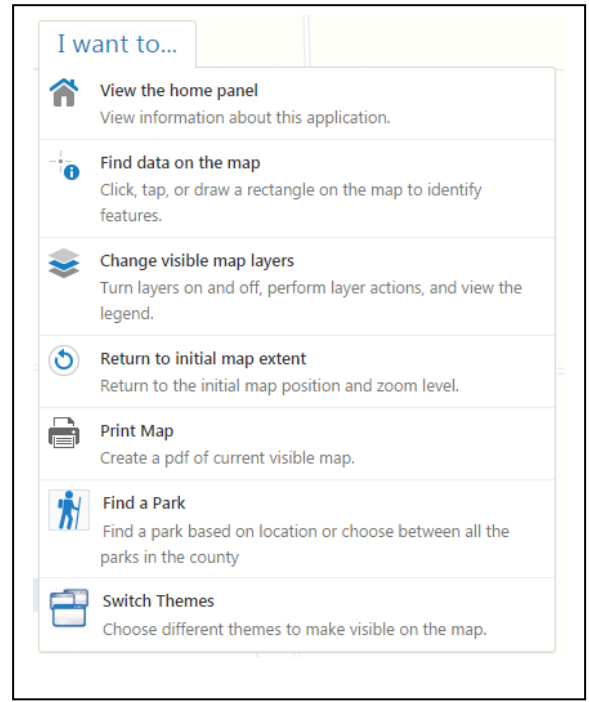
Change visible map layers – Turn layers on and off, perform layer actions, and view the legend.

Return to initial map extent – Return to where the map was at when it started.


Print Map – Create a pdf of the current visible map

Find a Park – Find a park based on location or choose between all the parks in the county

Switch Themes – Choose different themes to make visible on the map.



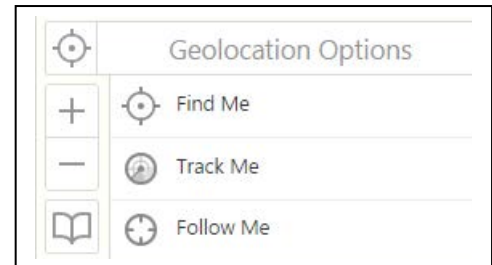
GPS Locator

To utilize the GPS locator, click the icon in the top left corner  . The three options are described below:

Find Me – Pans to the location of the user, as marked by an indicator.


Track Me – Tracks the user's location with an indicator, without panning the map.

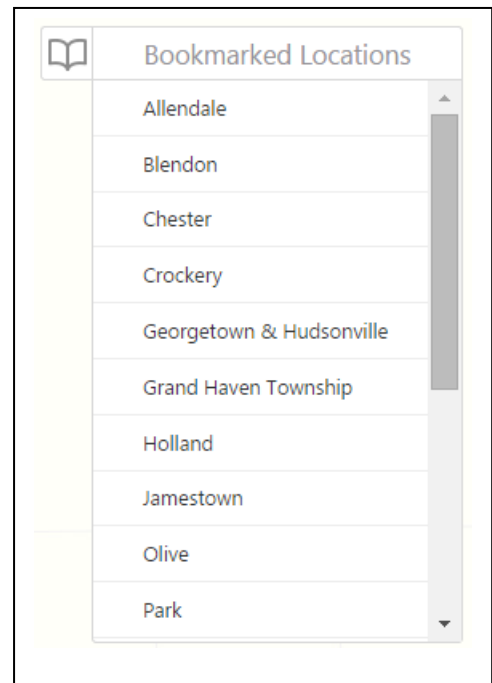
Follow Me – Follows the user's location with an indicator, while automatically panning the map as the user's location changes.



Bookmarks


This tool allows you to zoom to set extents. To utilize this tool, click on

the  icon in the top left corner. Once this button is clicked, a list of extents will appear showing the names of the municipalities in the county. Click on any one and it will zoom to show that local unit.



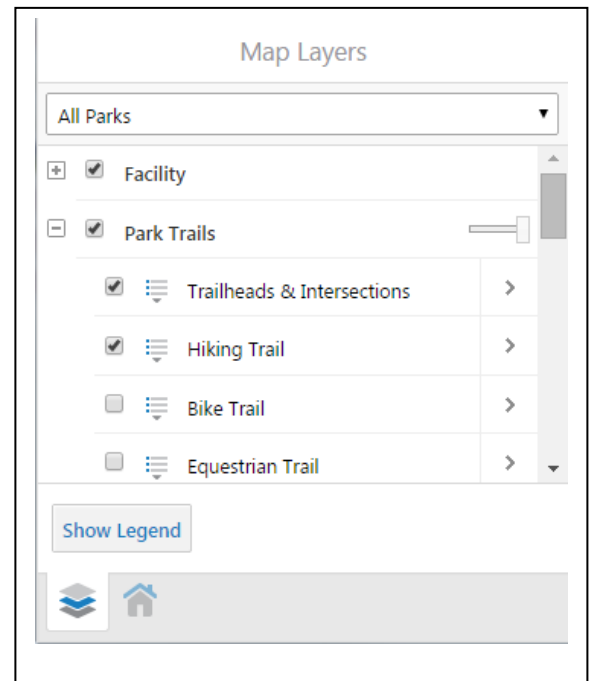
Layers



There are two ways to show the layers that are currently visible as well as the ones that are available. The first being the icon  in the lower left hand corner and the other is in the 'I want to...' menu. Once this button has been clicked, a list of available layers and themes will appear. The layers with a check mark next to them are visible and those without are not visible. For more information, see the [Layers section](#) below.

Legend

One other pertinent piece to the layers tab is the 'Legend' section. When this is pressed, the layers pane will switch to show what color or symbol represents its corresponding layer.




