

CLINTON TOWNSHIP CRIME INCIDENTS: Internal Site & Web App Guide



**Clinton Township Police Department
Macomb County Planning & Economic Development**

OVERVIEW



GOAL

- Provide a user – friendly tool for the Clinton Township Police Department to analyze and get valuable insights out of the crime incident data.

DATA

- Crime incident data is updated daily at 8pm.
- Layers of Data:
 - Year = Shows all incidents that have occurred within the past year.
 - Week = Shows all incidents that have occurred within the past week.
 - Public Week = Shows a filtered version of the week incidents for the public.
- Incident Type & Category:
 - Type = Dispatch and case occurred incident type from the Police Department.
 - There's over 200 incident types that can be selected, this information is only viewable in the information pop – up in the internal application.
 - Category = Incident types are classified into 14 categories.
 - Utilize for map symbology and classifying the large group of incident types.

CREDENTIALS & URLs



MAP & SITE URLs

- Clinton Crime Incident Site: GIS.MacombGov.Org/GO/Clinton_PoliceSite
- Public Web Map: GIS.MacombGov.Org/GO/Clinton_Police
- Private Web App: GIS.MacombGov.Org/GO/Clinton_PoliceApp

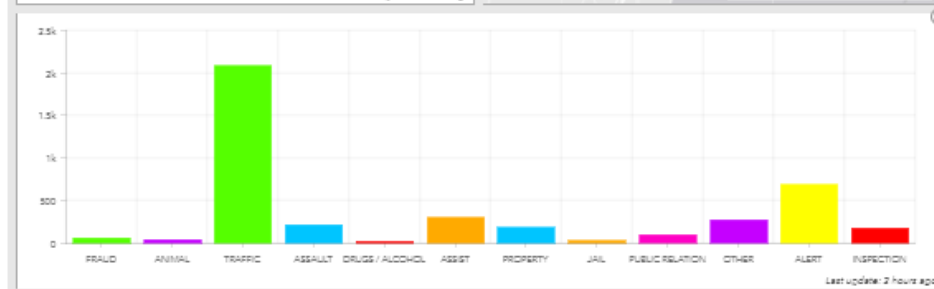
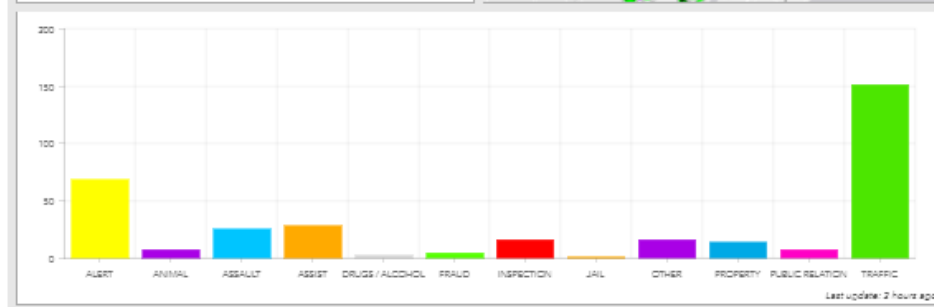
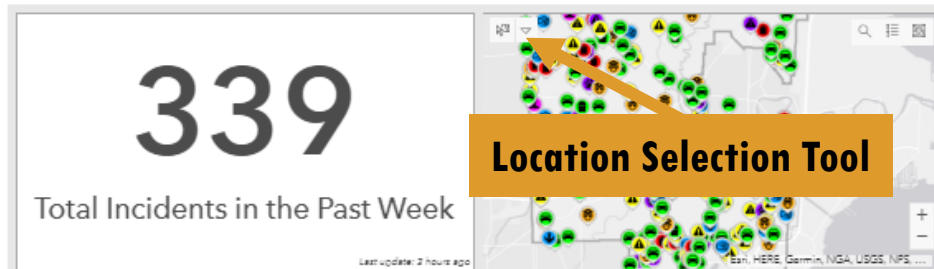
SITE & APP LOGIN

- Username: mun_cli1
- Password: mun_cli7

STEPS TO ACCESS

1. Directly go to the Clinton Township Crime Incident Site (link above).
2. There will be a prompt to sign in using your ArcGIS organization credentials (login information above).
 - Sign in using the credentials for municipal Clinton, this login can be shared for whoever needs access to the internal site and application.
3. This will take you to the site where there's embedded dashboards and links to any resources the Clinton Township Police Department might want to utilize.

