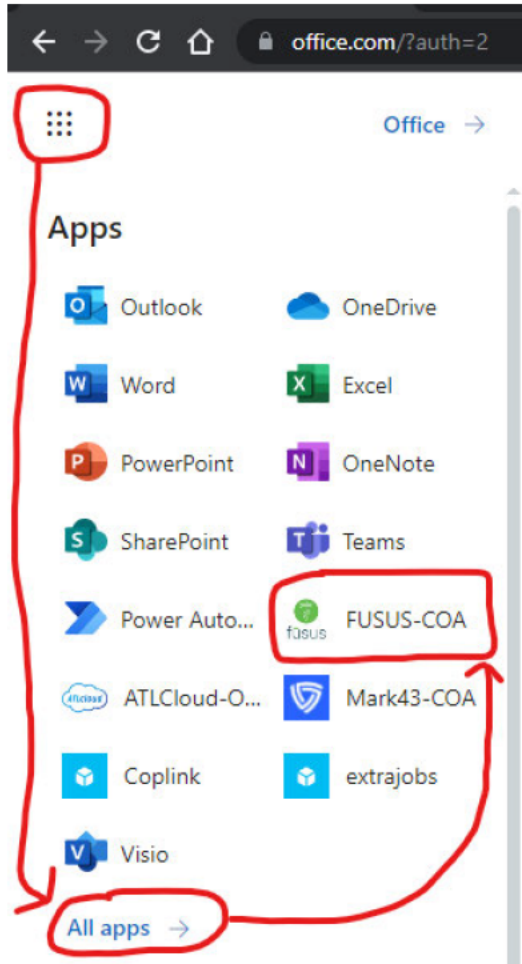


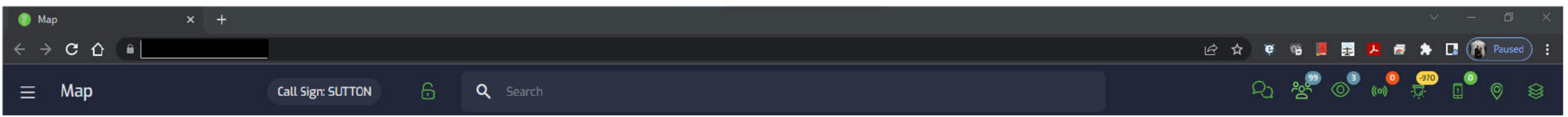
# Fusus Training

Created by SPO Thomas Sutton  
October 2022



## Logging into Fusus

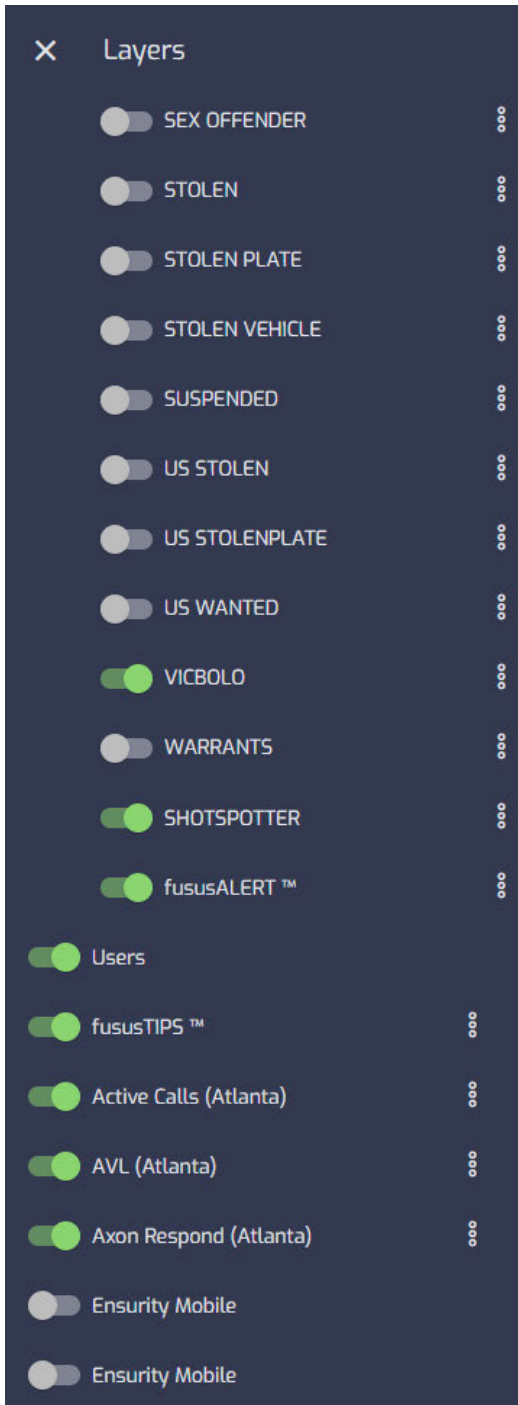
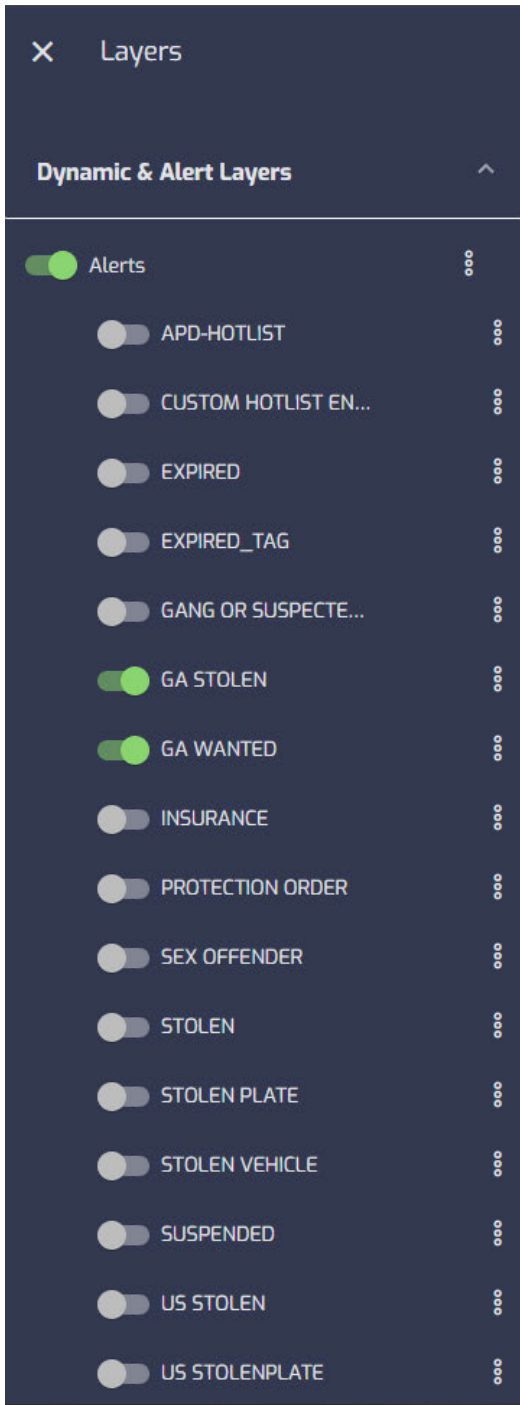
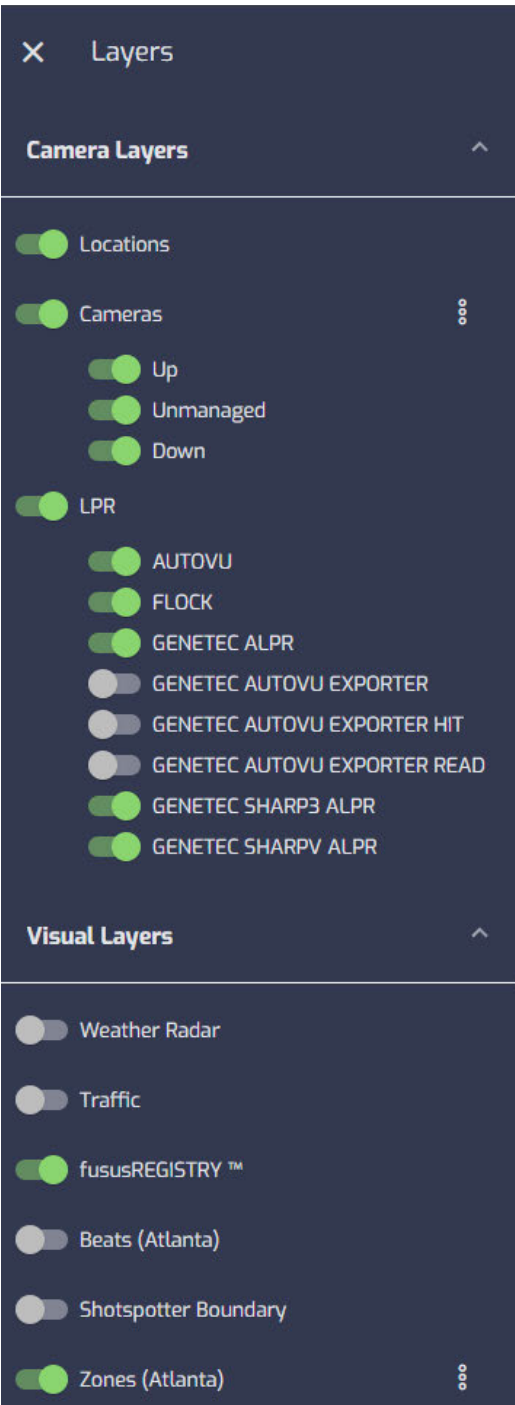
- Part of CoA single sign-on (email username & password)
- [REDACTED]
- Or can be reached from Office.com app tray
- If unable to log on send an email to:
  - "VICOPS@AtlantaGA.gov"



