



MANUAL FOR MOBILE MAPPER

© 2013

Rev May/2013

Contents

Overview	page 3
Registration	page 4
Current Incident Details	pages 5 to 9
Edit/Close Incident	pages 10 to 11
Popup Notifications	page 12
Current Incident Map	pages 13 to 16
SINs & Pre-Plans	pages 17 to 18
Apparatus Personnel	pages 19 to 21
Driving Directions	page 22
Taking Photos	page 23
Incidents	page 24
Manage Apparatuses	page 25
Edit Apparatuses	pages 26 to 29
Application Setup	pages 30 to 33
GPS Configuration	pages 34 to 36
Edit Layers	pages 37 to 54
Calendar Notes	page 55
Emergency Notes	pages 56 to 58
Remarks	page 59

OVERVIEW

Mobile Mapper is the ideal tool for mapping and managing your essential fire department information.

Registration

Upon initial launch of Mobile Mapper you will be prompted with a Registration screen. You will be prompted and should have the following information on hand about your station:

1. State
2. County
3. Station Name or Handle
4. The provided password

Upon pressing the “Register with ECM2” button and connecting to the server you will be presented with the Main Current Incident Screen.

You may close registration early but keep in mind you won't be able to access the Main Window until completion of registration



The screenshot shows a window titled "Registration" with the MobileMap logo. The text inside reads: "It looks like this is a new installation of MobileMap from ECM2! Please follow the instructions below to find your station and register for use!". Below this are four input fields: "Select Your State:", "Select Your County:", "Select Your Station:", and "Station Password:". A button labeled "Register with ECM2" is positioned below the fields. At the bottom of the window, a message states: "Internet Connection Established" and "Communication with ECM2 Server successful."

Current Incident Details (Main Window)

Navigate to the Current Incident Screen

Navigate to the list of all Incidents

Navigate to the Apparatus Management Screen

Navigate to the Administrator Screen

Navigate to the Calendar & Emergency Note Management Screen

Your connection to the internet and the ECM2 Servers

The run time of the Current Incident

The availability of water according to your department around the incident

**Note if you don't have a valid internet connection your connection to our servers will be lost and the image will look like this:



Current Incident Details(Cont.)

Navigate to the Current Incident Mapping Screen

Navigate to the SIN/Pre-Plan's for the Current Incident

Navigate to the screen that displays driving directions to the incident

Navigate to the photo taking Screen

Navigate to the Apparatus Personnel screen

The screenshot shows the 'CURRENT INCIDENT DETAILS' screen. At the top, there is a navigation bar with tabs for 'CURRENT INCIDENT', 'INCIDENTS', 'APPARATUS', 'ADMIN', and 'CALENDAR/EMG NOTICES'. Below this, the 'CURRENT INCIDENT DETAILS' section includes a large 'INCIDENT RUNNING TIME' of 15:22:40 and a 'WATER AVAILABILITY (WA)' indicator set to 'Good'. A row of buttons includes 'DETAILS', 'MAPPING', 'SIN/PRE-PLAN', 'DRIVING DIRECTIONS', 'TAKE PHOTO', and a globe icon. The main content area is split into two panels: 'CALL INFORMATION' on the left and 'APPARATUS RESPONDING' on the right. The 'CALL INFORMATION' panel displays the incident number (EXPO4956389), address (3767 Mckoon Ave, Niagara Falls, NY), and detailed call information including location, incident number, nature (FIRE/STRUCTURE), caller (JANE DOE), time of call (7:19:20 PM), and TACs (FIRE TAC 5, EMS TAC 2). A comment states 'Basement full of smoke Murrysville'. An 'EDIT/CLOSE' button is at the bottom of this panel. The 'APPARATUS RESPONDING' panel contains a table with columns for NAME, TIME, TYPE, and DEPARTMENT. One entry is visible: 'Aerial 1' at '19:19:40' of type 'Aerial' from department 'SIS'. A 'DETAILS' button is next to this entry. At the bottom of the screen, there is a 'RESPOND TO CALL' button.

Call response sequence button (see below)

Navigate to closing of the Current Incident to upload to our servers

Call information Display

The Apparatus that have responded to the Current Incident

Current Incident Details (Cont.) explained

As the first screen you come across and an interface to the rest of the application, the current incident screen also displays and records vital information about the Current Incident.

The Call information section displays all the call information gathered and sent by the 911 center. The Apparatus Responding box displays all the current Apparatuses that have responded to the current incident.

The call sequence buttons track your Apparatuses time for each portion of the incident as shown below:



The first button pressed which indicates your apparatus is responding to the call and placing you on the apparatus responder list.

Assisting Incident?

YES

NO

Next you will choose if you're assisting another department's incident.



Next, the time the apparatus arrived on the scene of the incident.



Next, the time the scene of the incident was deemed controlled

SCENE CLEARED

Next, the time at which the apparatus has cleared the scene.

RETURNED TO STATION

Finally, the time the apparatus has returned to the station.

Essentially this screen is designed to show all the information about the call, who is responding to the call, and to collect the information of the apparatus' lifecycle for the call.

In addition the Water Availability indicator has four states.

1. **Red for No Water Available.**

WATER AVAILABILITY (WA)
None

2. **Yellow for Limited Water Available.**

WATER AVAILABILITY (WA)
Limited

3. **Green for Good Water Availability.**

WATER AVAILABILITY (WA)
Good

4. **Black for Unknown, meaning your station hasn't designated the are yet**

WATER AVAILABILITY (WA)
Unknown

(See Edit Layers)

Edit/Close Incident

The 911 Center generated Incident ID

The address of the incident

The call information provided by the 911 center

Any additional notes about the incident go here

Export the information to be processed by our server and Station Manager™

Exit the Current Incident Edit screen

CURRENT INCIDENT EDIT

INCIDENT NUMBER: EXPO4904589

INCIDENT ADDRESS: 507 Pine Ave, Niagara Falls, NY

911 CALL INFORMATION:
Loc: 507 Pine Ave, Niagara Falls, NY X-sts: Inc#EXPO4904589 NATURE: FIRE/STRUCTURE FIRE CALLER: JANE DOE TOC: 10:30:22 AM Fire TAC: FIRE TAC 5 EMS TAC: EMS TAC 2 Comments: Basement full of smoke Murrysville PD notified Disp: E64, AT64, E20-1, L30, E22-1, SO78, L20

ADDITIONAL NOTES:

RESPONSE TIME: 1/9/2013 10:32 AM

ARRIVAL TIME: 1/9/2013 10:33 AM

SCENE CONTROLLED TIME: 1/9/2013 10:33 AM

ASSISTED INCIDENT?

START ENGINE HOURS: 20.00

END ENGINE HOURS: 20.00

SCENE CLEARED TIME: 1/9/2013 10:34 AM

RETURNED TO STATION TIME: 1/9/2013 10:34 AM

START PUMP HOURS: 20.00

END PUMP HOURS: 20.00

MILEAGE: 0

OR

START MILES: 120.00

END MILES: 120.00

EXPORT

EXIT

**Note try to ensure proper hours, e.g. if your start hours are 20, try and make your end hours 20 or more. Also your arrival time should come after your response time and so on.

Edit/Close Incident(Cont.)

The screenshot shows the 'CURRENT INCIDENT EDIT' interface with the following fields and callouts:

- INCIDENT NUMBER:** EXP04904589
- INCIDENT ADDRESS:** 507 Pine Ave, Niagara Falls, NY
- 911 CALL INFORMATION:**
 - Loc: 507 Pine Ave, Niagara Falls, NY X-its: Inc#:EXP04904589
 - JANE DOE T
 - smoke Murr
 - MS TAC: L, L30, E
- ADDITIONAL INFORMATION:** (Empty text area)
- RESPONSE TIME:** 1/9/2013 10:32 AM
- ARRIVAL TIME:** 1/9/2013 10:33 AM
- SCENE CONTROLLED TIME:** 1/9/2013 10:33 AM
- ASSISTED INCIDENTS:** (Checked checkbox)
- START ENGINE HOURS:** 20.00
- END ENGINE HOURS:** 20.00
- START PUMP HOURS:** 20.00
- END PUMP HOURS:** 20.00
- START MILES:** 120.00
- END MILES:** 120.00
- SCENE CLEARED TIME:** 1/9/2013 10:34 AM
- RETURNED TO STATION TIME:** 1/9/2013 10:34 AM
- MILEAGE:** 0

Callouts and their corresponding fields:

- The time recorded when your apparatus responded to the call:** RESPONSE TIME
- The time recorded when your apparatus arrived on scene:** ARRIVAL TIME
- The time recorded when your apparatus had deemed the scene controlled:** SCENE CONTROLLED TIME
- Checked if your apparatus assisted another department's incident:** ASSISTED INCIDENTS
- The start and end time the engine was running during the incident:** START ENGINE HOURS, END ENGINE HOURS
- The start and end amount of hours your apparatus pumped:** START PUMP HOURS, END PUMP HOURS
- The time your apparatus cleared the scene:** SCENE CLEARED TIME
- The time your apparatus returned to the station after an incident:** RETURNED TO STATION TIME
- Our calculated mileage of the incident based on GPS:** MILEAGE
- You may enter the start mileage of your apparatus before the incident and end mileage:** START MILES, END MILES

The Edit incident screen allows you export your incident along with all its information to our servers. From there if your station has purchased Station Manager™, you may use our top-of-the-line Incident management software to manipulate and finalize this information for reporting and archiving!

Popup Notifications

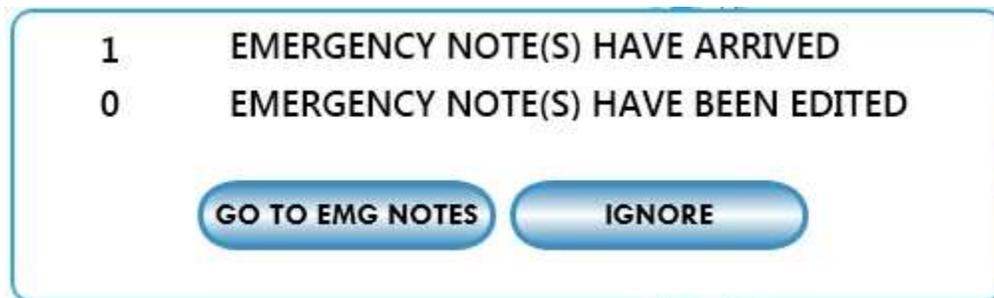
Whenever Mobile Mapper is running and your 911 center pushes a call to every station you will receive a push notification within seconds. Push notifications through Mobile Mapper™ ensure you know about a call and receive all information for that call within seconds. They also inform you about important emergency notifications in your area.

Incident Notifications



This is the popup you will see upon receiving a call. You may choose to go to the Current Incident Details screen and proceed with the call, or ignore the call if you're busy doing something else. If no choice is selected within a certain number of seconds you the popup will disperse and you will be moved automatically to the Current Incident Details screen. You may adjust how long until you're automatically moved on the Admin page (see Admin and Settings).

Emergency Notifications



This notification will pop up when somebody in your station makes a modification or adds a new Emergency Note within your district. As before, you may click, "Go to Emergency Notes," to go directly to the screen containing the notes, or press "Ignore" to continue what you are doing. Upon timeout you will not be directed to the Emergency Note page.

Current Incident Map

As you can see the Main navigation buttons (Current Incident, Incident, Apparatus, Admin, and Calendar/EMG Notices) and Incident buttons and information (Details, Mapping, SIN/Pre-Plan, Driving Directions, Take Photo, Incident Time, and Water Availability) are replicated on this page for ease of access. Even the call sequence buttons are replicated here for ease of access.

The screenshot shows the 'Current Incident Map' interface. At the top, there is a navigation bar with buttons for 'CURRENT INCIDENT', 'INCIDENTS', 'APPARATUS', 'ADMIN', and 'CALENDAR'. Below this is a 'CURRENT INCIDENT' header. The main map area displays a street grid with various colored markers representing different objects. A red circle highlights a specific location on the map. To the right of the map is a 'Menu' panel with a list of layers and objects, including 'Emergency Notes', 'District Boundaries', 'Hydrants', 'Water Lines', 'Pre-Plans', 'Site Incident Notes', 'Drafting Stations', 'EMS Stations', 'Fire Stations', 'SARA Facilities', 'Hospitals', 'Landing Zones', 'Boat Decks', 'Water Avail', 'Custom', and 'Show Path'. At the bottom of the map, there are several controls: a 'RESPOND TO CALL' button, a 'Bing Maps' dropdown, and three checkboxes: 'MY LOCATION', 'WHO IS NEAR ME?', and 'KEEP ME CENTERED'. A status bar at the very bottom shows 'Current Lat/Long: 43.0863356, -79.059164'. Various callouts with arrows point to these features, explaining their functions.

MOBILE MAP
ECM² MOBILEMAP
SENWUL
CURRENT INCIDENT **INCIDENTS** **APPARATUS** **ADMIN** **CALENDAR**

Toggle the GPS On/OFF

WATER AVAILABILITY (WA)
Unknown

Toggle the Layer Menu

The Incident Location

The layers and objects associated show up on the map at the location they are placed

Your station's location

(-) Zoom out (+) Zoom in

Road View/Aerial View

RESPOND TO CALL **Bing Maps** **MY LOCATION** **WHO IS NEAR ME?** **KEEP ME CENTERED**

Emergency Notes
District Boundaries
 Hydrants
Water Lines
 Pre-Plans
Site Incident Notes
Drafting Stations
EMS Stations
Fire Stations
SARA Facilities
Hospitals
Landing Zones
Boat Decks
Water Avail
Custom
Show Path

Current Lat/Long: 43.0863356, -79.059164

The location of your cursor

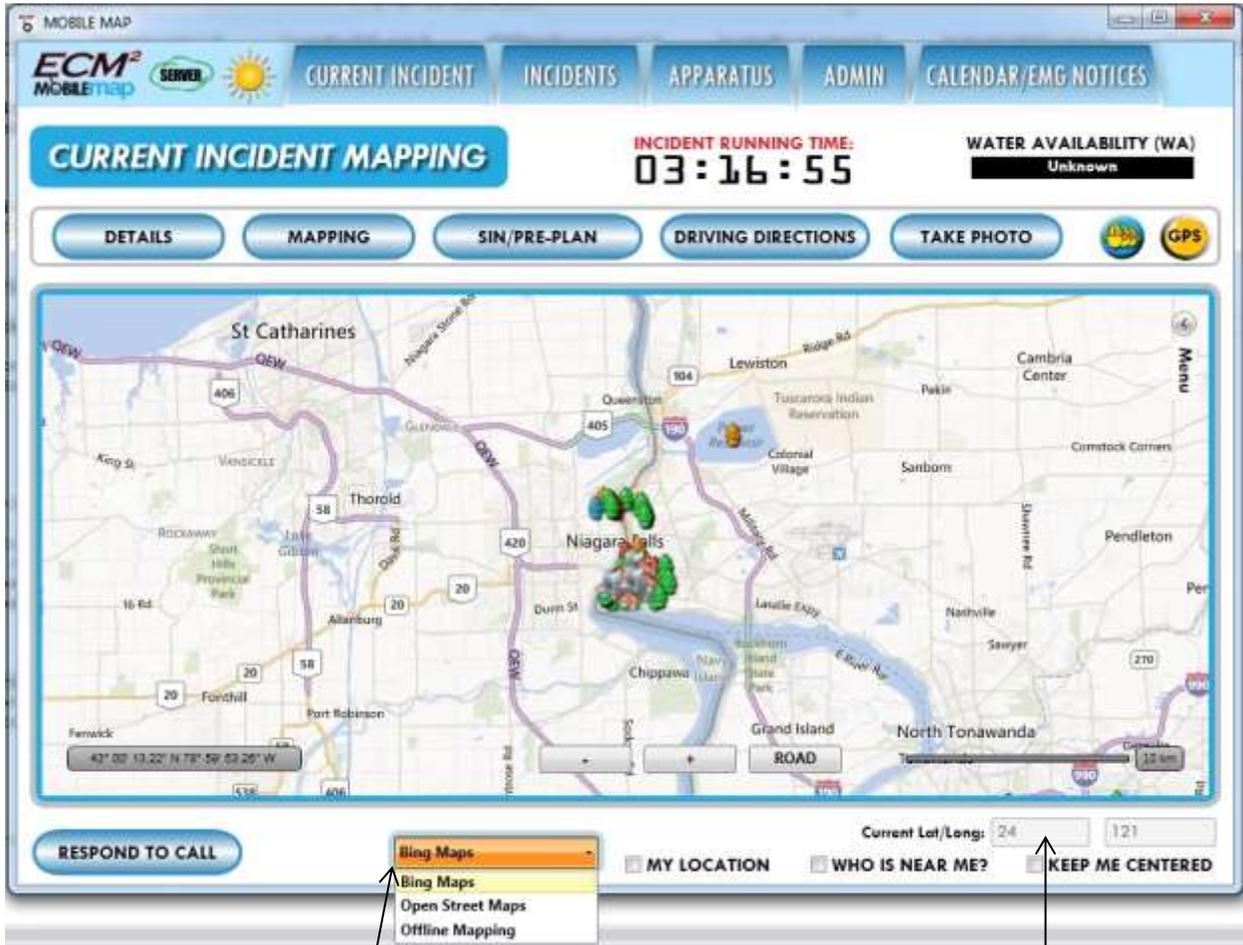
Show your location on the map.

