

# PerCon 'Online' Apps for iOS

Last Revision: March 2014

## Introduction

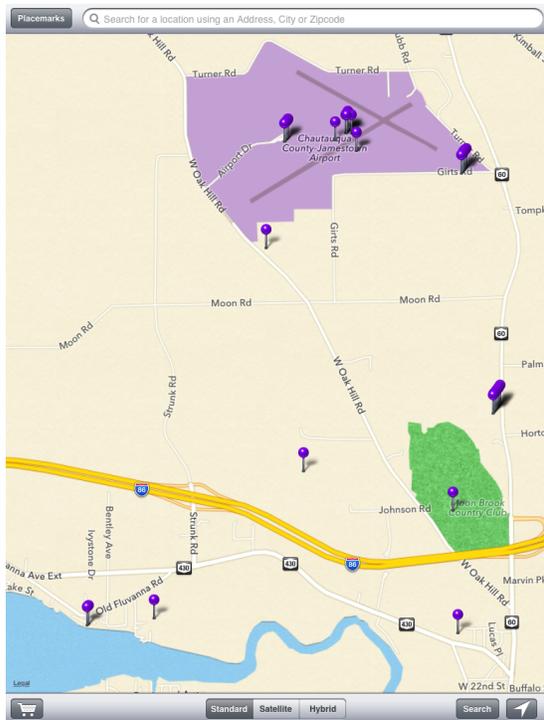
This tutorial was designed to introduce users to the new series of Percon 'Online' apps for iOS. The apps allow users to search PerCon databases using a native iOS app with map interface. This tutorial assumes the user is familiar with iOS gestures and basic knowledge of manipulating a digital map.

## INSIDE THIS TUTORIAL

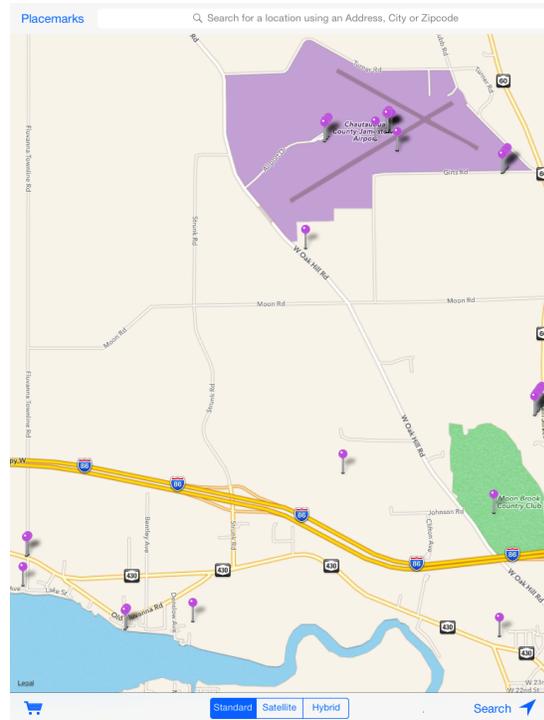
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## Overview

The Online apps provide iPad or iPad mini users with a new way of searching and visualizing data found in PerCon online databases. The Online series of apps use data from a variety of sources including the FCC Frequency and Antenna Registration databases as well as the FAA Digital Obstruction File. Users can view data and extract new records from the various databases simply by manipulating the map.



(Main Map Interface – iOS 6)



(Main Map Interface – iOS 7)