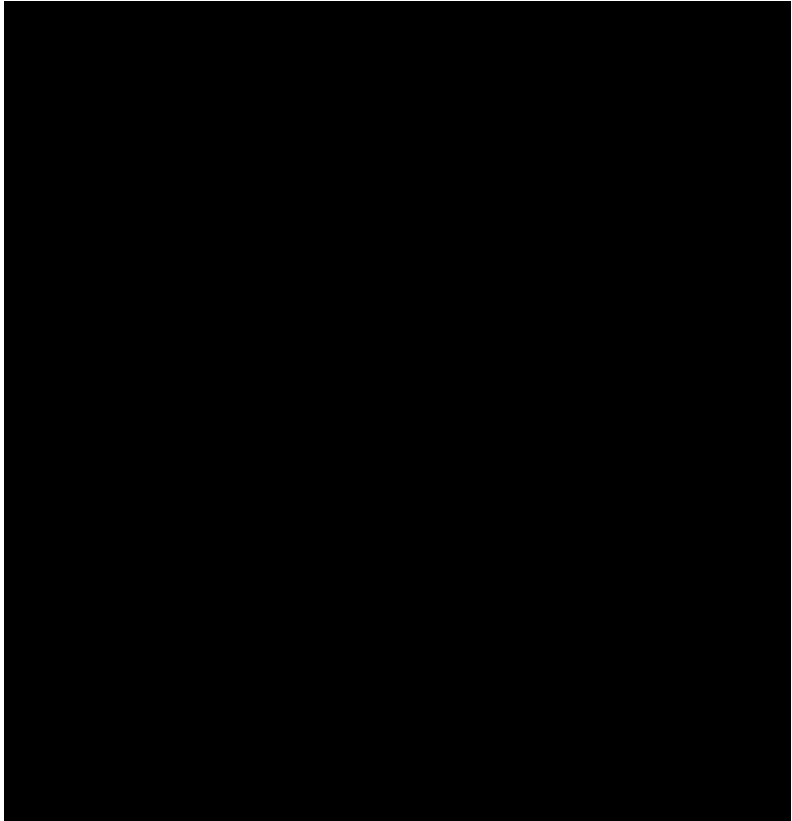
The "Map" is the default screen that opens when logging into Fusus.

Visible when your cursor (mouse) is near the top of the screen. From left to right are:

- Menu button (aka "Hamburger" icon). Access the major functions of Fusus. Map, LPR, Cameras, etc. These are permission / role based so not all icons are visible to every user.
- Call Sign: if selected indicates who you are portraying to be logged into Fusus. Currently the system allows users to select other names / entities. Please do NOT select other identities. This will eventually have everyone's email address available to select from.
- Lock Toolbar button: Toggles the toolbar to always remain visible or auto-hide as the default behavior.
- Search box: Enter street names, locations, etc. **Pause** before pressing enter to see a list of available results.
- Chat: Internal chat feature to other Fusus users.
- Online users: shows who is online and allows communication to them.
- Sentries: Similar to motion detection settings for camera alerts.
- Live incidents: if someone is broadcasting video from the Fusus app, everyone will see the alert and can view live what is happening from the users' phone.
- Alerts: current / recent LPR hits, Shotspotter, Zeroeyes, etc from various technologies integrated.
- Tips: If citizens report something via text to (404)738-8477, it will populate this area as a Fusus tip.
- Locations: Pre-grouped cameras based on provided locations. Example "Lenox Square". May include floorplans.
- Layers: What resources do you want visible on your Fusus map.



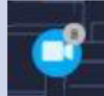


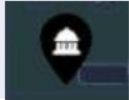









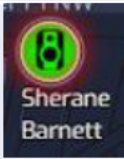



- Map "Layers" can become obtrusive. It is suggested to only turn on what you truly want to display at any given point in time.
- Additional layers slows down the performance of your PC / laptop, etc since everything has to be redrawn on screen frequently.
- You can still get LPR alerts even if the "LPR" layer is turned off. Notice the actual "Alerts" is in a different section.





