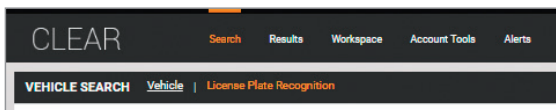
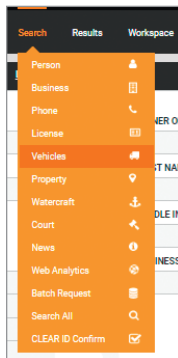


License Plate Recognition Integration Add-On

Thomson Reuters CLEAR® License Plate Recognition (LPR) add-on utilizes Vigilant Solutions live gateway of Vigilant commercial license plate data to plot vehicle locations within the CLEAR interface. The LPR gateway delivers more than 7 billion commercial results from more than 10 years of license plate data collection, with new license plate scans being added at a rate of more than 150 million per month.

LPR SEARCHES

The License Plate Recognition search is available under the Vehicles search drop-down as a secondary search option using the License Plate Recognition toggle.



Public records vehicles and the real-time motor vehicle cannot be searched concurrently, but can be accessed through linked searching of LPR results.

Search Options

The License Plate Recognition search can be conducted using a full plate or by geographic area. The two search options can be combined for more focused results.

1. License Plate Search:

- Searches can be completed with a Full License Plate (ABC123)
- Spaces should be excluded from the entry format

2. Result Limit:

- Search results can be configured to include as few as 250 results up to 1,000 results in combination with the specified license plates, geolocation, dates, and times

3. Map Location Search:

- Powered by Google Maps™, users can enter landmarks, businesses, or street addresses to focus the map on a specific area
- Search view defaults to Map view, but can be adjusted to Satellite view to see physical structures and locations
- To search a specific geographic location, use either the **Draw a Rectangle** or **Draw a Shape** feature
- A Map Location is not required to search; users can draw on the map to get results without other details
- Up to five geographic zones can be searched at one time
- State outlines are provided to search a full state and will count as one geographic location per state
- State outlines cannot limit results to only license plate designs or registrations from that state
- Search areas overlap and results will be deduped to deliver as many unique results as possible within the 1,000-result limitation

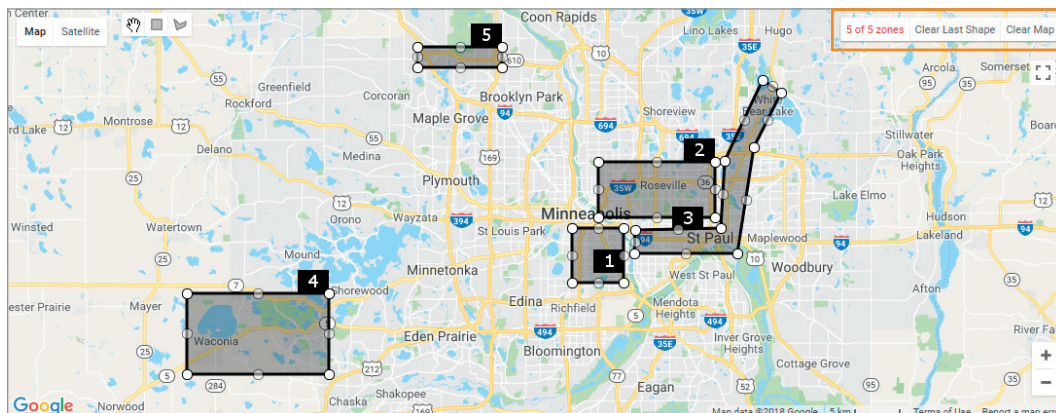
4. License Plate Recognition Time frame

- Searches can also be limited by date and/or time, and can be specified by time zone
 - **Date filters:** Date filters can be entered using the format of MM/DD/YYYY or YYYY
 - **Time filters:** Time filters can be entered using the format of hh:mm am/pm for 12-hour times or hh:mm for 24-hour times
 - **Time zone adjustment:** For investigations where time zones may be different, the time zone may be modified to better match the date and time of the investigatory need

Multi-Area Searching

Users can search up to five geographic areas when doing CLEAR LPR searches.