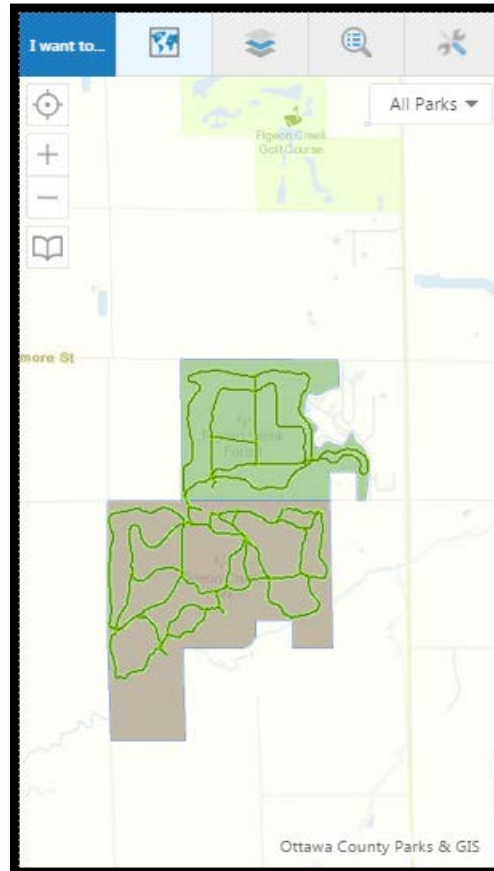
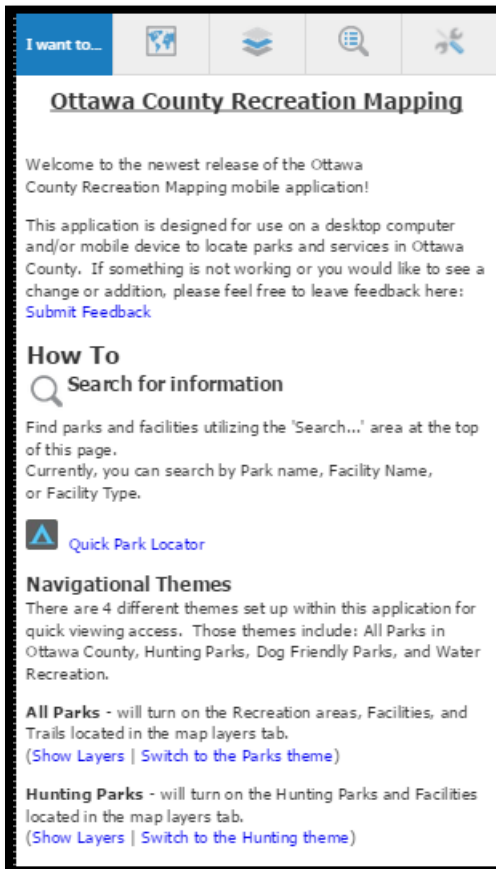
Handheld Device

After you have toggled through the proper view (demonstrated [above](#)), the application will load showing you a base configuration that we will now help guide you through.

Interface & tools

When the application is fully loaded, after choosing what you would like to view, the Home Panel is the first thing you see to welcome you to the application. You can see how to navigate that option below. To see the map, press on the

outline of the world .



Home Panel

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The overview states:

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Water Recreation

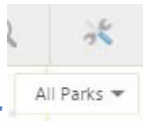
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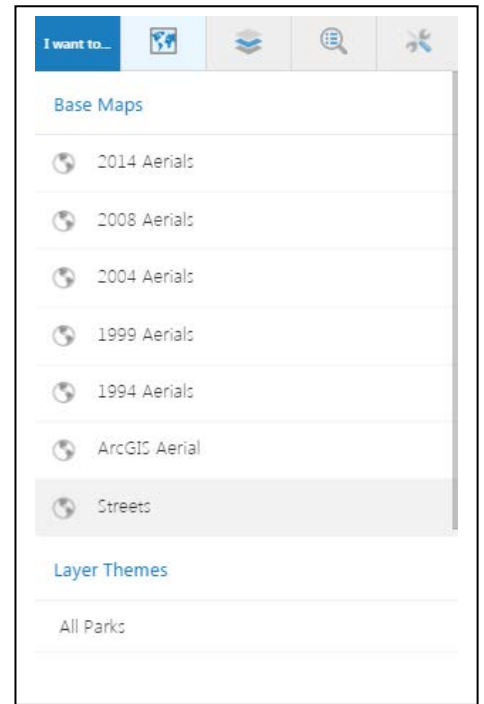