Show nearby apparatuses, even from other stations

The map will follow you as you move.

Choose which layers of objects you'd like to show.

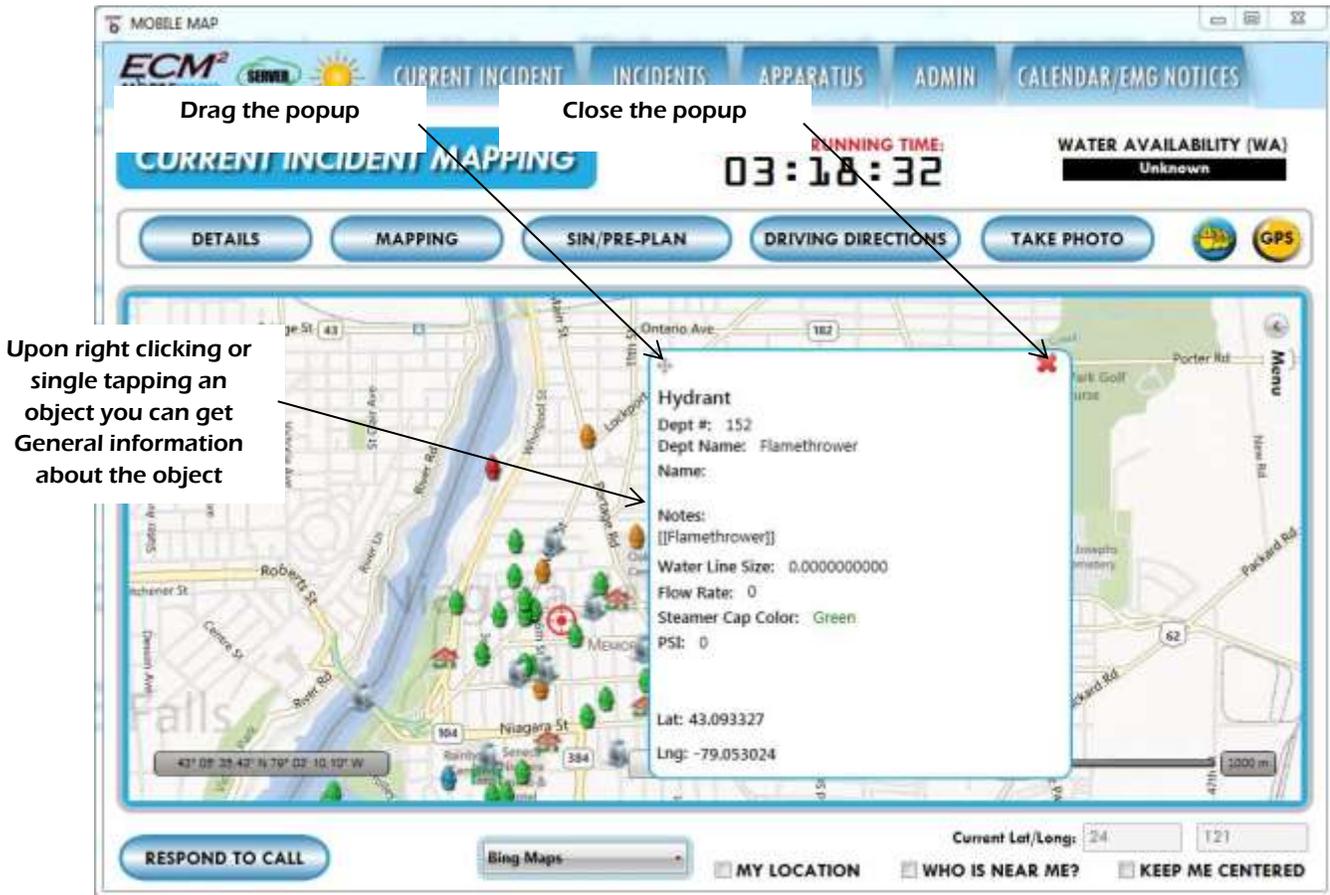
Current Incident Map(Cont.)



Choose the map provider. In Offline Mapping most mapping functions will work even without a valid connection

Your apparatus' current location in Latitude – Longitude will be shown here.

Current Incident Map(Cont.)



The Current Incident Map is your immediate interface to all the incident related objects and it's mapped data.

First let's start with the GPS Button. The GPS Button begins as **Red** indicating that it is not running. Upon clicking the GPS Button it will changed to **Yellow**. This indicates that the GPS is searching for a signal. After a successful connection the image will finally flash **Green** indicating you have a valid GPS signal and are being tracked. After you have a valid GPS signal you may check any of the three check boxes located at the bottom of the screen. My location will show your location and move as you move. If you don't have a valid GPS signal then it'll just show at your station's location.

If Who Is Near Me? Is checked, then you will see all apparatuses around you from your station and possible other stations within a radius (which may be changed in the Admin section). Each apparatus nearby will be identified by their Display Code.

Keep Me Centered will do just that. It will follow you as you travel around with a valid GPS Signal, making panning impossible.

The map provider drop down box is provided for speedy switching between map providers. Some map providers may drop in certain areas so switching between them is useful. For offline mapping all functionality of the map still exists we simply lose the ability to tell others where you are on the map. Offline mapping also only pertains to your district and is a pre-determined area upon set-up. Please note that Aerial and Road views are only available for Bing Maps.

As far as map functionality, the three buttons at the bottom center are for zooming, and changing the view of the Bing Maps Provider only between Aerial(Satellite) and Road view.

Any map object may be right clicked on, and any **point** (not Shape or Polygon) may be tapped to gain more information about that object. SIN and Pre-Plans give the option to view the PDF associated with them.

Finally and most importantly, at the top right there is a menu arrow. This allows you to view our 16 layers for incident and district related map objects. Each menu item may be toggled on and off as a check box would. If checked, the items for your district show on the map, if unchecked they don't show. The 16 Layers will be explained each in detail in our **Edit Layers** section.

Site Incident Notes and Pre-Plans

The screenshot shows a mobile application interface for incident management. At the top, there's a navigation bar with 'MOBILE MAP' and several menu items: 'CURRENT INCIDENT', 'APPARATUS', 'ADMIN', and 'CALENDAR/EMG NOTICES'. Below this, a 'CURRENT INCIDENT' section displays 'INCIDENT RUNNING TIME: 3:39:12' and 'WATER AVAILABILITY (WA): Unknown'. A central callout box points to the 'SITE INCIDENT NOTES' table, stating: 'Site Incident Notes are displayed here with Name, Address, Notes, and Distance to Incident'. Below the notes table is a 'PRE PLANS' table, with a callout box pointing to it stating: 'Pre Plans are displayed here. Note the Distance to incident is in meters.' At the bottom, there is a 'RESPOND TO CALL' button.

NAME	ADDRESS	NOTES	DIS
>	614 Pine Ave Niagara Falls, New York 14301		106
3	727 Main St Niagara Falls, New York 14301	[[Flamethrower]]	195
			195

NAME	ADDRESS	NOTES	DISTANCE TO INCID
>	507 Pine Avenue, Niagara Falls, NY 14301, USA		166.34
	515 6th Street Niagara Falls, New York 14301	[[Flamethrower]]	288.65
	1020 Pine Avenue Niagara Falls, New York 14301	[[Flamethrower]]	333.80
	522 5th Street Niagara Falls, New York 14301	[[Flamethrower]]	389.48
	000 Main Street Niagara Falls, New York 14301	[[Flamethrower]]	449.50

** Notice that all the Current Incident Details is preserved even in the SIN/Pre-Plan page.

Site Incident Notes and Pre-Plans (Cont.)

By double clicking on a row in either the Site Incident Notes List or Pre Plans list you may view a popup with the information about that specific SIN or Pre Plan.

The screenshot shows the ECM Mobile Map interface. At the top, there are navigation tabs: CURRENT INCIDENT, INCIDENTS, APPARATUS, ADMIN, and CALENDAR/EMG NOTICES. Below these, a status bar displays 'CURRENT INCIDENT SIN/PRE-PLAN', 'INCIDENT RUNNING TIME: 03:40:04', and 'WATER AVAILABILITY (WA) Unknown'. A row of buttons includes DETAILS, MAPPING, SIN/PRE-PLAN, DRIVING DIRECTIONS, and TAKE PHOTO. The main content area is divided into two sections: 'SITE INCIDENT NOTES' and 'PRE PLANS'. Both sections have a table with columns for NAME, ADDRESS, NOTES, and DISTANCE TO INCIDENT. A popup window is open over the 'PRE PLANS' section, showing details for a Pre Plan at 515 6th Street Niagara Falls, New York 14301. The popup includes a 'View PDF' button, which is highlighted by an arrow from the text below.

NAME	ADDRESS	NOTES	DIST
>	614 Pine Ave Niagara Falls, New York 14301		106
3	727 Main St Niagara Falls, New York 14301		195

NAME	ADDRESS	NOTES	DISTANCE TO INCID
>	507 Pine Avenue, Niagara Falls, NY 14301, USA		186.34
	515 6th Street Niagara Falls, New York 14301	[[Flamethrower]]	288.65
	1020 Pine Avenue Niagara Falls, New York 14301	[[Flamethrower]]	333.80
	522 5th Street Niagara Falls, New York 14301	[[Flamethrower]]	
	600 Main Street Niagara Falls, New York 14301	[[Flamethrower]]	

By Clicking on the View PDF button an Adobe instance will begin and allow you to view the Pre Plan PDF

Apparatus Personnel

Switch between Available personnel and Personnel assigned to other apparatuses already

ASSIGN PERSONNEL

AVAILABLE | ASSIGNED OTHER

	LAST NAME	FIRST NAME
<input type="checkbox"/>	Cool	Way
<input checked="" type="checkbox"/>	Battaglia	John
<input type="checkbox"/>	Cyman	Dave
<input type="checkbox"/>	Flemming	Tyler
<input type="checkbox"/>	z	z
<input type="checkbox"/>	Pepper	Hank
<input type="checkbox"/>	Prime	Transformer
<input type="checkbox"/>	Stack	Pat
<input type="checkbox"/>	Johnston	Englebert
<input type="checkbox"/>	Logiprop 10	George
<input type="checkbox"/>	Casaccia	Charlie
<input type="checkbox"/>	nexus--> 7	ej

Click a row to assign a first responder to your apparatus.

Synchronize your personnel selections with all other apparatuses

SAVE

The Assign Personnel page allows the first responder to select which personnel are currently present on their apparatus.

Apparatus Personnel (Cont.)

ASSIGN PERSONNEL

AVAILABLE	ASSIGNED OTHER	
	LAST NAME	FIRST NAME
<input type="radio"/>	Reviewer	iOS

SAVE

This screen shows which users are already assigned to another apparatus. You may choose this personnel but it will create conflict.

Apparatus Personnel (Cont.)

The screenshot shows a software interface titled "ASSIGN PERSONNEL". It features a table with two columns: "LAST NAME" and "FIRST NAME". The table lists several personnel, with "Dave" highlighted in yellow. A red circle next to "Cool" and "Battaglia" indicates they are already assigned. A dialog box is overlaid on the table, asking: "One or more of the personnel you have selected conflict(s) with another apparatus. Would you like to unselect any personnel before saving?". The dialog has "YES" and "NO" buttons. An arrow points from the text "Conflicted Personnel" to the highlighted row for "Dave". A "SAVE" button is located at the bottom right of the interface.

AVAILABLE	ASSIGNED OTHER	
	LAST NAME	FIRST NAME
<input checked="" type="checkbox"/>	Cool	Way
<input checked="" type="checkbox"/>	Battaglia	John
<input checked="" type="checkbox"/>	Cyman	Dave
<input type="checkbox"/>	Flemming	Tyler
<input type="checkbox"/>	x	x
<input type="checkbox"/>	Pepper	Hank
<input type="checkbox"/>	Prime	
<input type="checkbox"/>	Stack	
<input type="checkbox"/>	Johnston	
<input type="checkbox"/>	Logiprop 10	
<input type="checkbox"/>	Casaccia	
<input type="checkbox"/>	nexus--> 7	

One or more of the personnel you have selected conflict(s) with another apparatus. Would you like to unselect any personnel before saving?

YES NO

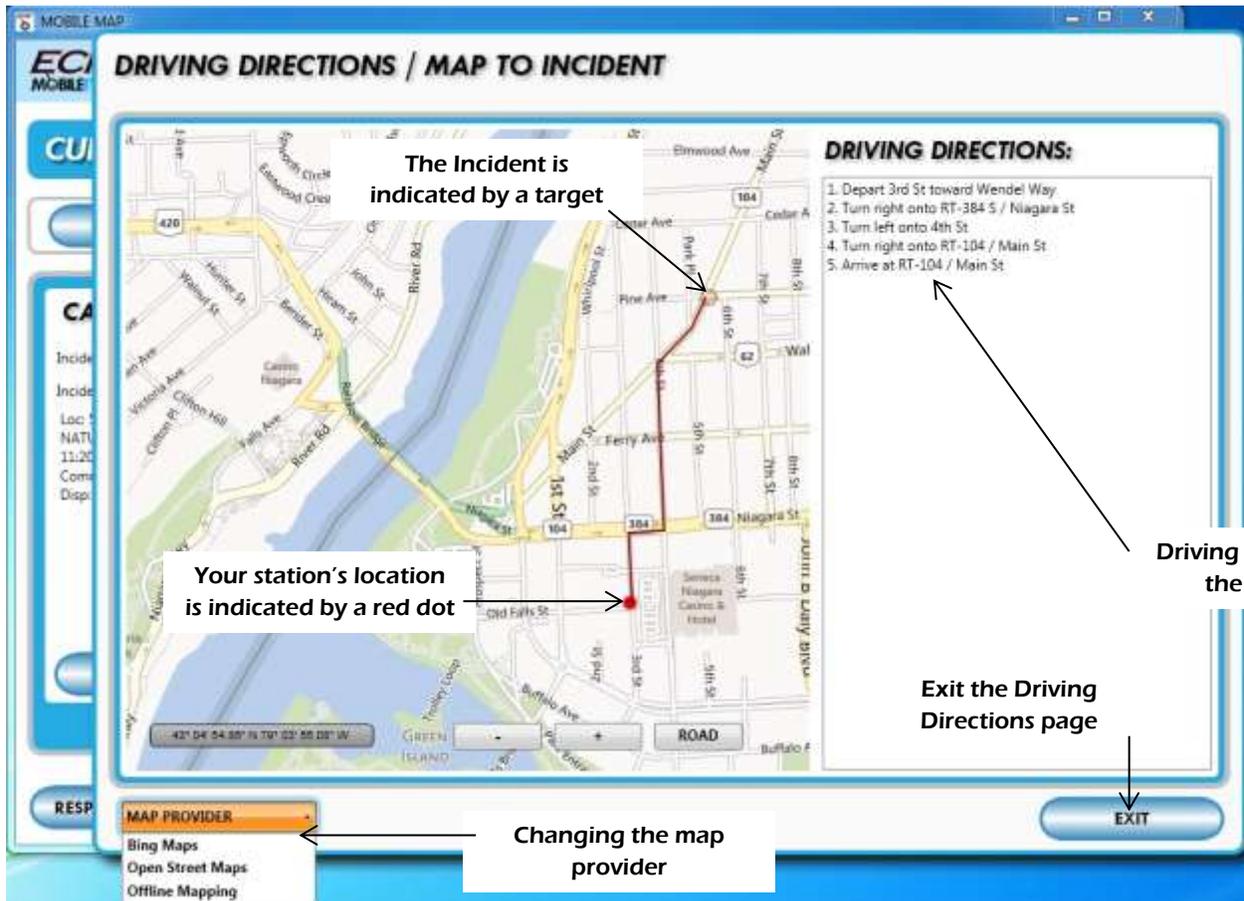
SAVE

Conflicted Personnel

This popup will show if you've selected a responder who has already been selected by another apparatus in your station.