- Search areas can overlap and results will be deduped within the overlapping area so the same scan will not be delivered multiple times
- If a plate shows up in multiple areas within an area, the plate will display multiple times
- Results are still limited to 1,000 scans



- Map controls in the upper right-hand corner keep track of the number of zones created on the map, as well as provide the ability to clear the last zone created on the map
 - Once five zones have been created, no additional zones will be permitted
 - Results will be returned in reverse chronological order (newest first) in order of the zones
 - Example, if a user has selected the 1,000-result limit and Zone 1 has 1,000 results or greater, users would not see additional results in zones 2-5

LPR RESULTS

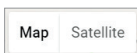
Based on the full plate provided, map area selected, or the combination of the two search options, the License Plate Recognition gateway will search for all commercial license plate scans nationwide.

The screenshot displays the CLEAR dashboard interface. On the left, a table titled 'SEARCH RESULTS: "ABC123"' lists search results for the license plate 'ABC123'. The table has columns for 'LICENSE PLATE', 'DATE/TIME', and 'LATITUDE/LONGITUDE'. Below the table are buttons for 'PRINT' and 'CREATE REPORT'. On the right, a map titled 'DASHBOARD: LICENSE PLATE RECOGNITION' shows the United States with red location markers indicating where scans were detected. The map includes a 'Map' and 'Satellite' view selector.

LICENSE PLATE	DATE/TIME	LATITUDE/LONGITUDE
ABC123	08/09/2017 12:01:27 PM MST(Phoenix)	33.43926843 -112.9221236
ABC123	05/22/2017 11:37:54 PM AZDT	33.79042619 -78.72522185
ABC123	05/22/2017 11:32:29 PM AZDT	33.79149517 -78.73563761
ABC123	05/22/2017 11:22:49 PM AZDT	33.79149517 -78.73563761
ABC123	05/17/2017 03:20:58 PM CST	39.02724237 -94.24773159
ABC123	05/16/2017 09:24:44 PM CST	34.88500178 -83.99032213
ABC123	05/15/2017 09:38:42 PM EST	34.88500379 -83.99043709
ABC123	05/15/2017 11:11:51 AM CST	32.25784243 -90.10610979
ABC123	04/20/2017 09:54:40 PM EST	40.372987 -74.49702006
ABC123	04/05/2017 03:47:53 PM MST	43.80746837 -116.27622345
ABC123	03/28/2017 02:19:26 PM CST	40.37298239 -74.49692209
ABC123	03/01/2017 03:06:14 AM EST	40.0229072 -75.12866079
ABC123	02/24/2017 10:14:53 AM CST	38.7999432 -84.53563271
ABC123	02/24/2017 10:14:52 AM CST	38.79991386 -84.53564905
ABC123	02/22/2017 06:59:21 AM CST	38.93520807 -84.51783908

License Plate Search Results:

- Search Result details:
 - If scan volume is greater than 1,000 hits, results will be limited to the last 1,000 license plate scans
 - Multiple state results may be delivered, since license plates are not unique and can be reused
 - Date and time of scan
 - Latitude and longitude of commercial vehicle location
 - Each result, when selected, will include a full and zoomed image of the plate
- Results will default to the Map view, but can be adjusted to the Satellite view using the dashboard



The screenshot displays the CLEAR mobile application interface. The top navigation bar includes 'CLEAR', 'Search', 'Results', 'Workspace', 'Account Tools', and 'Alerts'. The main content is divided into two panels: a search results table on the left and a dashboard on the right.