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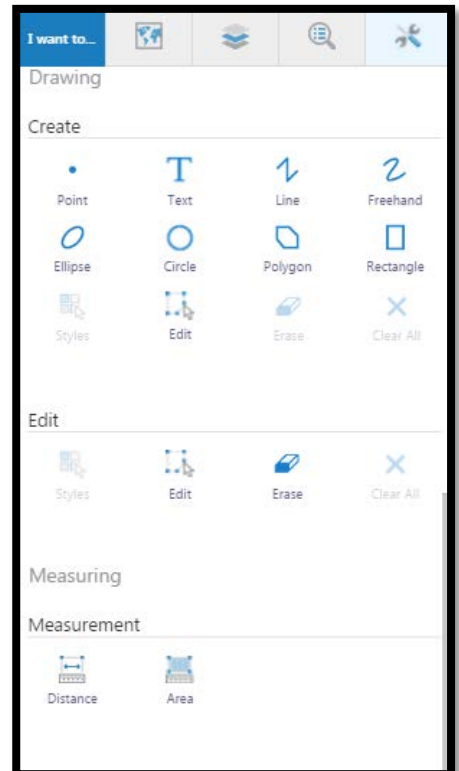
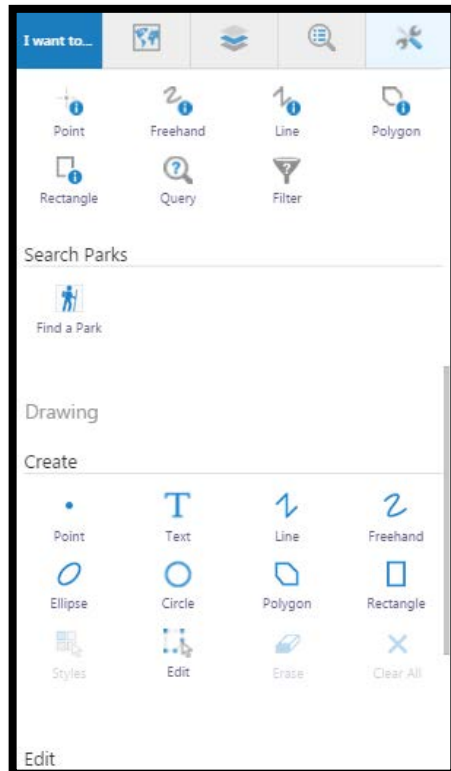
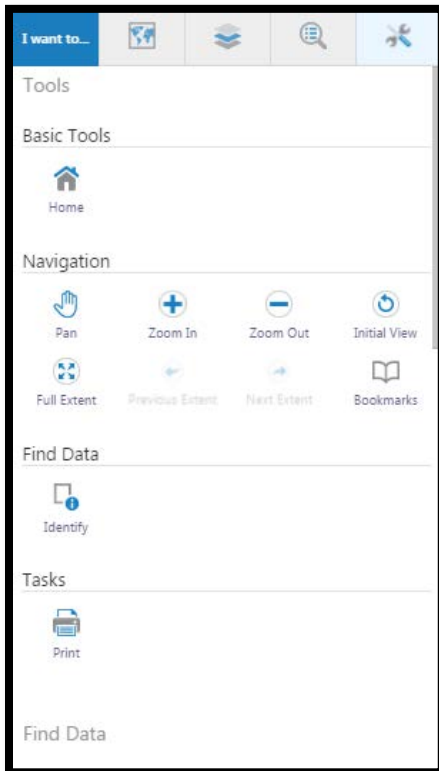
At the bottom, there is a list of themes that you were originally shown when you opened this application. This allows you switch back and forth without having to refresh the app. See more about them [here](#).



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To open/close the advanced toolbar, you can press the button in the top right corner of the application . It is also accessible in the 'I want to...' menu and at the bottom of the home panel. When this panel is opened, it shows the following:



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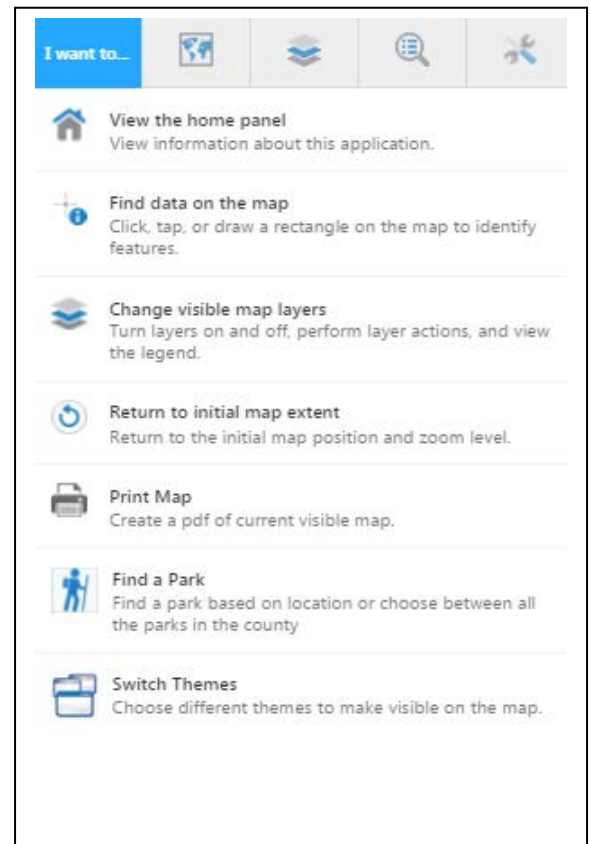
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Print Map – Create a pdf of the current visible map

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GPS Locator



To utilize the GPS locator, click the icon in the top left corner

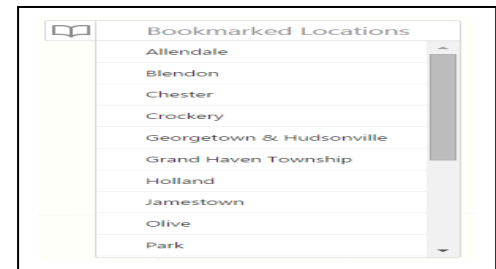


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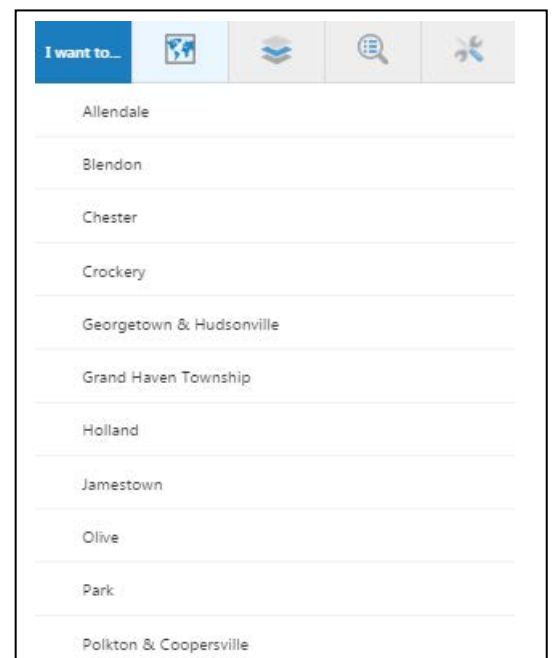
Bookmarks



This tool allows you to zoom to set extents. To utilize this tool, click on




the icon in the top left corner. Once this button is clicked, a list of extents will appear showing the names of the municipalities in the county. Click on any one and it will zoom to show that local unit.