CRIME INCIDENT SITE



Crime Incident Dashboards

- The site has two dashboards embedded that show total incidents from the past week and year.
- The user is able to see how many incidents happened in each category and where they occurred.
- There's a location selection tool available via the dashboards that will give you a quick stat on how many incidents occurred in the area selected, then the chart will update to break it down by incident category.
- Dashboards aren't available via mobile.

CRIME INCIDENT SITE



17

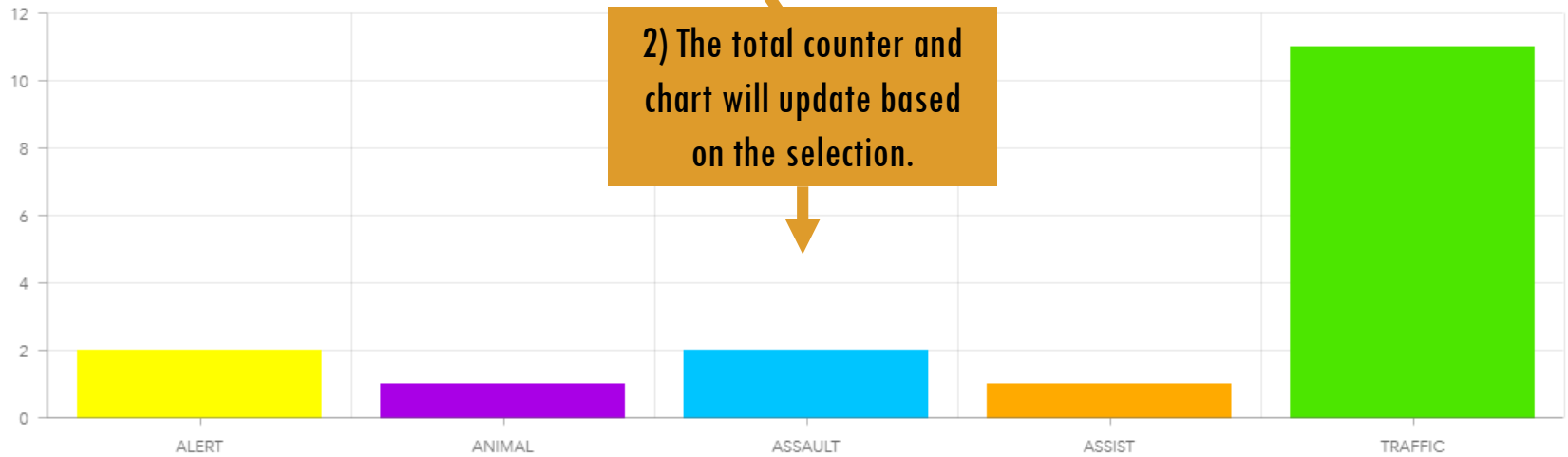
Total Incidents in the Past Week

Last update: a few seconds ago

1) Select how you want to choose the area of the interest then the total amount selected will show by the tool and on the map.

The map interface includes a selection tool menu with options: Point, Rectangle, Lasso, Circle, and Line. A large pink circle is highlighted on the map, and a count of 18 is displayed in the top right corner of the map area.

2) The total counter and chart will update based on the selection.