SEARCH RESULTS: Reference: N/A

LICENSE PLATE	DATE/TIME	LATITUDE/LONGITUDE
ABC123	01/05/2015 01:57:12 AM CST	40.3728494481 -74.494624263
ABC123	12/31/2015 01:18:38 PM CST	36.4719920897 -97.8063635717
ABC123	12/10/2015 04:03:30 AM CST	40.3728137666 -74.4946281312
ABC123	12/11/2015 01:22:02 AM CST	40.3728569963 -74.4967478081
ABC123	12/10/2015 01:28:41 AM CST	40.3728497734 -74.4967678591
ABC123	12/05/2015 01:28:52 PM CST	44.8538738531 -93.2355807899

LICENSE PLATE | **DATE/TIME** | **IMAGE** | **SOURCE**

ABC123	12/05/2015 01:28:52 PM CST		License Plate Recognition
ABC123	12/06/2015 08:19:03 AM CST		License Plate Recognition
ABC123R	11/24/2015 06:00:52 AM CST		License Plate Recognition
ABC123	11/20/2015 12:13:59 PM CST		License Plate Recognition
ABC123	11/03/2015 10:46:41 PM CST		License Plate Recognition
ABC123	09/25/2015 06:49:38 AM CST		License Plate Recognition
ABC123	09/22/2015 03:25:26 AM CST		License Plate Recognition
ABC123	09/18/2015 11:01:46 AM CST		License Plate Recognition

DASHBOARD: LICENSE PLATE RECOGNITION

Map: Satellite

12/05/2015 01:28:52 PM CST
 License Plate: ABC123
 Potential Plate: ABC123
 Latitude: 44.8538738531
 Longitude: -93.2355807899
 Scanned By: Commercial Data
 System: Commercial System
 Agency Name: N/A
 Camera Type: N/A

Showing: 01-75 of 195 | 4 of 13 | PRINT | CREATE REPORT

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- By selecting a vehicle option on the left-hand pane, the corresponding record will become visible on the right-hand dashboard pane, including:
 - Date and time of scan
 - License plate *linked searching*
 - Latitude and longitude of commercial vehicle location
 - Image of the license plate and the bumper

Filter Results

For performance reasons, search results are limited to the last 1,000 commercial license plate scans. Results can be limited to better identify the desired license plate, criteria, full license plate, date, and time.

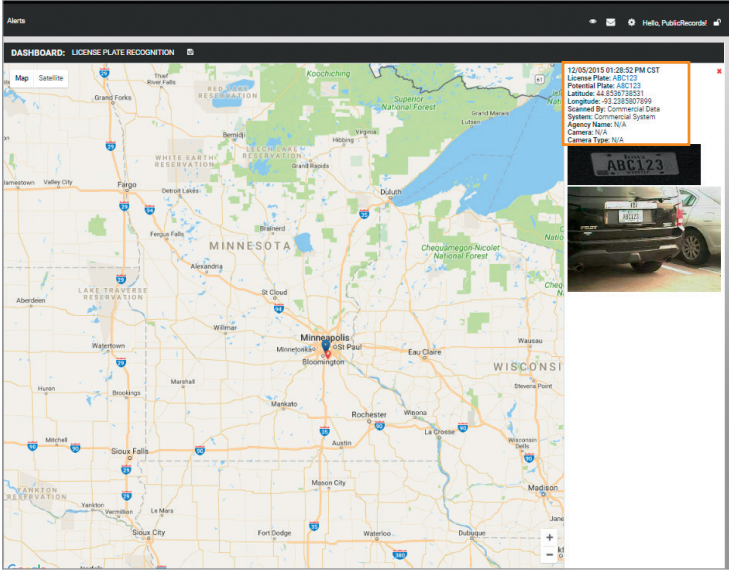
- Criteria
 - Results can be filtered by longitude and latitude
 - Certain filtering options are not available within the License Plate Recognition database, including make, model, vehicle color, owner, state of registry, or year
- A full or partial plate can be used to filter results
 - A full plate can be entered
 - To filter by a partial plate, filtering can only be entered if the first character(s) are known, followed by an asterisk (*)

The screenshot shows a web form titled "ENTER DATA TO FILTER SEARCH RESULTS". The form contains the following elements:

- Criteria:** A text input field with a placeholder "Operator: * * AND OR. Example: Doe AND Jane OR John 1997 D*" below it.
- License Plate:** A text input field.
- Date From:** A text input field with a placeholder "mm/dd/yyyy or yyyy" below it.
- Date To:** A text input field.
- Time From:** A text input field with a placeholder "hh:mm am/pm or Minutes" below it.
- Time To:** A text input field.
- Geo Zone:** A dropdown menu with a "Detected GMT-5" label below it.
- AND / OR:** Two radio buttons, with "AND" selected.
- Buttons:** Three buttons at the bottom: "RESET FIELDS", "FILTER", and "CANCEL".