Layers

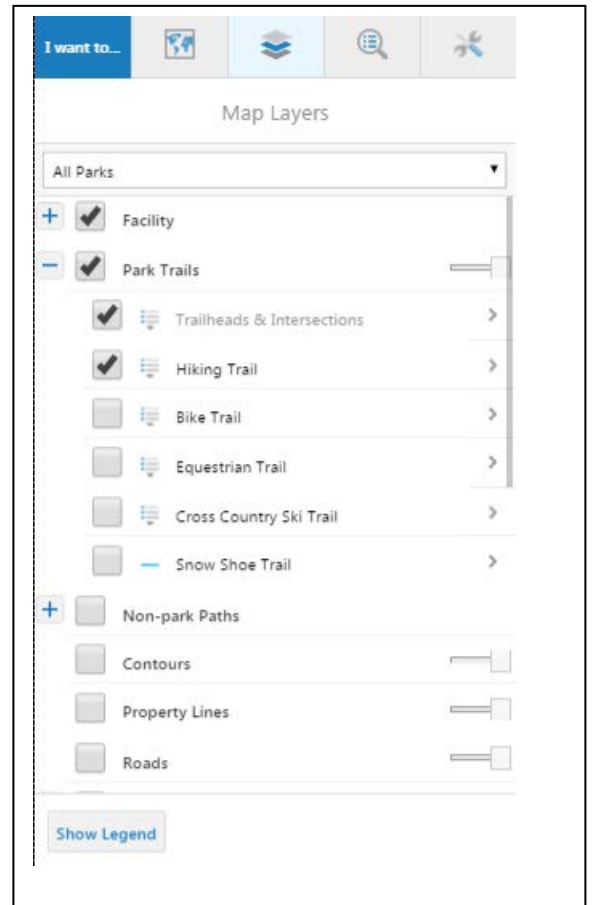


There are two ways to show the layers that are currently visible as well

as the ones that are available. The first being the icon  in the lower left hand corner and the other is in the 'I want to...' menu. Once this button has been clicked, a list of available layers and themes will appear. The layers with a check mark next to them are visible and those without are not visible. For more information, see the [Layers section](#) below.

Legend

One other pertinent piece to the layers tab is the 'Legend' section. When this is pressed, the layers pane will switch to show what color or symbol represents its corresponding layer.



Toolbar

The toolbar in the application can contain any number of tools, groups of tools, or tabs containing several groups of tools.

Tools

Basic Tools

Home

This button shows the 'Home Panel'. The home panel displays the guide for the application currently being viewed.

Navigation

Pan

Pan (move) the map in any direction. To pan the map, click on it and drag in any direction. Use the Pan tool to return to panning when you have used other tools.

Zoom In

Zoom in when you click on the map.

Zoom Out

Zoom out when you click on the map.

Initial View

Return to the original view (extent) that the map was at when it opened.

Full Extent

Zoom out to as far as the map goes to show the full extent of the map.

Previous Extent

Return to the previous view (extent)..

Next Extent

When you have gone back to a previous view, jump forward to the next view again.

Bookmarks

Jump to a bookmark that was previously added to the map.

Find Data

The Find tools help you locate information

Identify

Identify information found at any point that you click on the map.

Tasks

Print

Open the **Print Map** dialog box where you can select the Layout, Output Format, Resolution, and Scale to print the map.

Find Data

The Find tools help you locate information

Point

Identify data at a particular point anywhere on the map. All the features beneath the point you click are listed in the Results List.

Freehand

Identify features by drawing a line in any direction on the map. All the features that intersect with the line you draw are listed in the Results List.

Line

Identify features by dragging a line in any direction on the map. All the features that intersect with the line you draw are listed in the Results List.

Polygon

Identify features by drawing a segmented shape over an area on the map. All the features beneath the shape you draw are listed in the Results List.

Rectangle

Identify features by drawing a rectangle over an area on the map. All the features beneath the shape you draw are listed in the Results List.

If you click on the map, instead of drawing a rectangle, the tool performs a Point identify.

Query

Open the Simple Query Builder. The Simple Query Builder makes it possible to specify a search by layer, field, and values. It is also possible to add multiple conditions to a search.

Filter

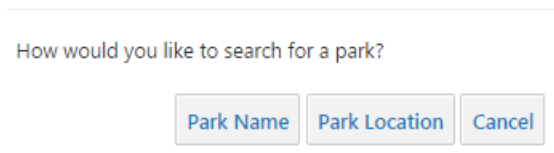
Open the Advanced Filter Builder in the Information Pane. The Advanced Filter Builder makes it possible use operators to create filters that exclude data from the map, making it easier to focus on the data that is most important.

Search Parks

This tool will allow to search by township or by park name.

Quick Park Locator

When you click on this tool, a window will appear that prompts you to what kind of search you would like to do. Are you looking for the park, but you're not quite sure the name? The 'Park Name' gives you a list of parks to choose from. Do you know the location of the park, but don't know the name? The 'Park Location' allows you to search by township and shows all the parks in that township.



How would you like to search for a park?

Park Name

Once you select the 'Park Name' button, the image switches to show you three choices: State Park, County Park, or Local Park.