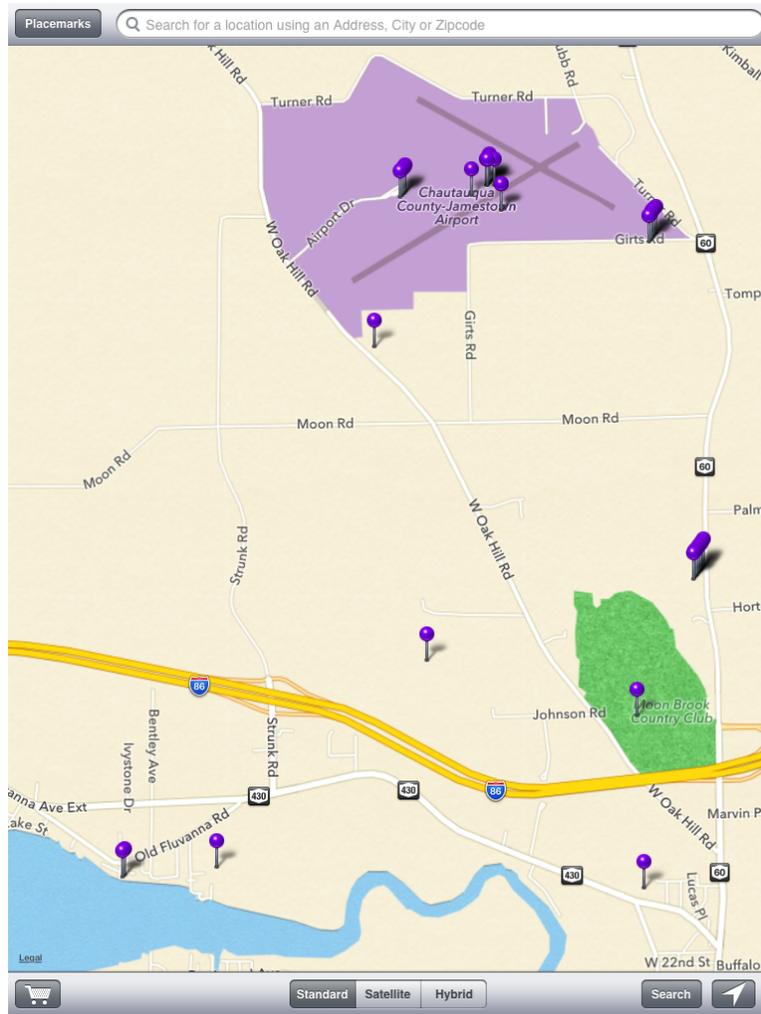
# Main Map Display

## Placemarks Button & Location Search Bar:

Click the Placemarks button to view a list of the current points on the map display. Use the location search for an address, city or zipcode.

## Map Interface & Searching:

Simply move the map in any direction or zoom in and out to select the desired search region and then click the Search button. Each search that returns data costs 1 credit.