- Results will be limited to the specified details by license plate where an exact match is found
- Date filters
 - Date filters can be entered using the format of MM/DD/YYYY or YYYY
- Time filters
 - Time filters can be entered using the format of hh:mm am/pm for 12-hour times or hh:mm for 24-hour times
 - For investigations where time zones may be different, the time zone may be modified to better match the date and time of the investigatory need
- The and/or radio buttons can be used where:
 - AND filters for all entered fields
 - OR filters for one or more entered fields
- Geo Zone filters
 - In multi-area search scenarios, results can be limited to a single geo zone
 - Multiple zones can be selected to exclude one or more zones

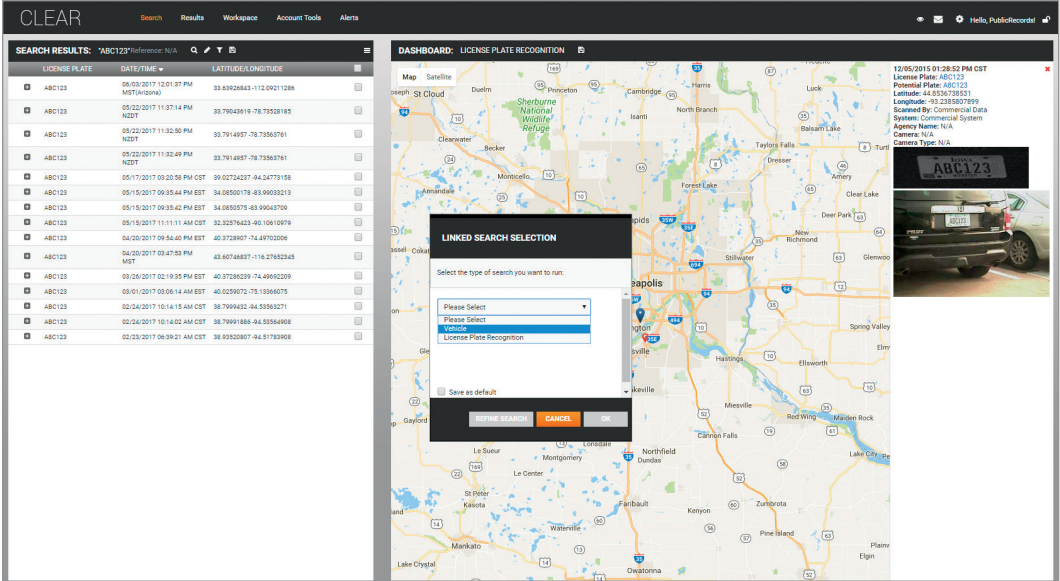
LINKED SEARCH



To access CLEAR public records data as an overlay to the License Plate Recognition gateway data, linked searching is enabled based on the results from either search option. Linked searching is indicated by blue text hyperlinks in the right-hand dashboard pane for a record.

From LPR Search Results

- Click the blue text hyperlink to identify additional linked search details



- Select vehicle from the dropdown to search matched license plates within the CLEAR public records database
 - Note: The Vehicle gateway is not searched through linked searching. If included in your plan, the Vehicle gateway requires additional search criteria beyond a license plate
- A new results screen will open with license plates that match the plate used through the linked search