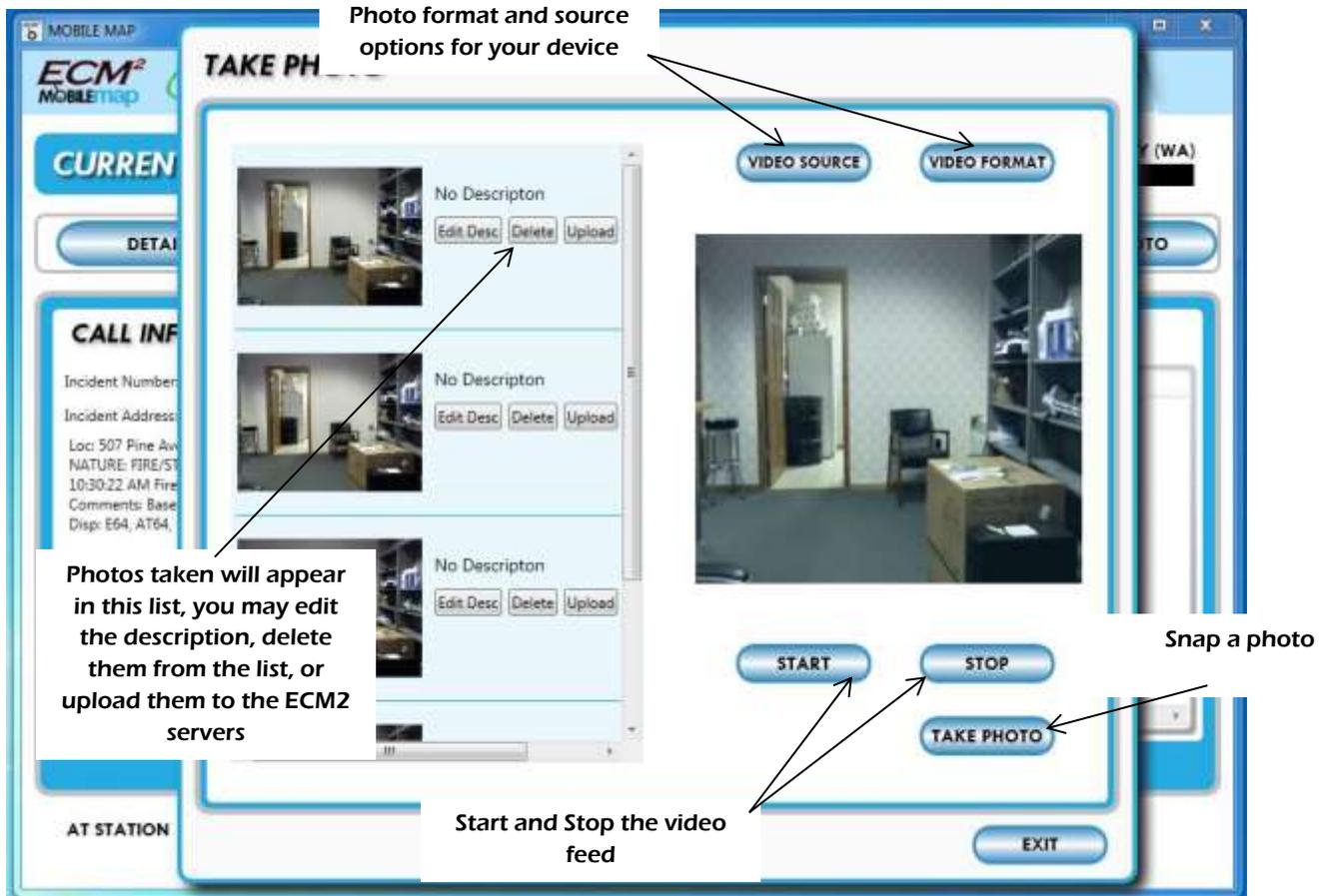
***If left unresolved and both users still have the same personnel selected, the apparatus who selected him first will ultimately get that person. (You can change this later with Station Manager™)*

Driving Directions



**Note map controls work similarly to Current Incident Mapping. Zoom controls, Road/Aerial views, and Map providers are all identical.

Take Photo



**Note that leaving this screen all your snapped photos in the list will be lost. This is only for temporary uploading. After uploading a photo it may be used in Station Manager™.

Incidents

View will bring you to that current incident's details screen and set it as the current incident. Delete will delete the incident from the list if possible.

ACTIVE	INCIDENT NUMBER	DATE	TIME	DETAILS	
<input checked="" type="checkbox"/>	EXPO4904589	1/9/2013 1:	10:30:23.8C	Loc: 507 Pine Ave, Niagara Falls, NY X-sts: Inc#:EXPO4904589 Nr	View Delete
<input type="checkbox"/>	EXPO4904588	1/9/2013 1:	10:29:49.57	Loc: 6197 Italy Rd, Export PA 15632 X-sts: Inc#:EXPO4904588 NA	View Delete
<input type="checkbox"/>	EXPO4904586	1/9/2013 1:	10:28:19.55	Loc: 6197 Italy Rd, Export PA 15632 X-sts: Inc#:EXPO4904586 NA	View Delete

Shows the active incident (the highlighted row), its number, the date and time of the incident and all the details of the incident

INC CHECK

**Note you may not delete incidents that you are currently in response to, or have finished responding to but haven't exported yet.

Apparatus

This screen is password protected by the Admin password.

The screenshot shows the 'ECM2 MOBILE APPARATUS' interface. At the top, there are tabs for 'APPARATUS', 'ADMIN', and 'CALENDAR/EMG NOTICES'. Below the tabs, a blue header reads 'APPARATUS'. A table lists various apparatuses with columns for NAME, STATUS, TYPE, IN SERVICE, and DESCRIPTION. Each row has 'Edit' and 'Delete' buttons. A 'SYNC' button is at the bottom right. Annotations include: 'Edit or Delete the apparatus in that row' pointing to the buttons; 'Add a new Apparatus' pointing to the 'Click here to add new item' link; and 'Name, Status, Type, Whether or not the Apparatus is in service, and Description of the specific Apparatus' pointing to the table headers. A 'SYNC' button is also annotated with 'Synchronize your apparatus with other Mobile Mappers and the ECM2 Server'.

NAME	STATUS	TYPE	IN SERVICE	DESCRIPTION		
Click here to add new item						
Engine 64	AT STATION	Pump Truck	Yes	Heavy Engine	Edit	Delete
Rescue 64	AT STATION	Pump Truck	Yes	Heavy Rescue Pumper	Edit	Delete
Attack 64	AT STATION	Pump Truck	Yes	4X4 pumper	Edit	Delete
Tanker 64	AT STATION	Pump Truck	Yes	Tanker pumper	Edit	Delete
Service 64	AT STATION	Ambulance	Yes	Service / traffic	Edit	Delete
Asst64	AT STATION	Pump Truck	Yes	POV	Edit	Delete

**Note that all information about an apparatus is edited within the Edit Apparatus screen and not directly in the list. Also, the sync button will flash when there are changes that you may synchronize with the ECM2 Servers. Please also note that resetting an apparatus that isn't yours can affect other responder's Mobile Map.

Edit Apparatus

ECM² MOBILE MAP

EDIT APPARATUS

APPARATUS INFO | APPARATUS SPECS | OTHER

Name	Engine 64	Make	Spartan
Description	Heavy Engine	Model	GL500
Display Code	ENG64	Year	2010
Original Cost	560,000	Vendor	precision
Purchase Date	6/12/2012 6:51:08 PM	Unit	Pumper
Cost Per Hour	0.0000	Type	Pump Truck <input type="button" value="EDIT"/>
Service Date	6/12/2012 6:51:08 PM	Status	AT STATION <input type="button" value="EDIT"/>
In Service	<input checked="" type="checkbox"/>	Current Hours	0.00
Has Pump	<input type="checkbox"/>	Current Miles	0.00
Hide	<input type="checkbox"/>	Pump Hours	0.00
User	<input type="text"/> <input type="button" value="RESET"/> Me?	Fire Dept ID	93
Serial Number	84249849238902	Notes	

Reset the user associated with this apparatus to nobody

Edit the Type and Statuses that your department's apparatus can select

Save and exit

****Important:** When resetting an apparatus, if that apparatus is not you, the user that is reset may not respond to any calls and lose Current Incident Map functionality.

****Note** that all fields should be logically entered. Dates should be in date format, numbers in number format, etc. Also note that no other users will see your changes until on the main Apparatus page the flashing Sync button is pressed. Also cancelling any menu will not save your changes.

Edit Apparatus (Cont.)

The screenshot shows the 'EDIT APPARATUS' window in the ECM2 MOBILE MAP software. The window is divided into several sections:

- APPARATUS INFO:** Includes tabs for 'APPARATUS INFO', 'APPARATUS SPECS', and 'OTHER'. The 'APPARATUS SPECS' tab is active.
- APPARATUS LIST:** A sidebar on the left shows a list of apparatuses: Engine 64, Rescue 64, Attack 64, Tanker 64, Service 64, and Aast64. The 'Engine 64' entry is selected.
- ENGINE:** A section with a blue header containing fields for Engine Make, Engine Model, Engine Serial, Cylinders (0), Horsepower (0), Max. Speed (0), Transmission Make, Transmission Model, Transmission Type, Battery Make, and Battery Model.
- CHASIS:** A section with a blue header containing fields for Chasis Make, Chasis Model, Chasis Serial, and Width (0).
- FLUIDS:** A section with a blue header containing fields for Eng Oil Type, Eng Oil Cap (gals), Trans. Fluid Type, Trans. Fluid Cap (gals) (0), Fuel Type, and Fuel Capacity (0).
- WATER TANK:** A section with a blue header containing fields for Watertank Size (gals) (0), Pump make, Pump Size (0), and Supplyhose Size (in) (0).
- Other Fields:** Located at the top right, including Gross Axel Weight (0), Rotting Front, Front Tire Size, Front Tire Pressure (0), Rear Tire Size, and Rear Tire Pressure (0).
- Buttons:** 'SAVE' and 'EXIT' buttons are located at the bottom right of the window.

**Specifications of the Apparatus are specified here

EDIT APPARATUS

APPARATUS INFO APPARATUS SPECS OTHER

Name Engine 64 Make Spartan

Description

Display Code

Original Cost

Service Date

Cost Per Hour

Service Date

In Service

Has Pump

Hide

ADD APPARATUS STATUS

STATUS	DESCRIPTION	
Click here to add new item		
TO SCENE	En route to scene	Delete
TO STATION	En route to station	Delete
AT SCENE	At the scene	Delete
AT STATION	at the station	Delete

CANCEL SAVE AND EXIT

SAVE EXIT

Add a new Status

Status and description. This may be edited by clicking in the cell

Delete the row and Status associated

Save and exit your changed will be persisted

EDIT APPARATUS

APPARATUS INFO | APPARATUS SPECS | OTHER

Name: Engine 64 Make: Spartan

APPARATUS TYPES

TYPE	DESCRIPTION	
Click here to add new item.		
Pump Truck	Pumps water	Delete
Ladder Truck	Carries ladders	Delete
Ambulance	Medical assistance	Delete

CANCEL SAVE AND EXIT

SAVE EXIT

Add a new Type

Type and description. This may be edited by clicking in the cell

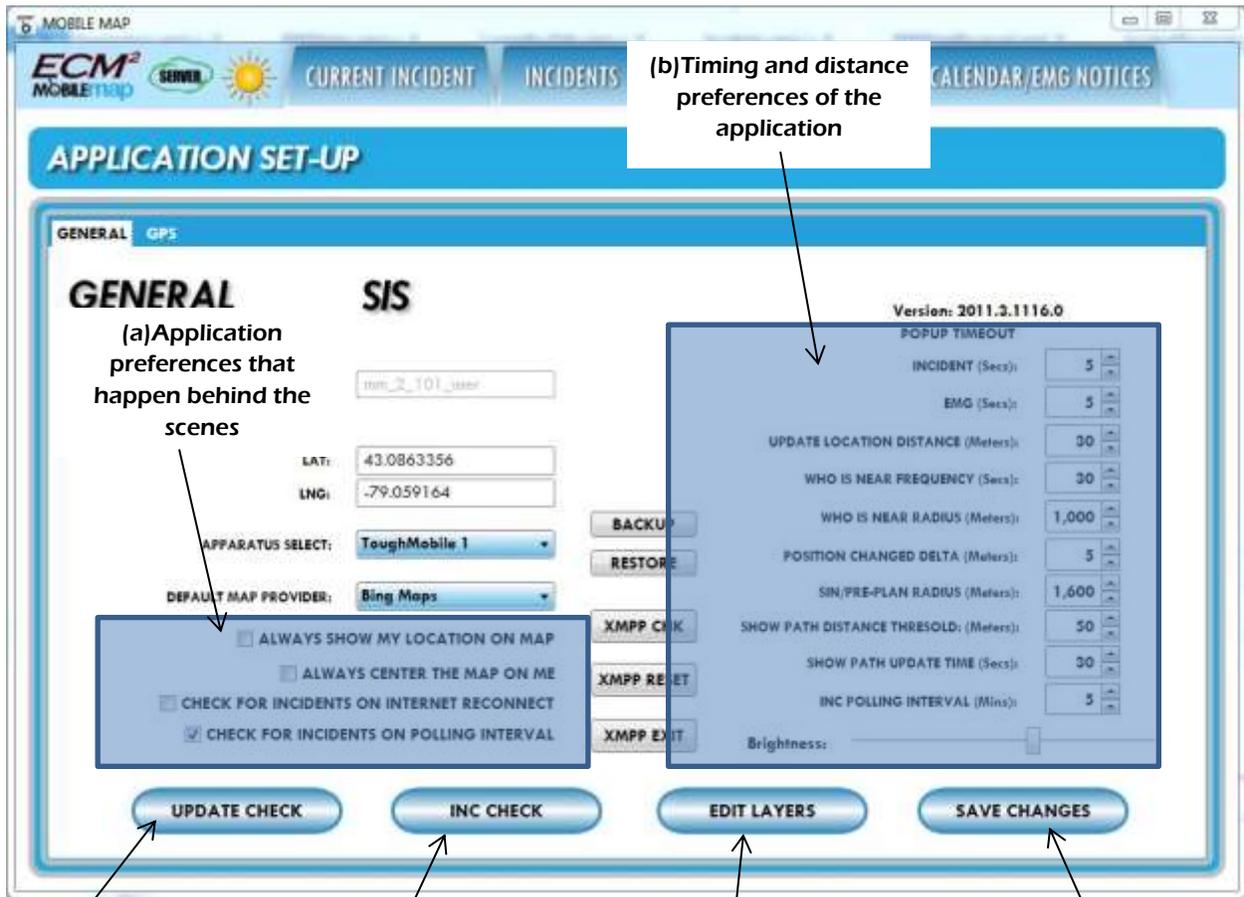
Delete the row and Type associated

Save and exit your changed will be persisted

Application Setup

The screenshot shows the 'APPLICATION SET-UP' web interface. At the top, there are navigation tabs for 'APPARATUS', 'ADMIN', and 'CALENDAR/EMG NOTICES'. The main content area is titled 'APPLICATION SET-UP' and has two tabs: 'GENERAL' (selected) and 'GPS'. The 'GENERAL' tab is divided into two sections: 'GENERAL' and 'SIS'. The 'GENERAL' section includes fields for 'REGISTERED INSTALL ID' (mm_2_101_user), 'DEFAULT CURRENT LAT/LNG' (LAT: 43.0863356, LNG: -79.059164), 'APPARATUS SELECT' (ToughMobile 1), and 'DEFAULT MAP PROVIDER' (Bing Maps). There are also checkboxes for 'ALWAYS SHOW MY LOCATION ON MAP', 'ALWAYS CENTER THE MAP ON ME', 'CHECK FOR INCIDENTS ON INTERNET RECONNECT', and 'CHECK FOR INCIDENTS ON POLLING INTERVAL'. The 'SIS' section includes a 'Version: 2011.3.1116.0' label and a 'POPUP TIMEOUT' section with various time and distance settings (Incident: 5s, EMG: 5s, Update Location Distance: 30m, Who is Near Frequency: 30s, Who is Near Radius: 1,000m, Position Changed Delta: 5m, Sin/Pre-plan Radius: 1,600m, Show Path Distance Threshold: 50m, Show Path Update Time: 30s, Inc Polling Interval: 5m). A 'Brightness' slider is also present. At the bottom, there are buttons for 'UPDATE CHECK', 'INC CHECK', 'EDIT LAYERS', and 'SAVE CHANGES'. A central column of buttons includes 'BACKUP', 'RESTORE', 'XMPP CHK', 'XMPP RESET', and 'XMPP EXIT'. Annotations with arrows point to various elements: 'General options and GPS options tabs' points to the 'GENERAL' and 'GPS' tabs; 'Your unique application ID' points to the 'REGISTERED INSTALL ID' field; 'The version you're running' points to the 'Version: 2011.3.1116.0' label; 'Choose your apparatus or displays the apparatus you already are associated with' points to the 'APPARATUS SELECT' dropdown; and 'Default map provider for all application maps' points to the 'DEFAULT MAP PROVIDER' dropdown.

