WAAS Web Application Portal

Actual Airport Outages

Contents

Introduction

As part of the William J. Hughes Technical Center WAAS Test Team website (www.nstb.tc.faa.gov), the WAAS Web Application Portal allows you to view Actual Airport Outages on a geographic display.

This website allows you to view the number of outages and availability over a set time frame. This includes:

- LP Availability and number of LP outages
- LPV Availability and number of LPV outages
- LP200 Availability and number of LP200 outages

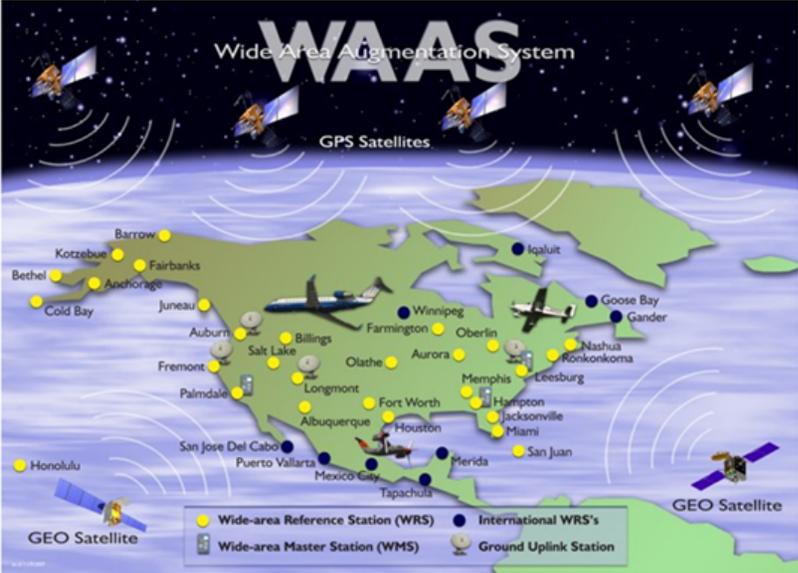All airports that have WAAS LP, LPV and LPV200 approaches published will be searchable.

The following information shows you how to navigate the website. First, click on the "WAAS Web Application Portal" link (See red arrow below).

Once you click the link, you come to the screen below. To access the airport outages, click on "Airport Actual Outages" (See red arrow below).

Welcome to The William J. Hughes Technical Center WAAS Test Team

Interactive Web Application Portal

Disclaimer: The data on this website is for information only and should not be used for flight planning.
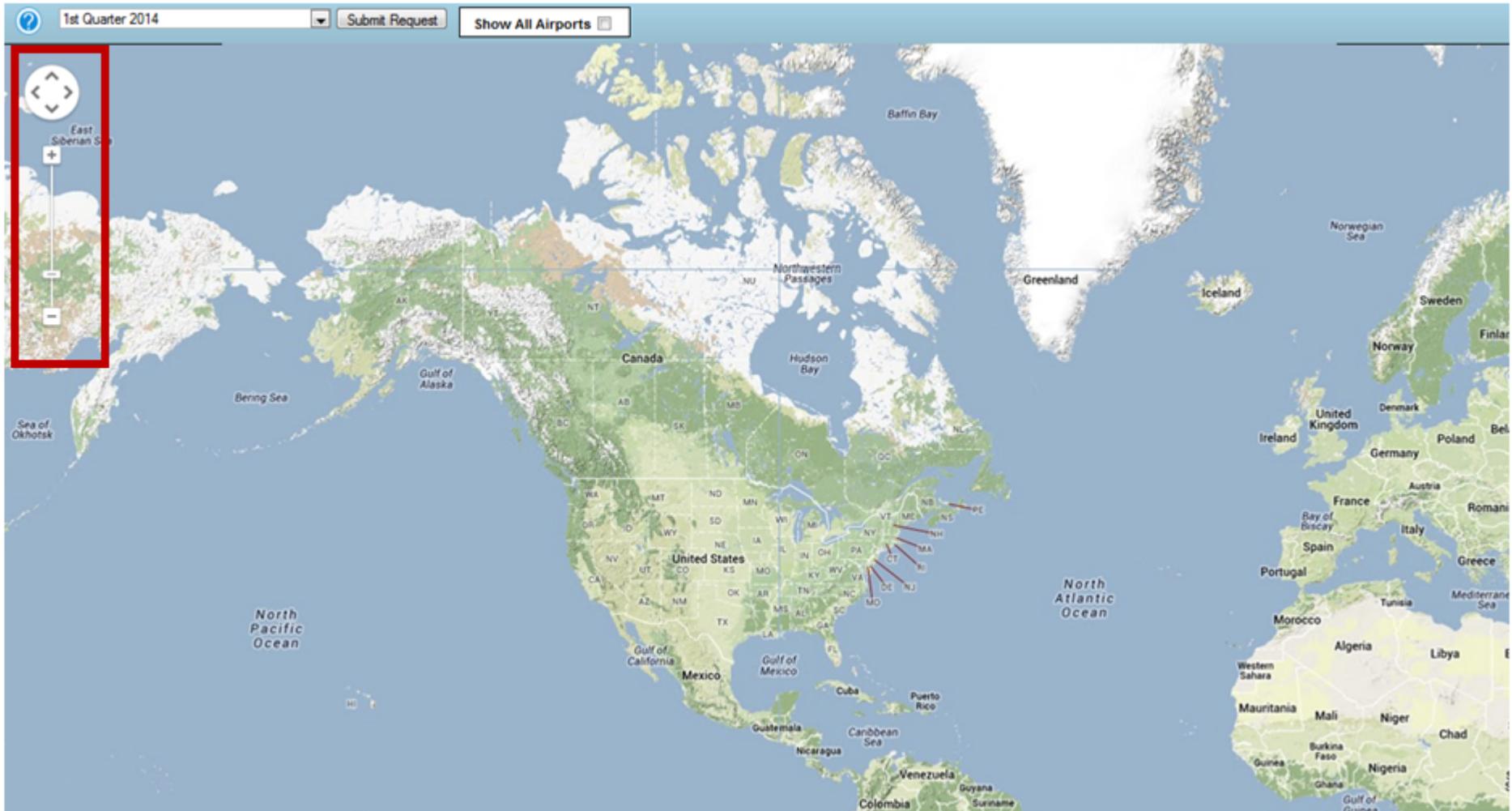
Real-Time Applications

