ArcGIS Web Mapping

Sam Berg, esri

sberg@esri.com

Agenda

- ArcGIS and WebMaps
- The APIs
- ArcGIS for Flex Viewer
- ArcGIS for Silverlight Builder
- ArcGIS for Sharepoint
- ArcGIS Application Templates
- ArcGIS Runtime

ARCGIS ONLINE

ArcGIS Online Is a Cloud Based System

An Emerging Platform for Mapping and Geospatial Content Management

Basemaps
Hosting
Mapping
Sharing
Open Data
Mobile
Groups
Templates
User Content
Images
Geocoding
Applications
Any Device
Catalog
Web Services
Intelligent Maps
Standards
Analysis
APIs

Online and On Premise

. . . For Individuals, Departments and the Enterprise

Integrating Services (Data, Maps, Models . . .)

Services and Data

Easily Created and Shared

Accessible

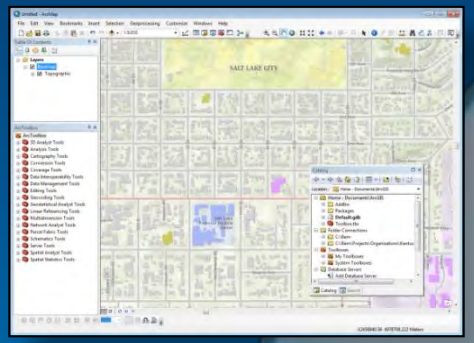
Supporting

- Information Pop-Ups
- Dynamic Web Services
- Temporal Data
- Spreadsheets
- Spatial Analysis
- Annotation and Sketching

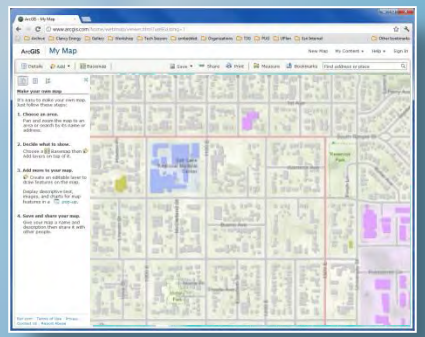
WEB MAPS

ArcGIS Online Web maps

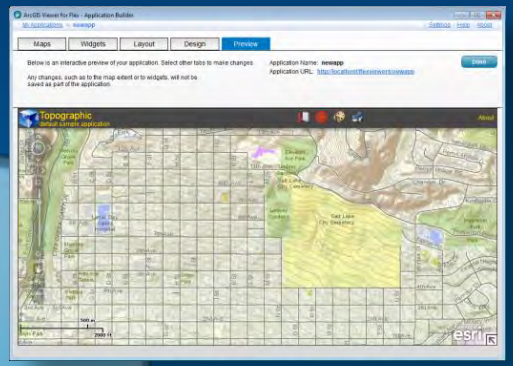
Can be used in many ways, in many applications, on many devices



ArcMap

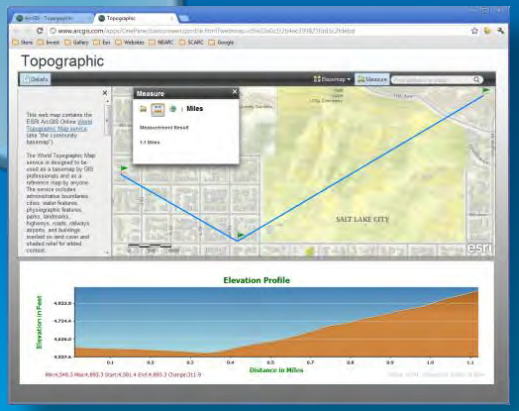


Web map



Custom Applications

Mobile Apps



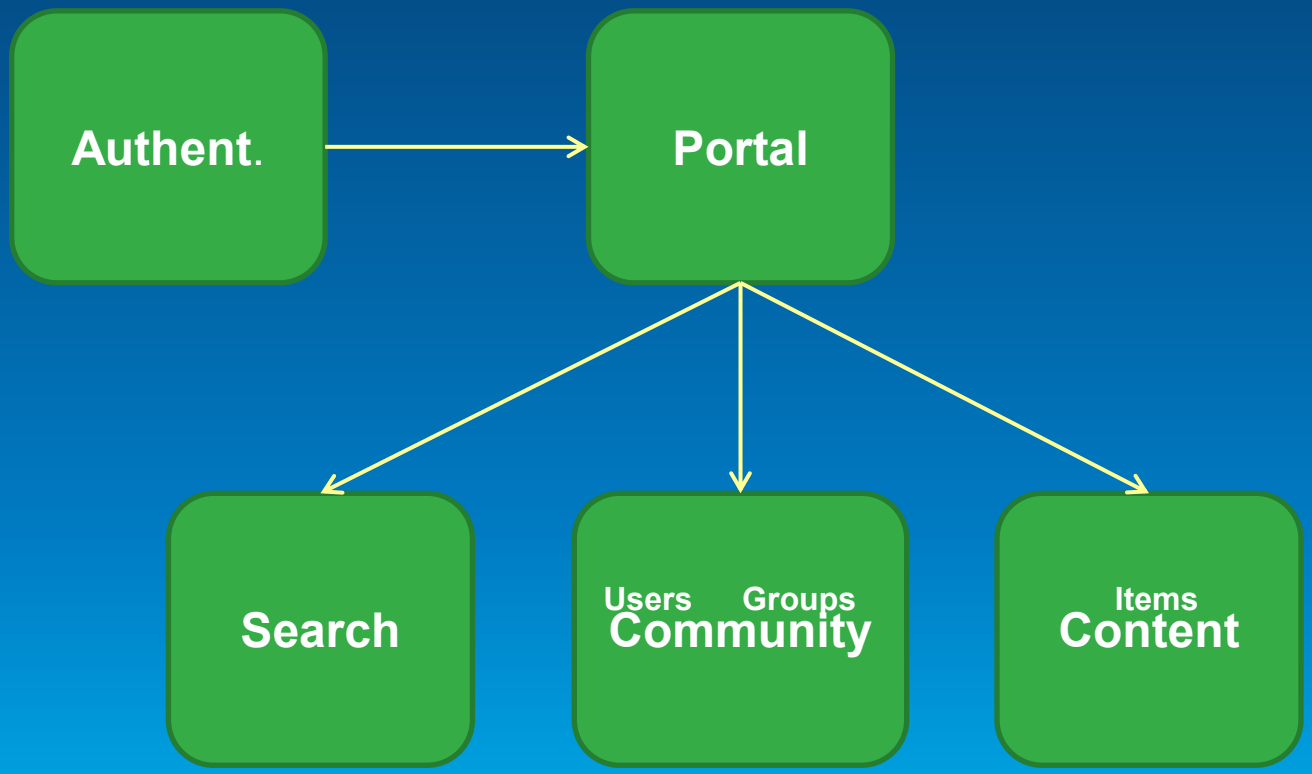
Configurable App Templates

Map ID

A unique identifier

www.arcgis.com/home/webmap/viewer.html?webmap=ef5920f160bd4239bdeb1348de3a3156

Working with the ArcGIS Portal REST API



http://www.arcgis.com/sharing/content/items/46232670fc984e73a22d39cf13b78ad0/data?f=pjson

ADKMap

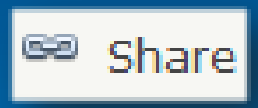
File Edit View Favorites Tools Help

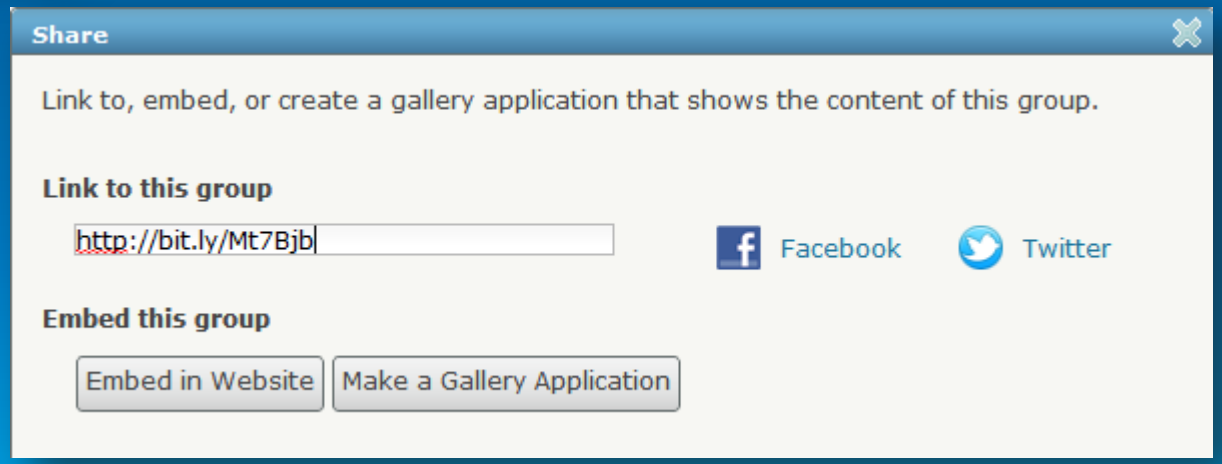
Work AGS AGSP AGOL ArcGIS LG Demos Help w Web Slice Gallery


```
{
  "operationalLayers": [{
    "url": "http://sampleserver5a.arcgisonline.com/ArcGIS/rest/services/Events/FeatureServer/0",
    "visibility": true,
    "opacity": 1,
    "mode": 1,
    "title": "SS5_Events - Events"
  }],
  "baseMap": {
    "baseMapLayers": [{
      "opacity": 1,
      "visibility": true,
      "url": "http://services.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer"
    }],
    "title": "World_Topo_Map"
  },
  "widgets": null,
  "version": "1.1"
}
```

Groups

- Collections of items in groups can be embedded or displayed in configurable galleries