Search Parks [X]

Below are all the parks in the county separated by Owner.

Please choose one park from a list below.

State Parks: -Select Park-

County Parks: -Select Park-

Local Parks: -Select Park-

[Search] [Cancel]

If you select the drop down on any of them, it lists all the parks for that category alphabetically.

Search Parks [X] | I want to...

Below are all the parks in the county separated by Owner.

Please choose one park from a list below.

State Parks: -Select Park-

County Parks: -Select Park-

Local Parks: -Select Park-

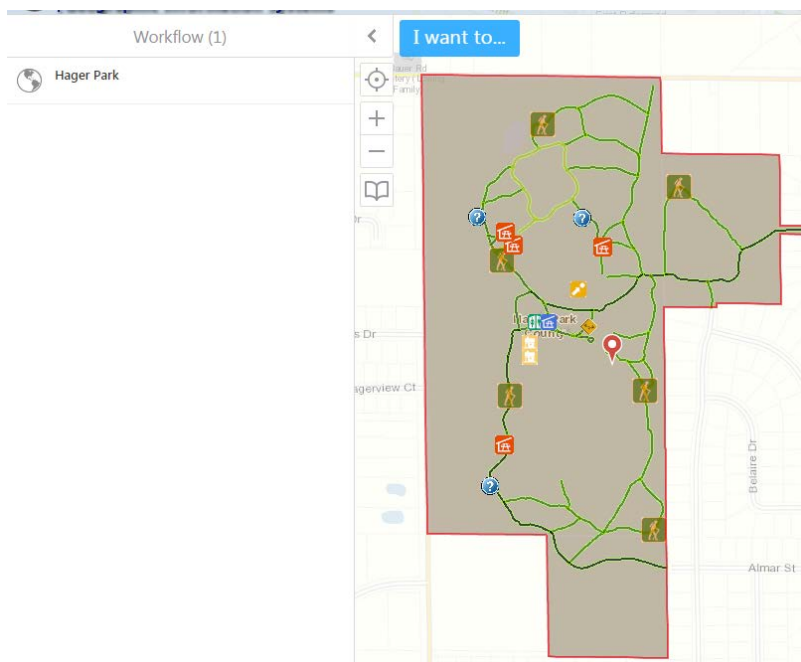
Local Parks list (left):

- Bakale Wildlife Unit
- Bass River Recreation Area
- Blendon Township State Game Area
- Grand Haven State Game Area
- Grand Haven State Park
- Hoffmaster State Park (P.J. Hoffmaster)
- Holland State Park (Ottawa Beach)
- Olive Township State Game Area

County Parks list (right):

- Adams Street Landing
- Bend Area Open Space
- Bur Oak Landing - East
- Bur Oak Landing - West
- Connor Bayou
- Crockery Creek Natural Area
- Deer Creek Park
- Eastmanville Bayou
- Eastmanville Farm
- Grand River Open Space
- Grand River Park
- Grand River Ravines - North
- Grand River Ravines - South
- Grose Park
- Hager Park
- Hawthorn Pond Natural Area
- Hemlock Crossing/Pine Bend
- Hiawatha Forest
- Historic Ottawa Beach Parks - Black Lake Boardwalk East

For this example, I chose the County Park, 'Hager Park' and hit 'Search' and I zoom right there.



Park Location

Once you select the 'Park Location' button, the image switches to show you a drop down showing each Municipality.

Search Parks by Township ✕

Below are all the townships, cities, and villages in Ottawa County.

Please choose one Township from a list below.

Local Government

For this example I am going to use 'Allendale Charter Township'. Once I hit search, I zoom to the extent of Allendale and a pushpin is placed on each park as well as Allendale itself and everything is lined in red.

Search Parks by Township ✕

Below are all the townships, cities, and villages in Ottawa County.

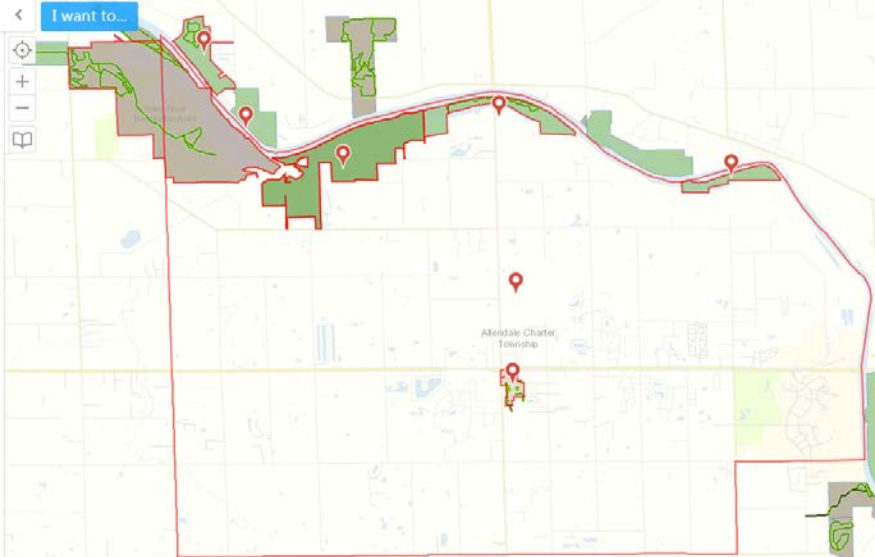
Please choose one Township from a list below.