## Cart Button:

Click the Cart button to purchase more credits.

## Map Style:

Users can select from three different map styles: Standard, Satellite and Hybrid, a combination of Standard and Satellite.

## Current Location Button:

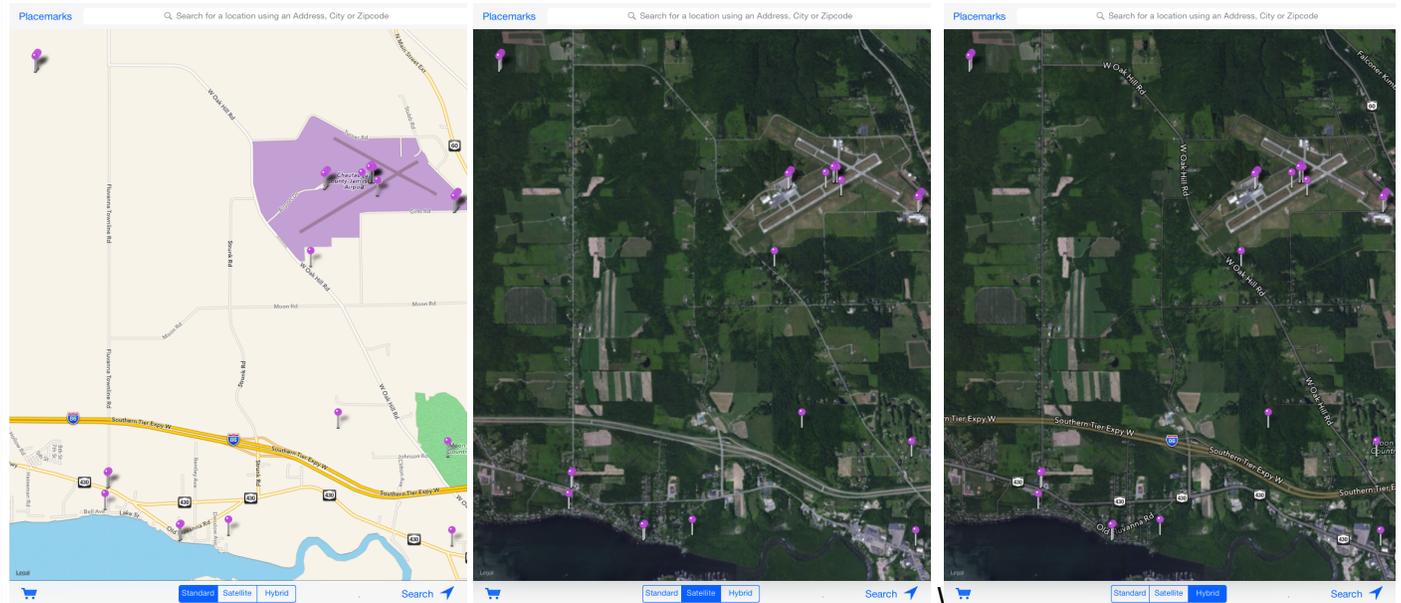
Clicking the Current Location button will move the map to users's current location.