SEARCH RESULTS: ABC123 Reference: N/A

MAKE/MODEL	YEAR	PLATE	STATE	OWNER OR REGISTRANT	RELEVANCE	RECORDS
CHEVROLET TRAXE	2004	19459M	NM	PEREZ, DENERICA	★★★★	1
TOYOTA CAMRY	1997	08056Z	TN	SHARR, TERRY	★★★★	1
MERCVRY SABLE	2002	891M8K	MN	KROGSTAD, DONNS WAYNE	★★★★	1
ACURA HL	2002	493-CP	TN	MITCHELL, LINDA C.	★★★★	2
JEEP GRAND CHEROKEE	2009			SAMPLE-DOCUMENT, JANE	★★★★	1

VEHICLE RESULT DETAIL

Source: Vehicle Detail
 Owner: SAMPLE-DOCUMENT, JANE
 Year: 2009
 Make/Model: JEEP GRAND CHEROKEE
 Registration Date: 02/13/2007
 Expiration Date: 02/07/2012
 Decoded W: JEEP
 Address:
 811 COPPERMAN DRIVE
 EAGAN, MN 55123

Expand the result group to view more detailed information from this source

OWNER OR REGISTRANT	TITLE NUMBER	REGISTRATION DATE	EXPIRATION DATE	COLOR	SOURCE	
SAMPLE-DOCUMENT, JANE		04/13/2007	02/07/2012	BLACK	Vehicle	
FORD LTD CROWN VICTORIA	1983	95612G	NM	GALLEGGIO, BEN	★★★★	1
HONDA CIVIC/EX	2006			FURAN, MICHELLE A.	★★★★	1
DOODGE CARAMAN	1994	T03000	NM	SACHS, PAUL T.	★★★★	1
ACURA HL	1999	4477Q	TN	DISHART, BENJAMIN T.	★★★★	1
TOYOTA COROLLA	2004			DURAN, MALLIN	★★★★	1
GM: ENVOY/AL	2004	5K0758	NC	HARDISTY, TRAVIS	★★★★	1
TOYOTA CAMRY	1997	67056J	NM	CRESPIN, YVONNE R.	★★★★	1
DOODGE GRAND CARAMAN	2000	E384664	IL	KOZLOPOVICHKA, DWIGHT	★★★★	1
FORD THUNDERBIRD	1997	T03000	NM	CLOSE, ROBERT L.	★★★★	1
VOLKSWAGEN NEW BEETLE	2003	2883AN5U	NM	MARQUEZ, TONY	★★★★	1

- The results can be filtered by state to narrow results
- Clicking a result will populate Vehicle Result Details in the right-hand pane, where available, including (1):
 - Owner
 - Year
 - Make/Model
 - VIN
 - License Plate
 - Registration State
 - Registration Date
 - Expiration Date(s)
 - Address of Owner
- Additional information, including lien holders, is included by clicking the Owner or Registrant Name, where available (2)

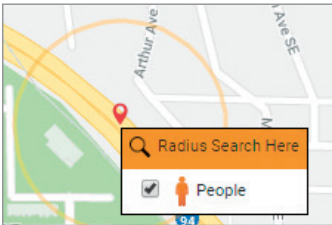
From Other Search Results

Where license plates are shown as blue text hyperlinks, you can click to conduct linked searching against the LPR gateway. Results will be displayed as indicated above.