Local Government

- Select Municipality-
- Allendale Charter Township
- Blendon Township
- Chester Township
- City of Coopersville
- City of Ferrysburg
- City of Grand Haven
- City of Holland
- City of Hudsonville
- City of Zeeland
- Crockery Township
- Georgetown Charter Township
- Grand Haven Charter Township
- Holland Charter Township
- Jamestown Charter Township
- Olive Township
- Park Township
- Polkton Charter Township
- Port Sheldon Township
- Robinson Township

parkResults (7)

- Allendale Charter Township
- Bass River Recreation Area State Park
- Bakale Wildlife Unit State Game Area
- Eastmanville Bayou County Open Space
- Kults Bayou County Open Space
- Bur Oak Landing - West County Open Space
- Allendale Community Park Township Park



Drawing

Create a graphic on the map that will stay on the map when you print it, however, once you close the map that graphic is erased.

Create

Please note, that you can change the style of the object you are going to create. Once you select an object, the 'Styles' button becomes selectable.

Point

Draw a **Point** on the map.

Text

Add **Text** to the map. Click on the map and type the text.

Line

Draw a straight **Line** or click to change the line and draw in a new direction.

Freehand

Draw freely on the map in any direction.

Ellipse

Draw an **Ellipse** on the map.

Circle

Draw a circle on the map.

Polygon

Draw a **Polygon** on the map, clicking to change direction. Double-click to stop drawing.

Rectangle

Draw a **Rectangle** on the map. Click and drag across the map.

Styles

This appears to give a different color to the object you are trying to draw.

Edit

Edit any text or drawing added to the map. Rotate the drawing by clicking and dragging the square above the marquee in the middle of the graphic. Move text by dragging it. Rotate text by selecting it and adjusting the angle on the toolbar. To edit shapes or lines, click the drawing and drag any of the points in any direction to change the shape of your drawing. To edit text labels, click Edit Drawing, click the text, and type in new text.

Erase

Erase drawings from the map one at a time by clicking on each one.

Clear All

Clear all the drawings on the map at the same time.

Measuring

Distance

Measure distances on the map by drawing a segmented line.

Area

Measure an area of the map by drawing a shape.

Change the unit of measurement on a drawing to other options like Yards, Meters, Nautical Miles, and etc.

Erase

Erase a drawing by clicking it.

Clear All

Clear all the drawings on the current map.

Add as Drawing

Add the distance or area measurement to the map as a drawing.

I Want To...

This tool gives you quick access to some of the most used tools

View the home panel

View the startup panel that gives some basic information and navigation for the application.

Find data on the map

Click, tap, or draw a rectangle on the map to identify features.

Change visible map layers

Turn layers on and off, perform layer actions, and view the legend.

Return to the initial map extent

Return to the initial map position and zoom level.

Print Map

Create a pdf of current visible map.

Find Park

Find a park based on location or choose between all the parks in the county.

Switch Themes

Choose different themes to make visible on the map.

Layers


Below is a list of all the layers available within the application.

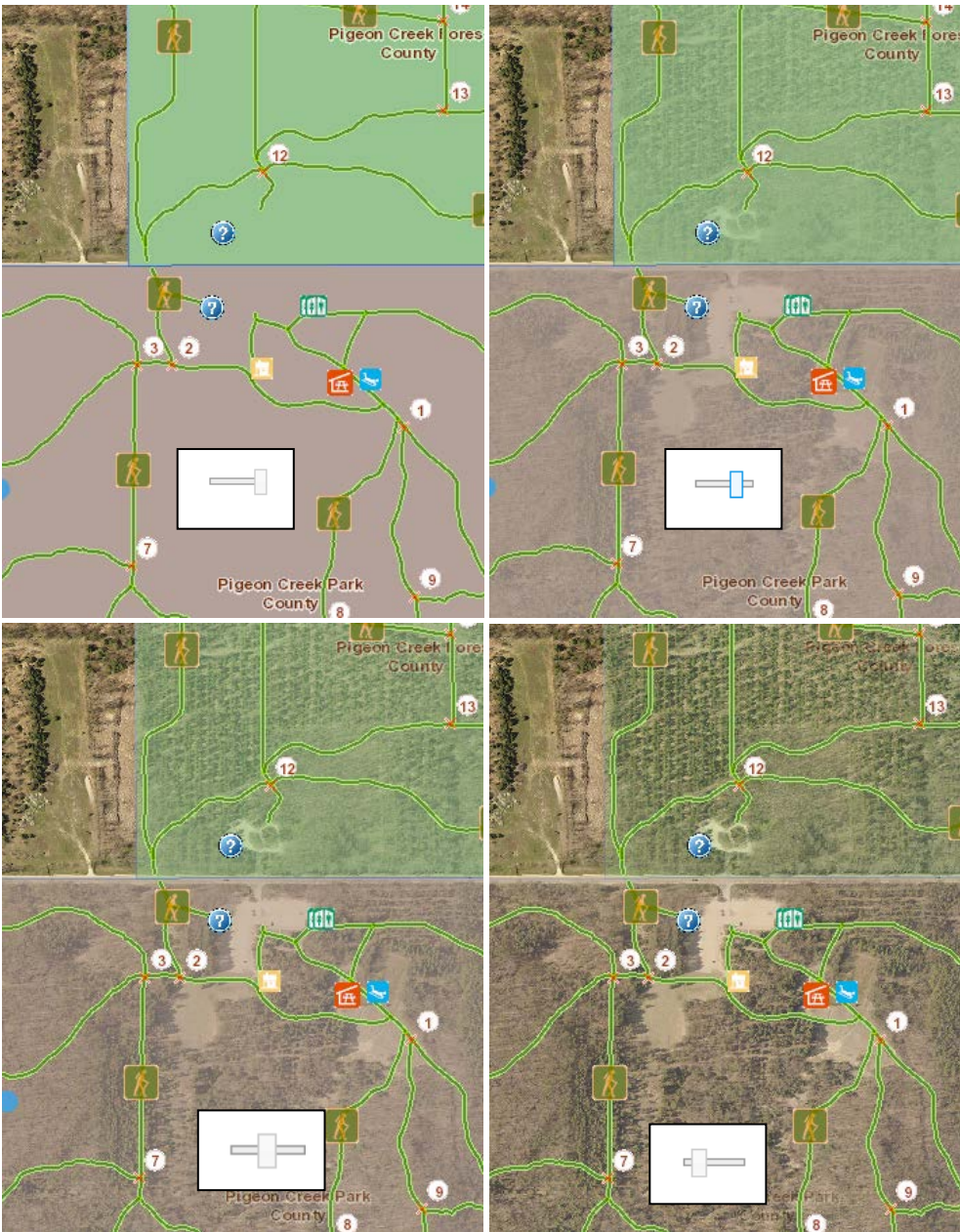
Change visibility

To turn each layer on/off click in the box next to the name to place a check mark, this makes the layer visible.