Application Setup (Cont.)



Check if there are any upgrades for Mobile Map

Pull down incidents from the server you haven't already gotten

Open the Edit Layers screen

Save any changes you've made to the Application Preferences (you must press this if you want to choose your apparatus)

(a)

Check each box if you want the preference to happen throughout the app.

- Always show my location on map – On current incident map will always show your location and not allow you to toggle “My Location” on and off.
- Always center the map on me – On current incident map will always center on your location and the map will follow you. Again unable to toggle “Keep Centered”
- Check for incidents on internet reconnect – Will automatically run an incident check if you lose internet connection upon internet reconnection.
- Check for incidents on polling interval – Check for incidents on a 5 minute interval.

(b)

Up down boxes for timing and distance application preferences

- Popup incident timeout – The time in seconds that the incident popup will show before disappearing and sending you to the Current Incident Details page.
- Emergency Notice Timeout – The time in seconds that the emergency notice popup will show before disappearing and sending you to the Emergency Notice Page.
- Update Location Distance – The distance in meters that your location will be sent to our servers and shown to other Apparatus.
- Who is near frequency – The time in seconds apparatuses from your station or other's location will be refreshed on your Current Incident map.
- Position Changed Delta – The distance you must travel before your position is changed on the Current Incident Map.
- SIN/Pre-Plan Radius – The radius around the incident that the Current Incident Site Incident Note/Pre-Plan screen will display SIN's and Pre-Plans
- Show Path Distance Threshold – On the Current Incident Map there is a layer that will allow you to track your movement to and from an incident. This is the distance in meters at which your path will be drawn on that movement.
- Show Path Update – The time in seconds that your path will update regardless of distance traveled.

XMPP, Backup, and Restore (Application Setup)



Backup – This button will allow you to backup all incidents currently stored in your system. Upon clicking you will be prompted to choose a directory to save your incidents to. You should save all backups to the same place. We recommend the “C:/mmap2012/ ” directory for convenience.

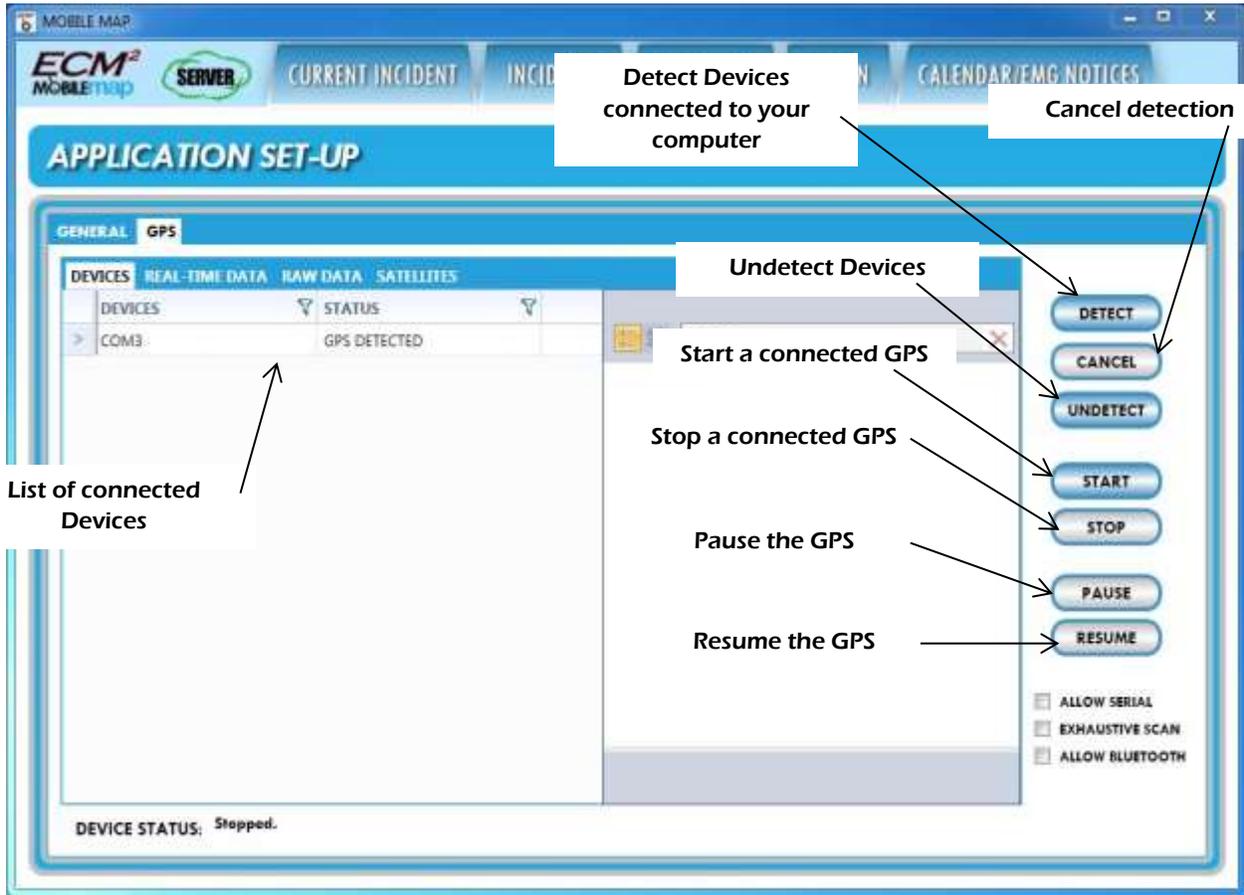
Restore – This button will allow you to restore your incidents from a previously backed up file. You will be prompted to choose a folder location. You may only back up from a folder that contains the incidents.xml file. Folders you want to choose will follow the format: “backup_mobilemap_db_YEAR_MONTH_DATE_HOUR_MINUTE_SECOND”, e.g. backup_mobilemap_db_2013_04_17_10_03_17. After selecting a correct folder you will be able to see the incidents you restored under the Incidents tab.

XMPP CHK – Check the current status of the XMPP connection.

XMPP RESET – Reset the XMPP connection.

XMPP EXIT – Close the XMPP connection.

GPS (Application Setup)



GPS (Cont.)



All fields are self-explanatory but note that GPS buttons are still accessible.

GPS (Cont.)

MOBILE MAP

ECM² MOBILE MAP SERVER

CURRENT INCIDENT INCIDENTS APPARATUS ADMIN CALENDAR/EMG NOTICES

APPLICATION SET-UP

GENERAL GPS

DEVICES REAL-TIME DATA RAW DATA SATELLITES

Drag a column header and drop it here to group by that column

NAME	AZIMUTH	ELEVATION	SIGNAL STRENGTH
Navstar 36	North	Near the horizon	0 DB (None)

DETECT
CANCEL
UNDETECT
START
STOP
PAUSE
RESUME

ALLOW SERIAL
 EXHAUSTIVE SCAN
 ALLOW BLUETOOTH

REFRESH

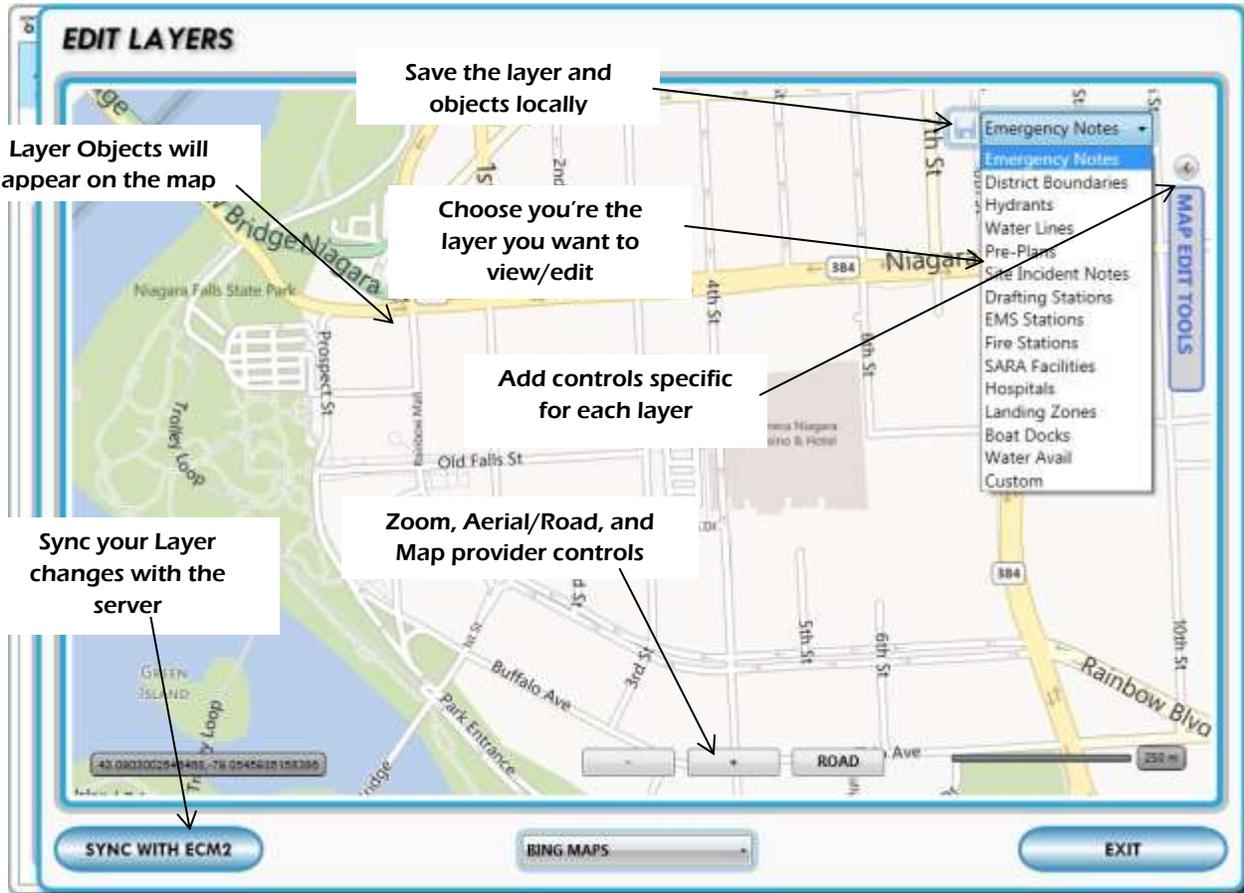
DEVICE STATUS: Connected! Waiting for data...

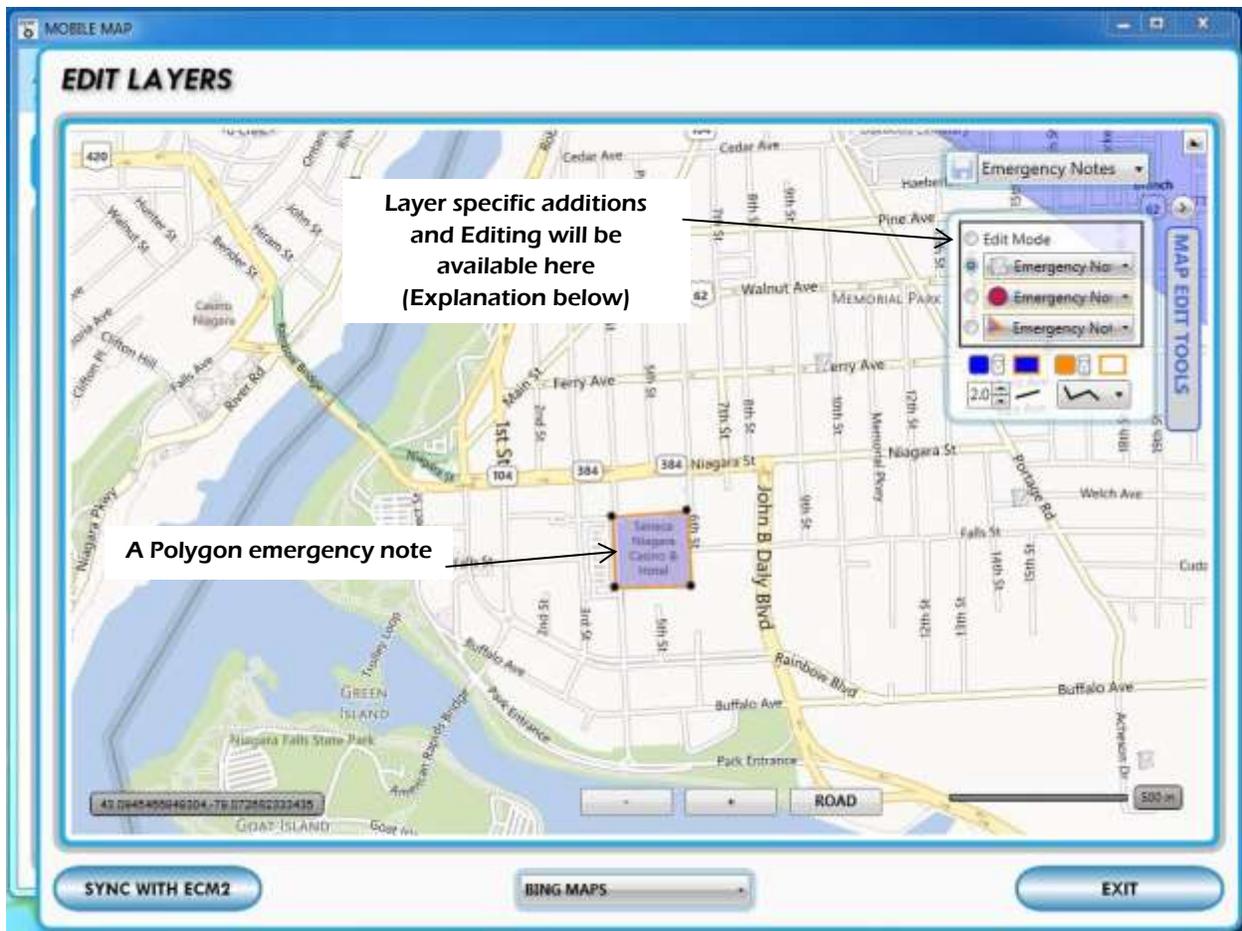
List of Satellites your GPS is communicating with