Last update: a few seconds ago

WEB APP BASIC FEATURES

A screenshot of a web application interface titled "Clinton Township Crime Incidents & Sheriff Activity - Web App". The interface shows a map of Clinton Township with numerous colorful markers representing crime incidents. A search bar at the top left contains the text "Find address or place". A "Map Guide" button is located in the top right corner. Three callout boxes with orange backgrounds and black text provide instructions: "Search: Look up and zoom to a specific address." points to the search bar; "Map Guide: This opens up information about the application and links to this guide and the site." points to the "Map Guide" button; and "Home: Zooms back to the township extent (shown in the screenshot)." points to a home button icon on the left side of the map. The map includes a scale bar for 1 mile and a coordinate indicator at the bottom left showing "-82.756 42.644 Degrees".

Search:
Look up and zoom to a specific address.

Map Guide:
This opens up information about the application and links to this guide and the site.

Zoom Control

Home:
Zooms back to the township extent (shown in the screenshot).

Clinton Township Crime Incidents & Sheriff Activity - Web App

Find address or place

Map Guide

CLINTON TOWNSHIP STATE OF MICHIGAN POLICE

This web applications has advanced functionality to search, filter, analyze, and export crime incident data from the past week and up to the past year. All of these easy to use tools are available through the web and is mobile friendly. The data that's shown here is the same data that's powering the public crime incident web map. Intended for internal usage by the Clinton Township Police Department.

Need help utilizing this application?
[Web Application Guide](#)

GIS Site - Clinton Twp. Police Dept.
[Crime Incident Hub](#)

Questions for Macomb County GIS?
Email: GISquestions@MacombGov.Org

INCIDENT POP – UP & FORM



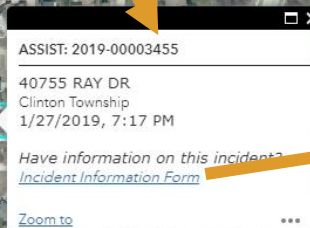
Clinton Township Crime Incidents & Sheriff Activity - Web App

On the public map and weekly incident layer, in the information pop-up (what appears when you click on specific incident) there's a link a google form where the user can submit information on an incident then the response will get sent the designed contact in the department.

1) Find the incident on the map by either searching an address, browsing the list of incidents tool, or zooming into the map.

2) Click on the specific incident so the information pop – up appears, then click the link “Incident Information Form”.

3) Information from the pop – up in the map will automatically populate the from with information on the incident.



Clinton Police Department Incident Information Submission Form

This form is for the public citizens of Clinton Township and Macomb County to submit any valid information on a crime incident that occurred for the Clinton Township Police Department. The form and all information submitted is confidential.

* Required



Incident Number?

This is the unique incident number for all crime incidents in Clinton Township. This is the best way to identify exactly what incident the information pertains to. This will be auto populated if linked from the Crime Incidents web map.

2019-00003455

Type of Incident?

The type of incident the information relates to. This will be auto populated if linked from the Crime Incidents web map.

ASSIST

Location of Incident?

Address and city of where the incident occurred. This will be auto populated if linked from the Crime Incidents web map.

40755 RAY DR , Clinton Township

BASEMAP GALLERY



Clinton Township Crime Incidents & Sheriff Activity - Web App

Basemap Gallery

Find address or place

Basemap Gallery

- Aerial 2015
- Aerial 2018**
- Bing
- Blank
- Canopy
- Dark
- Grey
- Infrared
- Lake
- Mint
- Navigation
- Night
- Streets
- Surface
- Topo
- USGS

ASSIST: 2019-00004134

20180 WEYBRIDGE ST
CLINTON TOWNSHIP
2/3/2019, 2:45 AM

Have information on this incident?
[Incident Information Form](#)

[Zoom to](#)

300ft
-82.919 42.579 Degrees

This tool allows the user to change the background image of the map. You can switch from the default gray basemap to the streets basemap that's similar to google maps or the county's most recent aerial image that was flown in 2018.