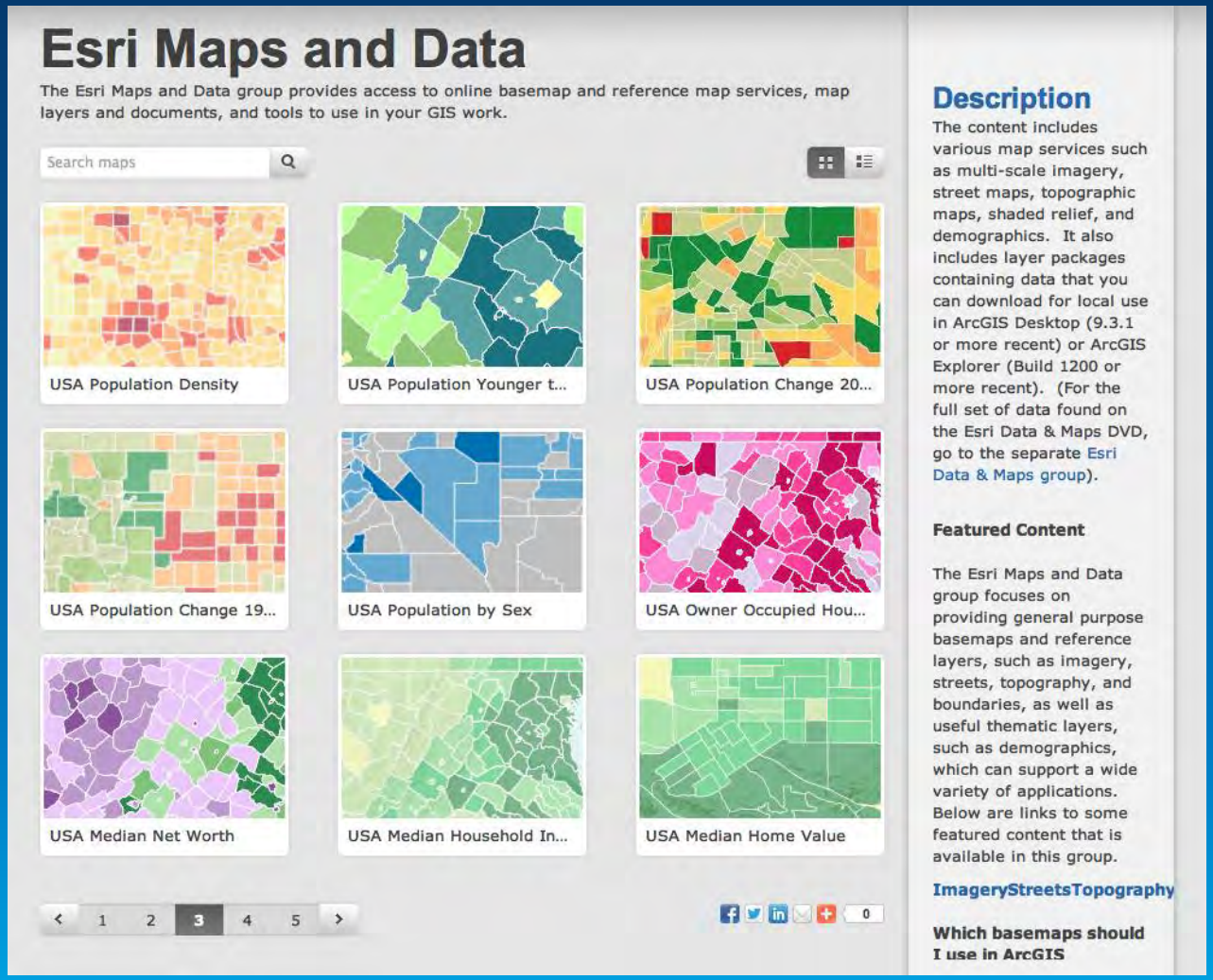




Group IDs

Group ID Finder
https://servicesbeta.esri.com/demos/portal/portal_getGroup.html
ArcGIS Online Group ID Finder
Find group ids based on search term. Sign-in to search for private groups.
Featured Maps and Apps for United
Submit
National Maps for USA
Featured Maps and Apps for United States (Esri_cy_US)
This group contains a variety of maps and apps for the United States or of general interest to people in the United States.
b8787a74b4d74f7fb9b8fac918735153

Content


Esri Maps and Data
The Esri Maps and Data group provides access to online basemap and reference map services, map layers and documents, and tools to use in your GIS work.
Search maps
USA Population Density
USA Population Younger t...
USA Population Change 20...
USA Population Change 19...
USA Population by Sex
USA Owner Occupied Hou...
USA Median Net Worth
USA Median Household In...
USA Median Home Value
1 2 3 4 5
0
Description
The content includes various map services such as multi-scale imagery, street maps, topographic maps, shaded relief, and demographics. It also includes layer packages containing data that you can download for local use in ArcGIS Desktop (9.3.1 or more recent) or ArcGIS Explorer (Build 1200 or more recent). (For the full set of data found on the Esri Data & Maps DVD, go to the separate Esri Data & Maps group).
Featured Content
The Esri Maps and Data group focuses on providing general purpose basemaps and reference layers, such as imagery, streets, topography, and boundaries, as well as useful thematic layers, such as demographics, which can support a wide variety of applications. Below are links to some featured content that is available in this group.
ImageryStreetsTopography
Which basemaps should I use in ArcGIS

Resource Center Show: Web Content Only▾ My Organization Samuel Ber

HOME GALLERY MAP GROUPS MY CONTENT Searc

My Groups

Create a Group | Invitations (0)

Show

All My Groups
Owned by Me
Owned by Others
With New Membership Requests

You are a member of 23 groups

CT DECD Executive Web Maps (demo)
created by samuelberg on August 20, 2012
Details

CT DECD Public Web Maps
CT DECD Public Web Maps
created by samuelberg on August 8, 2012
Details

CT Emergency Management Demo (Executives)
A Site for Improved Communication for State and Local Officials and Utilities
created by samuelberg on July 6, 2012
Details

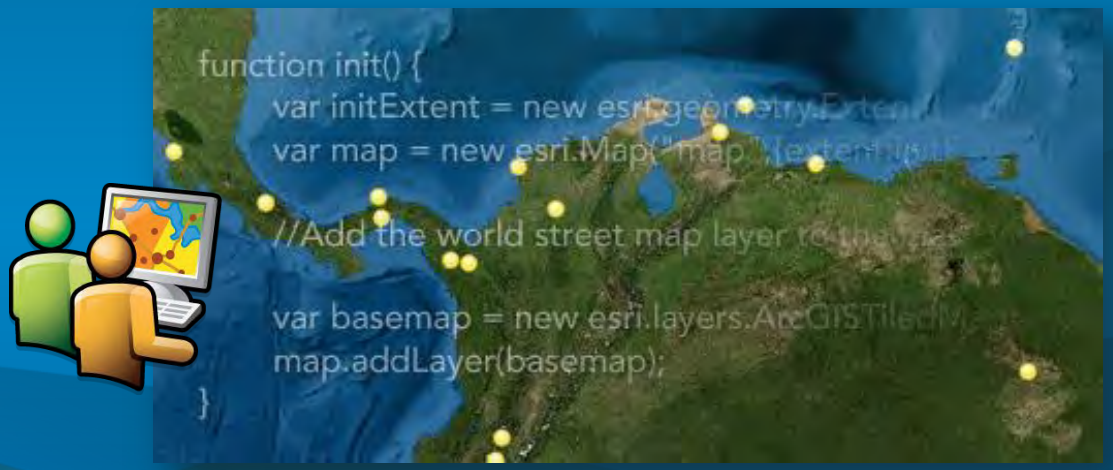
CT Emergency Management Demo (Municipalities and Utilities)
Sharing and collaboration for towns, government agencies, utilities, and the State of Connecticut.
created by samuelberg on June 21, 2012
Details

CT Emergency Management Demo (Public)
Public access to shared Emergency Management information. (demo)

APIS

A Platform for Building Custom Apps

- API's and SDK's
- Web and mobile apps
- Sharing and collaboration tools
- App Templates
- **www.arcgis.com/apidocs/rest/**