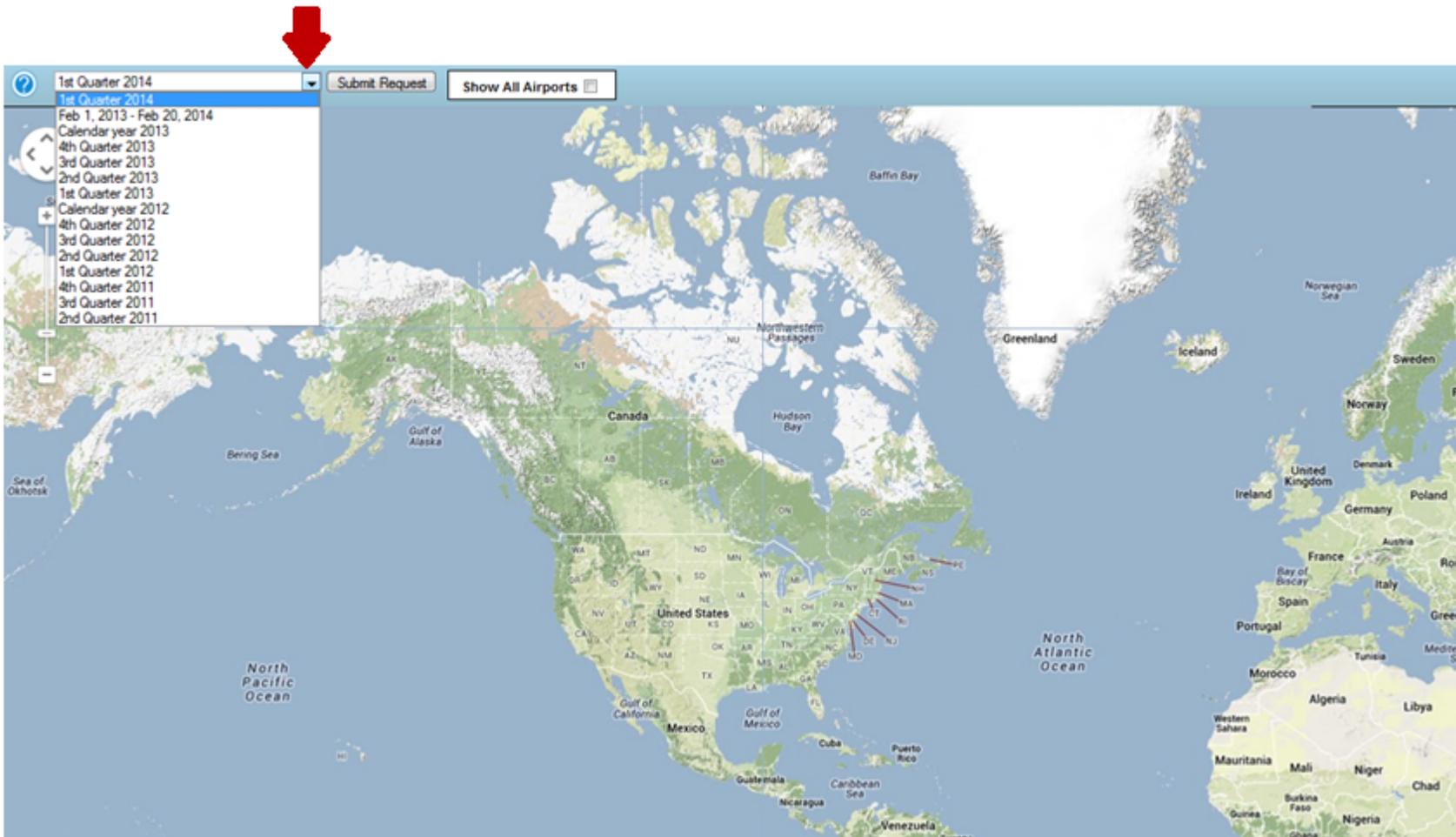|	
OTE Display	- Real-Time Receiver Data Display
SMS Display	- Real-Time Service Monitoring Subsystem Display
SBAS Display (Coming Soon)	- Real-Time EGNOS / MSAS / WAAS Display

Reporting Applications

Airport Actual Outages	- Provides "rolled up" airport outage information on a geographic display
Airport Schedules	- Shows predicted airport schedules for the next two weeks
Interactive PAN Report	- Allows for interactive generation of select PAN Report Tables over a user specified period of time
NPA SPS Summary	- Summary NPA SPS Statistics
PA Summary	- Summary PA Statistics
Rollup Display	- Displays aggregated airport and IGP statistics on a geographic display
SMS Animation Display	- Animates SMS data over user selected time periods on an interactive geographic display
UDREi Daily Graphs	- Displays savable UDREi GEO graphs for a given day