LIST OF INCIDENTS TOOL



Clinton Township Crime Incidents & Sheriff Activity - Web App

List of Incidents

1) Use the circle power button to turn on / off the week incident layer or the year incident layer. When the layer is on the total incident count will appear.

2) Click on the layer to expand the list by category, then you can click on an incident category to get a list of individual incidents.

3) Click on an individual incident to see the location on the map and the incident information pop-up.

This tool allows the user to see the total amount of incidents from the past week and year, as well as being able to expand the list by the incident category. Then the user can see individual incidents and see their location on the map. The total incidents counts updates based on zooming / out of the map and filtering the data (shown on Filter Incidents slide).

| Category | Count |
|-----------------|-------|
| ALERT | 674 |
| ANIMAL | 37 |
| ASSAULT | 217 |
| ASSIST | 304 |
| DRUGS / ALCOHOL | 17 |
| RAUD | 53 |
| INSPECTION | 141 |

Updated Daily

Incidents Past Week

Incidents Past Year 4,063

INSPECTION: SEX OFFENDER REGISTRY

2018-00042901
34360 GRATIOT AVE
Clinton Township
11/30/2018, 9:06 AM

Zoom to

- 2018-00042883
- 2018-00042884
- 2018-00042901
- 2018-00042906
- 2018-00042909
- 2018-00042910
- 2018-00042911
- 2018-00042912
- 2018-00042918

FILTER INCIDENTS TOOL



Clinton Township Crime Incidents & Sheriff Activity - Web App

Filter Incidents

Select the incident category or incident type that you are searching for from the drop down then switch the filter to on (will switch to green when on).

The user is able to search for incidents that occurred on a specific date or a specific time frame.

This tool allows the user to filter down the yearly incidents layer by incident category, incident type, and the date range. In this example the user was able to search for incidents related to assists that happened in January.

Filter & Query

- Incidents (Year) by Category Category is ASSIST
- Incidents (Year) by Incident Type Incident Type is
- Incidents (Year) by Date Range Date is between 1/1/2019, 12:00 and 1/31/2019, 12:00

The screenshot shows a web application interface for "Clinton Township Crime Incidents & Sheriff Activity". It features a map of the township with numerous yellow circular markers representing crime incidents. A search bar at the top left allows for finding addresses or places. On the right side, a "Filter & Query" panel is open, showing three filter sections: "Incidents (Year) by Category" (set to "ASSIST" and turned on), "Incidents (Year) by Incident Type" (turned off), and "Incidents (Year) by Date Range" (set to "1/1/2019, 12:00" and "1/31/2019, 12:00" and turned on). A "Filter Incidents" button is visible above the filter panel. The map shows various drains like "Utica Drain", "Kenner Drain", "Kukuk Drain", "Cranberry Marsh Drain", "Harrington Drain", and "Culpeper Drain". The bottom left corner shows coordinates: "-82.857 42.616 Degrees".

FILTER INCIDENTS TOOL



Clinton Township Crime Incidents & Sheriff Activity - We

Find address or place

Select & Export Incidents by Location

1) Hit the “Select” button at the top of the tool, then choose how you want to draw the area of interest to select the incidents.

2) Select the area of the interest then incidents that are in the area will appear in bright blue. The number by the layer name shows how many incidents were selected. Click on the 3 dots by that number to get options on to export the selected data, get quick stats, and more.

Select & Export by Location

Select Clear

Layer

| | | |
|---|----|-----|
| <input type="checkbox"/> Incidents Past Week | 0 | ... |
| <input checked="" type="checkbox"/> Incidents Past Year | 55 | ... |

Selection actions

- Zoom to
- Pen to
- Flash
- Export to CSV file
- Export to feature collection
- Export to GeoJSON
- Statistics...
- Create layer
- Save to My Content
- Clear selection

This tool allows the user to select incidents by a specific location or area, then being able to export the data in various formats or get quick statistics on the selected incidents. This example shows the filtered incidents from the “Filter Incidents” slide with a location selection of the north part of the community.