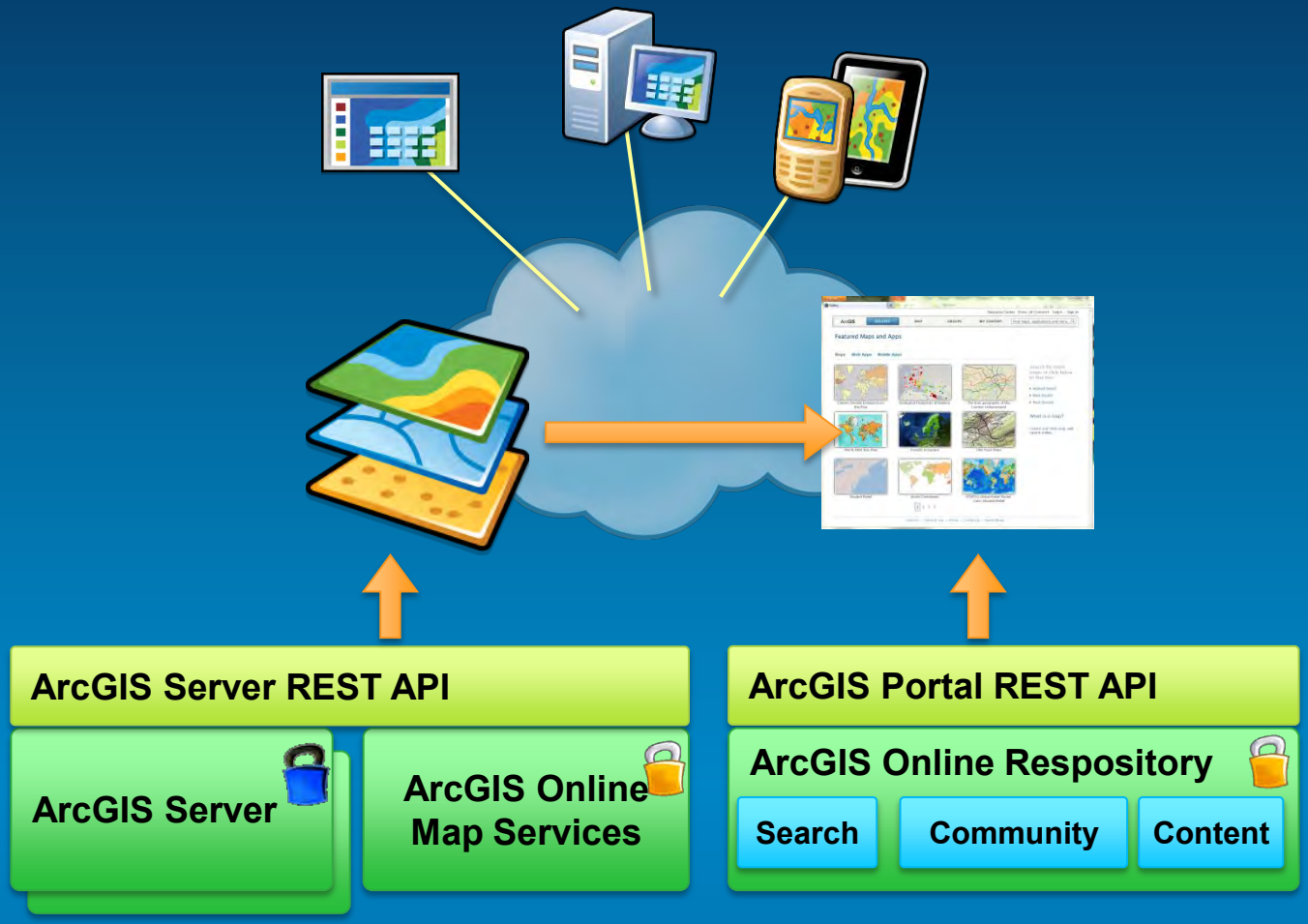
Web Mapping APIs

Building web clients

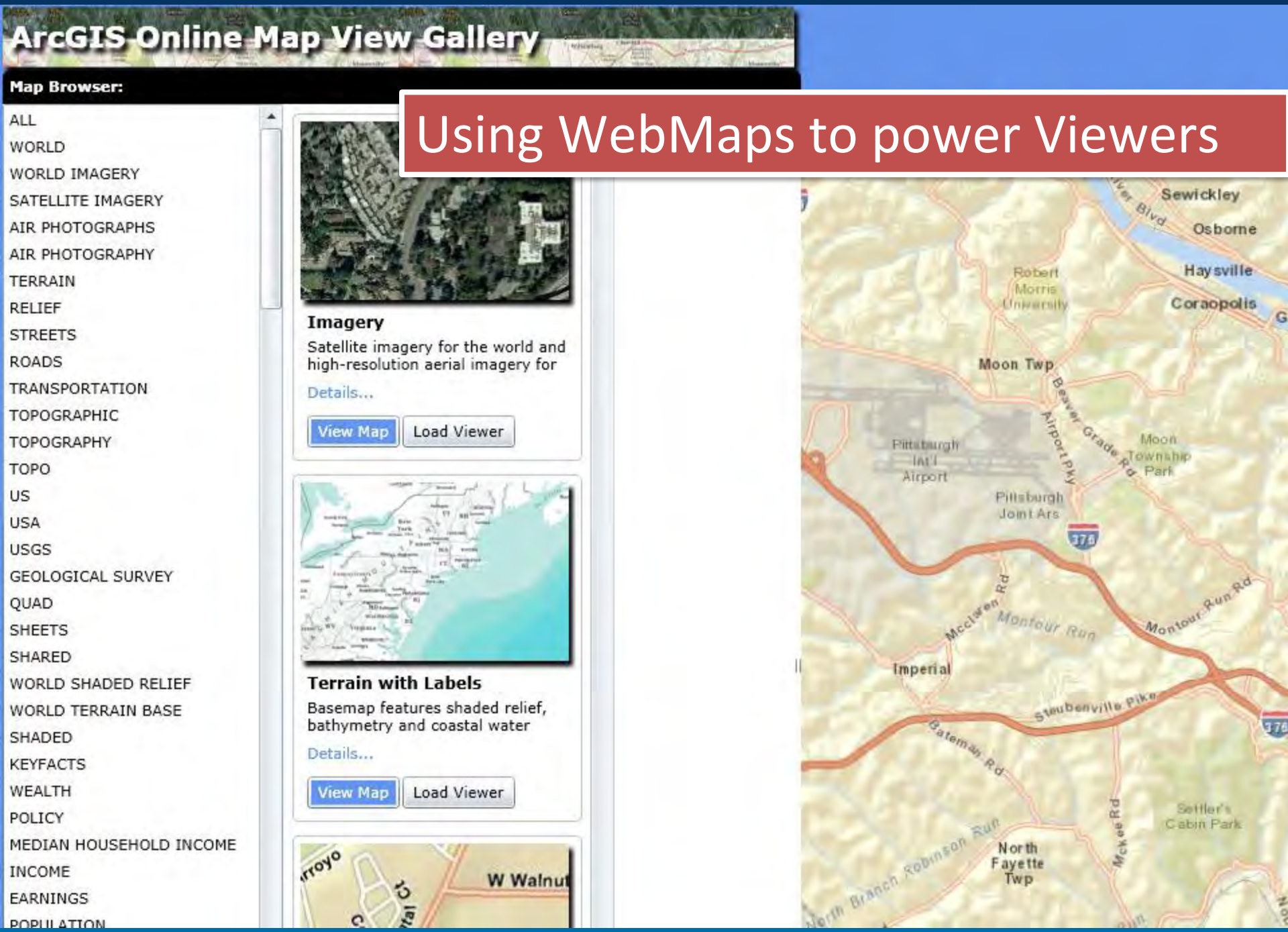
- Allow developers to easily build custom Web applications
  - ArcGIS API for JavaScript
  - ArcGIS API for Flex
  - ArcGIS API for Silverlight
- Built on a simple architecture
  - Use REST services endpoint
  - Web services based

- Choice depends on developer experience and style preference

ArcGIS Online Architecture for Developers

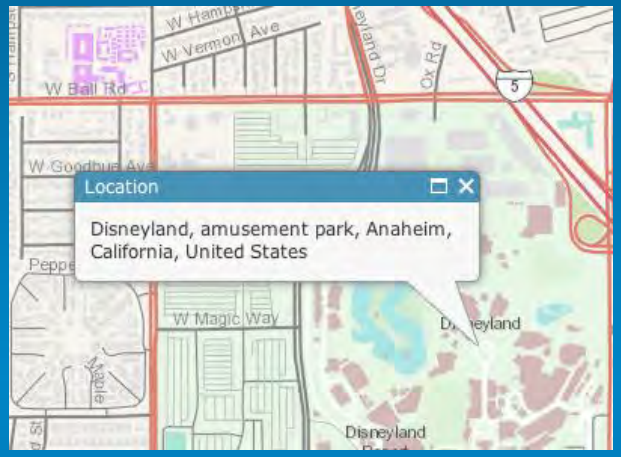


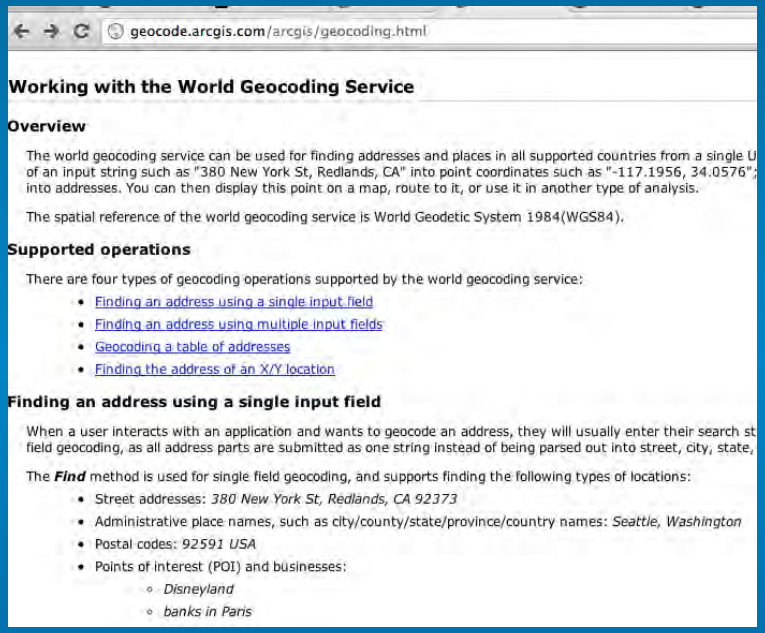
Using WebMaps to power Viewers



Tasks

- Place Finding
- Geocoding and Location analysis
- Routing and network analysis





Adding Items

- addItem
  - /sharing/rest/content/users/<userid>/addItem

  - Synchronous
  - Asynchronous
  - Multi-Part

- http://www.arcgis.com/apidocs/rest/?additem.html

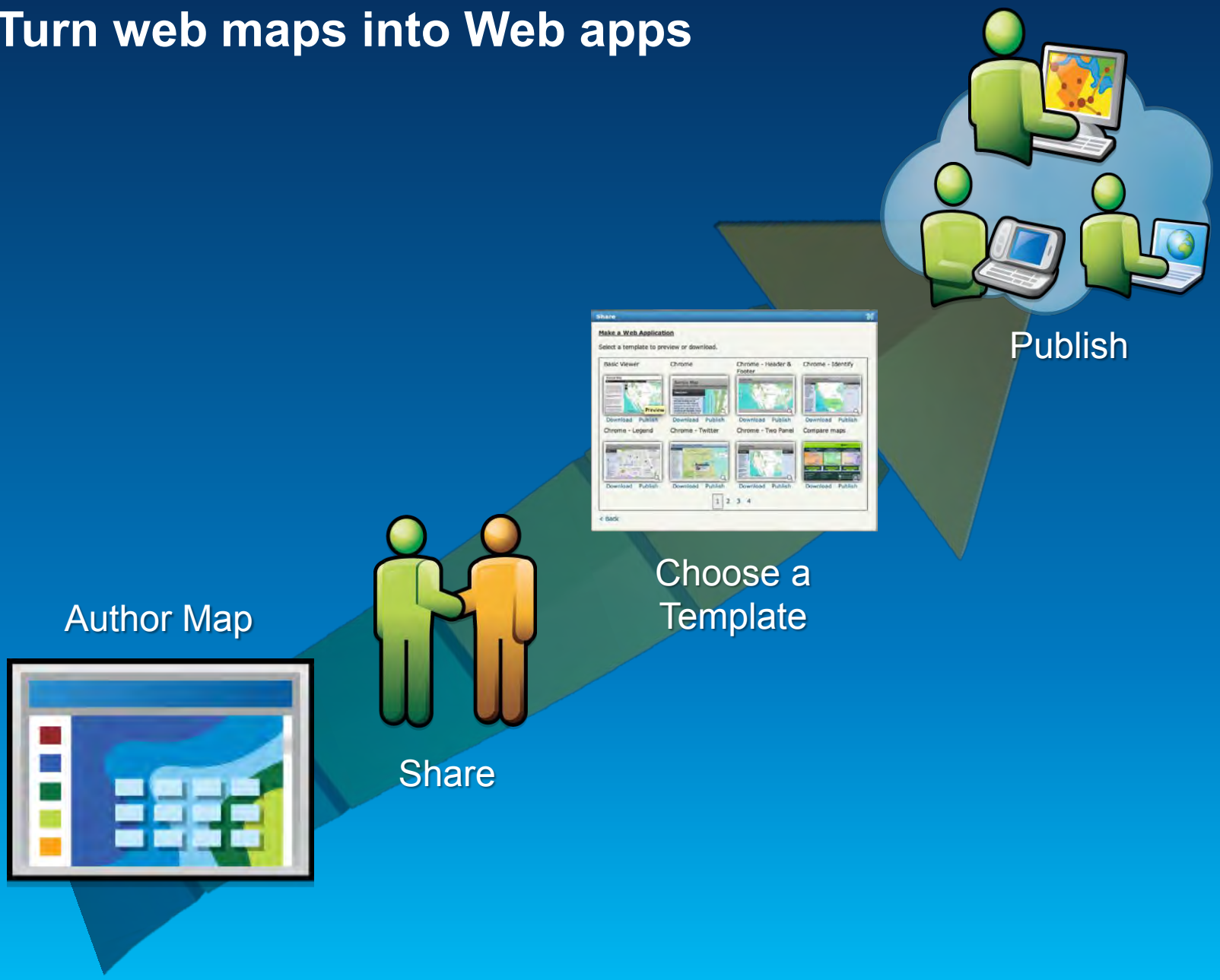
developers.arcgis.com/en/javascript/samples/portal_addshapefile/

Add a zipped shapefile to the map.

Visit the About Shapefiles help topic for information and limitations.

Add File

Turn web maps into Web apps



Used Everywhere

ARCGIS VIEWER FOR FLEX

Web Applications

Communities

Make a map online

An easy way to make a web map is to build it and share it online. Esri provides two options for doing this: the ArcGIS.com Map Viewer and ArcGIS Explorer Online.

Read more

Quick Links

Configurable Viewers

- ArcGIS Viewer for Flex
- ArcGIS Viewer for Silverlight
- ArcGIS for SharePoint

Web APIs

- ArcGIS API for JavaScript
- ArcGIS API for Flex
- ArcGIS API for Silverlight

Viewer and ArcGIS.com

- Viewer can take advantage of ArcGIS.com functionality
  - Handle authentication
    - Groups, roles, access
  - Maps
    - Base maps
    - Demographics maps
  - Services:
    - Geocoding
    - Routing
    - … and more