Refresh the list of satellites

**Note three satellites signals are required for a valid GPS signal.

Edit Layers





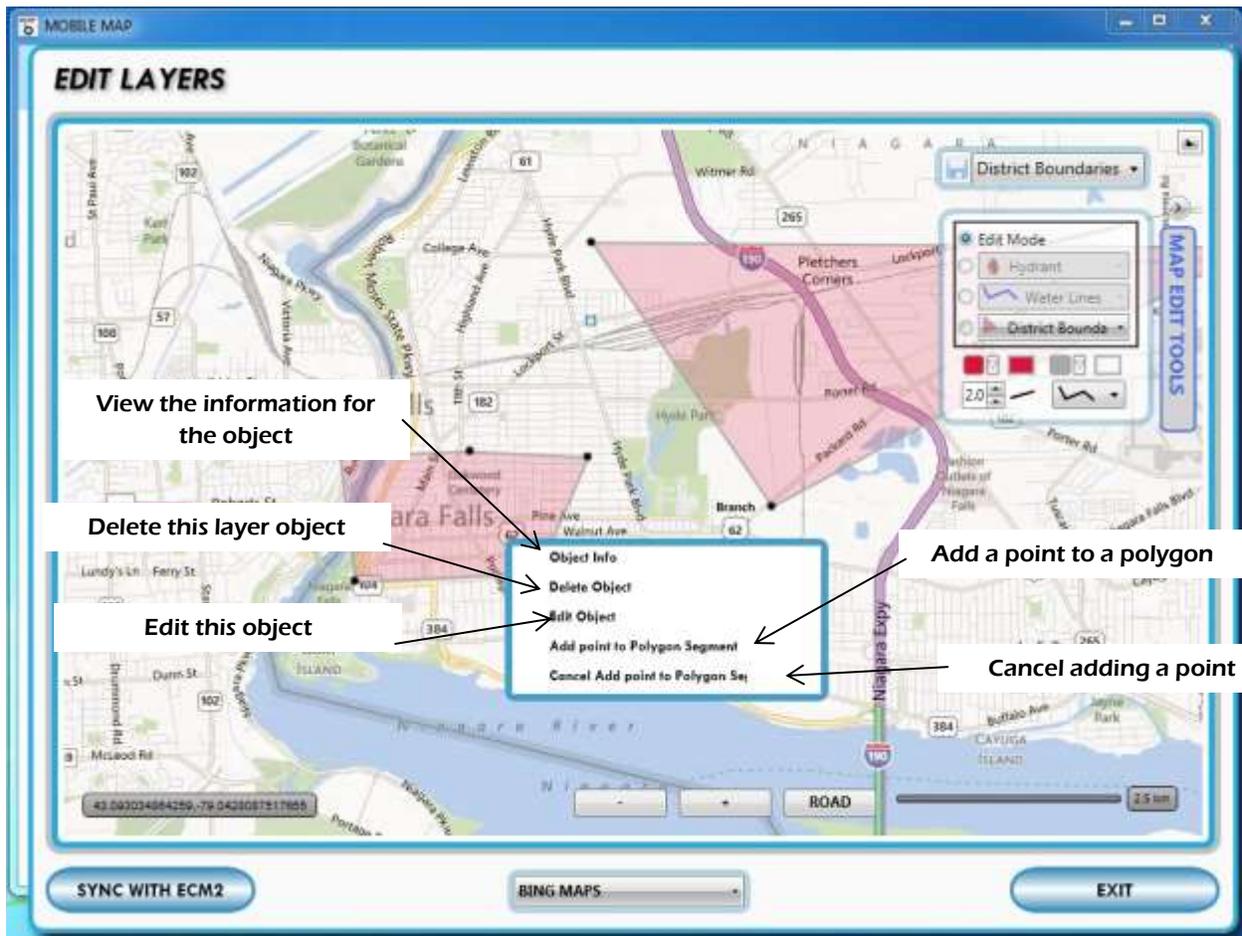
** For every layer there are different map edit tools. For example in the Emergency Notes Layer you may place a point, a radius, or a polygon. Simply click on the radio button next to the object you'd like to place and click on the map.

A point is placed simply by clicking on the map after selecting the Emergency Notice radio button.

A radius is also placed simply by clicking on the map. You may change the radius in the editing menu.

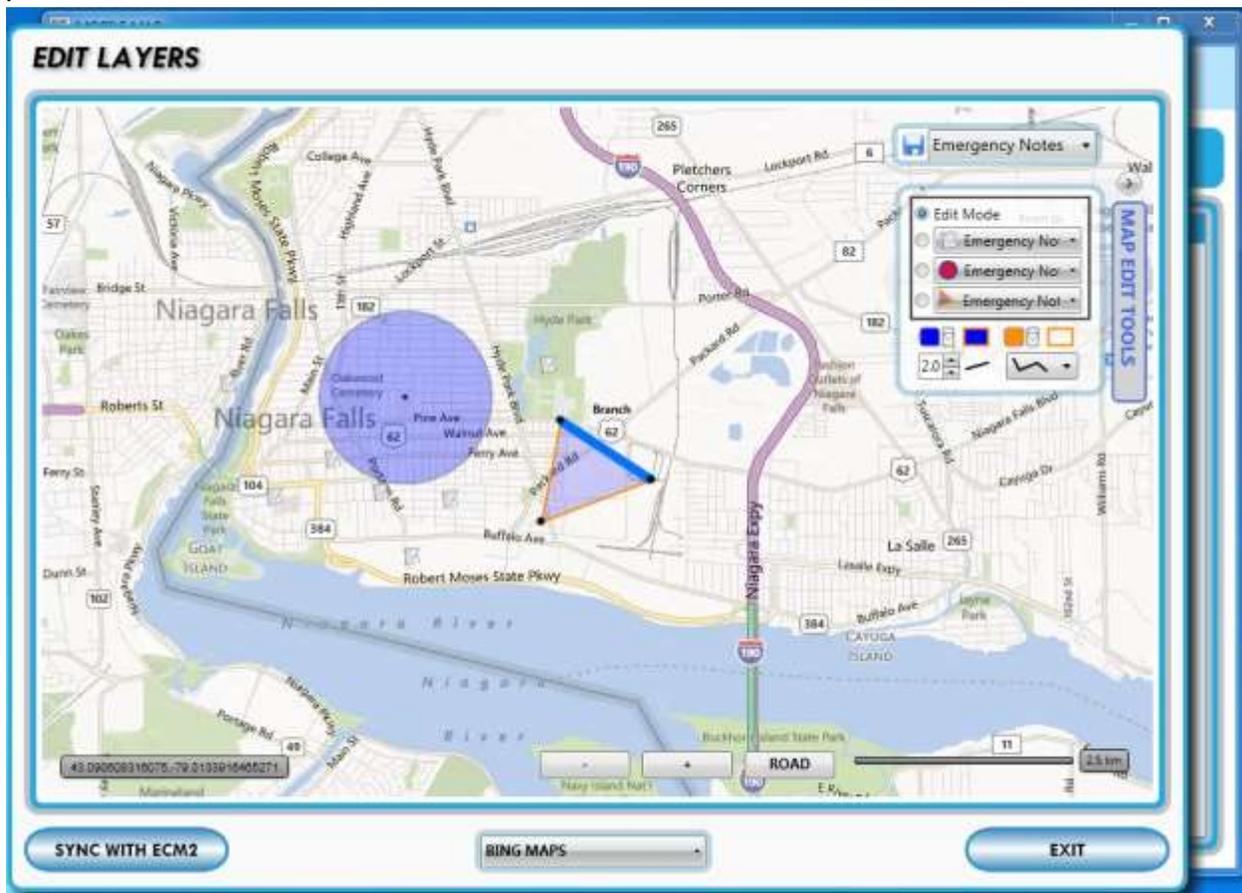
A polygon is placed by clicking on the map to place one point and so on, when you want to finish a polygon you double click for the last point.

** Upon right clicking on an object you will be presented with a menu of options

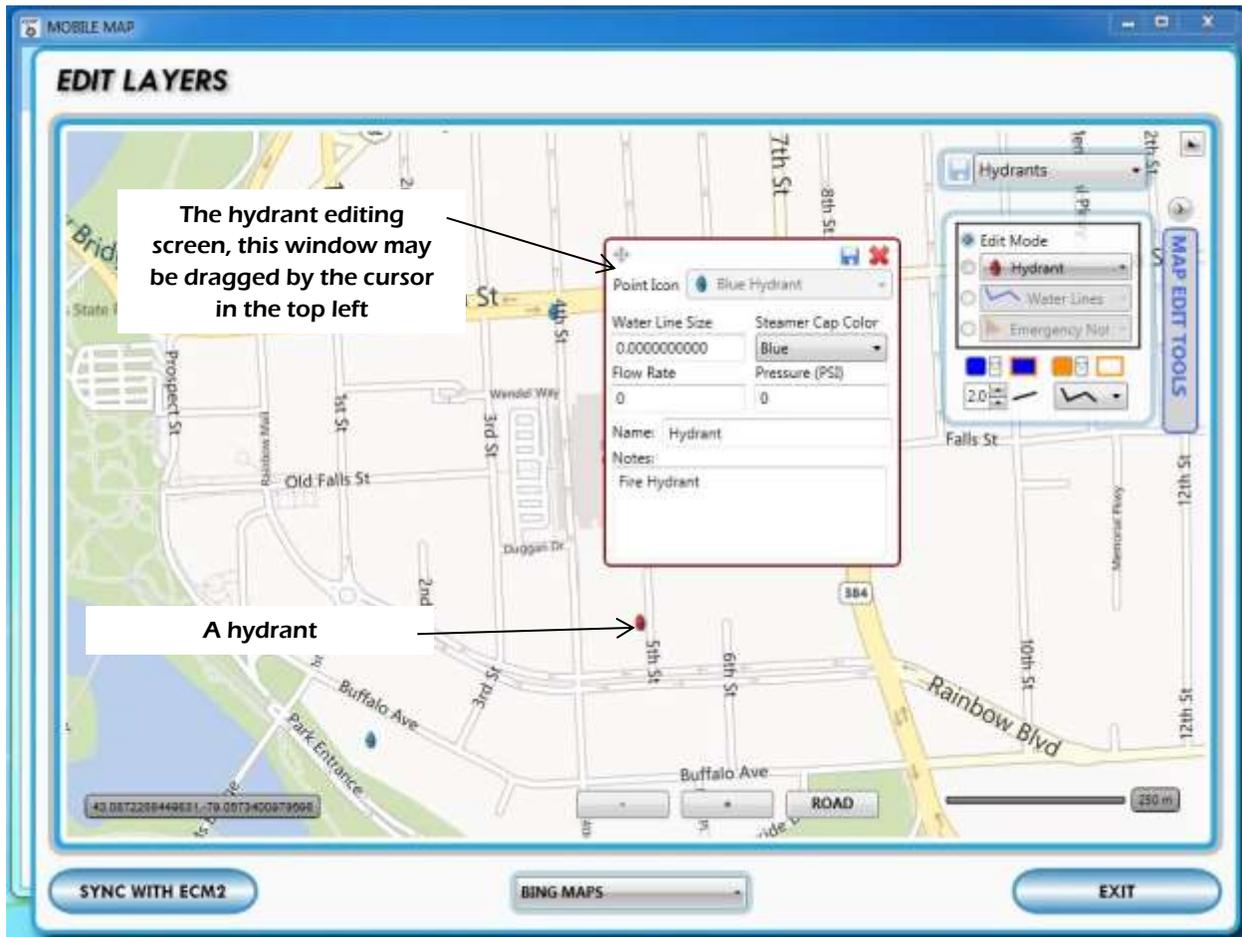


**Note that the point addition won't appear for points. If at any point you don't want to save your changes just exit out of the Edit Layers screen and choose not to save changes.

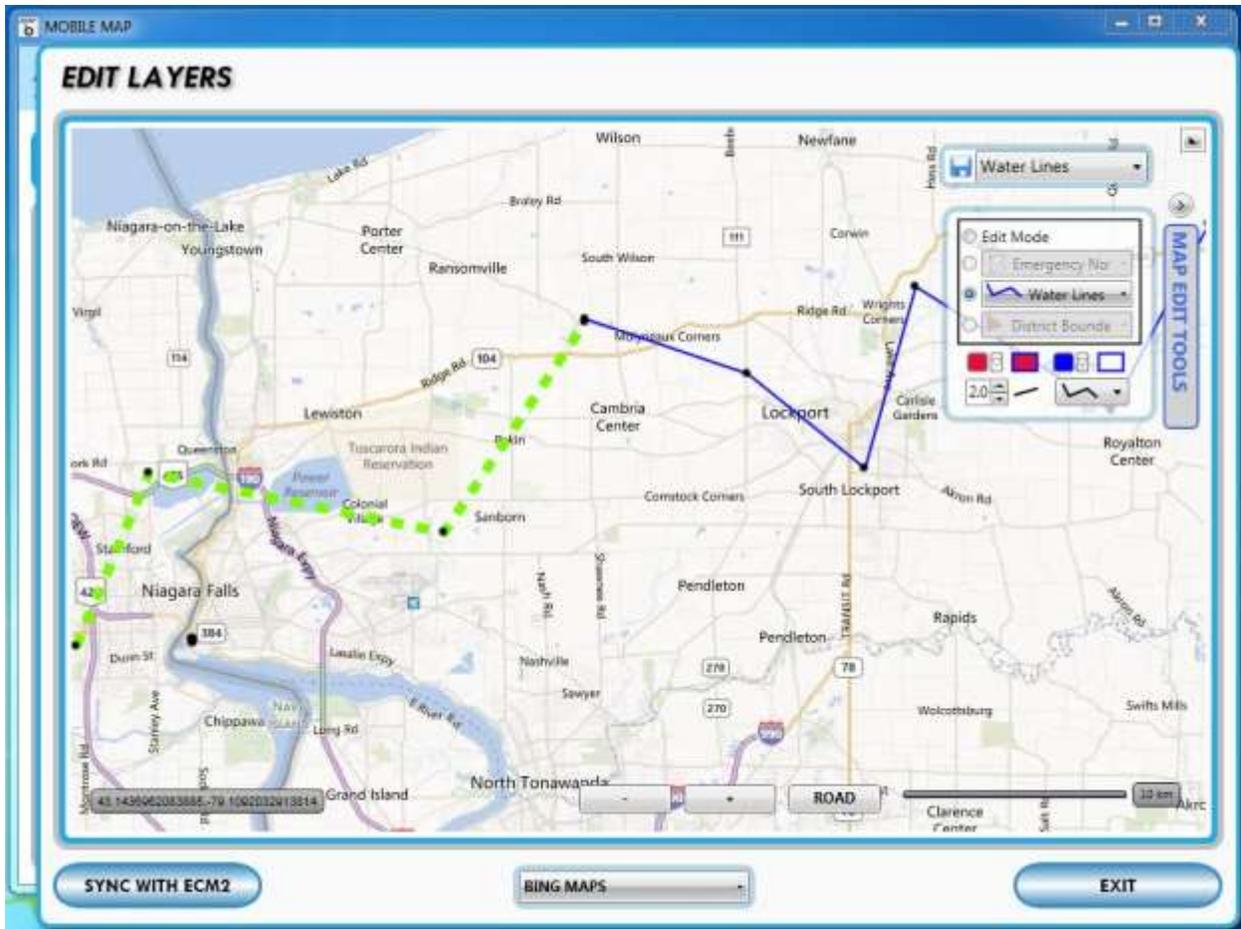
**Upon clicking "Add Point to Polygon Segment" you will be presented with a highlight for each leg. Upon left clicking, the selected leg will have a point added at its center point.