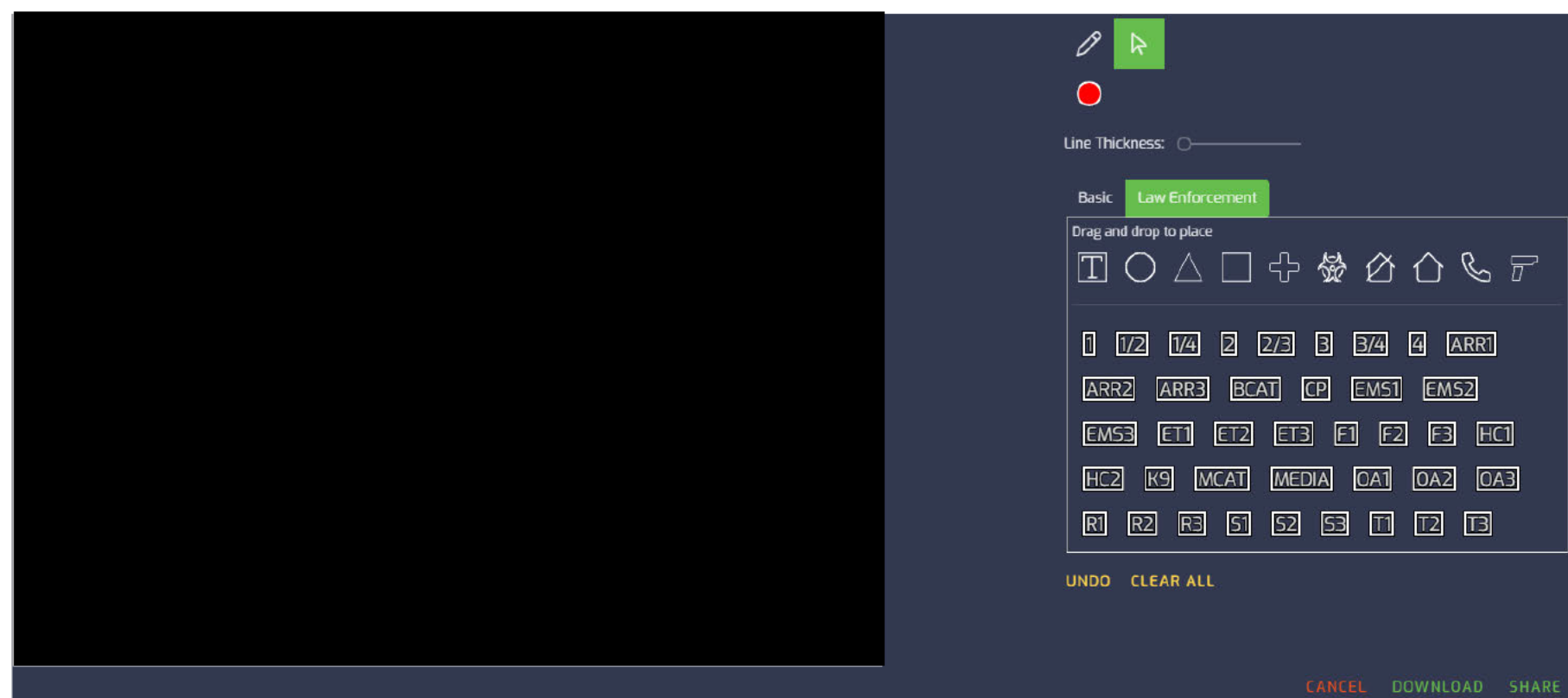
## Map Icon legend

Cameras	LPR & CAD	Extra
<b>Multiple cameras underneath</b> 	Genetec LPR online (LPR Genetec) 	Fusus registry camera. Contact info for owners available but not live streaming. 
Online camera 	Genetec LPR offline 	Camera clusters (Locations) 
Offline camera 	Flock Safety LPR * (LPR Flock) 	Fusus OPS user online with GPS 
GDOT camera -no recordings 	High priority CAD call -Active calls 	Multiple BWC nearby. Zoom tighter. 
BWC buffering (Axon Respond) 	Low priority CAD call –Active calls 	BWC inactive. Battery low. 
BWC recording (Axon Respond) 	APD and EMS units (AVL) 	

## Right side toolbar on map screen



- Slew to Cue. Causes the map to center on the newest alert event. Not often used by APD.
- Zoom in on the center of the map
- Zoom out from the center of the map
- Change map style (Light, Dark, Satellite)
- [Telestrate](#) (copy a portion of the map for markup, ie: TAC plans)
- [Draw polygon](#). Left click drawing lines until object is closed at the beginning for selection.
- [Draw circle](#). Left click and drag outward from the center of your target area for selection.
- Drag-and-drop to add incident. This creates a case structure in Fusus for investigating a particular location. The results can be exported later.
- Weather forecast for this area (why?)
- Hide tools. Hides this toolbar.

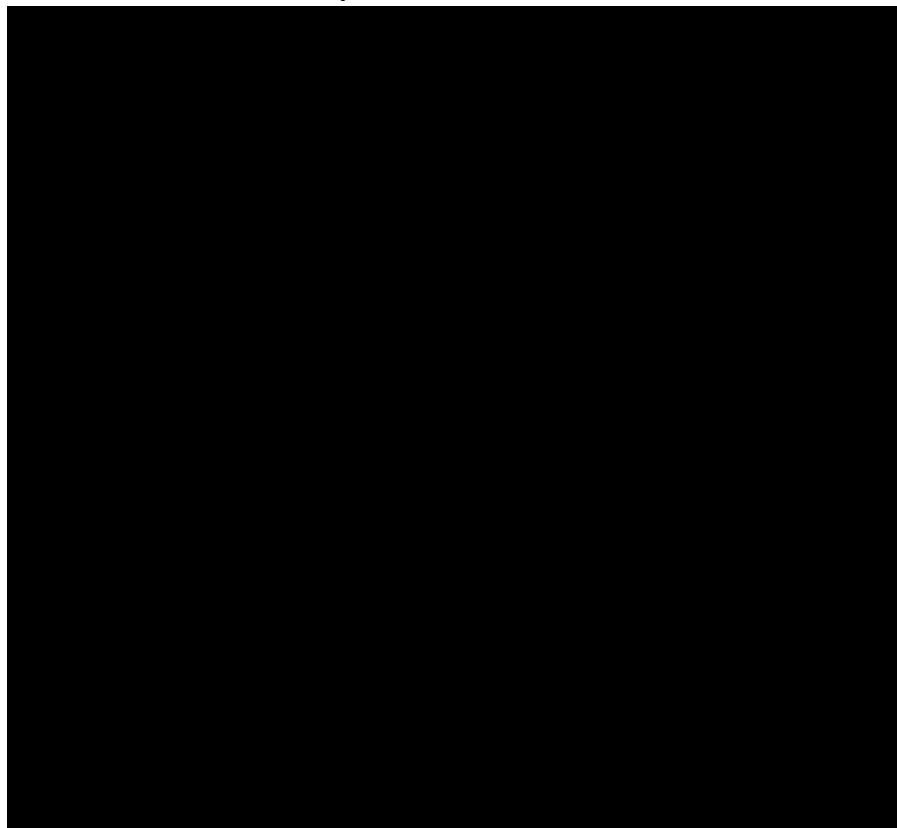


- This allows for taking a screenshot with custom markups to send/share as desired. Useful for planning field operations.
- After positioning the map centered around the desired location the "NEXT" button is in the bottom right-hand corner of the screen.
- Drag-and-drop desired icons/elements onto the screen. When done you can download or share the final product.

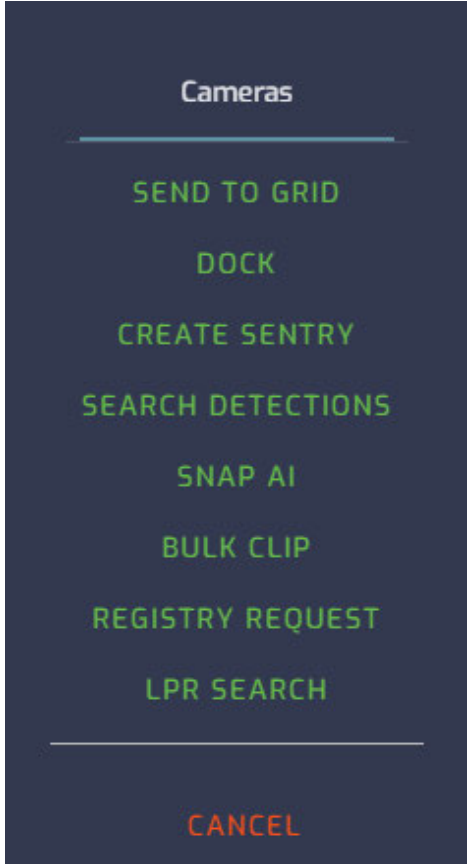
## Example of the circle drawing tool.

The available resources that are presented are based on what type of device is in scope of the boundary.

Since there are both regular cameras and LPR cameras within my boundary then additional options are available.