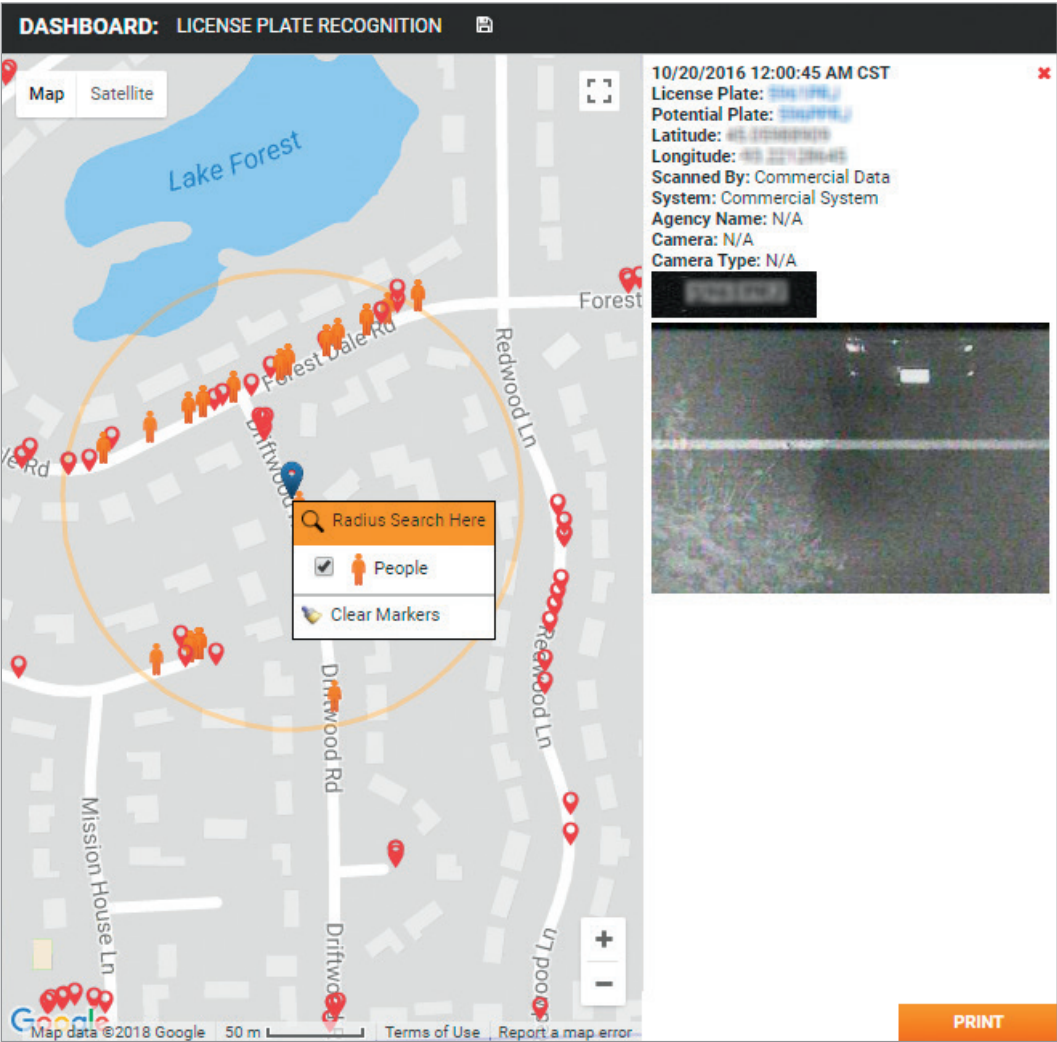
Radius Searching

The radius searching functionality allows users to search for People and Businesses within a 1/10-mile radius from a selected point on the map.

- Right-click on a red icon of interest for the Radius Search feature to be enabled



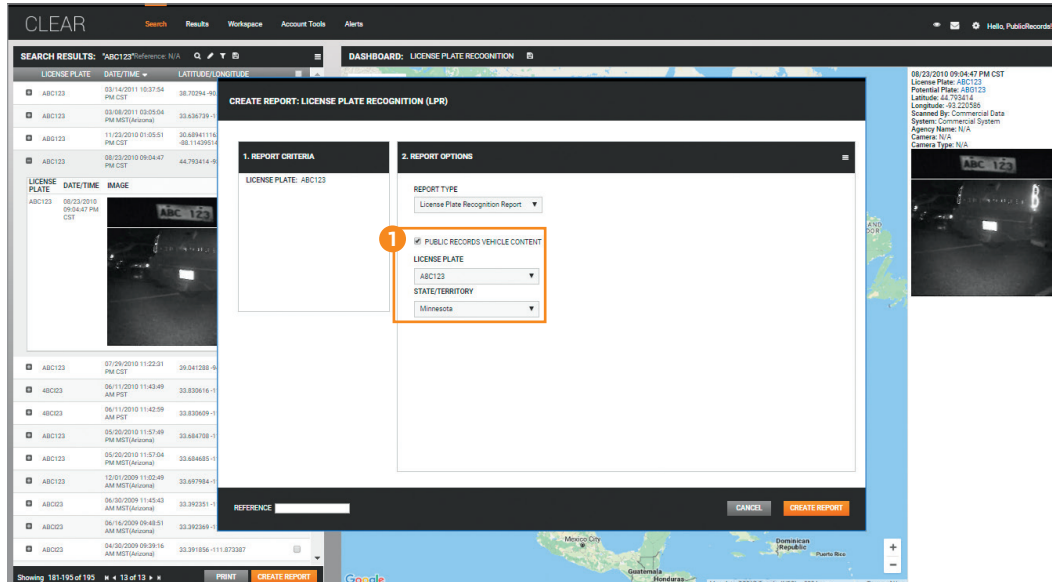
- People icons will populate within 1/10-mile radius of the selected point