After clicking "Actual Airport Outages," you will see a screen like the one below. As can be done with all Google Maps, you may zoom in and out by sliding the zoom control on the upper left corner of the map or the by scrolling with the scroll wheel your computer mouse. You can also pan using the round pan button (See the red box below). You may also pan by pressing and holding the left-mouse key and moving your mouse anywhere on the map.
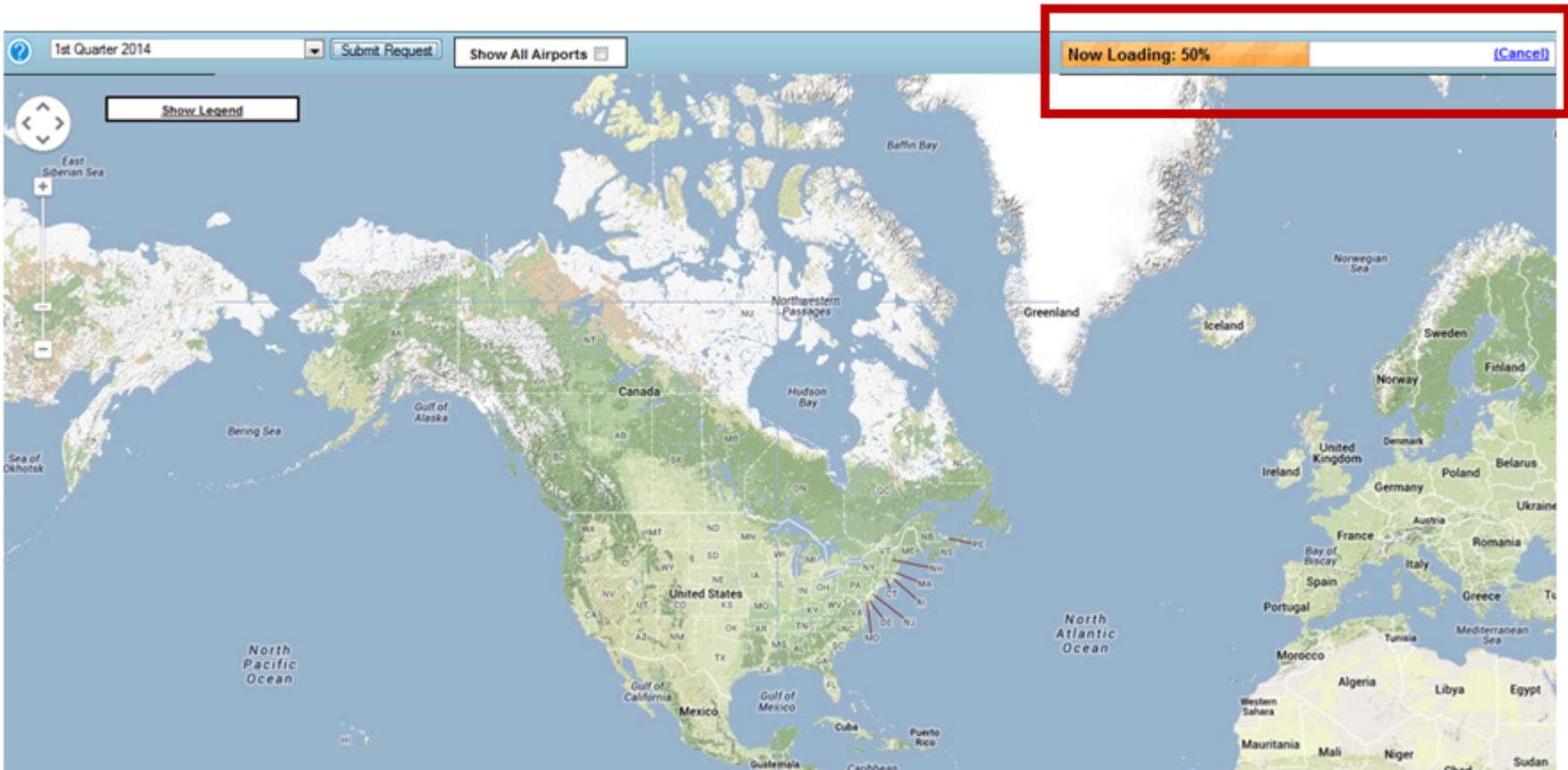
Choosing a Date

In the upper left corner, use the down arrow to pick the Quarter or Calendar Year you would like to view, as far back as 2nd Quarter 2011. Once you choose a date, click on the "Submit Request" box.
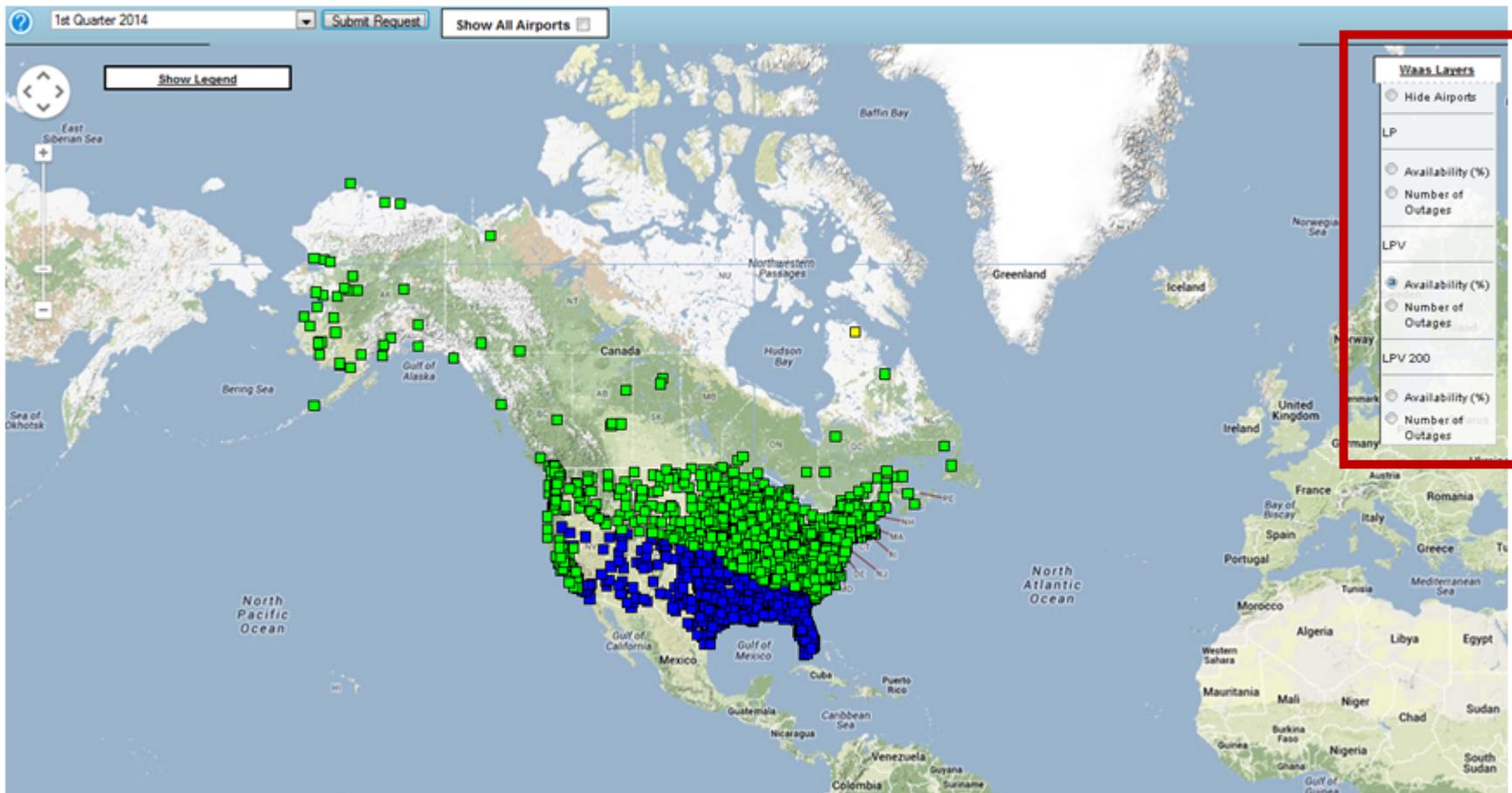
Canceling a Page Load