ArcGIS Viewer for Flex - Application Builder

My Applications

Sign In | Settings | Help

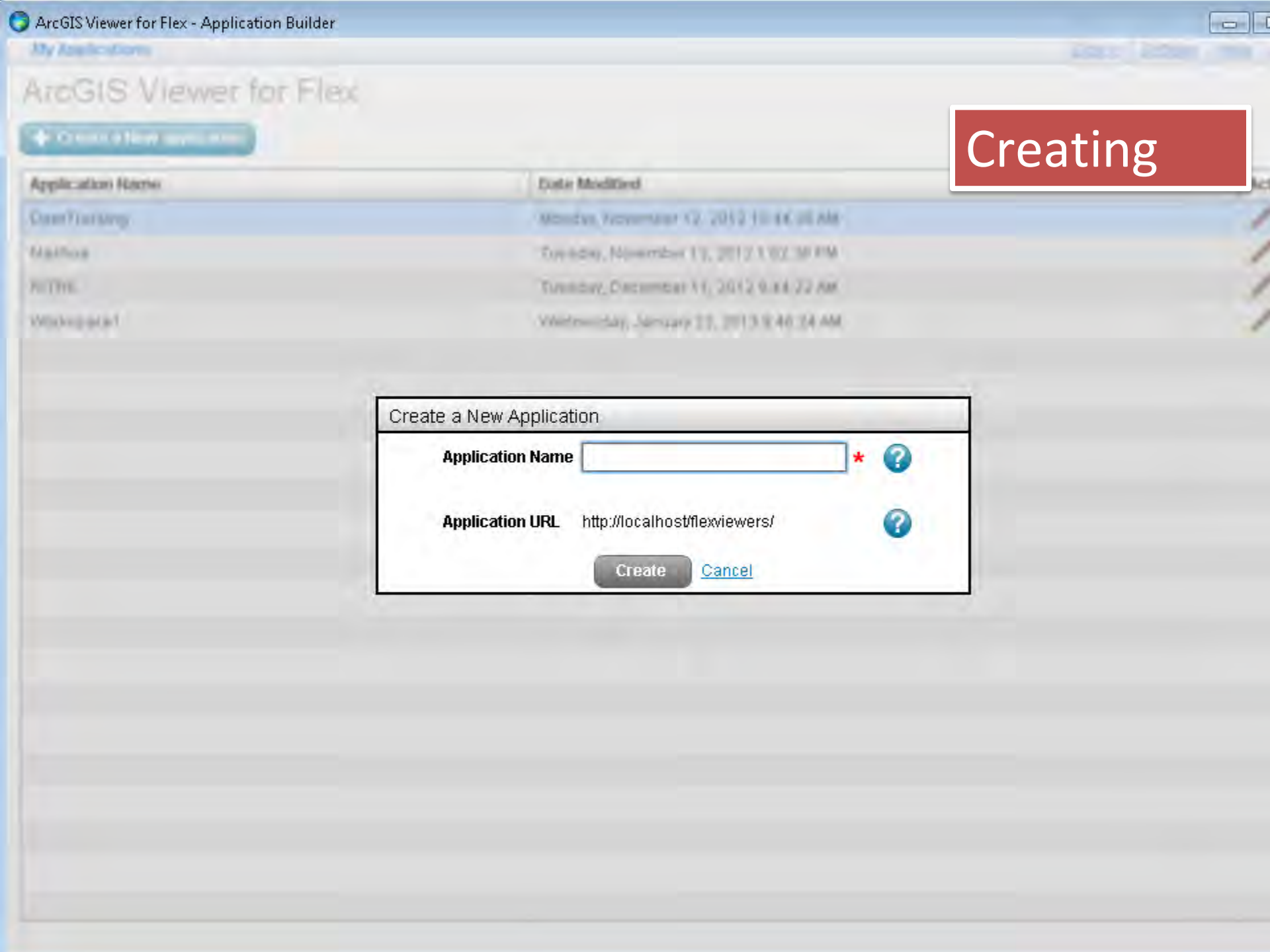
ArcGIS Viewer for Flex

Managing applications

Create a New application

Application Name	Date Modified	Ac
DeerTracking	Monday, November 12, 2012 10:44:38 AM	
Nashua	Tuesday, November 13, 2012 1:02:36 PM	
RITRE	Tuesday, December 11, 2012 9:44:22 AM	
Workspace1	Wednesday, January 23, 2013 9:46:24 AM	

Creating


ArcGIS Viewer for Flex - Application Builder
ArcGIS Viewer for Flex
Application Name
Date Modified
Create a New Application
Application Name
Application URL
http://localhost/flexviewers/
Create
Cancel

ArcGIS Viewer for Flex - Application Builder

MyApplications > **MA1**

Sign In | Settings | Help

Maps | Widgets | Layout | Design | Preview

Web Maps

or

Basemaps and Operational Layers

Signing in

ArcGIS Viewer for Flex - Application Builder

My Applications > MA1

Sign In | Settings | Help

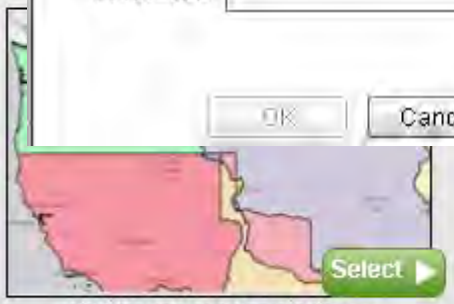
Maps | Widgets | Layout | Design | Preview

Web Maps Switch to Basemaps & Operational Layers

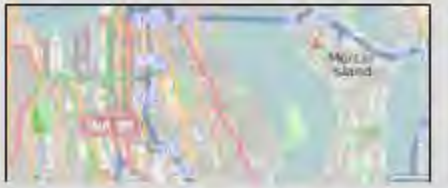
Featured Maps | Search | My Content

New Madrid (Missouri) Earthquake Bicentennial

US Northwest 1879



USA Territorial Acquisitions



Sign In

Please sign in to access resources on www.arcgis.com

Username *

Password *

OK | Cancel

Selected W

No web map currently selected.
Please select a web map to use in your applicati

☑ Add ArcGIS Online Basemaps

ArcGIS Viewer for Flex - Application Builder

My Applications > MA1

Samuel Berg | Sign Out | Settings | Help

Maps | Widgets | Layout | Design | Preview

Web Maps

Switch to Basemaps & Operational Layers

Featured Maps | Search | My Content

My Groups

My Maps

My Maps

145 maps

Map

No image available

Select

Maine Bacteria Temporal (demo)

Select

Massachusetts Conservation Assessment Input WebMap

Set as web map

Select

Meriden Parcels

Select

New York CCF Early Head Start Locations (demo)

Previous 1 ... 4 5 6 7 8 Next

Selected Web Map

No web map currently selected.
Please select a web map to use in your applicatio

Add ArcGIS Online Basemaps

ArcGIS Viewer for Flex - Application Builder

My Applications > **MA1**

Samuel Berg | Sign Out | Settings | Help

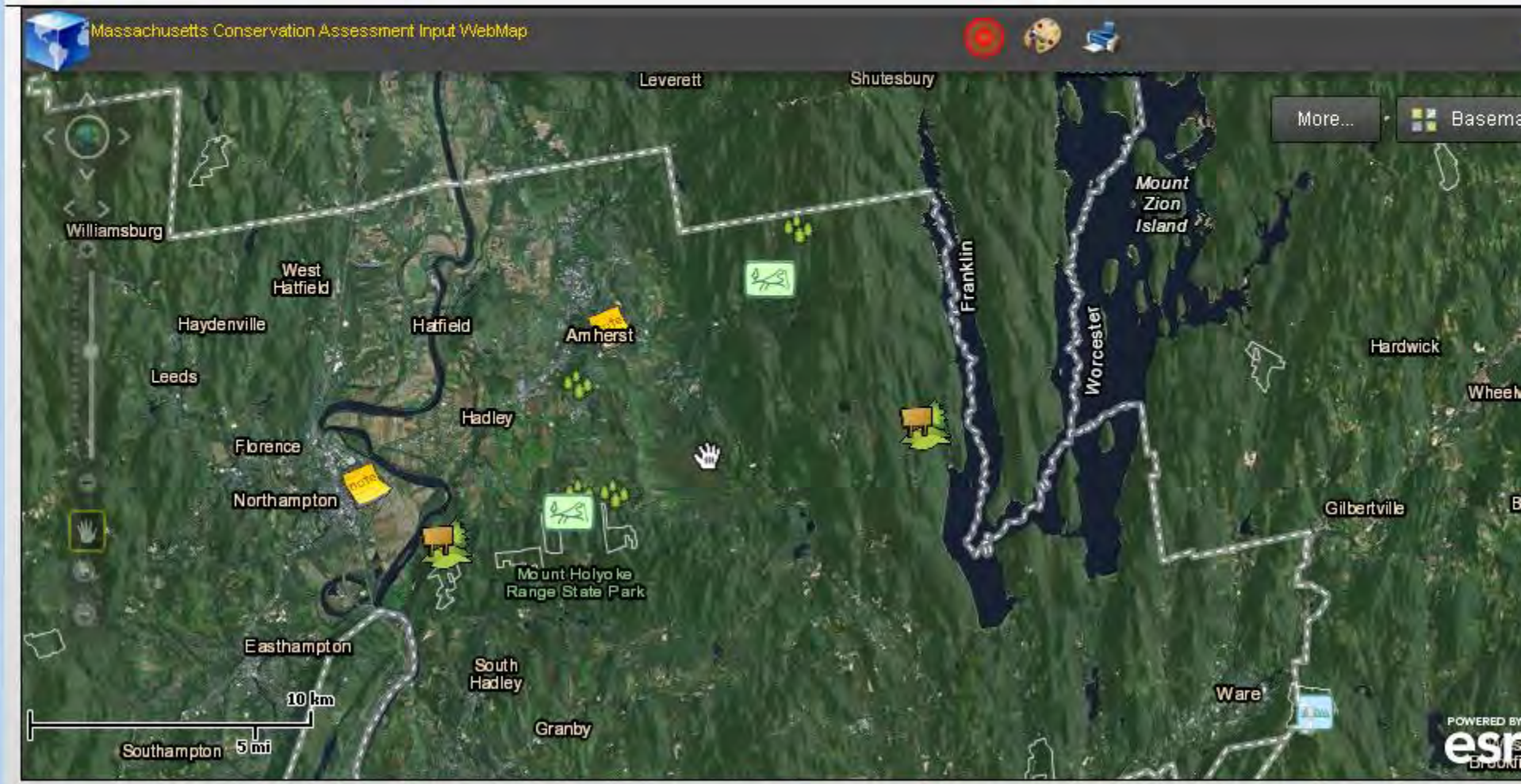
Maps | Widgets | Layout | Design | Preview

Below is an interactive preview of your application. Select other tabs to make changes.

Any changes, such as to the map extent or to widgets, will not be saved as part of the application.

Application Name: **MA1**

Application URL: http://localhost/flexviewers/MA1



Massachusetts Conservati

localhost/flexviewers/MA1/

Massachusetts Conservation Assessment Input WebMap

More...

Base

Deerfield

Sunderland

Leverett

Shutesbury

Hampshire

Franklin

West Hatfield

Hatfield

Amherst

Amherst College

Hadley

Florence

Hampshire College

Smith

5 km

3 mi

Conservation Assessment: Pelham Open Space

MODIFIEDDATE	4/29/2011 8:00 PM
NAME	Pelham Open Space
Description	50 acre plot
Type of Editor	1
Protection Condition	0
LINKURL	http://attitash:2110/sites/SBTEST1/Shared%20Documents/Forms/DispForm.aspx?ID=5

ArcGIS Viewer for Flex - Application Builder

My Applications > MA1

Samuel Berg | Sign Out | Settings | Help

Maps | Widgets | Layout | Design | Preview

Widgets

Catalog

Bookmark, Chart, Data Extract, Draw, Edit, Geoprocessing, GeoRSS, Layer List, Legend

Locator, Print, Query, Search, Time

Include

Widgets in this application (3)

Find an address, Draw and Measure, Print

Click, hold, and drag a widget to change the display order

Editing

ArcGIS Viewer for Flex - Application Builder

My Applications > MA1

Samuel Berg | Sign Out | Settings | Help

Maps | Widgets | Layout | Design | Preview

Below is an interactive preview of your application. Select other tabs to make changes.

Any changes, such as to the map extent or to widgets, will not be saved as part of the application.

Application Name: **MA1**

Application URL: http://localhost/flexviewers/MA1

Massachusetts Conservation Assessment Input WebMap

Edit

Select template to create feature

Massachusetts Conservation Assessn

Open Space

Private Conservation Easement

Public Holding

Attributes

Area Type: Open Space

MODIFIEDDATE

NAME

Description

More...

Granby

Ware

Brookfield

East Brookfield

Wells State Park

Fiskdale

Sturbridge

Worcester

Southbridge

Longmeadow

5 mi

POWERED BY esri

Massachusetts Conservati

ArcGIS - Massachusetts C

localhost/flexviewers/MA1/

Massachusetts Conservation Assessment Input WebMap

More...