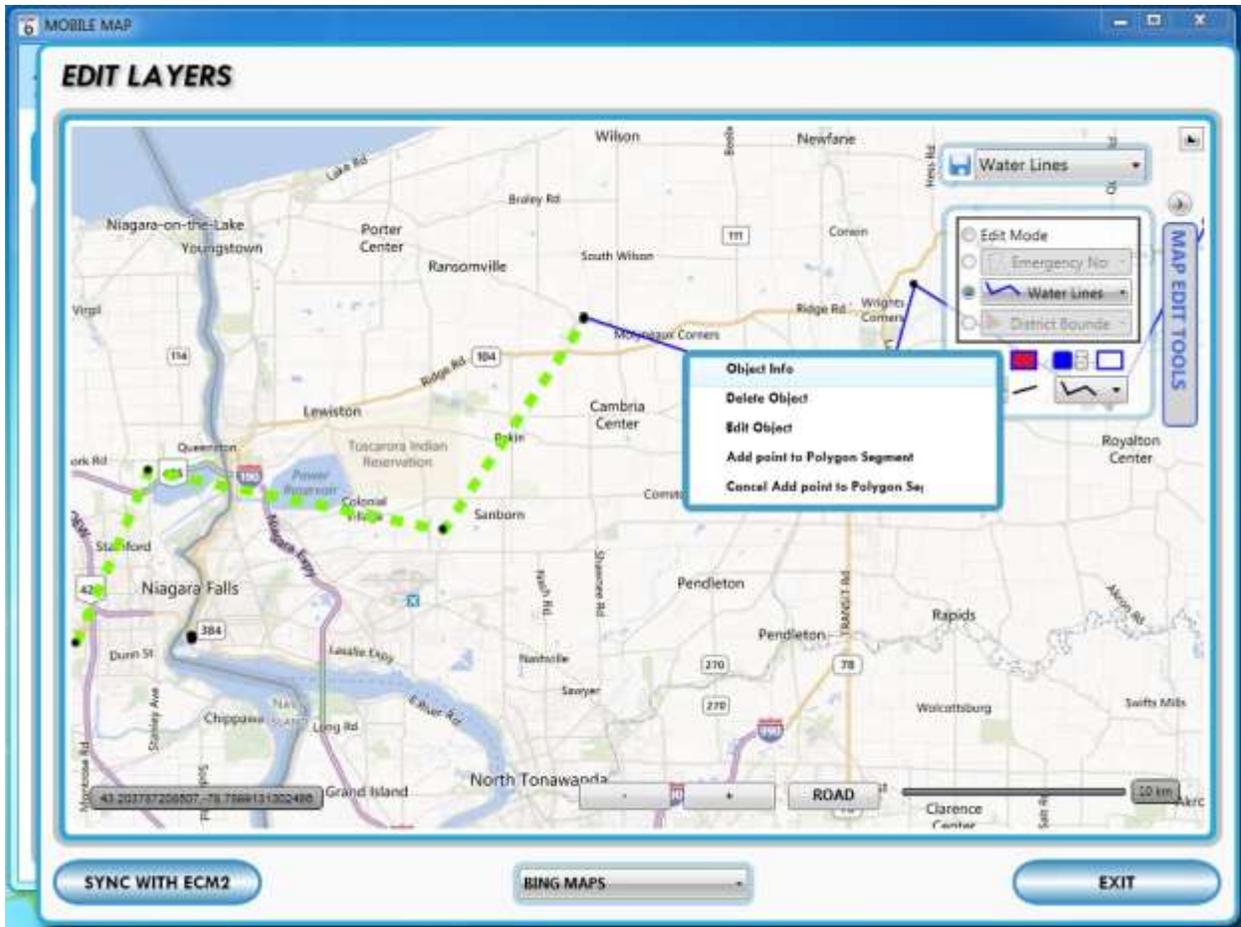
Edit Layers (Hydrants)



**Hydrants are a special layer. Each hydrant has a different steamer cap color and show up on the map in that color. Each color represents the type of hydrants and its specifications. Hydrants are a map point.



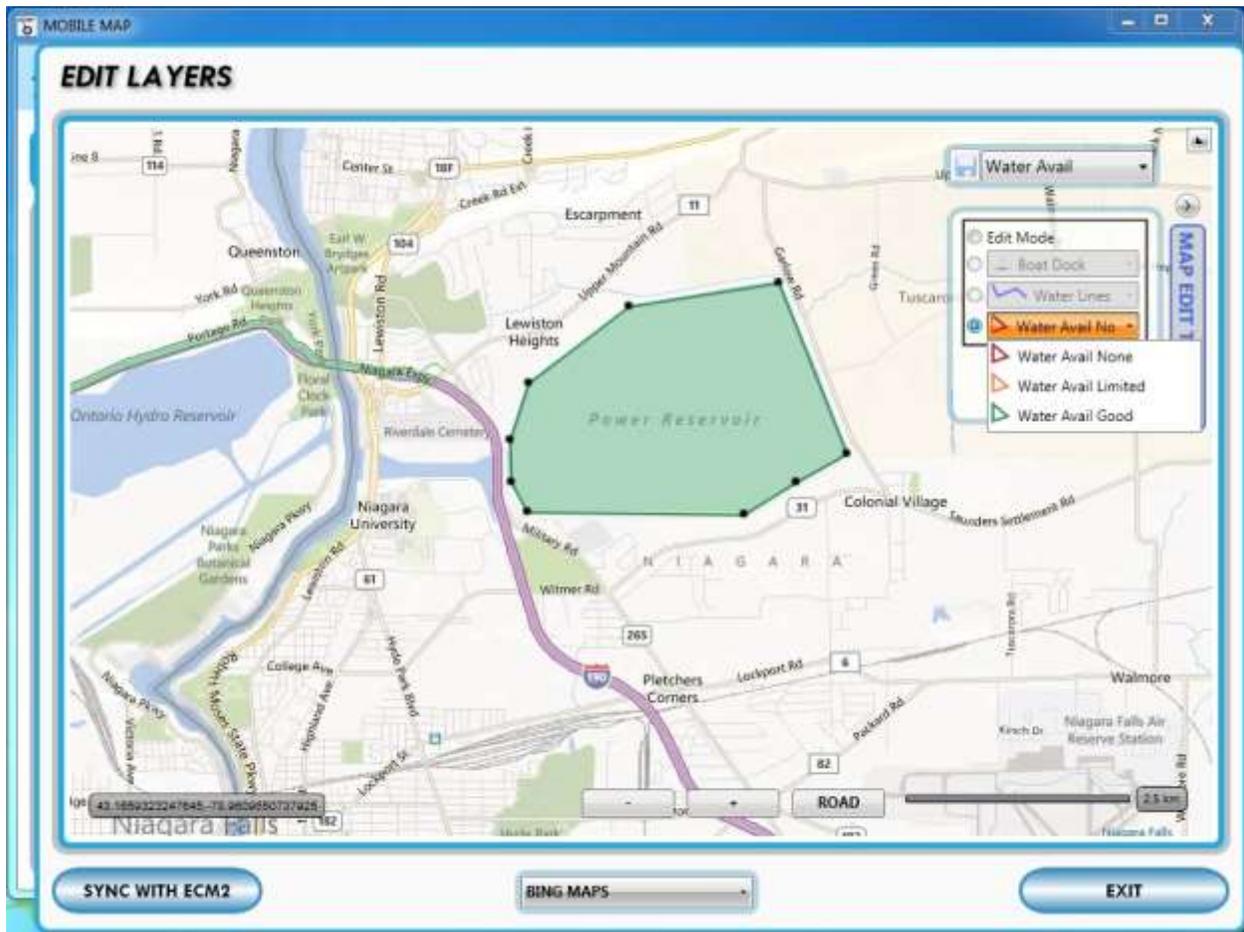
**The Waterlines layer shows water lines in your county and has the same point addition feature as polygons as shown below.



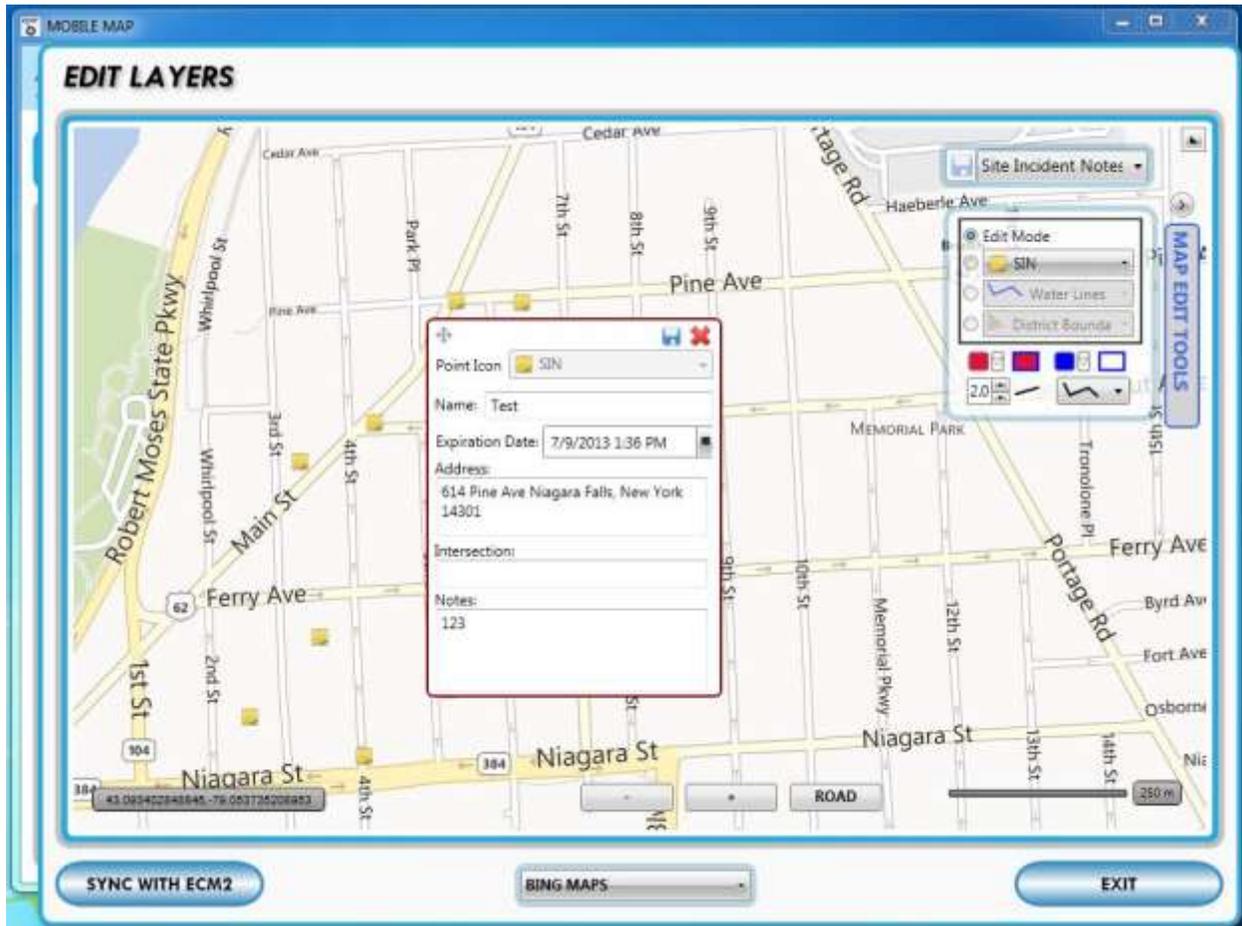
Edit Layers (Cont.)

All of the following layers, editing screens, and edit map menus are shown below.