- Selecting the People icon will populate individuals residing at or having ties to a given address based on current addresses (not historical)
- Both people and addresses returned can be used to conduct a linked search using the variety of search capabilities available, including person, business, phone, vehicle, court, etc.

ORDERING LPR REPORTS

Reports can be ordered to include LPR data, as well as CLEAR public records information including ownership information and other key vehicle details, where available.



- When a vehicle of interest is identified through the LPR search results, select the corresponding check box next to the result(s)

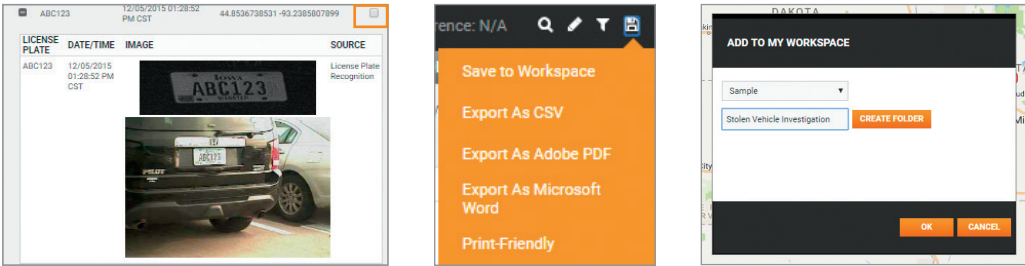


- Click **Create Report**
- Users can select to include Public Records Vehicle Content (1)
 - Users can select a specific plate or state to include in the report
 - Selecting nothing from the dropdowns will include all public records information linked to the selected result
- Reports will include all selected LPR results and any CLEAR public records information, if selected as part of the Report Options