Base

Edit

Select template to create feature

Massachusetts Conservation Assessn

Open Space

Private Conservation Easement

Public Holding

Attributes

Area Type: Open Space

MODIFIEDDATE: 4/29/2011

NAME: Pelham Open Space

Description: 50 acre plot

Delete

OK

Mount Holyoke Range State Park

5 km

3 mi

ArcGIS Viewer for Flex - Application Builder

My Applications > MA1

Samuel Berg | Sign Out | Settings | Help

Maps | Widgets | Layout | Design | Preview

Layouts

Viewer Header Placeholder

About Edit

Navigation On

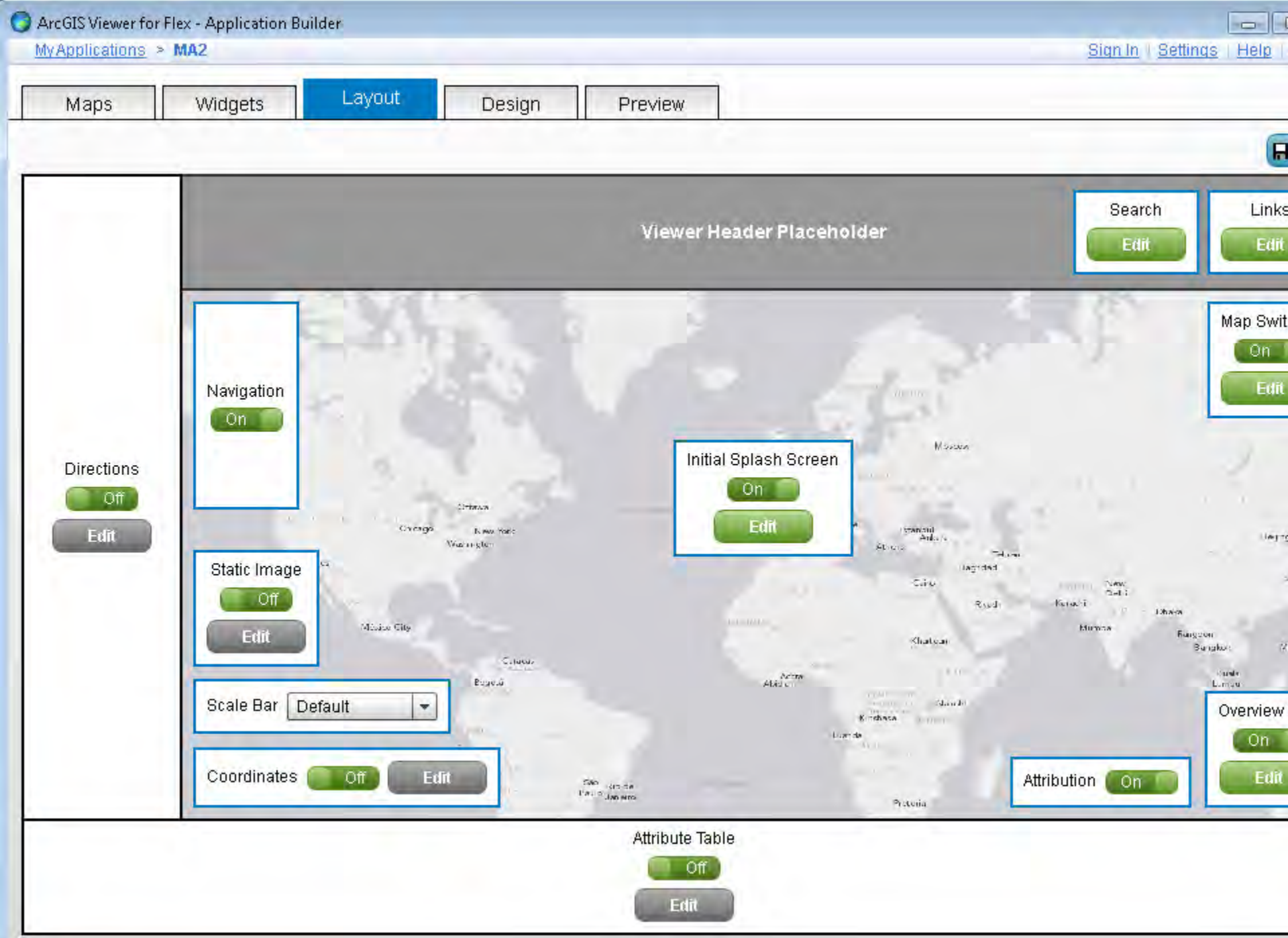
Initial Splash Screen On Edit

Map Swit On Edit

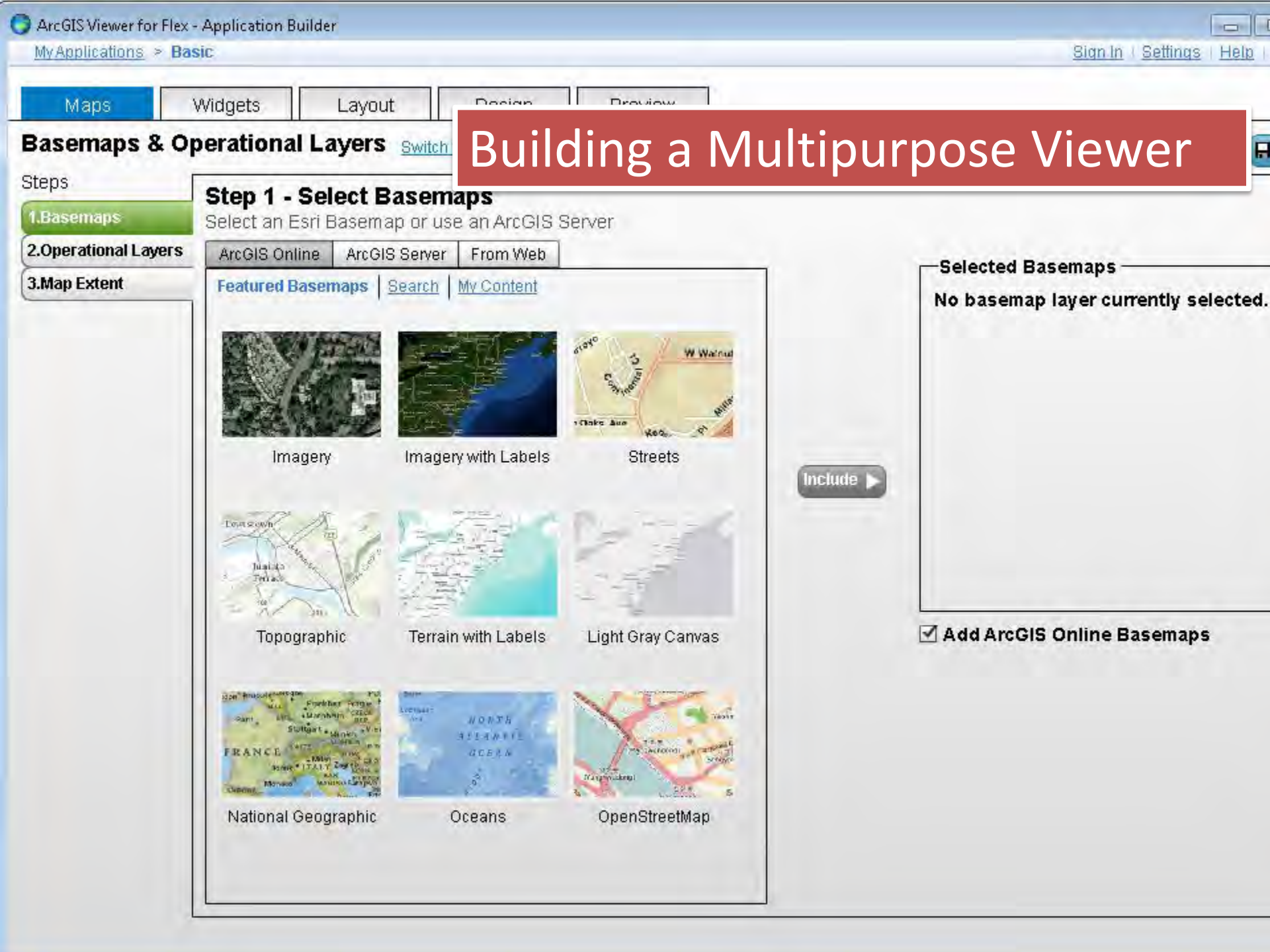
Static Image Off Edit

Coordinates Off Edit

Overview On Edit


ArcGIS Viewer for Flex - Application Builder
My Applications > MA2
Sign In | Settings | Help
Maps
Widgets
Layout
Design
Preview
Viewer Header Placeholder
Search
Edit
Links
Edit
Map Swit
On
Edit
Navigation
On
Initial Splash Screen
On
Edit
Directions
Off
Edit
Static Image
Off
Edit
Scale Bar
Default
Coordinates
Off
Edit
Attribution
On
Overview
On
Edit
Attribute Table
Off
Edit

Building a Multipurpose Viewer



ArcGIS Viewer for Flex - Application Builder

My Applications > Basic

Sign In | Settings | Help

Maps | Widgets | Layout | Design | Preview

Logo

Title & Fonts

Color Scheme

Drag and drop an image from the file system here
Supported file formats: png, jpg, gif.

or Browse...

esri northeast maps

Sudbury
Ottawa
Algonquin Provincial Park
Georgian Bay
Lake Huron
Owen Sound
Barrie
Toronto
Lake Ont
Hamilton
London
Buffalo
Sarnia
Detroit
Windsor
Lake Erie
Cleveland
300 km
200 mi

Libraries ▸ Pictures ▸ Sample Pictures

File Edit View Tools Help

Organize ▾ Share with ▾ Slide show Burn New folder

Favorites
Desktop
Downloads
Recent Places

Libraries
_Code
_Data
_Demos
Documents
Music
Pictures
Podcasts
Videos

Computer
Local Disk (C:)

Pictures library
Sample Pictures

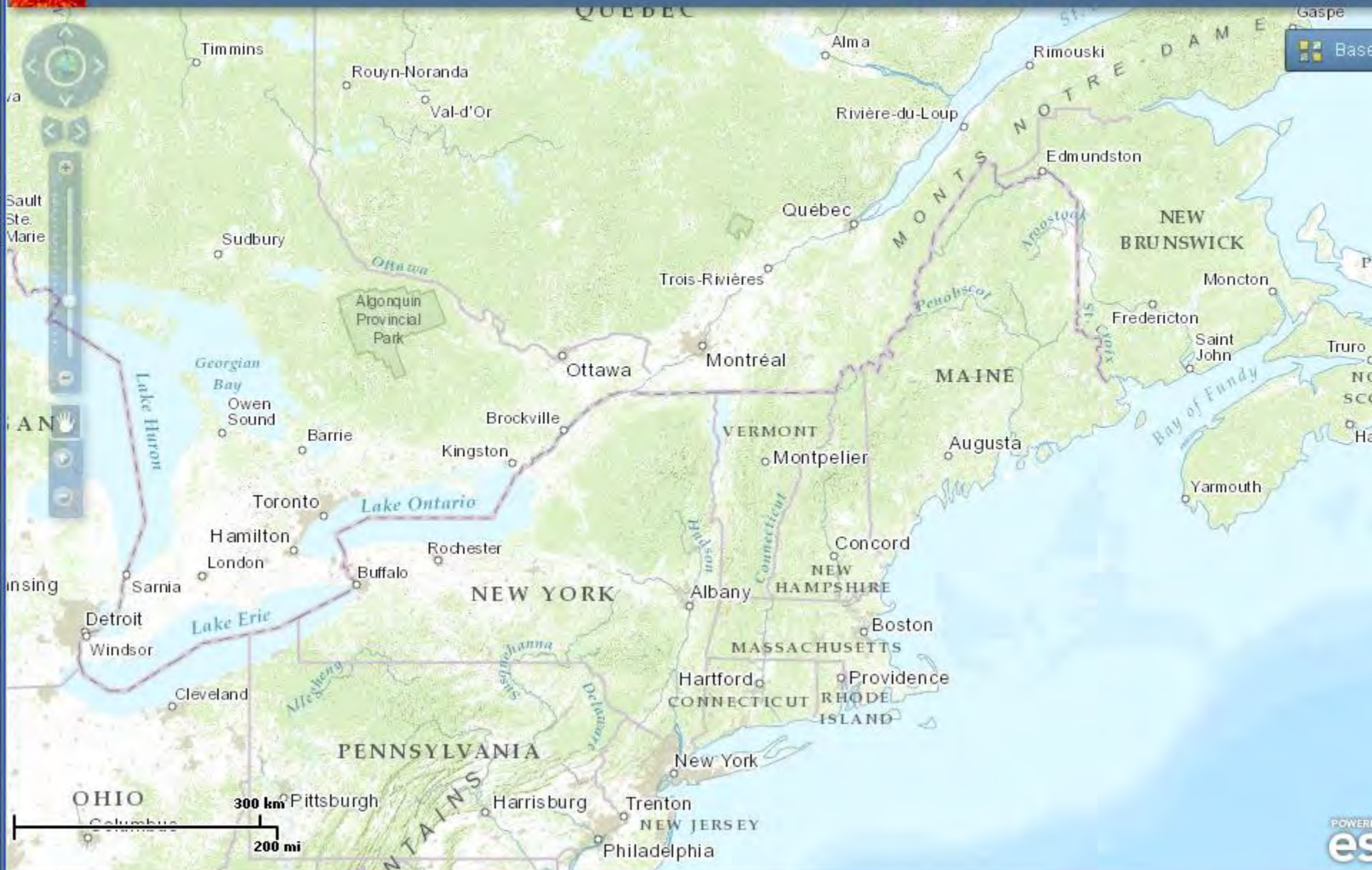
desktop.ini
Chrysanthemum.jpg
Desert.jpg
Hydra
Koala.jpg
Lighthouse.jpg
Penguins.jpg
Tul