The red box here is highlighting that the page is currently 50% loaded. If you want to cancel or change this request *while the page is loading*, click on the word (Cancel) in the upper right-hand corner. This will bring you back to the initial page where you may submit a request for a different date. After the page has finished loading you cannot hit (Cancel). You simply request a different time period.
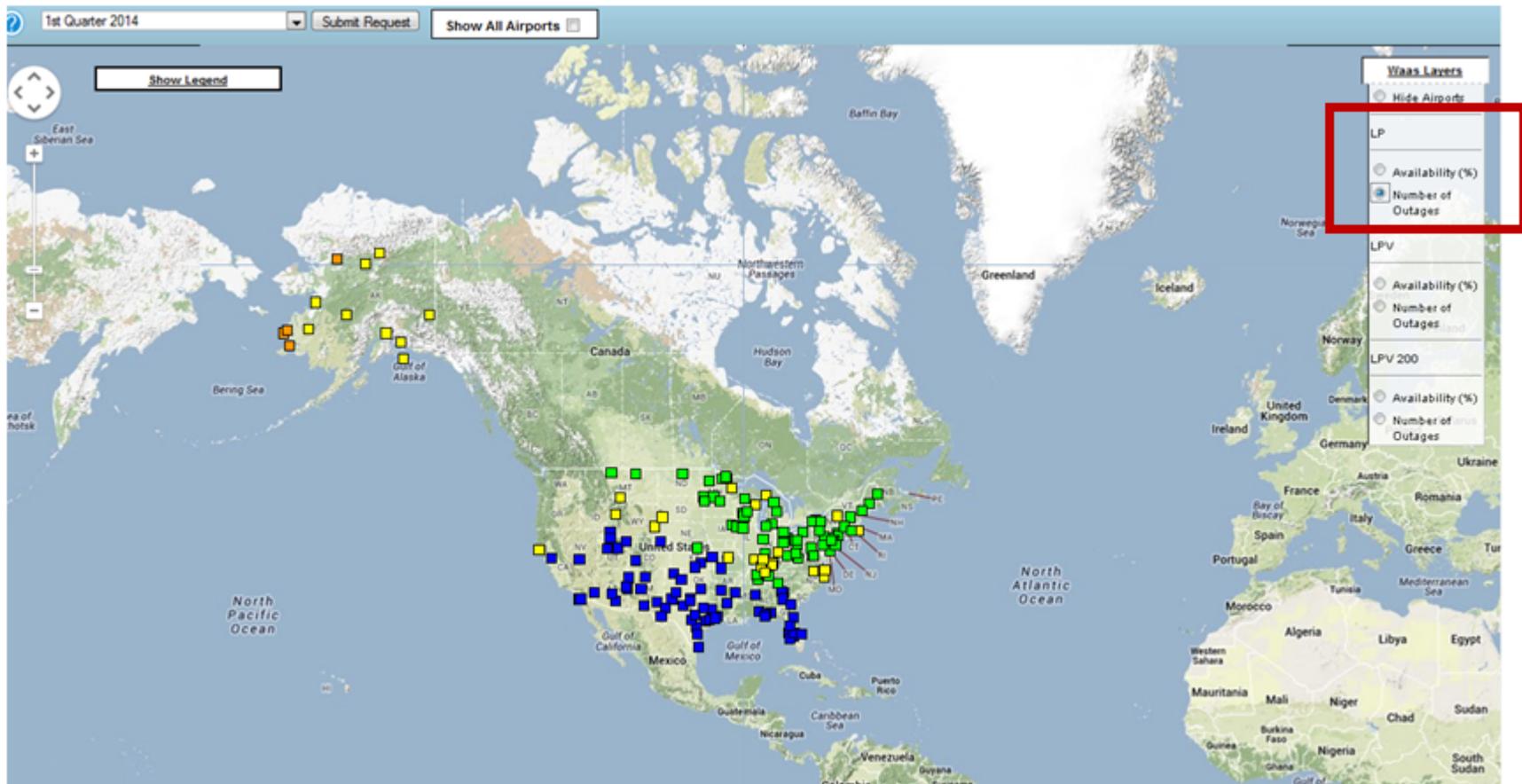
WAAS Layers

After clicking on "Submit Request" for 1st Quarter 2014, we are shown the WAAS layers box. Here, The LPV Availability radio button is selected by default (See red box). Note: the WAAS layers box can be hidden by clicking "WAAS Layers."