Opacity or Intensity

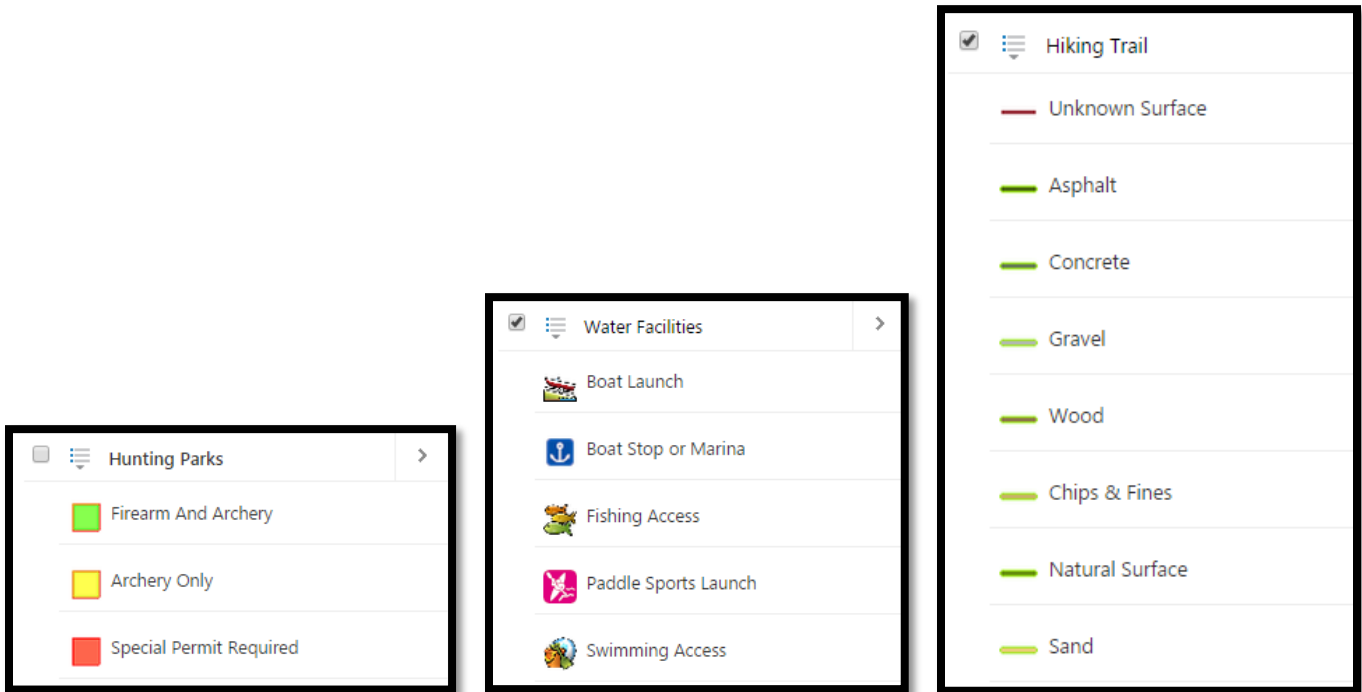


You'll notice, next to some of the layers, there is a slider bar as represented by this image . When the vertical bar is all the way to the right, the layer is 100% visible. As the bar slides to the left, the layer becomes more and more see through until it become invisible. This is an example of the Recreation areas at 100%, 75%, 50%, and 25% visible over aerial photography.



Quick Symbol Layer Legend






























If you are curious what the colors for the Hunting Parks, Hiking Trails, Water Facilities, etc. There are two options: first is the 'Show Legend' button at the bottom of the layer list, the other is a button next to several layers . When this button is pressed, it shows what each symbol represents for that layer as show bellow.








Facility

This layer group shows public facilities and rental facilities.

Public Facilities



	Ballfield		Historic Building		Parking Lot
	Boat Launch		Information Kiosk		Picnic Table
	Control Building		Landmark		Playground
	Covered Picnic Shelter		Maintenance Building		Restroom Building
	Disc Golf		Marina		Scenic Overlook
	Enclosed Picnic Shelter		Modern Restroom		Sledding Hill
	Fishing Access		Outbuilding		Storage Building
	Fishing Dock		Paddle Sports Launch		Swimming
	Gazebo		Park Bench		Vault Toilet
	Grill				Volleyball Court

Rental Facilities

	Reservation Campground		Reservation Picnic Shelter		Reservation Facility
	Reservation Nature Center		Reservation Wedding Trellis		

Park Trails



Trailheads & Intersections

	Trail Intersection
	Trailhead

Hiking Trail

-  Unknown Surface
TrailSurface
-  Asphalt
-  Concrete
-  Gravel
-  Wood
-  Chips_Fines
-  Natural Surface
-  Sand

Bike Trail

-  Unknown Surface
TrailSurface
-  Asphalt
-  Concrete
-  Gravel
-  Wood
-  Chips_Fines
-  Natural Surface
-  Sand