# Viewing Options

The apps support multiple viewing options including Landscape and Portrait modes as well as three different map styles.

## Map Styles

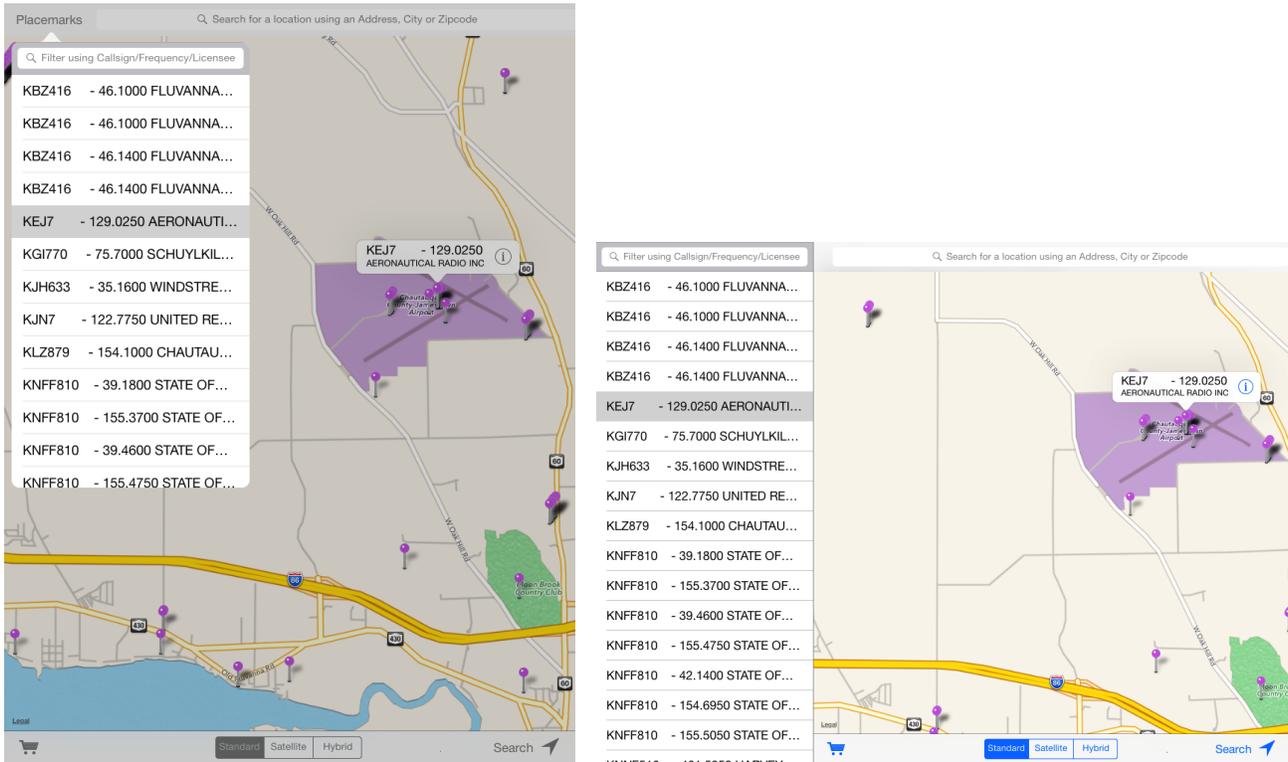
Users can select from Standard, Satellite and a Hybrid map mode where roads from the Standard map are displayed on top of the Satellite map imagery.