From the WAAS Layers box, we can change parameters to view all airports that have WAAS LP, LPV, or LPV200 approaches published. We can also choose whether we'd like to see percent of availability or the number of outages. Click the appropriate radio button to choose a different parameter. The map will change accordingly.
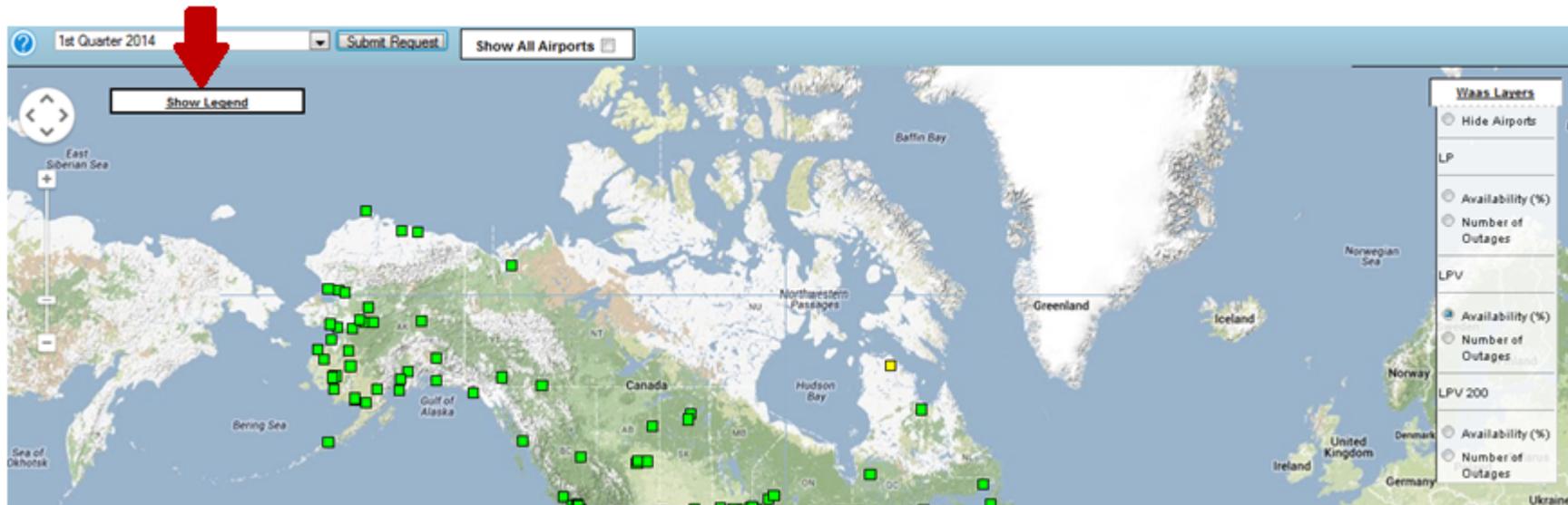
In this example, we selected Number of LP outages (See red box below). The map has changed to reflect this.

Note: only one parameter can be shown at a time. For example, you cannot choose to view both LPV and LPV200 availability at the same time.
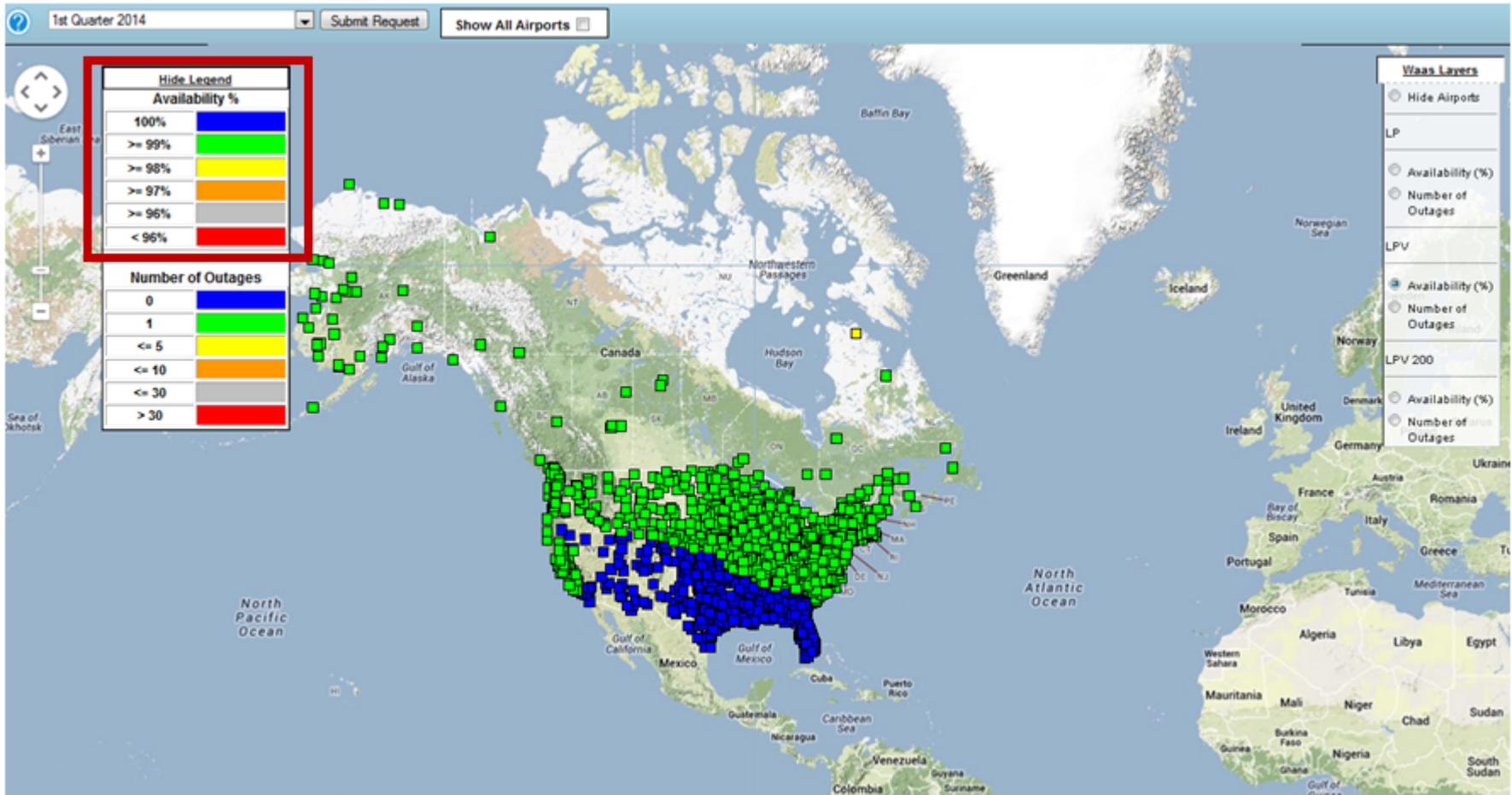
Show Legend Box