Water Availability

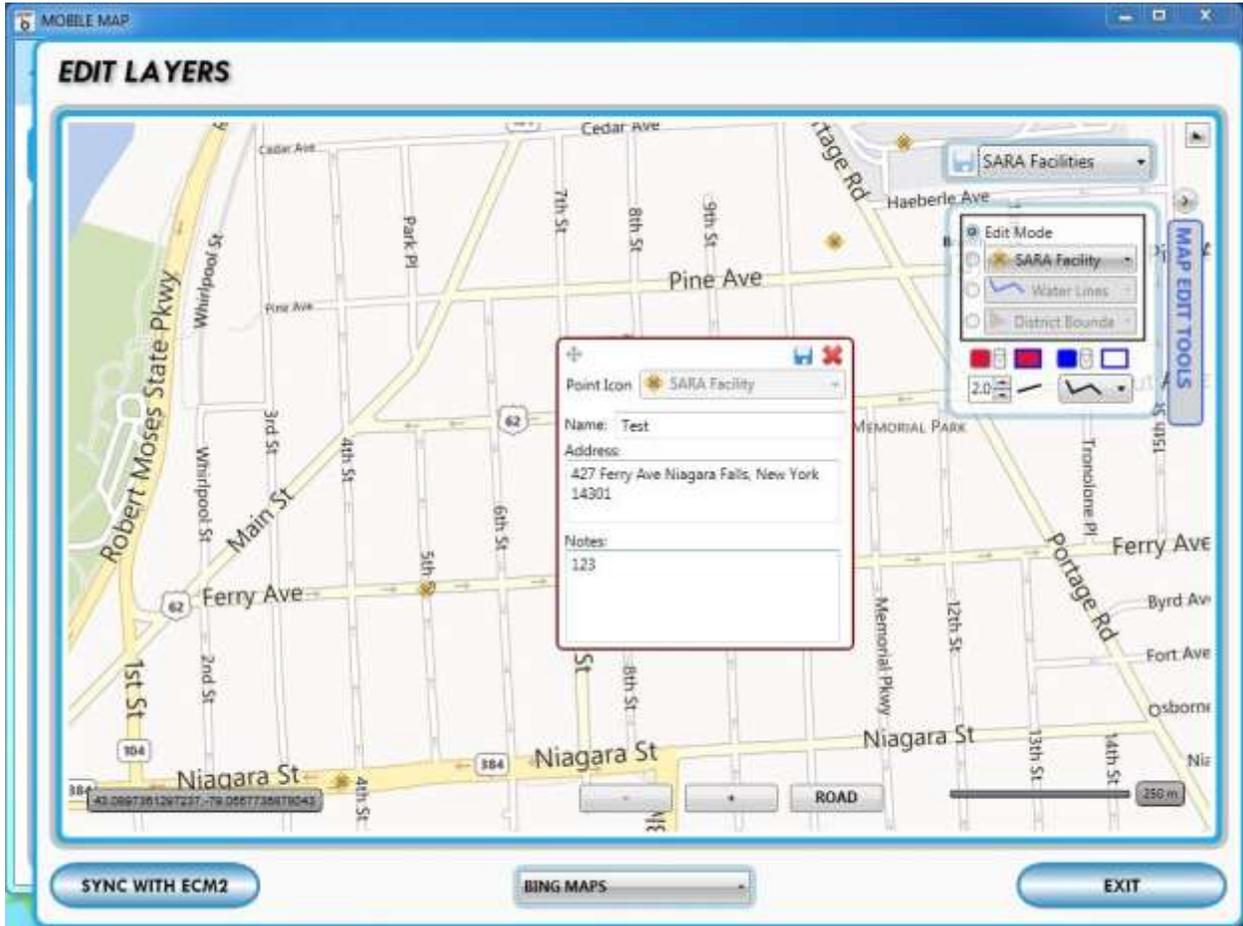


Site Incident Notes

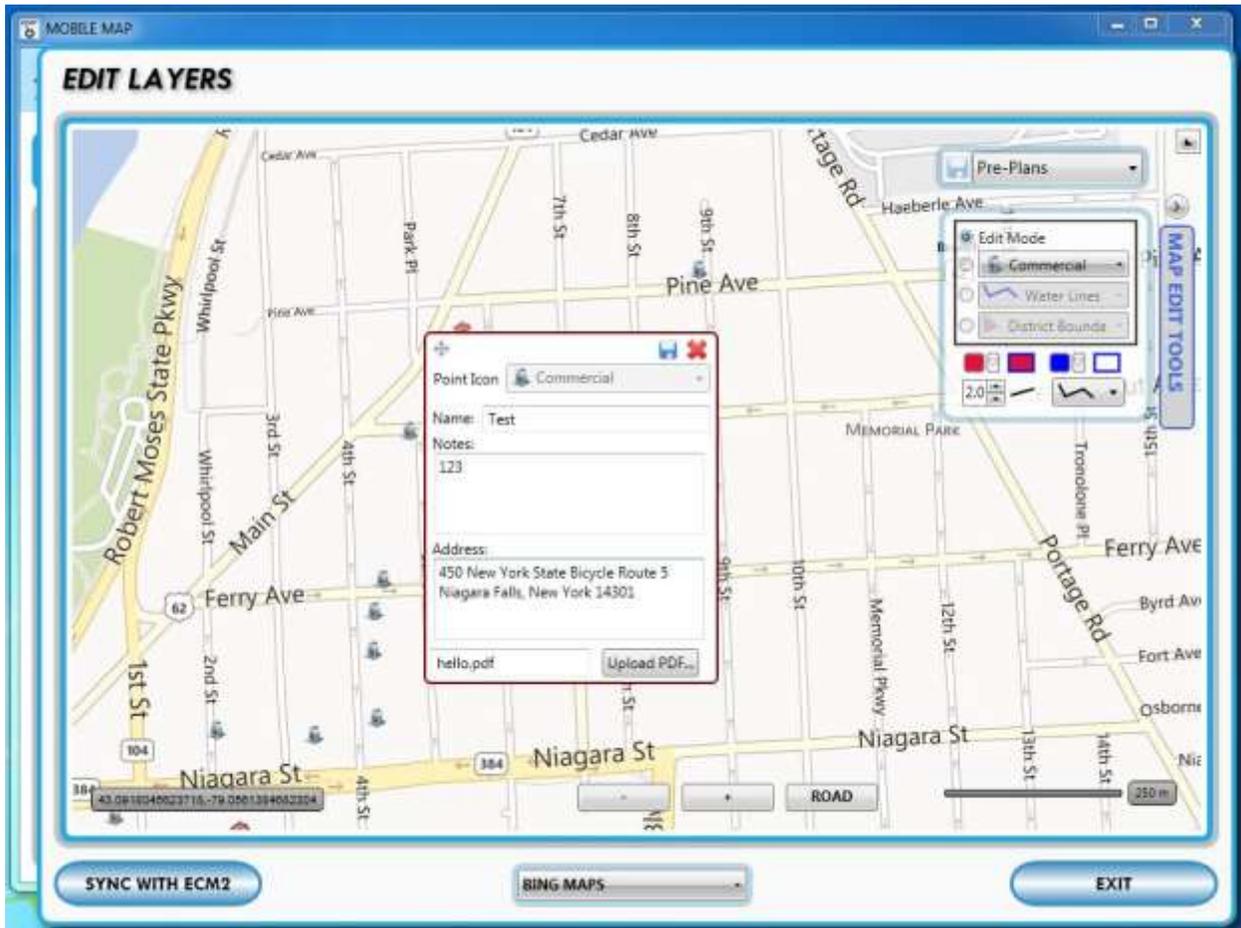


**Note the intersection is specific to Site Incident Notes. And after the expiration date it won't show up on the Current Incident SIN/Pre-Plan page anymore.

SARA Facilities

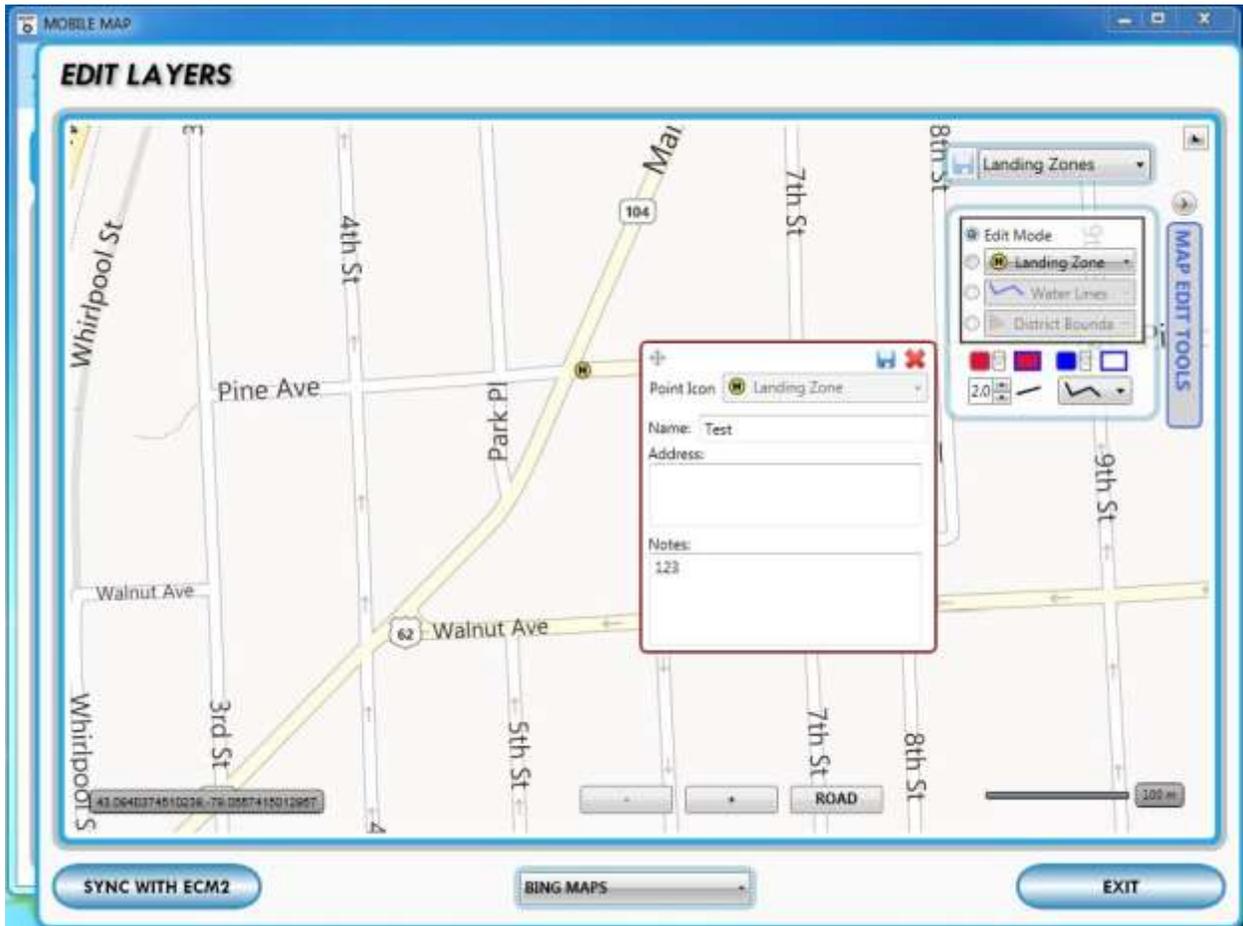


Pre-Plans



** Note that you may upload Adobe pdf files to Pre-Plans which may be viewed on the Current Incident SIN/Pre-Plans and Current Incident Map.