Standard, Satellite and Hybrid Map Modes

## Portrait and Landscape Modes

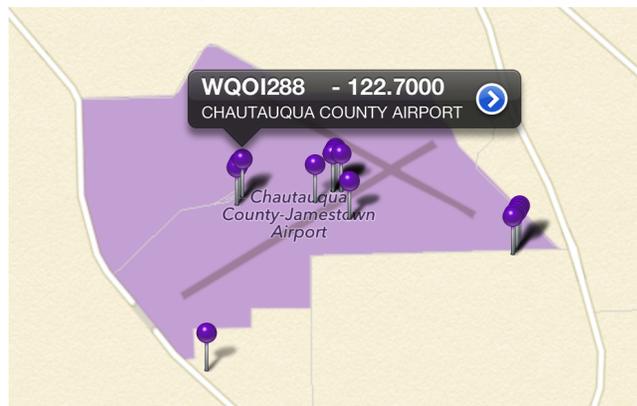
In Portrait mode, the main map window has a Placemarks button on the top toolbar. Clicking on the Placemarks button will display a list of the current search results in a popover window. The Placemarks popover can be dismissed by clicking on any other area of the screen. In Landscape mode, the search results are displayed on the side of the map.



Portrait vs. Landscape Mode

## Selecting Points and Displaying Callouts

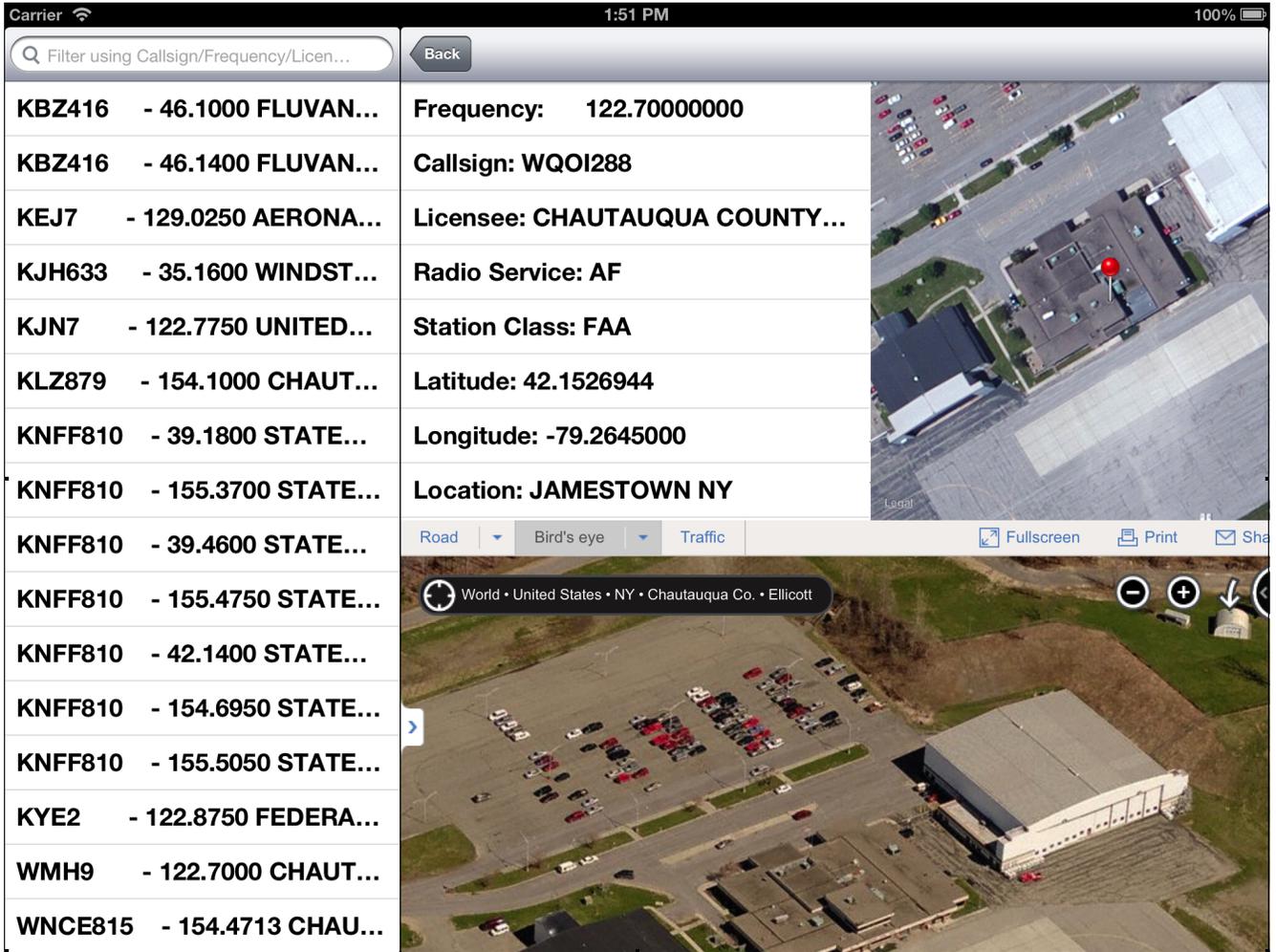
In both modes, users can scroll up and down to view records not currently displayed in the Placemarks list. Clicking on a record from the list will select the point on the map and display a callout for that point containing a brief description. Users can also click directly on a point to display the callout. The callout bubble contains a blue disclosure triangle that can be used to view additional detail for that record in the Detail View.