Notice the "Show Legend" box in the upper, left-hand corner of the screen (See red arrow below). Clicking this will allow us to see what the colored boxes represent.
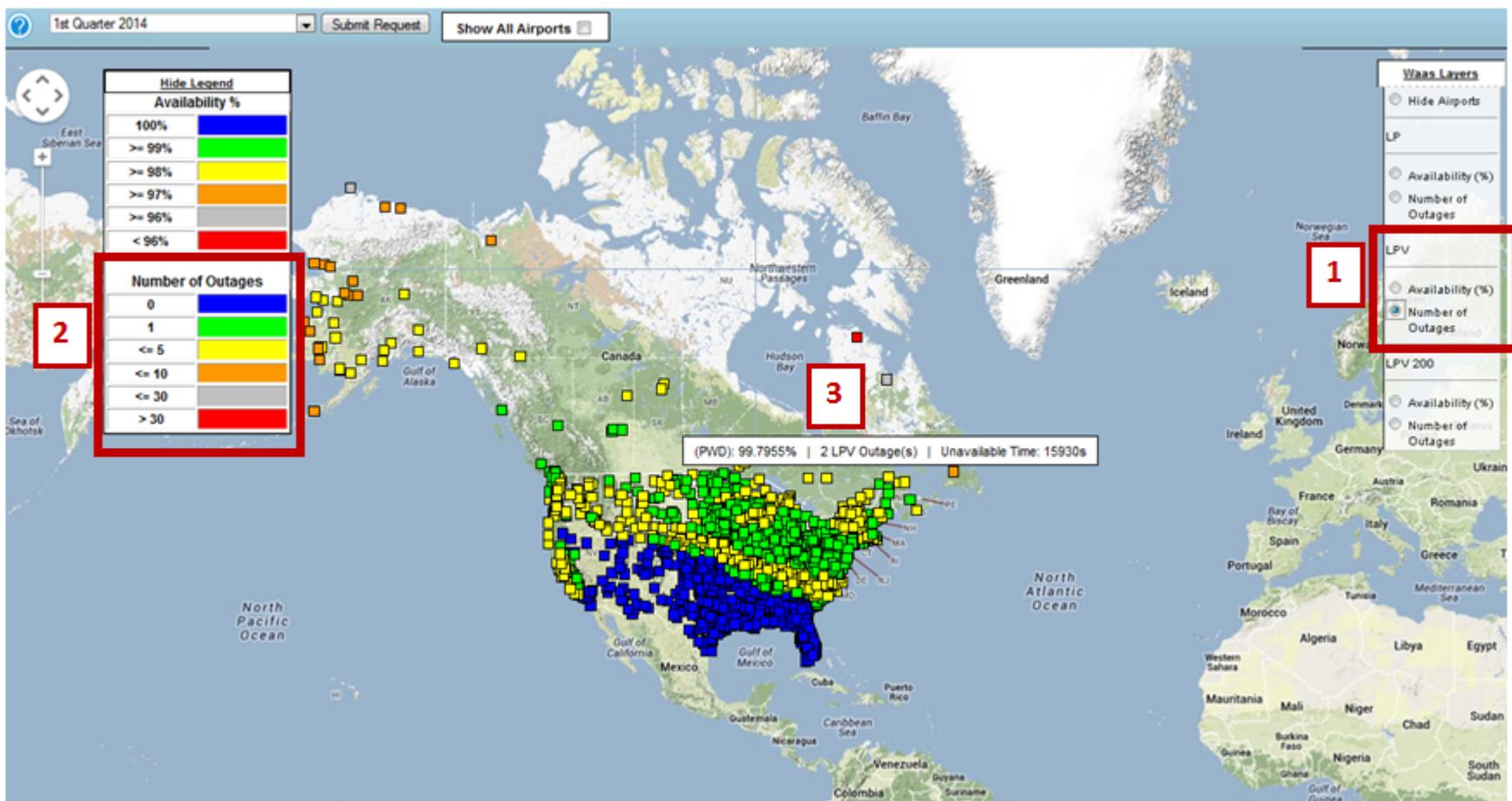
Here is the screen after clicking on the "Show Legend" box. Since we are looking at LPV Availability, we concentrate on the upper portion of the box (See red box below). The blue boxes represent 100% LPV availability. The green boxes indicate ≥ 99% LPV availability. The yellow show the percent of LPV available is ≥ 98%. To close the legend, click on "Hide Legend" at the top of the Legend box.
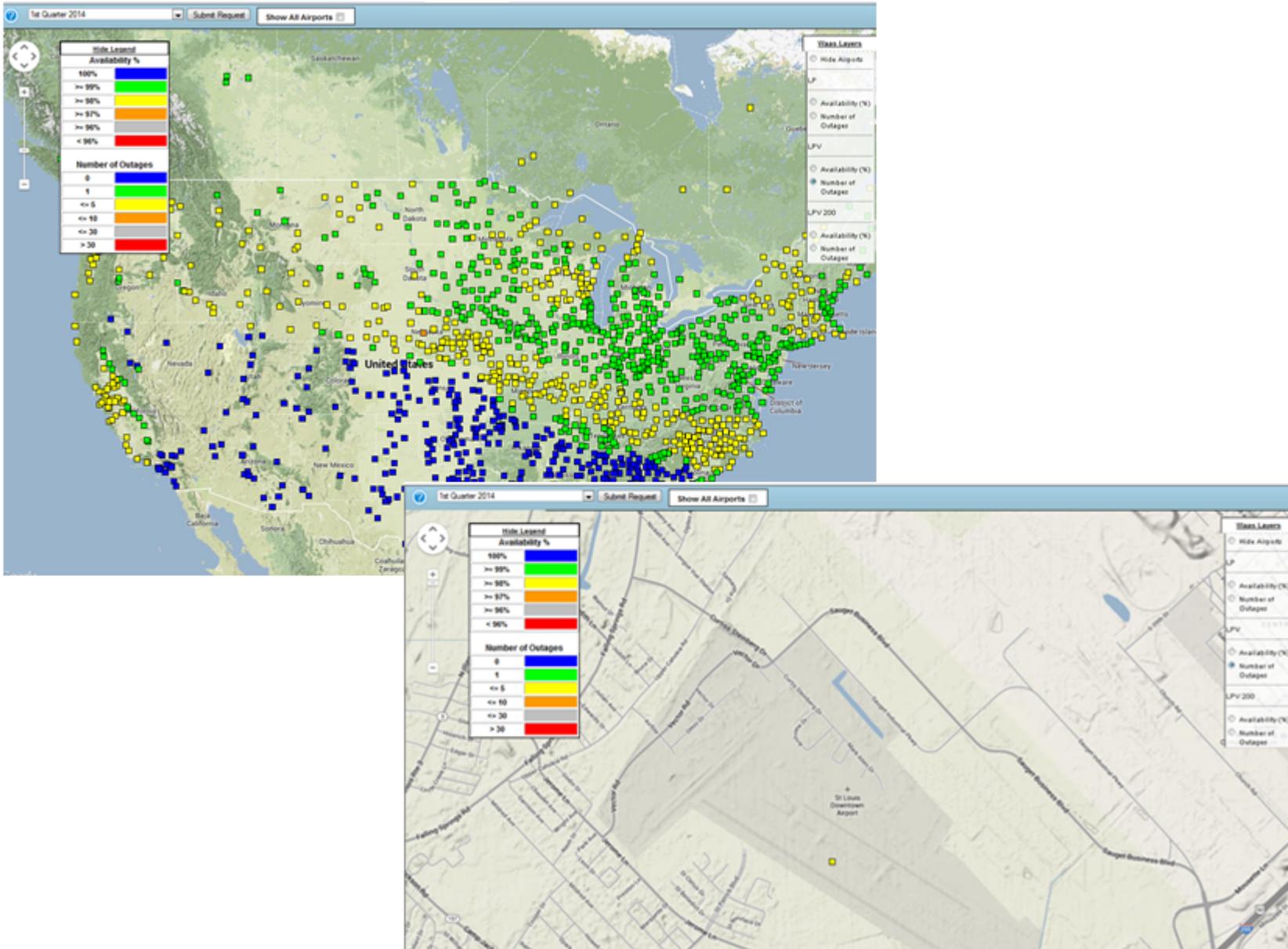
Number of Outages