- Send To Grid: creates a new webpage tab with all views of the available cameras displaying live.
- Dock: shows the visible cameras over the map
- Create Sentry: setup alerts for specific criteria
- Search Detections: Artificial Intelligence searches
- Snap AI: use a known photo to search for other sightings in the Fusus system
- Bulk clip: Export video from all cameras in the boundary
- Registry Request: Send a message to private camera owners requesting footage via Fusus.
- LPR Search: Search for vehicles (work in progress)
- Cancel: exit the context window without action



## Viewing cameras

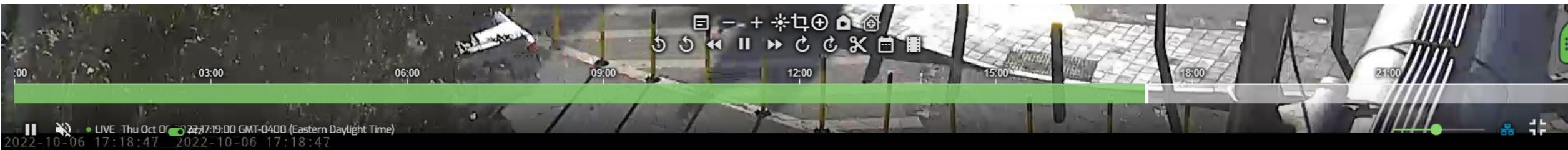
- If already zoomed in on a map where the green camera icons are available, then a single left-click will bring up the camera in a preview window (upper left corner of screen).
- When hovering over the camera view a trajectory line is displayed to which camera you are viewing. Useful if multiple cameras are being viewed simultaneously.
- If the word "LIVE" is displayed that ensures you are not viewing recorded video at that moment.
- To make the image full-screen, click the white box in the lower right-hand corner of the live view image.
- Note: the gold-colored camera icons are GDOT and do NOT record.



## On screen CCTV controls

Presets	Zoom Out	Zoom In	Left click center	Right click zoom	PTZ crosshair	Move to home	Set PTZ home position		
Back 5 seconds	Back half second	Rewind	Pause	Fast Forward	Forward half second	Forward 5 seconds	Screenshot video	Toggle calendar	Create a clip

- The above controls are only visible when your cursor is over the camera display AND if you have PTZ or export permissions.
- The green bar in the below image represents time in a 24-hour format. Far left is midnight.
  - Green means recorded video is available.
  - Black means no recorded video is available.
  - White means that time has not been reached yet (as in future time).
- A single click in the green bar automatically begins playing video from the time selected.
  - You can scroll the center wheel on a mouse or pinch-to-zoom on a trackpad/screen while over the time bar to make it narrow or widen the timeframe.
- The little green tab to the far right-hand lower corner of the screen will bring up system time. [Trust that more than time displayed on screen](#). When clicked it will show the system time in the upper right-hand corner of the screen.





## Search Detections (AI)

- Cameras: automatically selected based on your shape drawn.
  - Detection: any, car, person, bus, motorcycle, bicycle
  - Vehicle Type: SUV/CUV, Sedan, Pickup Truck, Compact / Hatchback, Coupe, Van/Minivan
  - Vehicle Make: Not reliable yet. Work in progress.
  - Color: Self explanatory
  - Start Date/Time: Self explanatory
  - End Date/Time: Self explanatory
- 
- If the detection is for a person, then you would have the following.
  - Top Color: upper body
  - Bottom Color: lower body
  - Gender: Male, Female or Either
  - Has Bag: Yes, No or Either
  - Has Hat: Yes, No or Either
- 
- Clicking "View Results" will display the results on the right side of the screen.
  - Clicking on "Create Sentry" creates a future system search for that criteria (Artificial Intelligence)
  - Clear Filters: reset filter settings

The screenshot displays the 'Search Detections' interface with the following elements:

- Cameras \***: A text input field with a black background and a close button (X).
- Detection**: A dropdown menu with 'car' selected and a close button (X).
- Vehicle Type**: A dropdown menu with 'Select Vehicle Type' and a close button (X).
- Vehicle Make**: A dropdown menu with 'Select Vehicle Make' and a close button (X).
- Color**: A dropdown menu with 'Select Color' and a close button (X).
- Confidence**: A horizontal slider with a green dot in the middle.
- Start Date \***: A date/time field showing '10/5/2022, 16:38:18' with a calendar icon.
- Forever**: A checkbox that is currently unchecked.
- End Date \***: A date/time field showing '10/6/2022, 16:38:18' with a calendar icon.
- Time Range**: A horizontal slider with green dots at '00:00' and '24:00'.
- Buttons**: Three buttons at the bottom: 'VIEW RESULTS' (blue), 'CREATE SENTRY' (green), and 'CLEAR FILTERS' (orange).

## Create Sentry

- Name: What do you want to call this Sentry?
- AI Cameras: Which cameras with Artificial Intelligence should this apply to?
- Detection: any, car, person, bus, motorcycle, bicycle
- Gender, Top / Bottom Colors, Hat, Backpack all like previous slide.
- Important here is the green plus at the bottom "Notifications" and "Set Notification Schedule". This determines who should get the alerts, when and for how long into the future.