Massachusetts Conservati

esri northeast maps

localhost/flexviewers/Basic/

esri northeast maps



Massachusetts Conservati

esri northeast maps

localhost/flexviewers/Basic/?itemid=2e487e0e57b04a5cb158f8fd2ace11ef

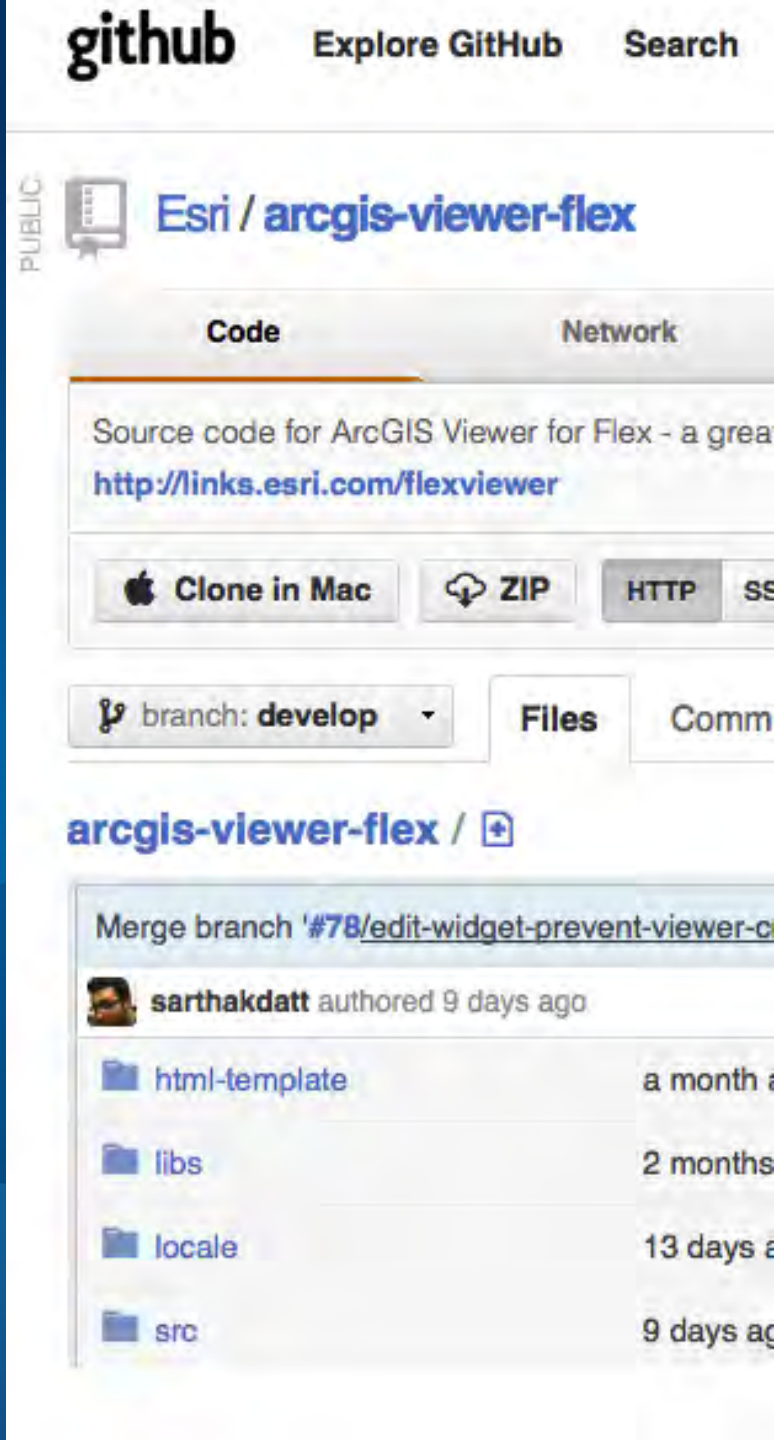
esri northeast maps

More...

Base

Sanford
Rochester
Concord
Dover
Portsmouth
Saratoga Springs
Manchester
Keene
Brattleboro
Nashua
Albany
Lowell
Gloucester
Gardner
Pittsfield
Boston
Worcester
Springfield
Brockton
Plymouth
Kingston
Providence
Hartford
Poughkeepsie
Windham
RHODE ISLAND
Fall River
Barnstable
MASSACHUSETTS
New Bedford
Waterbury
Norwich
Falmouth
Newburgh
Beacon
CONNECTICUT
etown
Danbury
New London
New Haven
50 km
Bridgeport
EY
50 mi
Stamford

Access Viewer source



ARCGIS VIEWER FOR SILVERLIGHT

Web Applications

Communities

Make a map online

An easy way to make a web map is to build it and share it online. Esri provides two options for doing this: the ArcGIS.com Map Viewer and ArcGIS Explorer Online.

Read more

Quick Links

Configurable Viewers

- ArcGIS Viewer for Flex
- ArcGIS Viewer for Silverlight
- ArcGIS for SharePoint

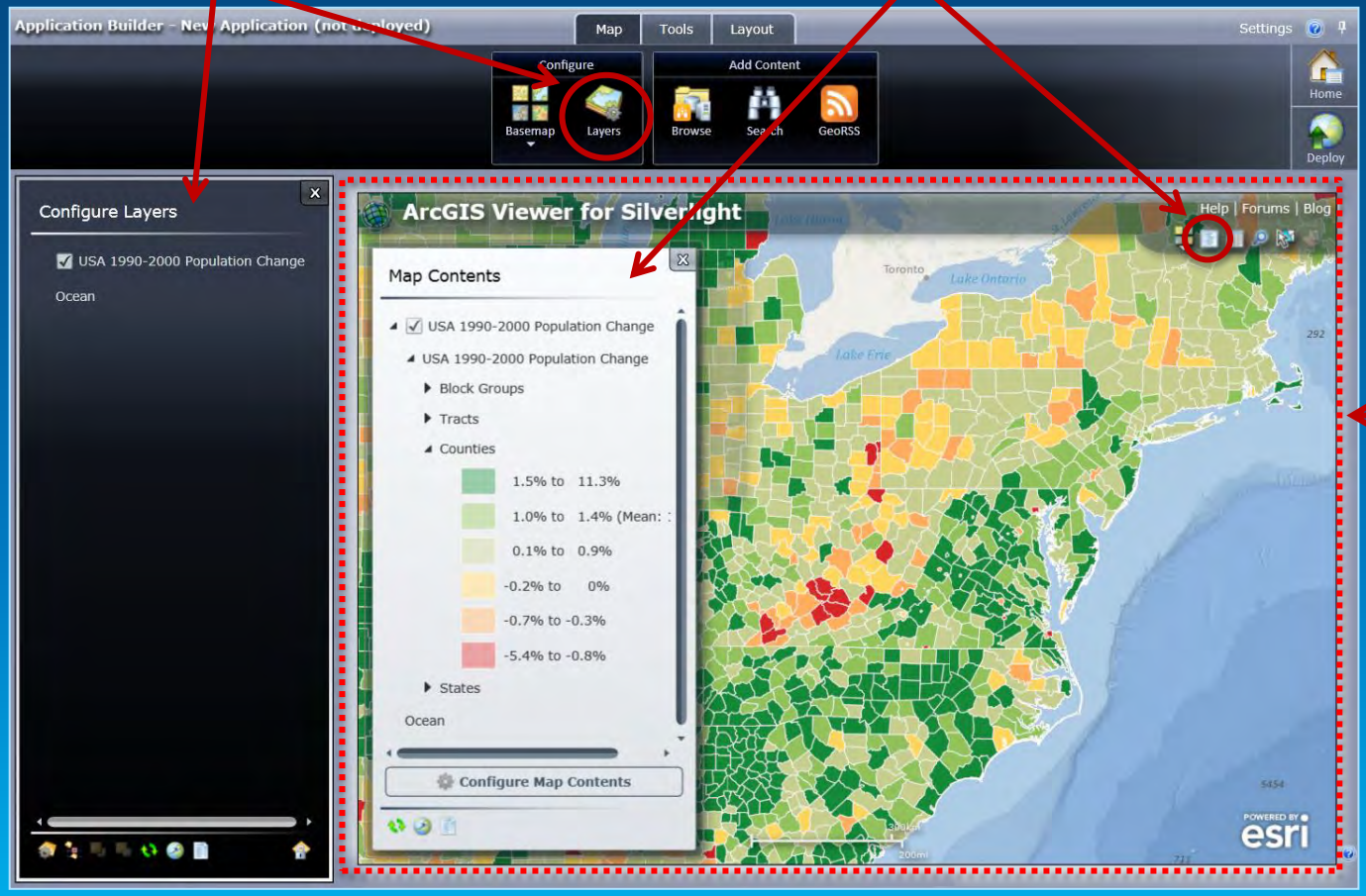
Web APIs

- ArcGIS API for JavaScript
- ArcGIS API for Flex
- ArcGIS API for Silverlight

Application Builder contains Viewer App

App Builder
layer management

Web App
table of contents



Web App
preview

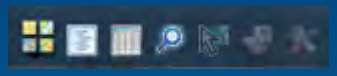
A

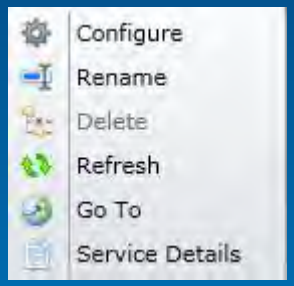
Add-Ins – Extensibility Points

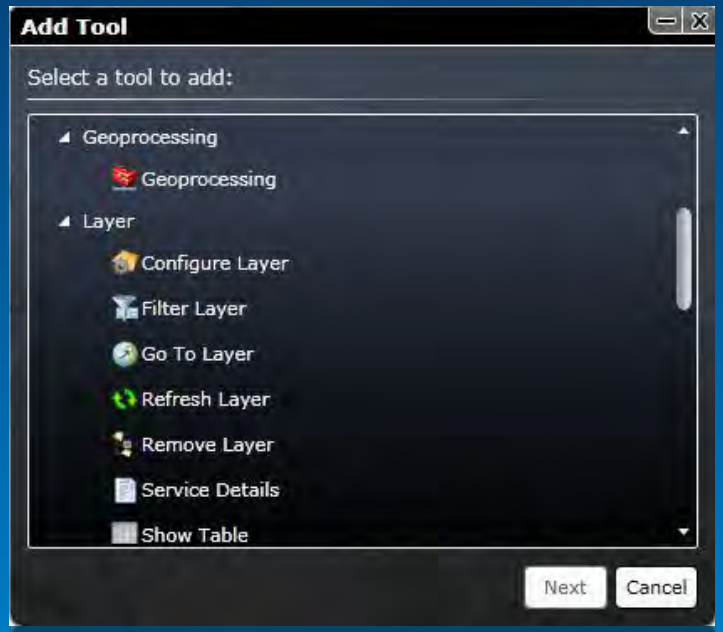
Several ways to customize:

1. Tools → functionality initiated by tool on toolbar
2. Behaviors → non-UI logic
3. Layouts → custom application "look and feel"
4. Controls → UI integrated into application

Tools




Configure
Rename
Delete
Refresh
Go To
Service Details

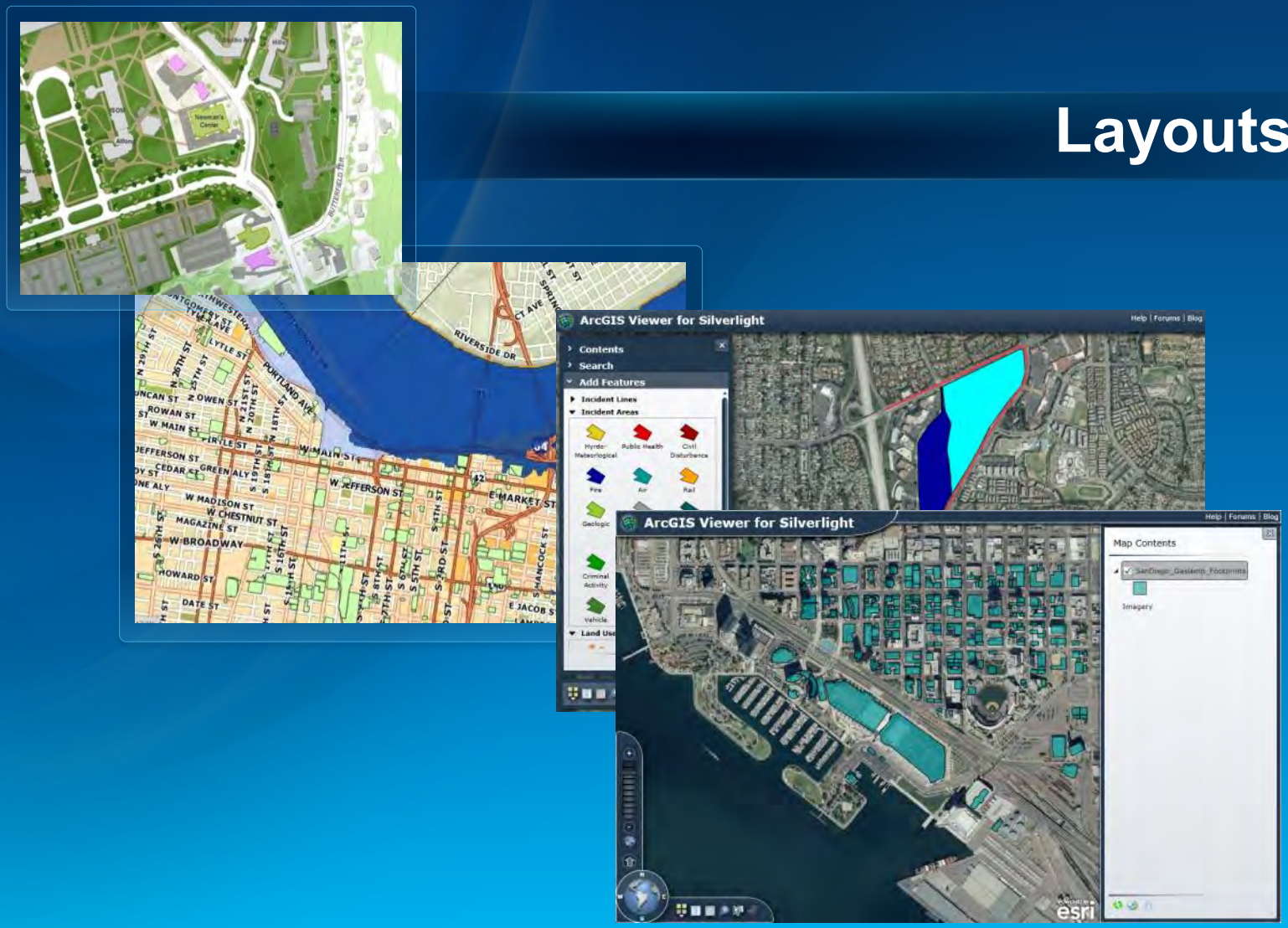

Add Tool
Select a tool to add:
Geoprocessing
Geoprocessing
Layer
Configure Layer
Filter Layer
Go To Layer
Refresh Layer
Remove Layer
Service Details
Show Table
Next
Cancel

Behaviors

-15481118.3484 , 3522582.5226

Add Behavior
Select a behavior
Mouse Events
Show Map Coordinates
Next

Layouts


ArcGIS Viewer for Silverlight
Help | Forums | Blog
Contents
Search
Add Features
Incident Lines
Incident Areas
Hydro-Meteorological
Public Health
Civil Disturbance
Fire
Air
Rail
Geologic
Criminal Activity
Vehicle
Land Use
ArcGIS Viewer for Silverlight
Help | Forums | Blog
Map Contents
Imagery
esri

ArcGIS Viewer for Silverlig | esri northeast maps | Esri Downloads

localhost/builder/

ArcGIS Viewer for Silverlight - Application Builder

Sign In | Sett

Create New Application

Builder

Current Viewer Applications

Name	URL
VermontAndRouting1	http://ATTITASH:80/Apps/VermontAndRouting1
DECD Viewer	http://ATTITASH:80/Apps/DECD Viewer
CityView Love Your...	http://ATTITASH:80/Apps/CityView Love Your Block Suggestions
Watershed	http://ATTITASH:80/Apps/Watershed
Naperville Parcels	http://ATTITASH:80/Apps/Naperville Parcels
NYSBridges	http://ATTITASH:80/Apps/NYSBridges

ArcGIS Viewer for Silverlig | esri northeast maps | Esri Downloads

localhost/builder/

Application Builder - Choose a Map

Web Maps

New Map

Topographic map which includes boundaries, cities, water features, physiographic features, parks, landmarks, transportation, and buildings.

Open

Web Maps

Featured Maps

USA Median Household Income

Web Map by esri (last modified: March 21, 2013)

This web map combines the USA median household income for the United States in 2010 with a reference overlay. The darker the green color, the higher the median household income.

Details Open

USA Weather Warnings

Web Map by user_community (last modified: June 6, 2012)

This map features the NOAA/National Weather Service current weather warnings/watches for the USA provided as a map service by the USGS Natural Hazards Support System (NHSS).

Details Open

Landsat Time Enabled Imagery

Web Map by esri (last modified: June 15, 2012)

This is a map of the time enabled Landsat services and can be used to explore change over time in web browsers

Details Open

USA Imagery Map

Web Map by esri (last modified: June 15, 2012)

This map presents nationwide imagery for the United States down to 1m or better resolution assembled from a variety of governmental and commercial sources.

Details Open

FEMA 100 Year Flood Zones in the U.S.A

Relationship of unemployment to population change

Recent | Featured Maps | Search

Signing in

ArcGIS Viewer for Silverlig | esri northeast maps | Esri Downloads

localhost/builder/

Application Builder - Choose a Map

New Map

Topographic map which includes boundaries, cities, water features, physiographic features, parks, landmarks, transportation, and buildings.

Open

Web Maps

Featured Maps

Sign In

Sign in to ArcGIS Online

Username:

Password:

Cancel | Sign In

USA Median Household Income

Web Map by esri (last modified: March 21, 2013)

This web map combines th household income for the 2010 with a reference over green color, the higher the income.

Details Open

d: June 6, 2012)

res the NOAA/National Weather weather warnings/watches for led as a map service by the Hazards Support System

Details Open

Landsat Time Enabled Imagery

Web Map by esri (last modified: June 15, 2012)

This is a map of the time enabled Landsat services and can be used to explore change over time in web browsers

Details Open

USA Imagery Map

Web Map by esri (last modified: June 15, 2012)

This map presents nationwide imagery for the United States down to 1m or better resolution assembled from a variety of governmental and commercial sources.

Details Open

FEMA 100 Year Flood Zones in the U.S.A

Relationship of unemployment to population change

Recent | Featured Maps | Search

ArcGIS Viewer for Silverlig | esri northeast maps | Esri Downloads

localhost/builder/

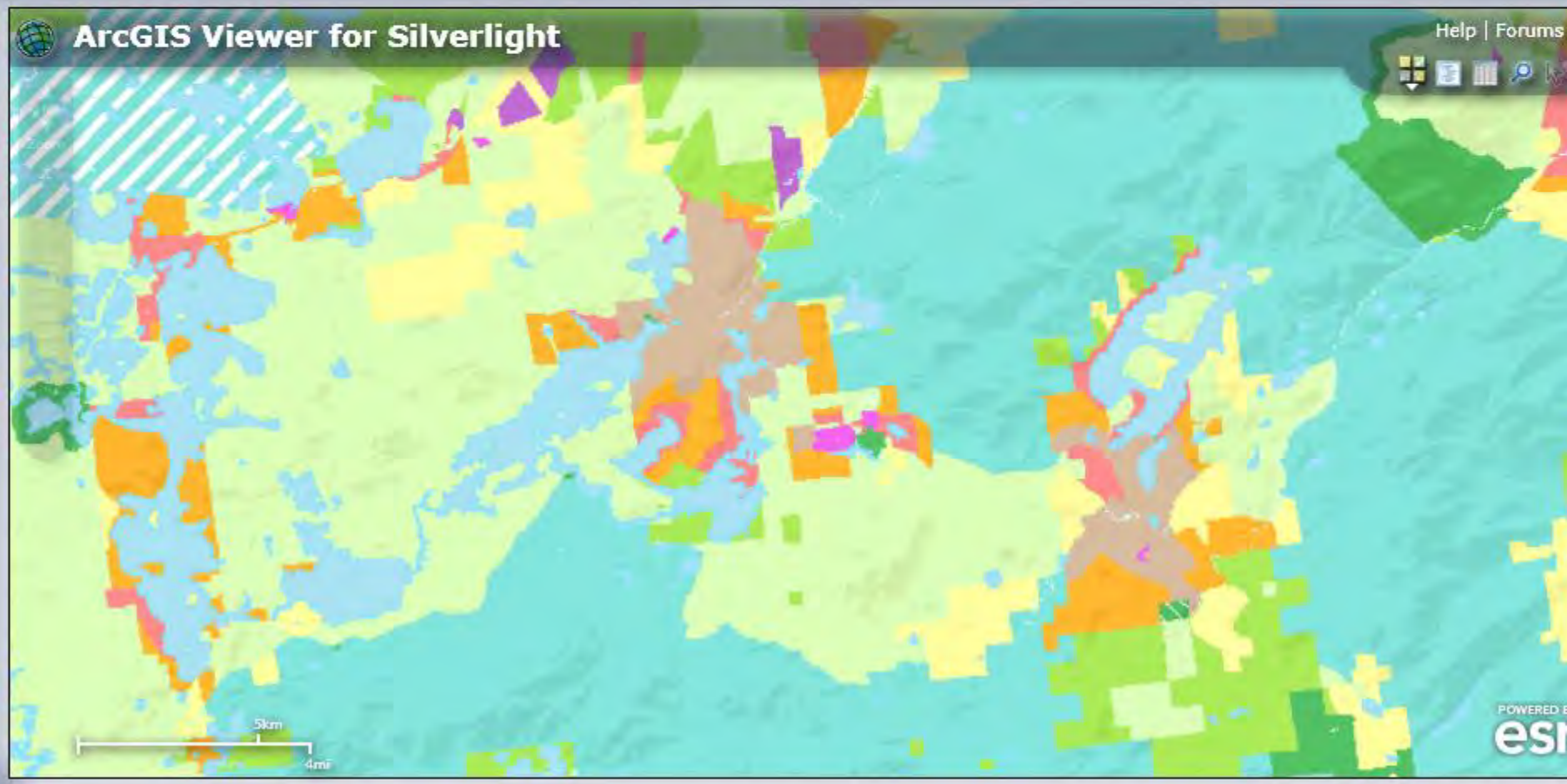
Application Builder – New Application (not deployed)

Map | Tools | Layout

Samuel Berg | Settings

Map configuration for this application is linked to a web map. To edit the map configuration, unlink the application from the web map.