Here we clicked LPV "Number of Outages" (See #1 below). Now, the screen is showing boxes indicating the number of LPV outages; therefore, we look at the **bottom** of the legend to see what the colors mean in terms of number of outages (See #2 below). When hovering over a particular box, a white box will appear listing the airport code, the percent of LPV availability, the number of outages and seconds LPV was unavailable (See #3 below). In the case of the box below, we see PWD had 99.7955% LPV Availability, 2 LPV Outages and was unavailable for 15,930 seconds.

Please note: clicking on each individual colored box *will **not*** give you any further information other than what is already indicated in the pop-up box.
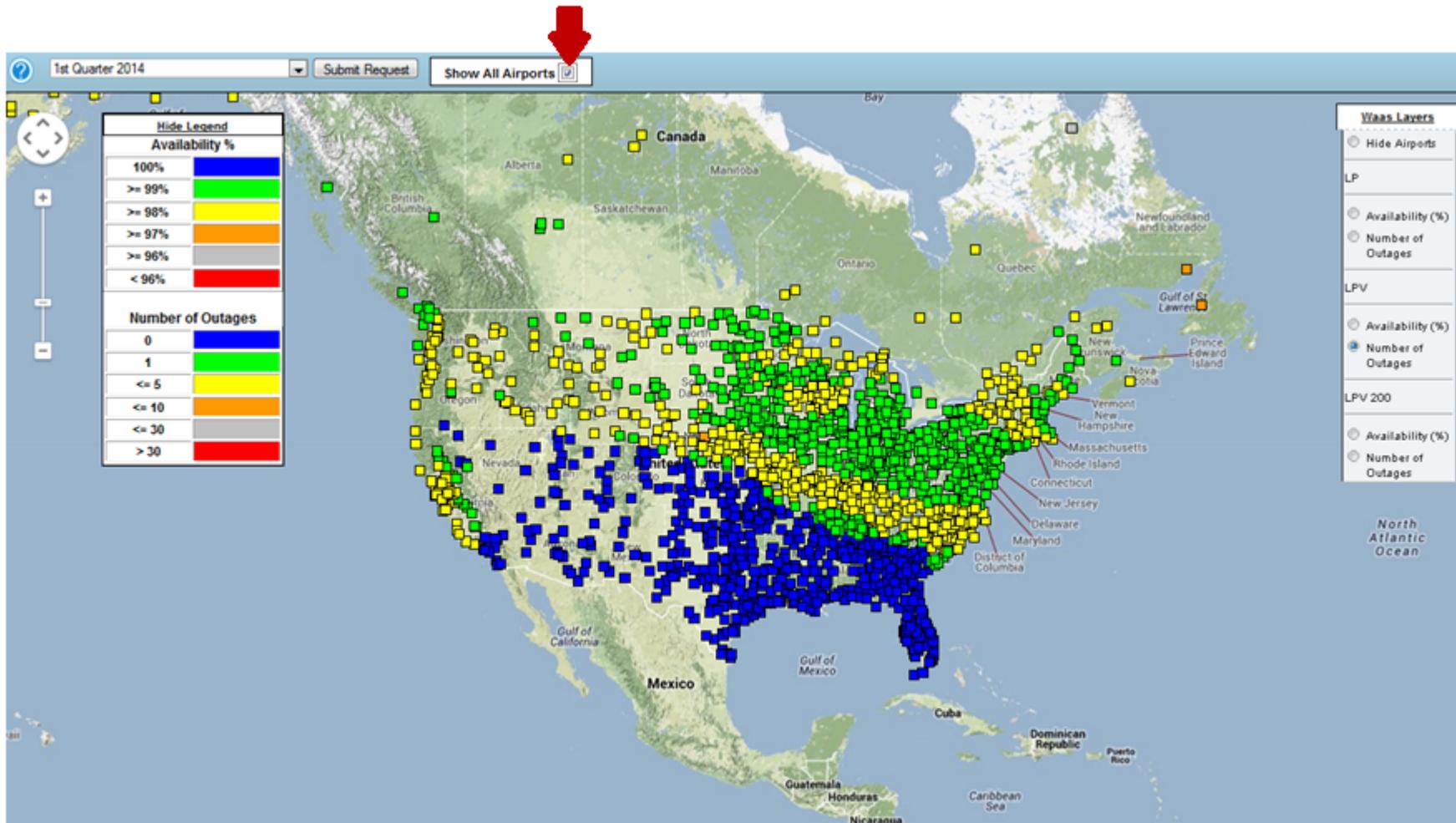
Scrolling