### Create Sentry

Name \*  
Enter Search Name  
Field is required

AI Cameras \*

Detection  
person

Confidence

Gender  
Male or Female

Has Hat

Top Color  
Select Top Color

Bottom Color  
Select Bottom Color

Has Bag

Has Backpack

Start Date \*  
10/5/2022, 16:38:18

☐ Forever

CLOSE CREATE

### Create Sentry

Gender  
Male or Female

Has Hat

Top Color  
Select Top Color

Bottom Color  
Select Bottom Color

Has Bag

Has Backpack

Start Date \*  
10/5/2022, 16:38:18

☐ Forever

End Date \*  
10/6/2022, 16:38:18

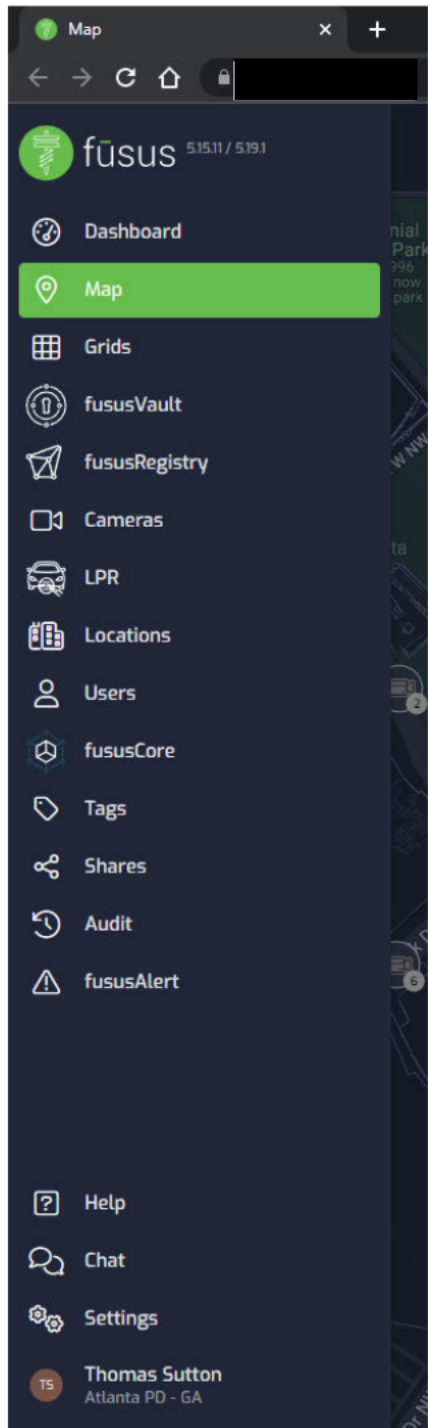
Select a notification time

00:00 24:00

Notifications + SET NOTIFICATION SCHEDULE

No users have been added to receive notifications

CLOSE CREATE



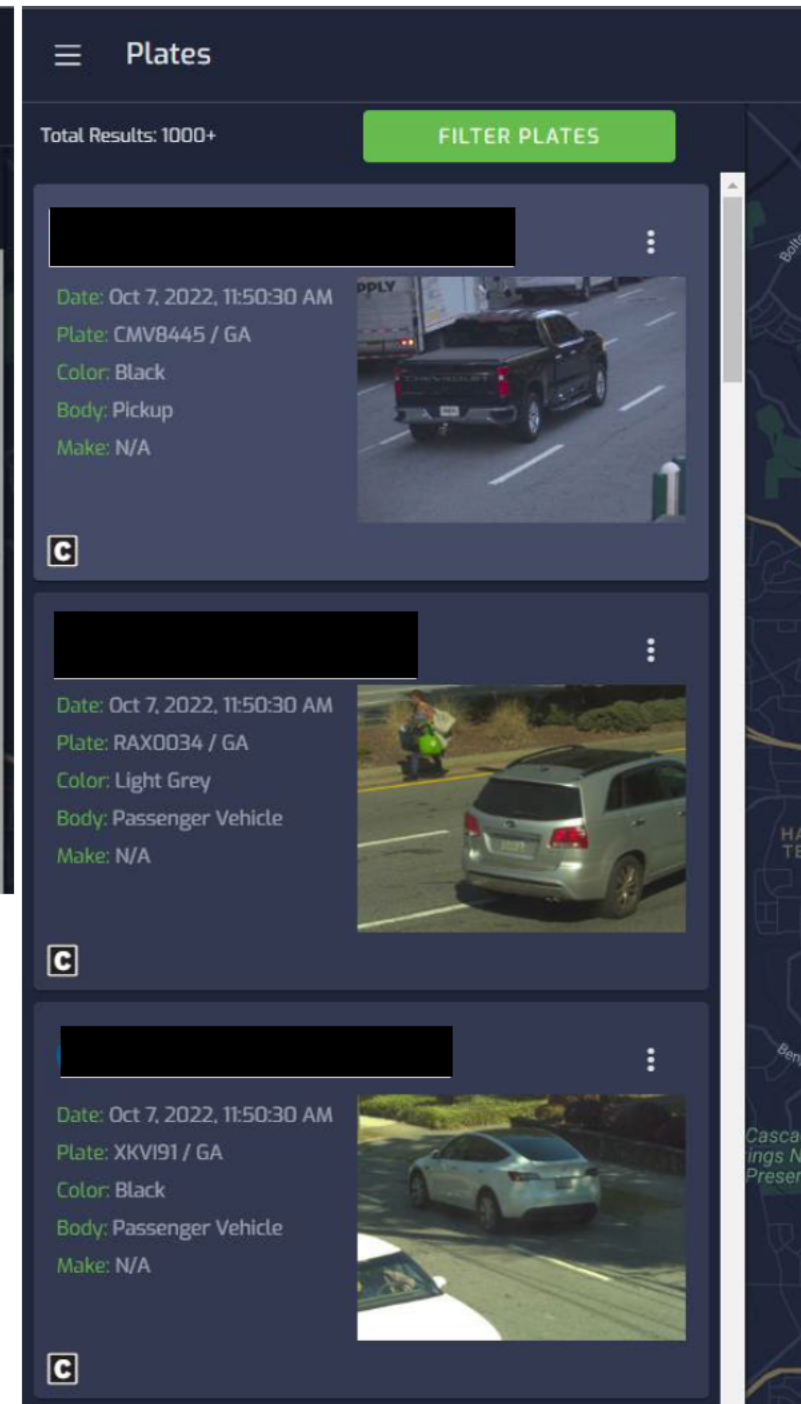
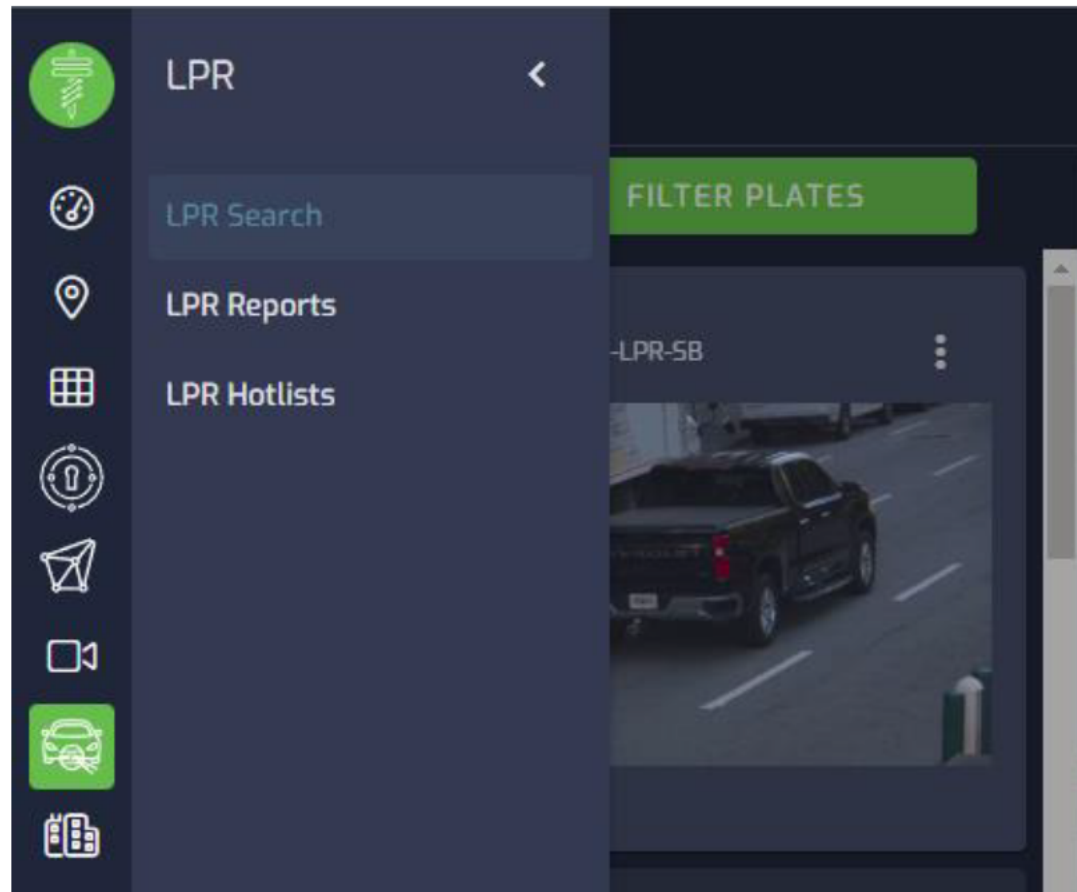
## Elements on the left "Hamburger" menu

- Dashboard:
  - Preconfigured system "Dashboard". Typical admin items but also can add tags to LPR system.
  - Operational Dashboards. Can be custom configured to display a collection of items and saved for future quick access.
- Map: Visual display of resources
- Grids: Access or create custom camera grids for quick access
- FususVault: Where digital evidence is housed until legal agreements with Evidence.com are complete. When video is exported it goes in here under "Surveillance Video". Also, where to retrieve exported video.
- Cameras: Listing of all cameras APD has access to. Do **NOT** share this outside of APD.
- LPR: Search LPRs, LPR Reports and editing of LPR Hotlists.
- Locations: Cameras grouped to a particular entity or physical location.
- Last icon shows the username who is logged in. Here you can edit your personal info in the system, change your password (not suggested here), and log out of Fusus. Leave the Two Factor Authentication (2FA) enabled please. Thank you.

## LPR (from the menu)

When the LPR icon is selected from the left menu it will default to "LPR Search" which is displaying tags from across the entire system for the past 24 hours.

The better way to search LPRs is from the map which will be discussed shortly.



- The results are too broad and will indicate "1000+" reads.
- Currently Fusus cannot show more than 200 results. Work in progress.
- Click the green "Filter Plates" button to narrow the report focus.

## Vehicle Search

Start time

10/11/2022, 12:26:30



End time

10/12/2022, 12:26:30



Plate starts with



Plate ends with



Contains



Type

All



Camera Name



Hit Reason



Vehicle Color



REMOVE FILTERS

CANCEL

DONE

- Select date/time range
- Plate starts with / ends with: known tag characters if available
- Type: Hits, reads or all. Suggest to use "All".
- Camera Name: which cameras do you want included in the search.
- Hit reason: mainly for supervisor stat report filtering. Suggest leaving blank.
- Vehicle type descriptors. Not accurate yet. Work in progress. Leave blank.
- Integration type: Refers to Genetec, Flock, etc. Leave blank for best results.