Equestrian Trail

-  Unknown Surface
TrailSurface
-  Asphalt
-  Concrete
-  Gravel
-  Wood
-  Chips_Fines
-  Natural Surface
-  Sand

Cross Country Ski Trail

- Ungroomed Skiing Trail
- Lighted, Tracked Lane & Skating Trail
- Lighted, Skating Tracked Trail
- Skating Tracked Trail
- Tracked Trail

Snow Shoe Trails

Snow Shoe Trail

Non-park Paths

<input type="checkbox"/>	<input checked="" type="checkbox"/> Non-park Paths	
<input checked="" type="checkbox"/>	— Bike Path	>
<input checked="" type="checkbox"/>	— Bike Lane	>
<input checked="" type="checkbox"/>	... Boardwalk	>
<input checked="" type="checkbox"/>	— Crosswalk	>
<input checked="" type="checkbox"/>	— Sidewalk	>
<input checked="" type="checkbox"/>	... Stairs	>






Contours

Property Lines




Roads

Water Recreation

Water Facilities

-  Boat Launch
-  Boat Stop or Marina
-  Fishing Access
-  Paddle Sports Launch
-  Swimming Access

Beaches

-  Private beach
-  Association access
-  Public beach or Beach Access

No Wake Zones

- No Wake
- No Wake 200 Ft From Shore
- No Wake 6:30PM to 10:00AM
- No High Speed 7:30PM to 11:00AM
- No Wake Vessel 26ft or larger
- No Regulation

Dog Friendly Parks

- Year Round - NO RESTRICTIONS
- Year Round, Dogs permitted on City Beach south of the southerly s...
- Year Round, Never allowed on stairs at North Ottawa Dunes
- Year Round, On trails only from May 1 through September 30
- Seasonal - On trails only from May 1 through September 30
- Seasonal - On trails only from May 1 through September 30. No do...
- Off Season Only - October 1 through April 30


Hunting Parks

- Firearm And Archery
- Archery Only
- Special Permit Required

Recreation Areas

<input checked="" type="checkbox"/> Federal Parks	<input type="checkbox"/> Park, Allendale Charter Township	<input type="checkbox"/> Park, City of Zeeland	<input type="checkbox"/> Park, Port Sheldon Township
<input checked="" type="checkbox"/> State Parks	<input type="checkbox"/> Park, Chester Township	<input type="checkbox"/> Park, Crockery Township	<input type="checkbox"/> Park, Robinson Township
<input type="checkbox"/> Game Area; Open Space	<input type="checkbox"/> Park, City of Coopersville	<input type="checkbox"/> Park, Georgetown Charter Township	<input type="checkbox"/> Park, Spring Lake Township
<input type="checkbox"/> Park	<input type="checkbox"/> Park, City of Ferrysburg	<input type="checkbox"/> Park, Grand Haven Charter Township	<input type="checkbox"/> Park, Tallmadge Township
<input checked="" type="checkbox"/> County Parks	<input type="checkbox"/> Park, City of Grand Haven	<input type="checkbox"/> Park, Holland Charter Township	<input type="checkbox"/> Park, Village of Spring Lake
<input type="checkbox"/> Open Space	<input type="checkbox"/> Park, City of Holland	<input type="checkbox"/> Park, Park Township	<input type="checkbox"/> Park, Wright Township
<input type="checkbox"/> Park	<input type="checkbox"/> Park, City of Hudsonville	<input type="checkbox"/> Park, Polkton Township	<input type="checkbox"/> Park, Zeeland Township
<input checked="" type="checkbox"/> Private Parks			

Jurisdictional Boundaries

 Jurisdictional Boundaries

Base Maps

The layers below list the years that we flew a photography flight.

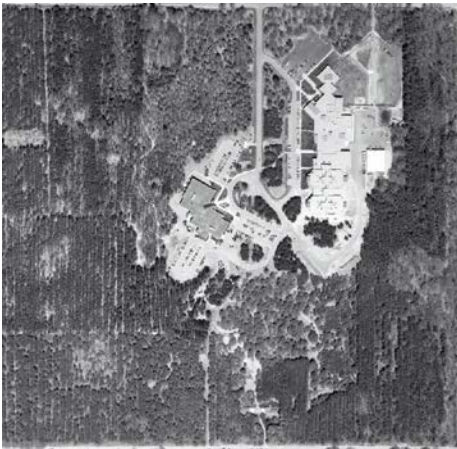
2014 Aerials



2008 Aerials



2004 Aerials



1999 Aerials



1994 Aerials



ArcGIS Aerials



This base map is the imagery that is currently being used on Bing Maps.

Streets

This base map doesn't show any aerial photography, but rather shows the roads, buildings, parks and other features of significance to provide an idea of where you are looking.



Themes

All Parks

'All Parks' will automatically switch on the following layers to see quickly:

- Public Facilities
- Rental Facilities
- Trailheads & Intersections
- Hiking Trails
- Recreation Areas (All Parks)
- Base Map Streets

Hunting

'Hunting' will automatically switch on the following layers to see quickly:

- Public Facilities
- Rental Facilities
- Hunting Parks
- Base Map Streets

Water Recreation

'Water Recreation' will automatically switch on the following layers to see quickly:

- Public Facilities
- Rental Facilities
- Trailheads & Intersections
- Hiking Trails
- Non-Park Paths (All Types)
- Water Facilities
- Beaches
- No Wake Zones
- Recreation Areas (All Parks)
- Base Map Streets

Dog Friendly

'Dog Friendly' will automatically switch on the following layers to see quickly:

- Public Facilities
- Rental Facilities
- Trailheads & Intersections
- Hiking Trails
- Dog Friendly Parks
- Base Map Streets