INTERACTIVE CHART TOOL



Clinton Township Crime Incidents & Sheriff Activity - Web App

Interactive Chart

1) Either select incidents from the past week or year to create an interactive chart for.

2) You can select the option of "Use spatial filter to limit features" which allows the user to select an area to only chart those incidents. If this option is unchecked then all incidents on the map be included. Then hit "APPLY".

This tool allows the user to create an interactive chart of incidents from the past week or year. The chart shows total incidents by category and even has the option to spatially select incidents while making the chart.

Interactive Chart

Click one of the following task items to execute chart.

- Incidents Past Week
- Incidents Past Year

Interactive Chart

[CHARTS](#) Options [APPLY](#)

- Use spatial filter to limit features
 - Only features intersecting the current map area
 - Only features intersecting a user-defined area

Clear

The image shows a screenshot of a web application interface for "Clinton Township Crime Incidents & Sheriff Activity". The main area is a map with numerous colorful markers representing incidents. A search bar at the top left contains the text "Find address or place". On the right side, there is a panel titled "Interactive Chart" with a close button. Below the title, it says "Click one of the following task items to execute chart." and lists "Incidents Past Week" and "Incidents Past Year". Below that, there is another "Interactive Chart" panel with a "CHARTS" link, "Options", and "APPLY" buttons. Under "Options", there is a checked checkbox for "Use spatial filter to limit features" and two radio button options: "Only features intersecting the current map area" and "Only features intersecting a user-defined area". At the bottom of the panel is a "Clear" button. A yellow callout box with an arrow points to the "Incidents Past Week" option. Another yellow callout box with an arrow points to the "Use spatial filter to limit features" checkbox. A third yellow callout box with an arrow points to the "APPLY" button. A large orange box at the bottom left contains text explaining the tool's functionality.

INTERACTIVE CHART TOOL



Clinton Township Crime Incidents & Sheriff Activity - Web App

3) The bar chart will appear and the selected incidents will have a purple ring over the icon symbology.

4) When you hover over an incident category on the chart it will give you the total incidents of that category and highlight incidents in that category on the map with red boxes. In this example the category traffic is being hovered over and the incidents are highlighted on the map.

5) Expand the chart to full screen and customize the chart settings.

The screenshot displays a web application interface for Clinton Township Crime Incidents & Sheriff Activity. The main area shows a map with numerous incident markers. A bar chart on the right, titled 'Interactive Chart', shows incident counts for 'Incidents Past Week'. The categories are ALERT, DRUGS / ALCOHOL, OTHER, and TRAFFIC. The TRAFFIC category is highlighted with a blue bar and a tooltip showing 143 incidents. A settings gear icon is visible in the top right of the chart area.

| Category | Count |
|-----------------|-------|
| ALERT | ~60 |
| DRUGS / ALCOHOL | ~25 |
| OTHER | ~15 |
| TRAFFIC | 143 |