Vehicle Make



Vehicle Model



Vehicle Body Type



Integration Type



Camera Id



REMOVE FILTERS

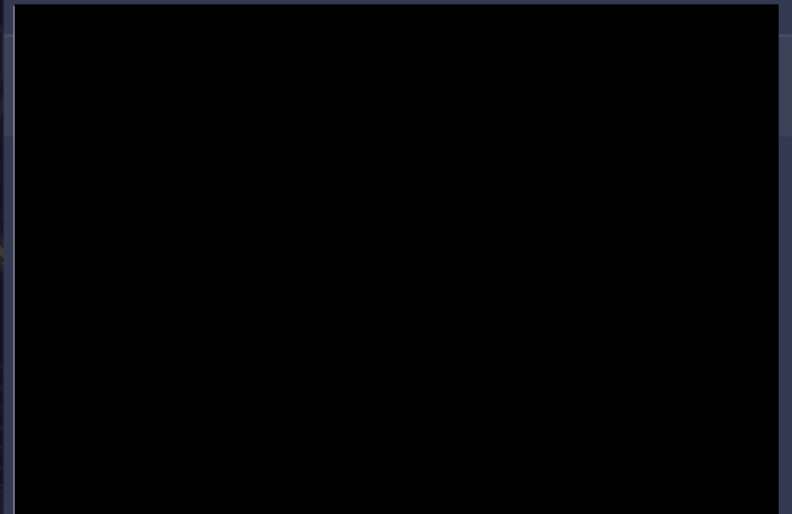
CANCEL

DONE

### Tip for selecting all cameras.

When the camera name field is clicked it displays empty check boxes. Select the first camera then press "**Ctrl-A**" on your keyboard to select all cameras.

Search





Plates

Total Results: 1000+

FILTER PLATES

Expand List

Date: Oct 7, 2022, 12:35:57 PM

Plate: CCST

Color: N/A

Body: N/A

Make: N/A



Results display can be expanded with arrow that is only visible when your cursor is near it.