Sample Callout

# Detail View

The Detail View contains additional information for each point. A table view displaying additional fields of data is displayed in the top left corner along with an overhead satellite view in the top right corner and a Microsoft Bing Bird's eye satellite image on the bottom. The overhead satellite has a pushpin marking the location of the point.



Sample Detail View

**Note:** The fields displayed in the Detail View may vary depending on the source database used.

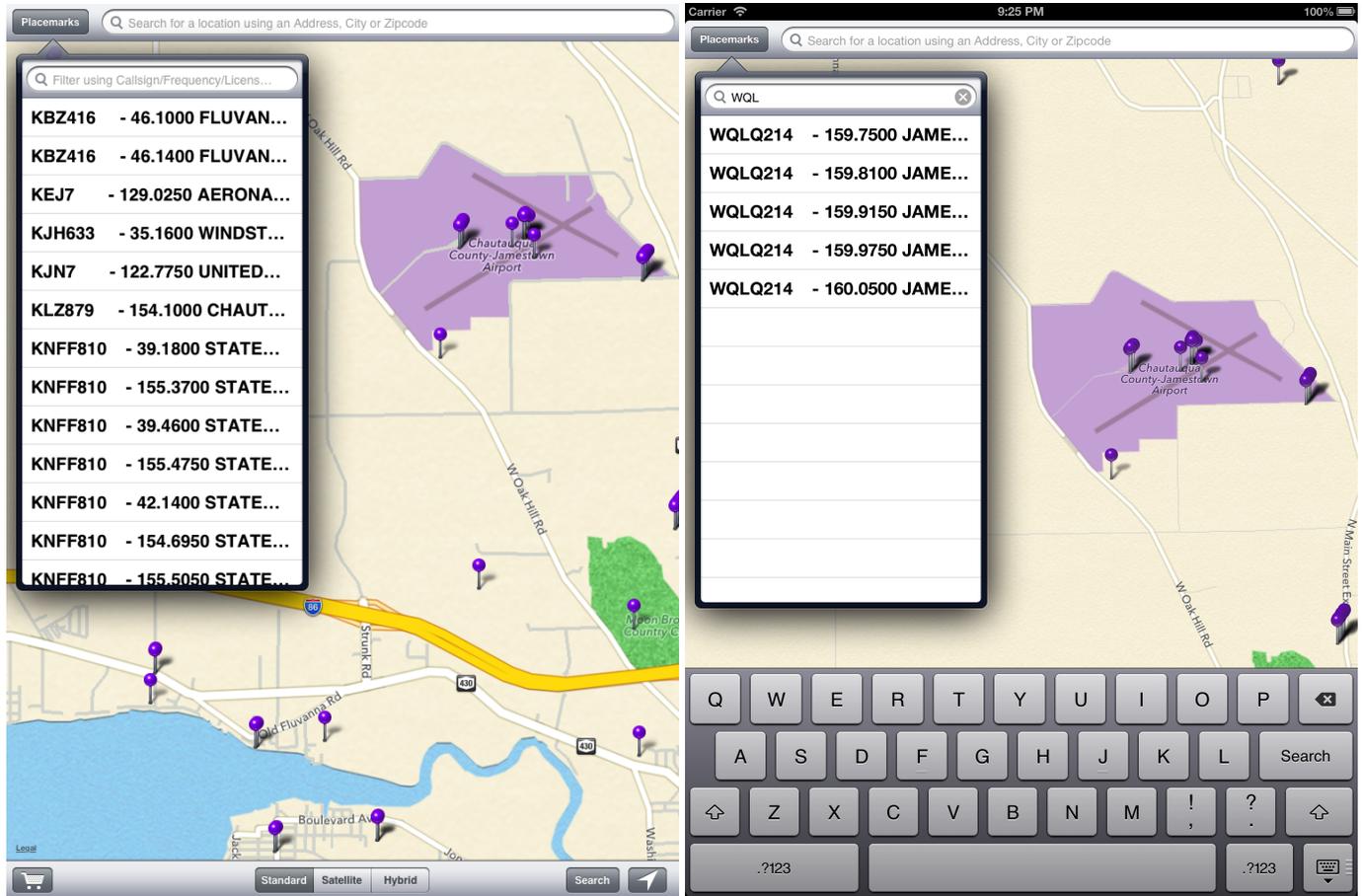
When finished viewing the Detail View, click the Back button to return to the main map view.

# Filtering Search Results & Location Searches

The main map view and the results table / popover both contain search bars. The search bar in the main map view is used to search for a location and the results search bar is used to filter the search results.

## Filtering Search Results

To filter search results, enter a search term in the Search bar. Clicking on the Search bar will display an on screen keyboard and as the user types, the list will be filtered automatically.