We scrolled in closer using the scroll wheel on the mouse. Below are two examples of scrolling. The bottom box is showing us a close up view of the St. Louis Downtown Airport, for example. You may also zoom out to get a broader view of the earth.
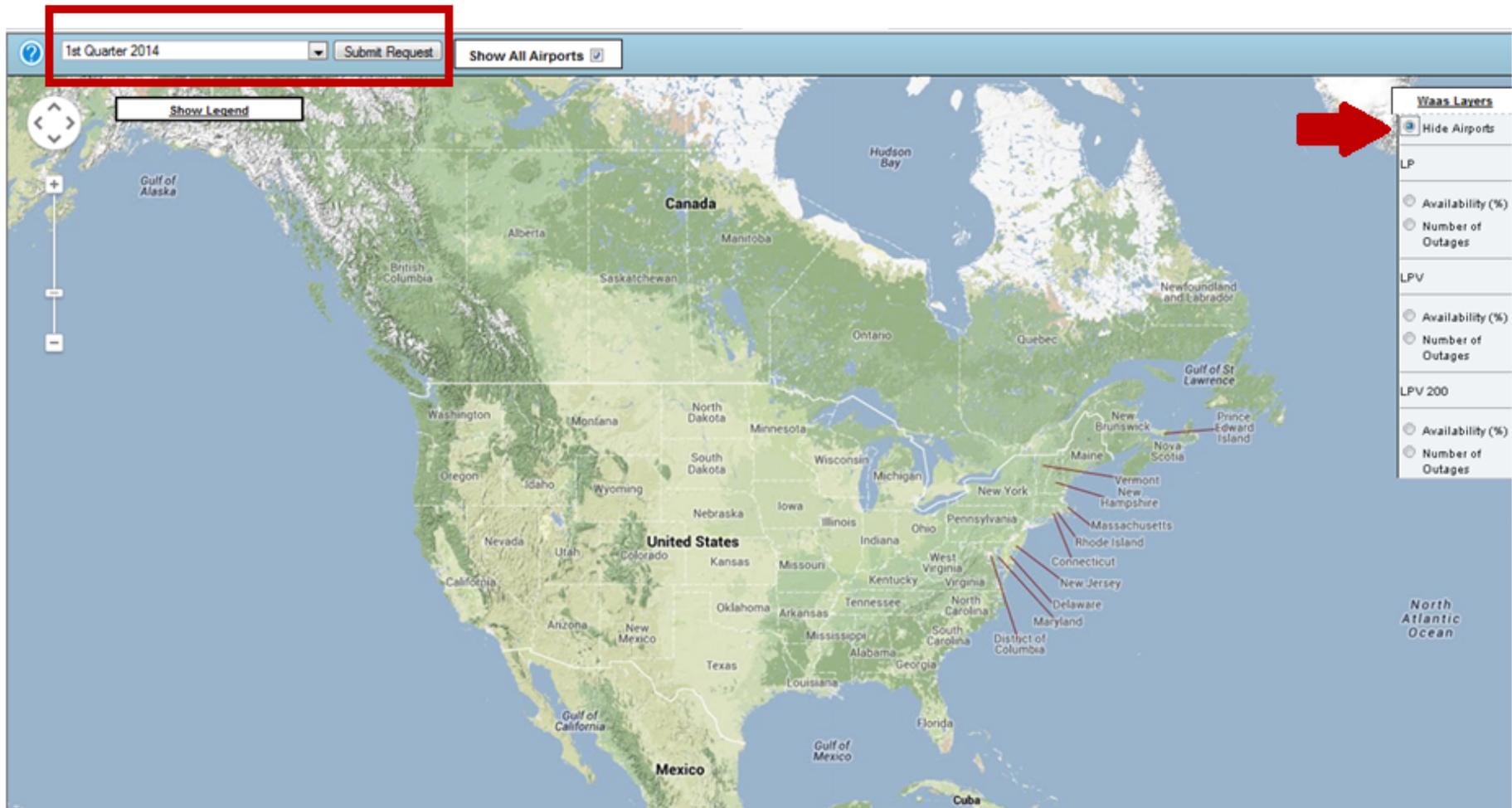
Show All Airports

So far, we have looked at airports that have LPV approaches published. If we wanted to view all airports, regardless of which approach is published, we could check off "Show all Airports" (See red arrow below).

Hide Airports

You may hide airports by selecting "Hide Airports." (See red arrow below) Doing so will remove all boxes, as seen in the image below.

After you click on "Hide Airports"; however, you will no longer be able to click on any other parameters you would like to view such as LP, LPV or LPV200. To see any data, you must select a quarter or calendar year you would like to view and hit "Submit Request" again (See red box below).

Additional Info

To find out more information, click on the question mark in the upper left corner (See red arrow below). This will open a help Dialog Box with static information.