Plates

Search

Total Results: 1000+

FILTER PLATES


Date: Oct 7, 2022, 12:35:57 PM

Plate: CCST

Color: N/A

Body: N/A

Make: N/A




Date: Oct 7, 2022, 12:35:57 PM

Plate: XVL085 / GA

Color: N/A

Body: N/A

Make: N/A




Date: Oct 7, 2022, 12:35:57 PM

Plate: 6000N

Color: N/A

Body: N/A

Make: N/A




Date: Oct 7, 2022, 12:35:57 PM

Plate: PFZ3257 / GA

Color: Black

Body: Passenger Vehicle

Make: N/A



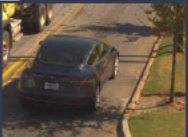
Date: Oct 7, 2022, 12:35:57 PM

Plate: CUN3205 / GA

Color: Dark Blue

Body: Passenger Vehicle

Make: N/A



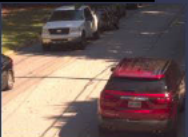
Date: Oct 7, 2022, 12:35:57 PM

Plate: JOE18 / MS

Color: Red

Body: Passenger Vehicle

Make: N/A




Date: Oct 7, 2022, 12:35:56 PM

Plate: RXU9864 / GA

Color: Light Grey

Body: Passenger Vehicle

Make: N/A



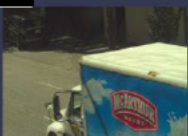
Date: Oct 7, 2022, 12:35:56 PM

Plate: CFWP

Color: N/A

Body: N/A

Make: N/A




Date: Oct 7, 2022, 12:35:56 PM

Plate: JDW1945 / TX

Color: White

Body: Passenger Vehicle

Make: N/A




Date: Oct 7, 2022, 12:35:56 PM

Plate: BYI2717 / GA

Color: White

Body: Passenger Vehicle

Make: Honda



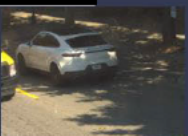
Date: Oct 7, 2022, 12:35:56 PM

Plate: TAA8065 / GA

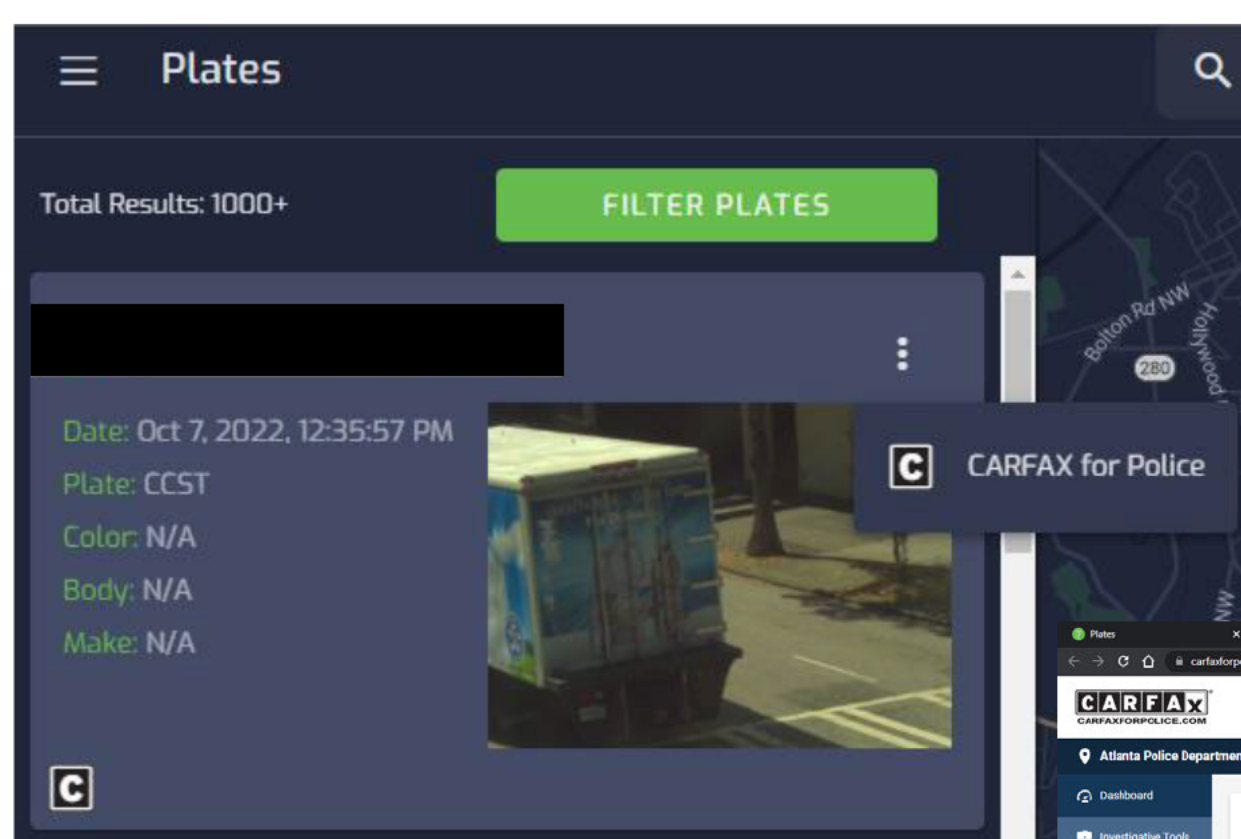
Color: Black

Body: Passenger Vehicle

Make: N/A

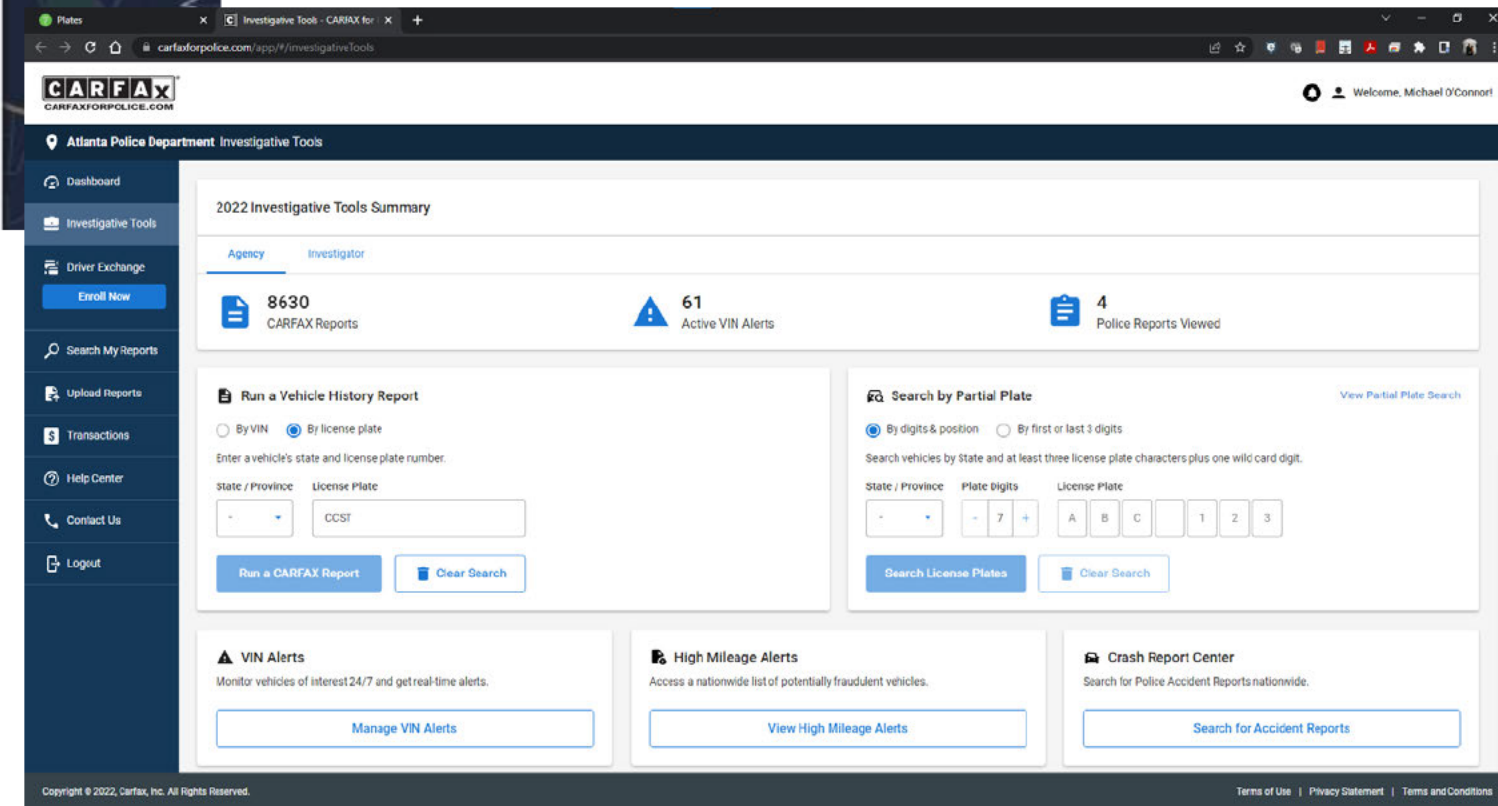






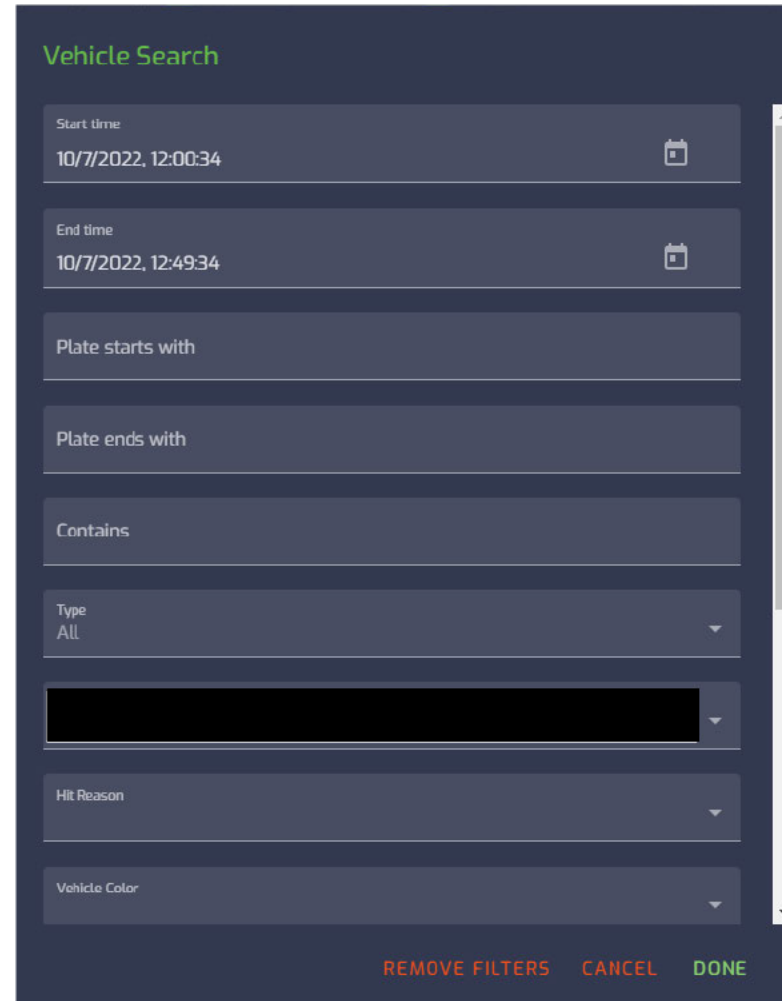
The three vertical dots to the upper right of a LPR result will allow a "CARFAX for Police" report to be run instantly.

- **Note:** currently this is running under one of our APD commanders' account. In the future it will be associated with each individual user.



## LPR search from the map

- Draw your region of interest either with the "Draw circle" or "Draw Polygon" tool from the right-hand menu.
- If LPRs are in the area you will see "LPR SEARCH" as an available menu option. Select it.
- The "VehicleSearch" pop up screen will show like earlier in this lesson. **By default, the system is set for 24 hours, change this accordingly.**
- Click "Done" when finished entering your search criteria.