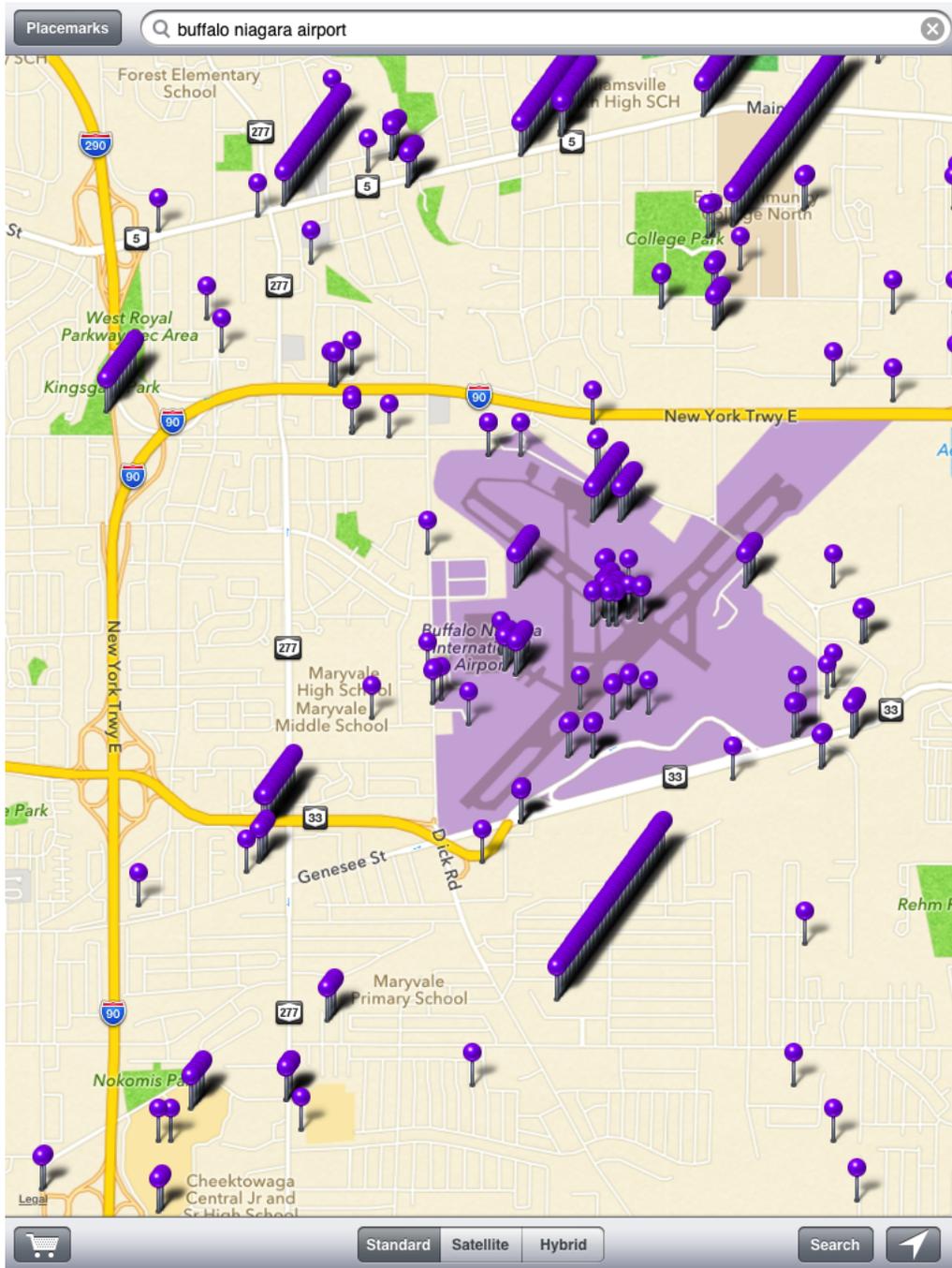


Search Results Before and After Filter

**Note:** The fields or search terms used in the filtering process may vary depending on the source database used.

## Location Searches

The app also offers a text based location lookup using the Location Search Bar located above the map. Simply enter an address, city and state or zip code in the Location Search Bar. Click the Search button on the on screen keyboard when finished and the app will automatically move to that location.



Users can also move to their current location by clicking the current location button in the lower right corner of the main map display.

# Preferences

There are several user-defined preferences that the user can set using the standard iOS Settings app. From the app, click the Home button, launch Settings and select the appropriate app from the list of available apps. The following preferences are currently definable:

**Location:** The Location group allows the user to set the center point the map uses at launch. Users can use the center point from the last search by turning the Use Last Center Point As Default switch on. If the switch is off, users can enter their own center point using the Default Center Latitude and Default Center Longitude fields.

**Default Region Size:** The initial map size can also be set using the preferences. By moving the slider, users can set the startup region size from 1 to 25 miles.



Sample Preferences

## **Company Information**

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## **Revision History**

**March 2014:**

- Initial version.

## **DataLinks Tutorials**

**Tutorial #1:**  
**Introduction To PerCon DataLinks**

**Tutorial #2:**  
**PerCon DataLinks Output Options**

**Tutorial #3:**  
**DataLinks Frequency Finder**

**Tutorial #4:**  
**PerCon DataLinks Co-Channel /  
Adjacent Channel Analysis**

**Tutorial #5:**  
**DataLinks Wildcard Searches**

**Tutorial #6:**  
**Keyhole .KML Output Option**

**Tutorial #7:**  
**SQL Query Builder & Editor**

**Tutorial #8:**  
**Dynamic Database Browsing**

**Tutorial #9:**  
**Worldwide Bandplan Database**