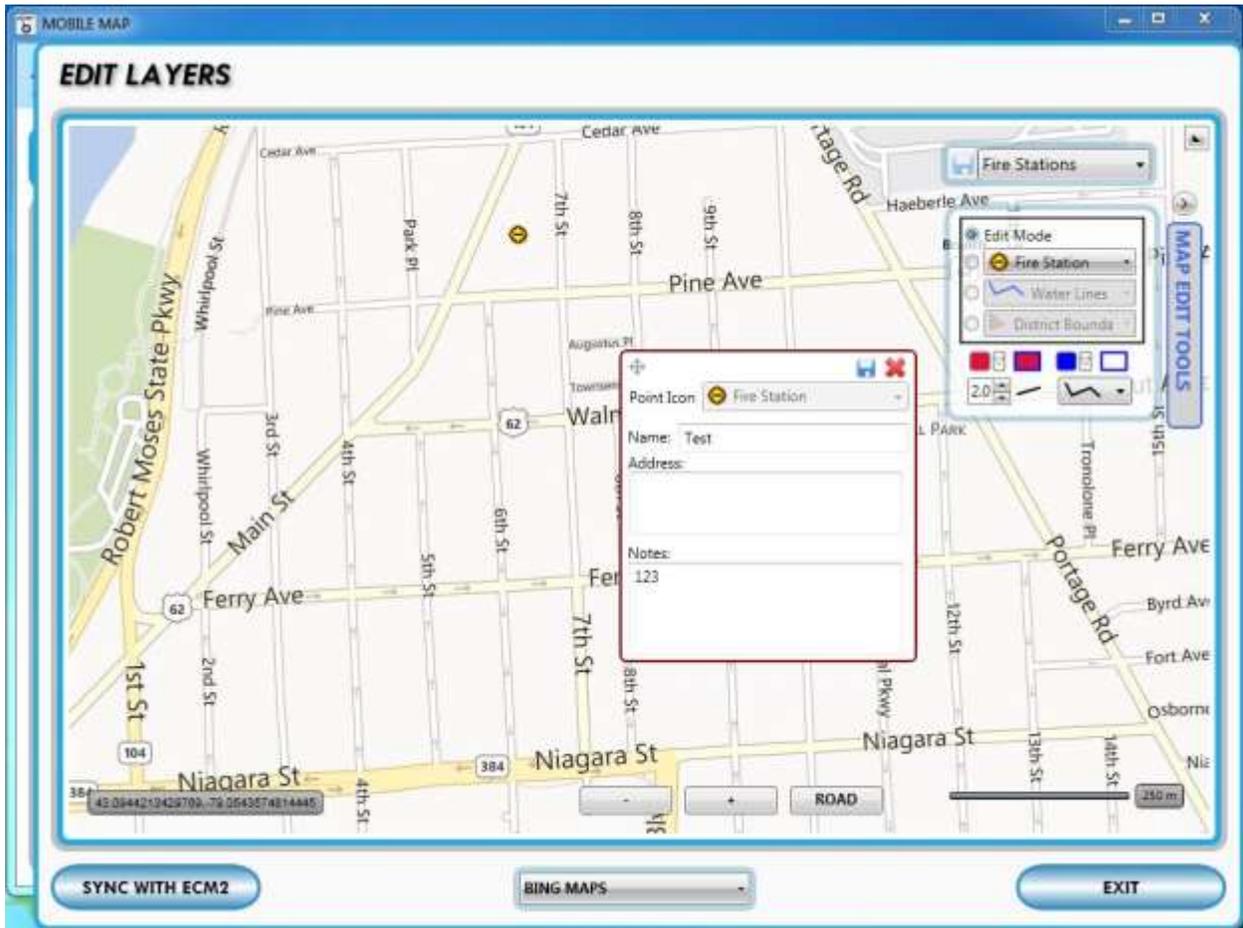
Landing Zones



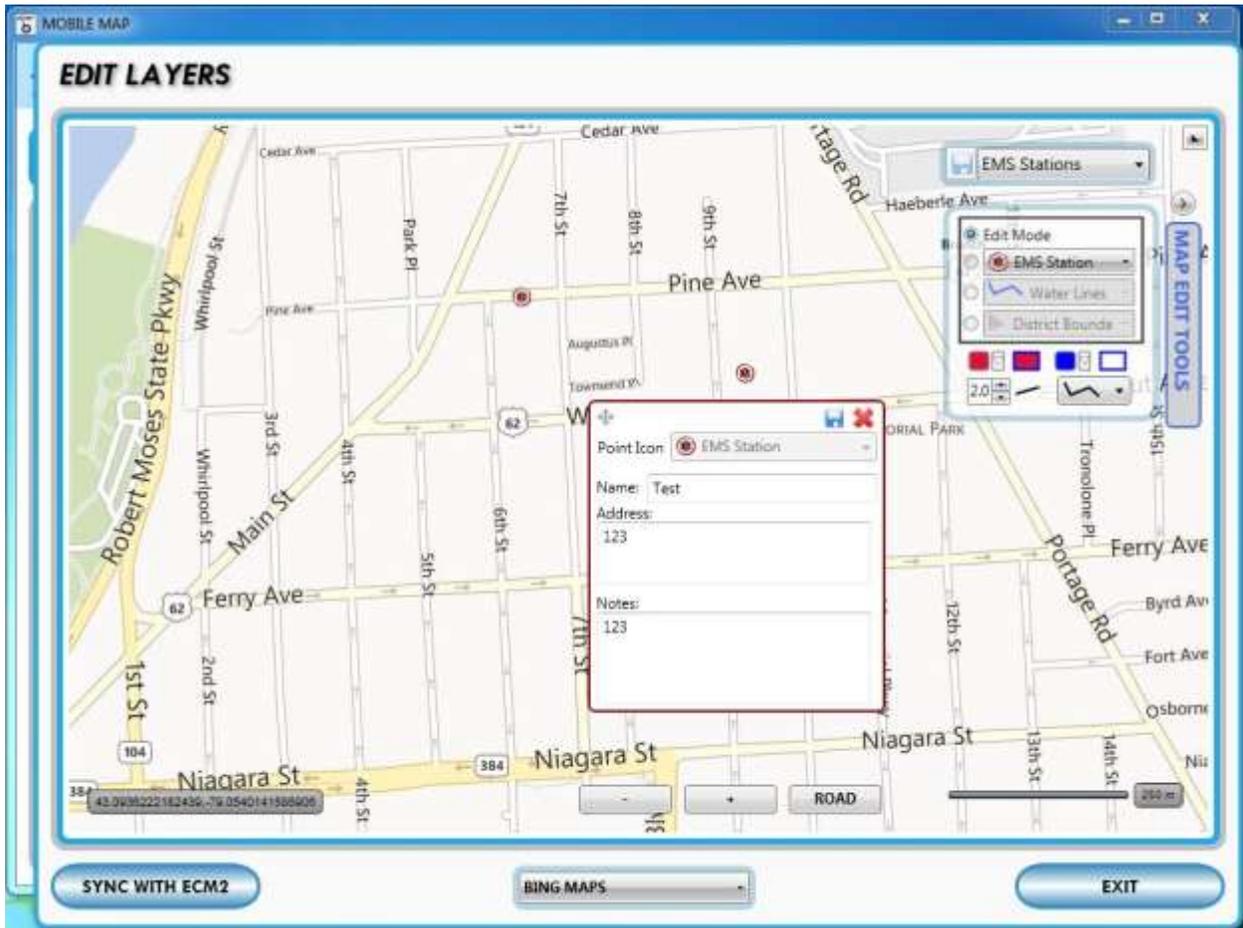
Hospitals



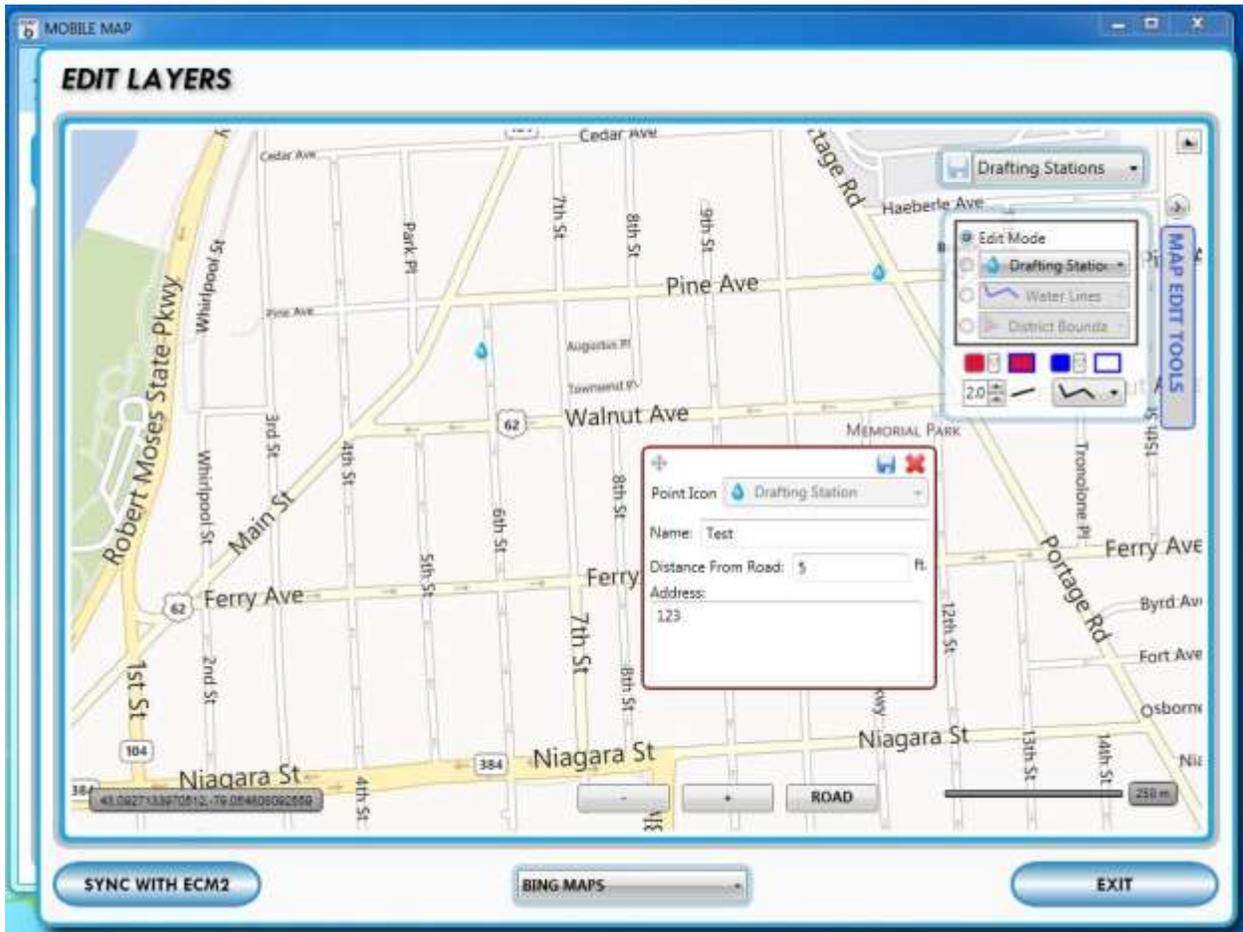
Fire Stations



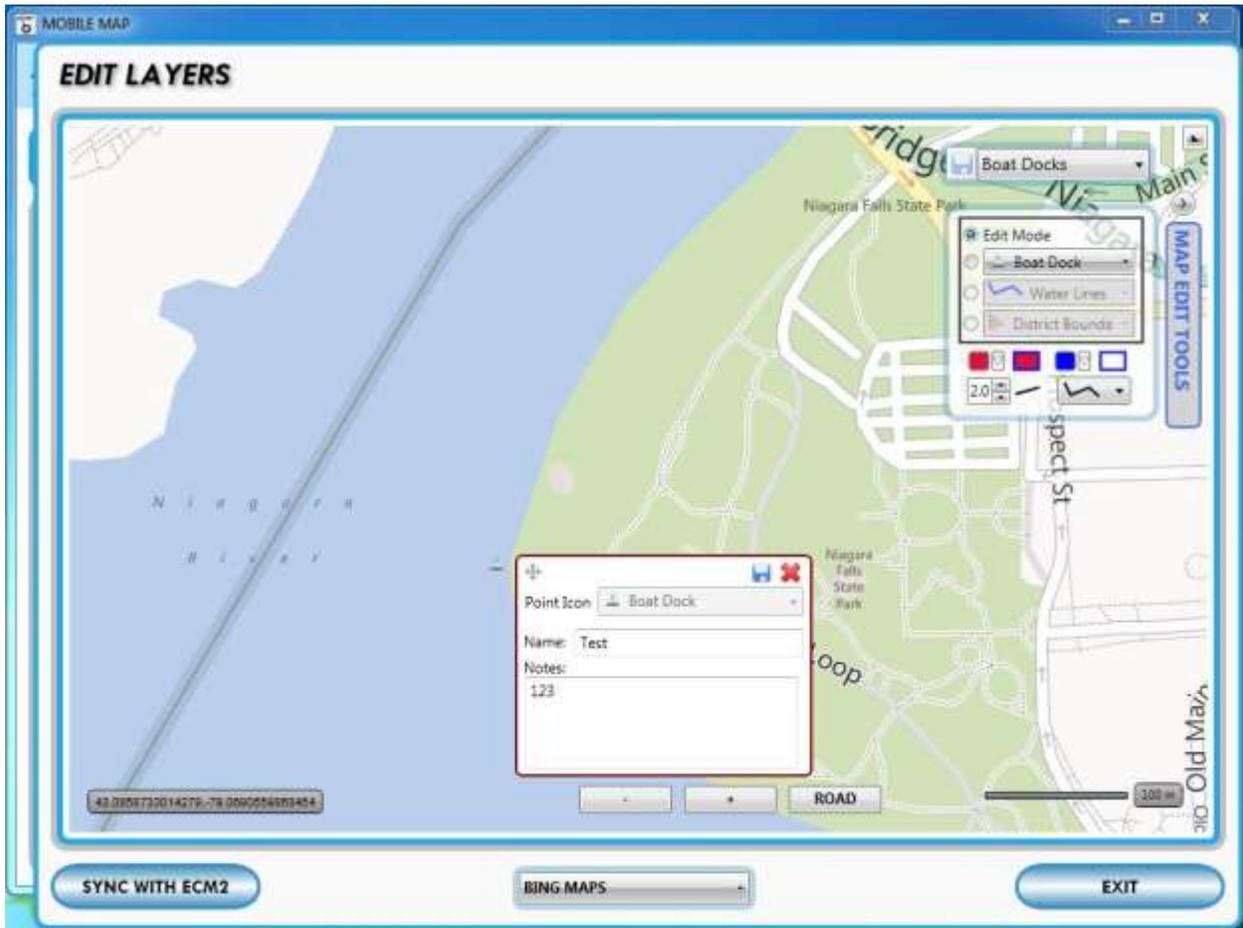
EMS Stations



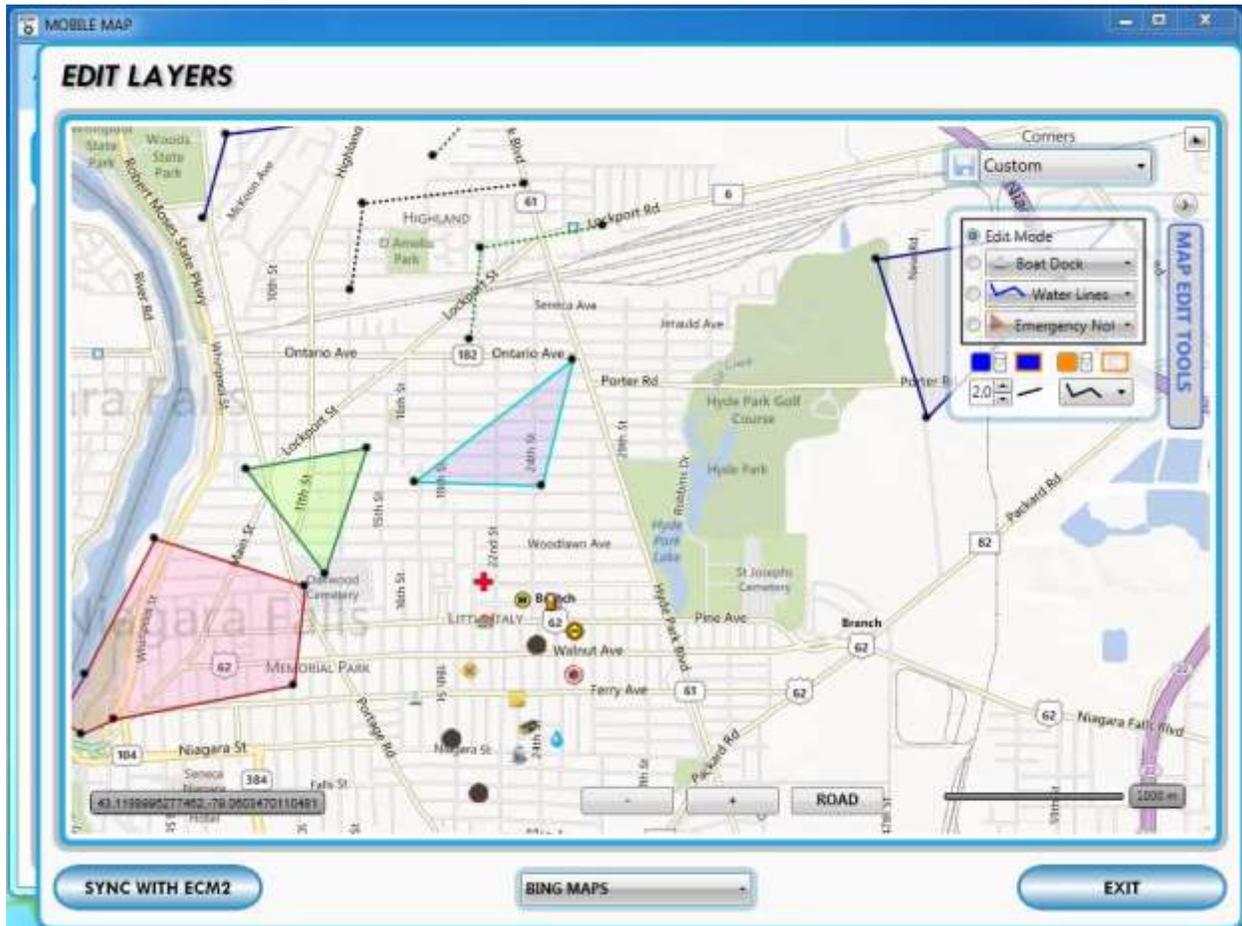
Drafting Stations



Boat Docks



**A custom layer is a combination of all 14 layers



** Edit Layers is to be used to edit, add, and delete Station objects. These objects will give a user an idea of where station objects and important data are in respect to themselves.

Calendar Notes

MOBILE MAP **SERVER** **CURRENT INCIDENT** **INCIDENTS** **APPARATUS** **ADMIN** **CALENDAR/EMG NOTICES**

CALENDAR & EMG NOTICES

CALENDAR **EMERGENCY NOTICES**

Day Week Month Save Changes January 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		01	02	03	04	05
06	07	08	09	10 PTO	11	12
13	14	15	16	17 Station Meeting	18	19

Sync your changes and save them locally

Double clicking on a day will allow you to add a Calendar note and be prompted with an editing screen

Double click on an event edit it.

A delete button will show for deletion on hover

** Note you may also be more precise and switch to the Day and Week views.

Emergency Notes

Sync Emergency Notes with other users and ECM2 Servers

Choose the type of Emergency Note you'd like to add

SYNC EMG NOTES

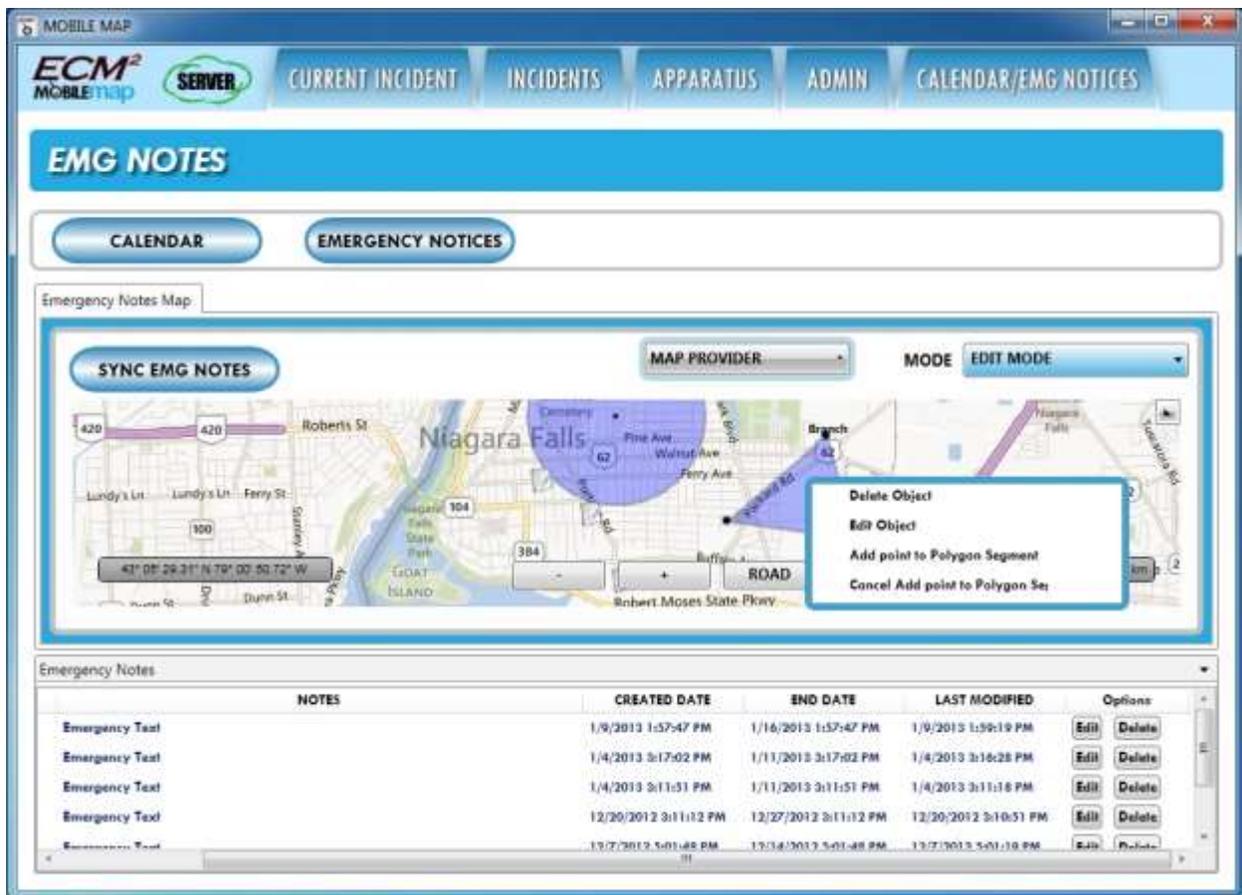
MODE

- EDIT MODE
- ADD PINPOINT
- ADD MAP SHAPE
- ADD RADIUS
- ADD BY ADDRESS

NOTES	CREATED DATE	END DATE	LAST MODIFIED	Options
Emergency Text	1/9/2013 1:57:47 PM	1/16/2013 1:57:47 PM	1/9/2013 1:59:19 PM	Edit Delete
Emergency Text	1/4/2013 3:17:02 PM	1/11/2013 3:17:02 PM	1/4/2013 3:16:28 PM	Edit Delete
Emergency Text	1/4/2013 3:11:51 PM	1/11/2013 3:11:51 PM	1/4/2013 3:11:18 PM	Edit Delete
Emergency Text	12/20/2013 3:11:12 PM	12/27/2013 3:11:12 PM	12/20/2013 3:10:51 PM	Edit Delete
Emergency Text	12/2/2013 5:01:48 PM	12/18/2013 5:01:48 PM	12/2/2013 5:01:19 PM	Edit Delete

List of Emergency notes and an Edit/Delete column

**Note that all map functions are replicated.



**You may also edit EMG Map objects by right clicking on them. To delete, edit, add a point to a polygon, or cancel adding a point to a polygon. Refer to Edit Layers for polygon point addition.

EMG Notice edit screen

NOTES	CREATED DATE	Options
Emergency Test	1/9/2013 1:57:47 PM	Edit Delete
Emergency Test	1/4/2013 3:17:02 PM	1/11/2013 3:17:02 PM 1/4/2013 3:16:28 PM Edit Delete
Emergency Test	1/4/2013 3:11:51 PM	1/11/2013 3:11:51 PM 1/4/2013 3:11:18 PM Edit Delete
Emergency Test	12/20/2012 3:11:12 PM	12/27/2012 3:11:12 PM 12/20/2012 3:10:51 PM Edit Delete
Emergency Test	12/7/2012 5:01:48 PM	12/14/2012 5:01:48 PM 12/7/2012 5:01:18 PM Edit Delete

**Editing EMG Notes brings up this menu. Radiuses may be increased with the Up Down control.

Mobile Map™ is a registered trademark of ECM2
©2013 ECM2 LLC All Rights Reserved

Visit our website at: www.ecm2.us
Contact us at: 724-519-7698

Support issues: support@ecm2.us
Sales team: Steve Henninger, Phone: 724-519-7698
Email: shenninger@ecm2.us

This manual version of Mobile Map was created May/2013