**Vehicle Search**

Start time  
10/7/2022, 12:00:34

End time  
10/7/2022, 12:49:34

Plate starts with

Plate ends with

Contains

Type  
All

Hit Reason

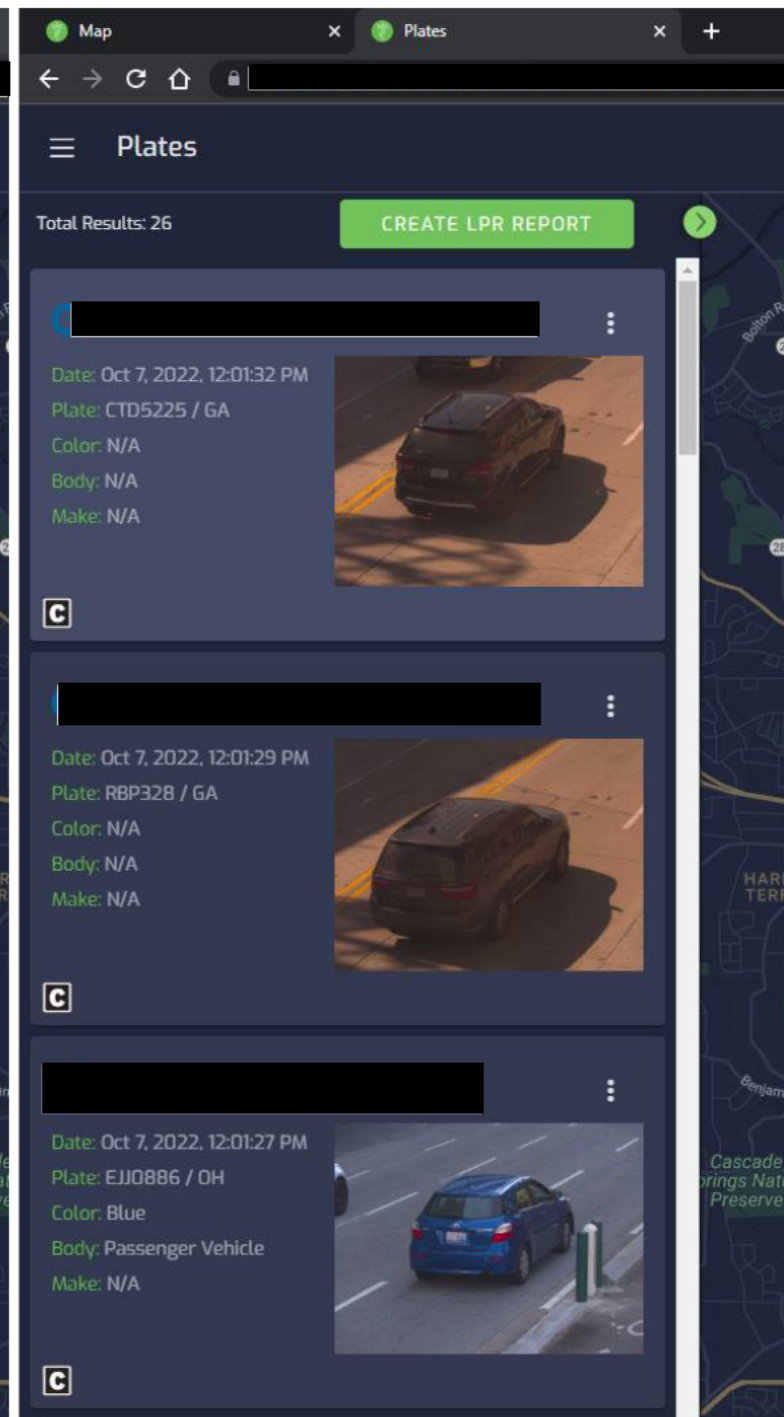
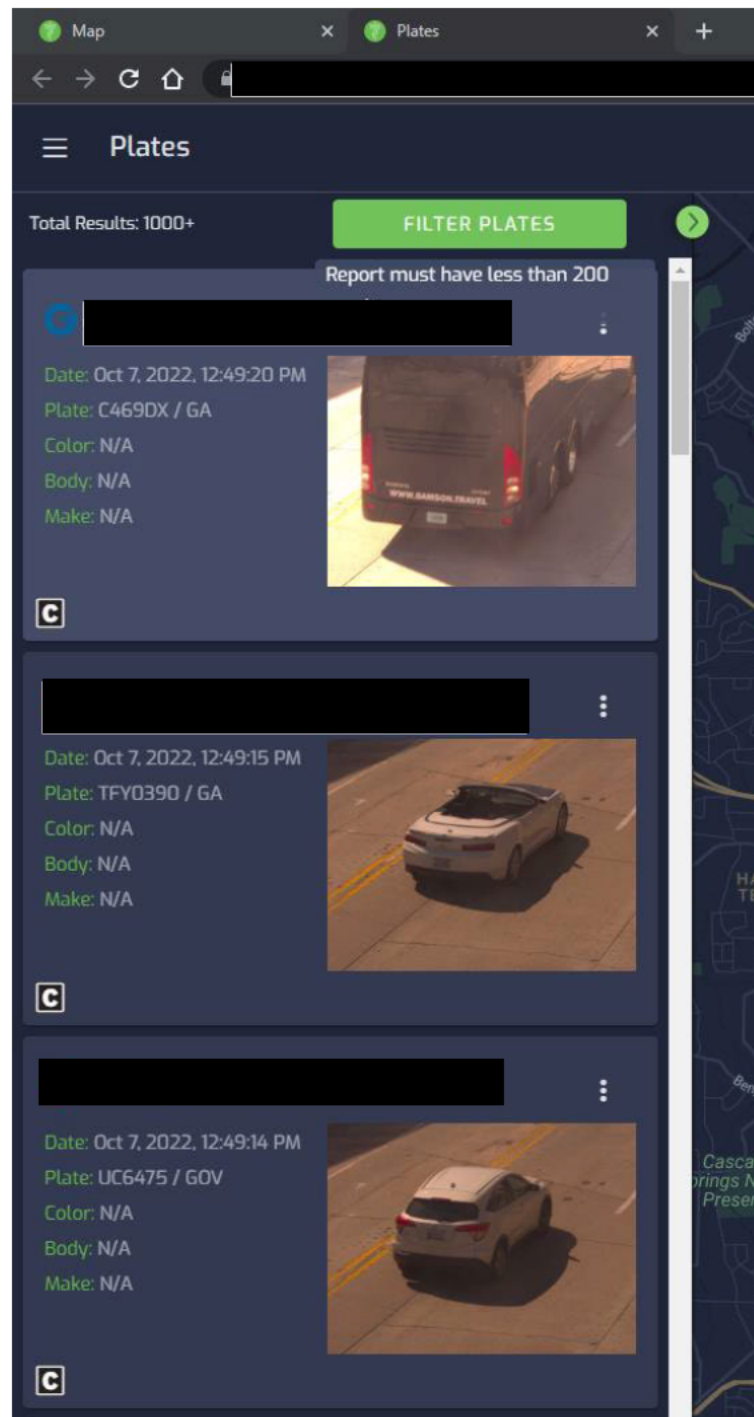
Vehicle Color

REMOVE FILTERS CANCEL DONE

## LPR from the map continued

The results will open in a new web browser tab labeled as "Plates".

- The same Carfax for Police function is available.
- Can still expand the results across the screen if your cursor is near the right side of the green "Filter Plates" button.
- In the 1st screenshot I am intentionally hovering the mouse over the "Filter Plates" button to show that if the results are over 200, there is no current export function for the data. Fusus is working on that.
- When I filtered to only 26 results then a "CREATE LPR REPORT" button became visible (2nd screenshot).



The LPR Report Download pop up box will display which LPRs are included in the results and the time frame.

The file format options are CSV (Microsoft Excel) and PDF. If you need to analyze the data later then choose CSV.

If you need to cancel the report creation, press the Esc key on your keyboard. There is no "Cancel" button on screen.

## LPR Report Download

event\_timestamp\_\_gte

1665158434

event\_timestamp\_\_lte

1665158495

Camera Name:

File Format \*

CSV

CREATE REPORT

EDIT FILTERS

- **FAQ useful info**

- Fusus interface issues OR suggestions for improvements. Email:
  - [HelpDesk@fusus.com](mailto:HelpDesk@fusus.com)
- Fusus direct website address:
  - [REDACTED]
  - Uses Microsoft Single Sign On. Meaning your email username and password.
  - Fusus does have a help section with tutorials in the left menu .
- Need a Fusus user account or permissions upgraded (example PTZ control).
- Requests for an APD mobile CCTV trailer to be deployed (only 4 owned by APD).
- Genetec Security Center is being phased out. The APD owned CCTV and LPR devices have been migrated to Fusus. There are technical issues to still be resolved. If a Genetec account is needed for access to old LPR data, we can accommodate that.
- Requests for camera / LPR repair.
- Requests for a Flock Safety account.
- Email:
  - [VICOPS@AtlantaGA.gov](mailto:VICOPS@AtlantaGA.gov)
- Requests for "Pole cameras" go through APD Homeland Security. The Real Time Crime Center (RTCC) does not have any pole cameras.

**Created by SPO Thomas Sutton**