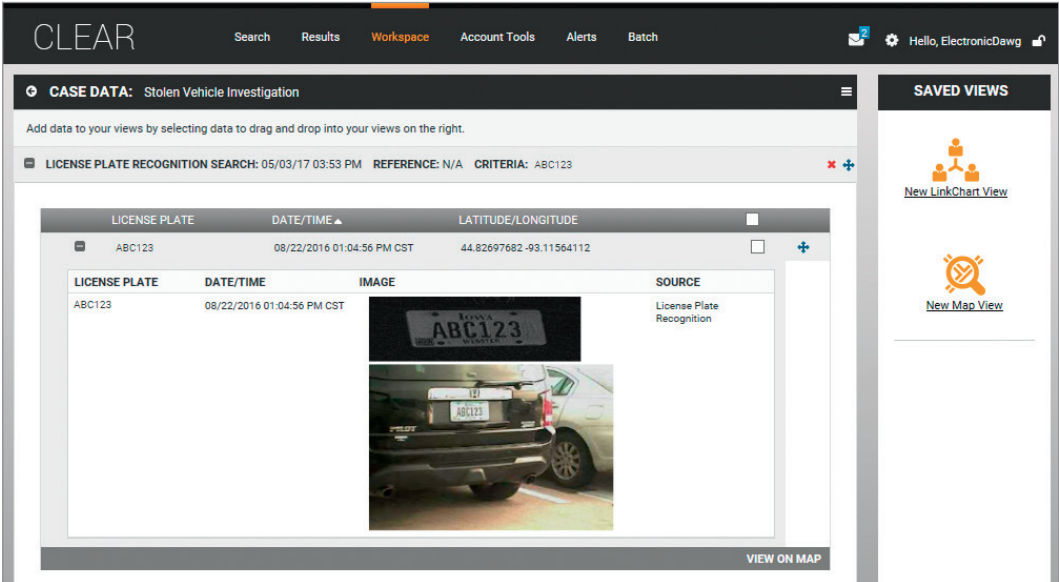
SAVING LPR RESULTS TO CLEAR WORKSPACE

Workspace allows users to create unlimited folders to save search results, reports, or sections of reports. The folders will house the information for future use and combine information from multiple searches. Results can come from any data point to be overlaid within Workspace.

- When a vehicle of interest is identified through the LPR search results or as part of the results, select the corresponding check box next to the result(s)
- When chosen data is selected, click the **Save** button to view the dropdown options
- Select **Save to Workspace**
- Either select an already existing folder or create a new folder



- From within Workspace, users can view saved content, including plotted results on maps for visual trend analysis



CREATING AND MANAGING LPR ALERTS

All LPR users can create up to 50 LPR alerts as part of their subscription inclusion; no additional costs or fees will be assessed.

- Users to be notified when a new image of the specified license plate has been located within the LPR image database, limited to the last 10 detections
- Alerts cannot be transferred to other users within an account
- Users cannot view alerts created by other users
- Alerts will draw from the commercial LPR gateway like all other LPR searches and reports
- If a user has created 50 LPR Alerts, the system will prohibit the 51st alert from being created; at least one alert must be deleted to create future LPR Alerts

Creating an Alert

LPR Alerts are created similarly to any other alert using the “Create” button (🔔 icon) within a result or using the Alerts section at the top of the CLEAR interface

- The alert must be created for a specific license plate number with an optional geographic area
- Alerts cannot be set up on a geographic area alone without a license plate number

CREATE NEW ALERT: LICENSE PLATE RECOGNITION ALERT Person | Business | RTIA | LPR

LICENSE PLATE

Map Satellite Max Number of Zones = 5 Clear Last Shape Clear Map

1 FREQUENCY Daily

2 DESTINATION E-Mail Properties

3 ALERT CREATED DATE
LAST ALERT RUN DATE
NEXT ALERT RUN DATE 06/15/2018
END ALERT DATE

4 REFERENCE

5 Inform me of No Results

1. Frequency can be set to hourly, daily, weekly, bi-weekly, or monthly and how the alerts are delivered
 - Note that hourly alerts will default to end one-month after creation due to system performance preferences; if a longer period is needed, alerts can be modified
2. Notification destinations can be sent to a user’s email or held for notification at sign-on in CLEAR
3. Dates are fully customizable for the length that an alert should be set
 - It is best practice to set alerts with an end date to ensure your criteria can be updated accordingly with new investigative information

4. A reference should be entered so that alert notifications can be easily identifiable
 - For email notifications, alert results will not be displayed due to privacy limitations; a reference to a specific case or license plate is recommended
5. Users can request a notification for no results at the frequency selected

LPR Alert Results

Alert notifications will indicate that new information is available, but users must view the alert results within the Alerts section. The following information is delivered based on the user frequency and delivery preferences:

- Report Date
- Report Time
- Vehicle Plate – Linked Search Available
- Latitude
- Longitude
- Scanned By
- System
- Camera
- Camera Type
- Plate Image
- Vehicle Image
- Mapped Result(s) – Drawing and navigation features are disabled

Edit or View Current LPR Alert Parameters

LPR alerts for end users are in the Alerts profile. Users can view all current LPR Alerts and modify the license plate, mapped area, frequency, destination, and reference for any active LPR Alert.

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