INTERACTIVE CHART TOOL

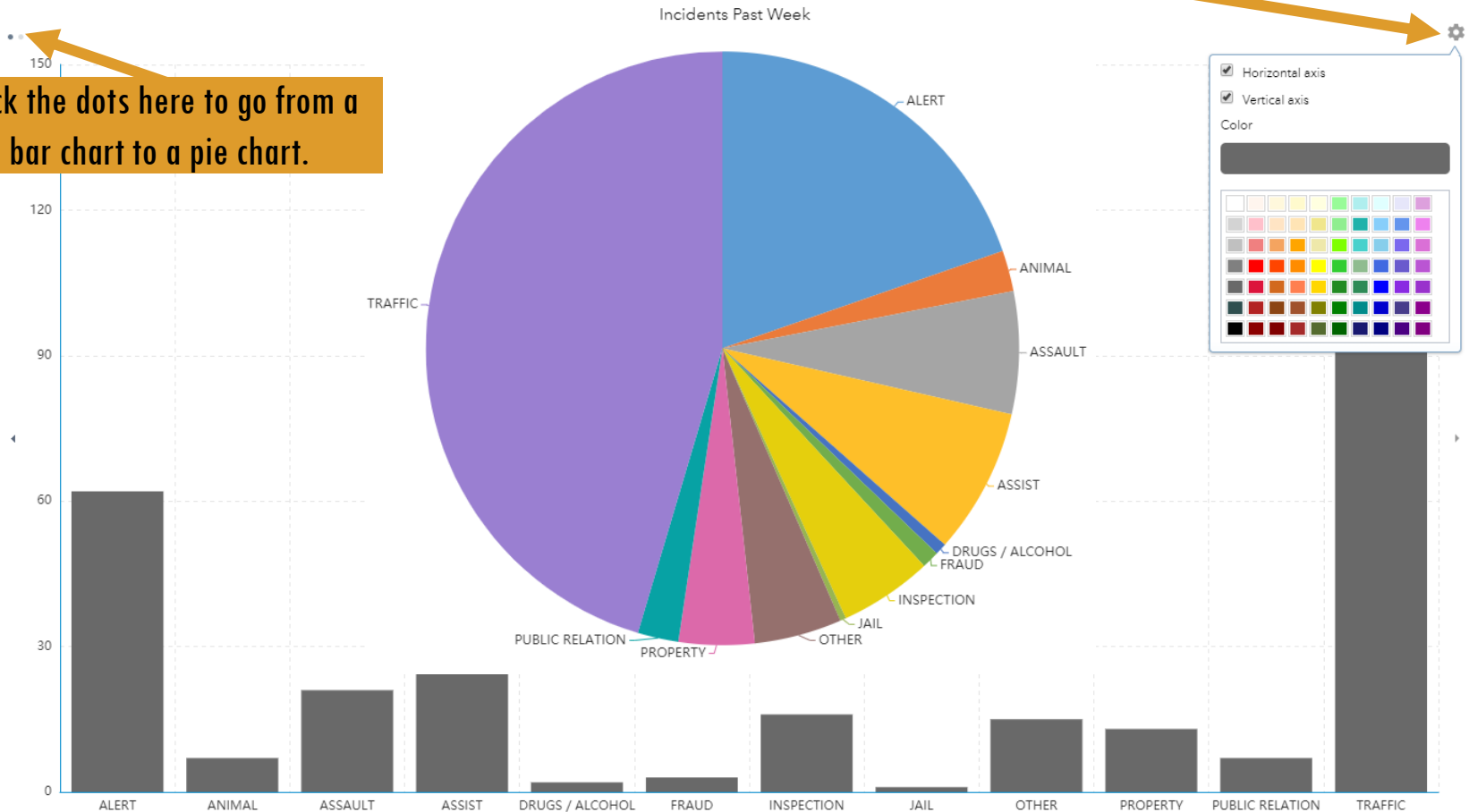


Interactive Chart Examples

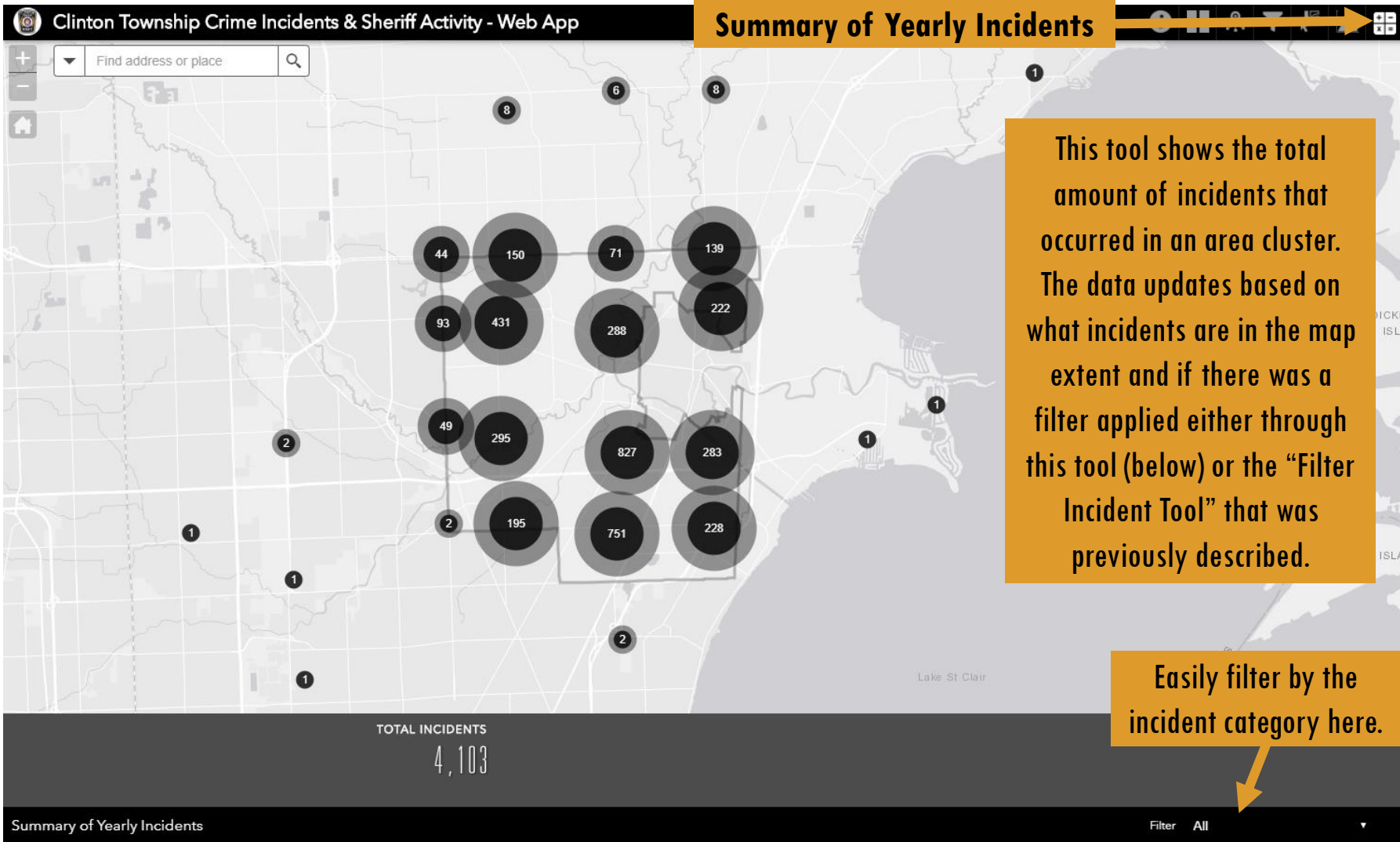
Chart

Click the settings here to change the color of the charts.

Click the dots here to go from a bar chart to a pie chart.



SUMMARY TOOL



MOBILE FRIENDLY



The mobile app home screen displays a map of Clinton Township with numerous colorful incident markers. Below the map is a "List of Incidents" summary card.

| Incident Type | Count |
|---------------------|-------|
| Incidents Past Week | 445 |
| ALERT | 81 |
| ANIMAL | 5 |
| ASSAULT | 31 |
| ASSIST | 33 |
| DRUGS / ALCOHOL | 2 |

The mobile app map view shows a detailed map of Clinton Township with incident markers. A search bar at the top allows users to "Find address or place".

The mobile app incident details screen shows information for a specific incident.

ASSAULT: 2019-00003151

24162 HICKORY LN
Clinton Township
1/25/2019, 9:49 AM

Have information on this incident?
[Incident Information Form](#)

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Clinton Township Police Department



ClintonTownship.Com/Police

Macomb County Planning & Economic Development



PED.MacombGov.Org