Linked to Web Map:
ADK Land and Water *Unlink*



ArcGIS Viewer for Silverlig

localhost/builder/

Application Builder – New Application (not deployed)

Map | Tools | Layout

Samuel Berg | Settings

Map configuration for this application is linked to a map. To edit the map configuration, unlink the application from the web map.

Linked to Web Map:
ADK Land and Water *Unlink*

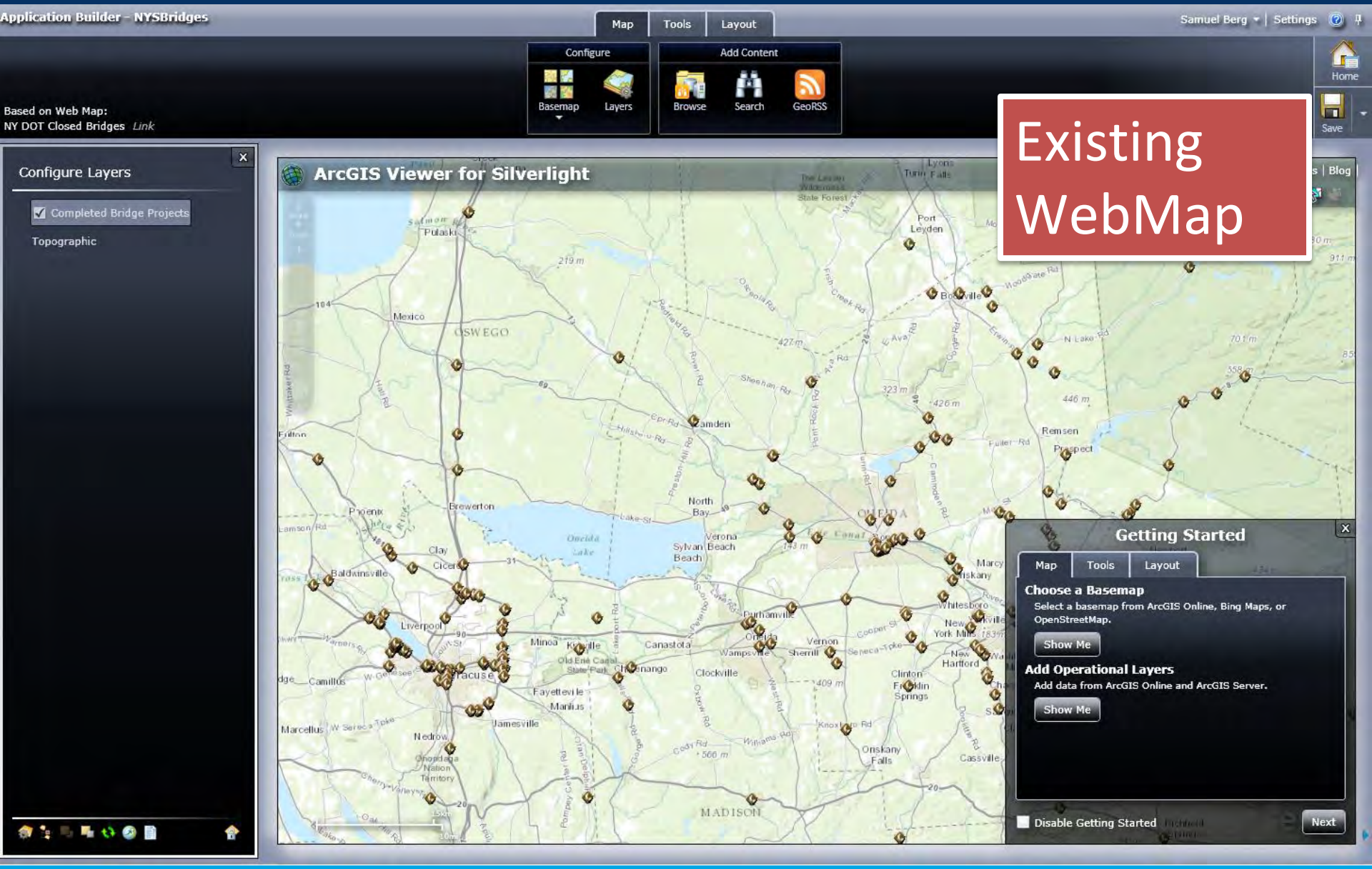
Powered by WebMap configuration

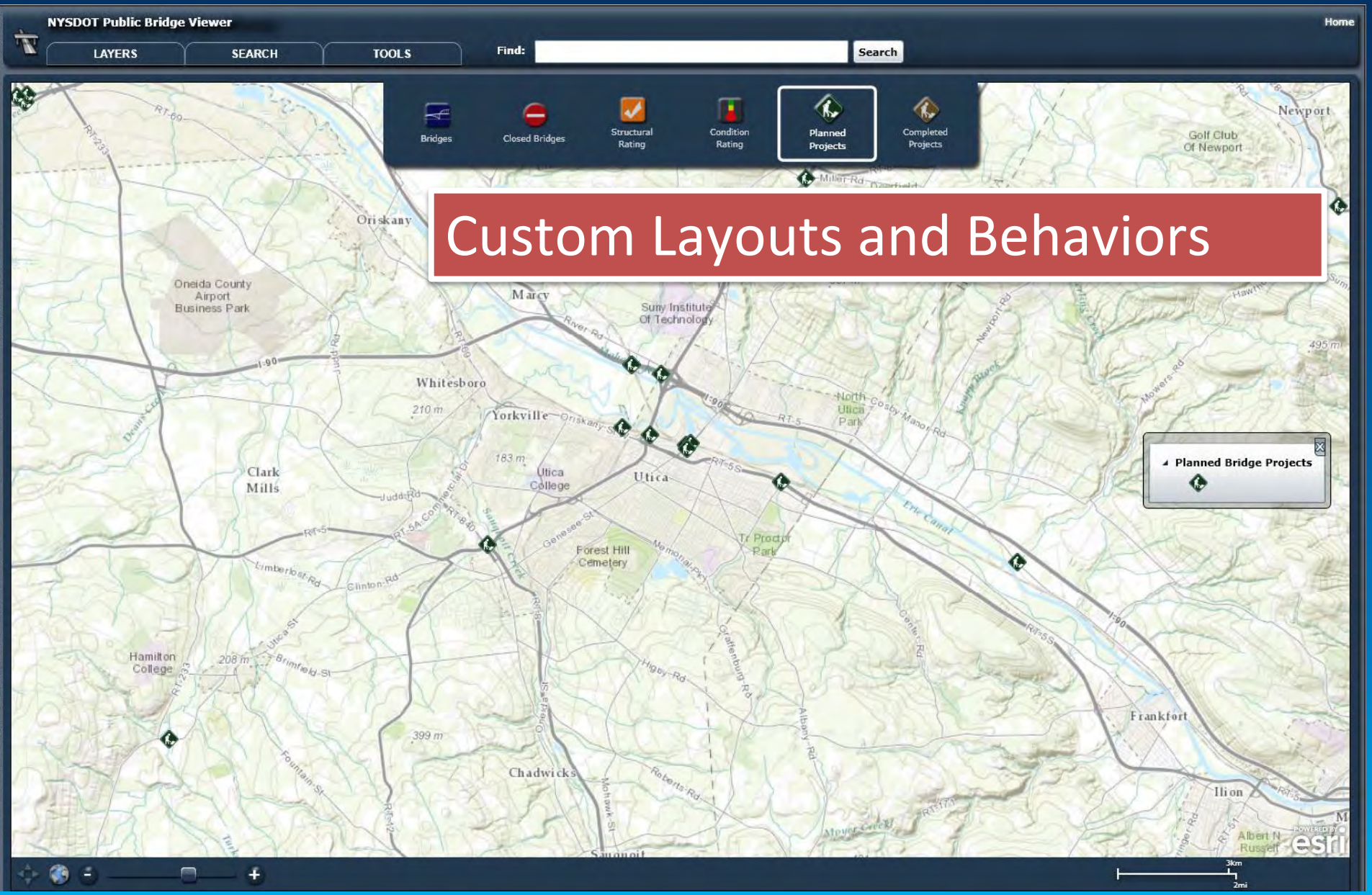
ArcGIS Viewer for Silverlight

Forums

Adirondack Park Land Class:...

Area ID	15116
Town Village ID	61
LCCD	10


Application Builder – NYSBridges
Map
Tools
Layout
Samuel Berg
Settings
Configure
Basemap
Layers
Add Content
Browse
Search
GeoRSS
Home
Save
Based on Web Map:
NY DOT Closed Bridges Link
Configure Layers
Completed Bridge Projects
Topographic
ArcGIS Viewer for Silverlight
Existing WebMap
Getting Started
Map
Tools
Layout
Choose a Basemap
Select a basemap from ArcGIS Online, Bing Maps, or OpenStreetMap.
Show Me
Add Operational Layers
Add data from ArcGIS Online and ArcGIS Server.
Show Me
Disable Getting Started
Next



Custom Layouts and Behaviors

ARCGIS FOR SHAREPOINT

Web Applications

Communities

Make a map online

An easy way to make a web map is to build it and share it online. Esri provides two options for doing this: the ArcGIS.com Map Viewer and ArcGIS Explorer Online.

Read more

Quick Links

Configurable Viewers

- ArcGIS Viewer for Flex
- ArcGIS Viewer for Silverlight
- ArcGIS for SharePoint

Web APIs

- ArcGIS API for JavaScript
- ArcGIS API for Flex
- ArcGIS API for Silverlight

ArcGIS for SharePoint - Home - Google Chrome

esri.msftlabs.com/sites/sberg/SitePages/Home.aspx

Site Actions | Browse | Page | i:0#.f|sqlmembers|sam berg

ArcGIS for SharePoint ▸ Home

I Like It

Home | Harvard Site | Store Promotion Demo | Worksite | PADCNR | DelDOT Crash Data | Search this site...

Libraries
- Site Pages
- Shared Documents

Lists
- Calendar
- Tasks
- ProjectTasks1
- Random People Table
- Locations
- Harvard Building List
- MailingList

Recycle Bin

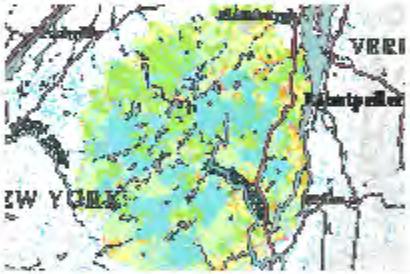
All Site Content

Main Site Pages

Name	Description	Thumbnail

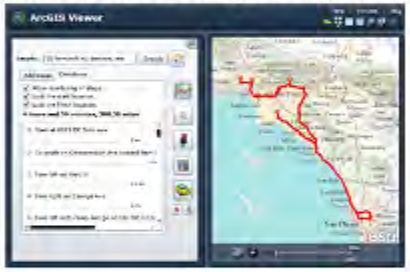
ADKMap

Identifiable Adirondack Land and Water Areas plus NDVI Imagery overlays. Embedded from ArcGIS Online.



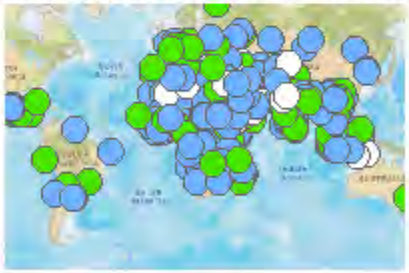
RouteMe

Provides provides basic geocoding and routing capabilities.



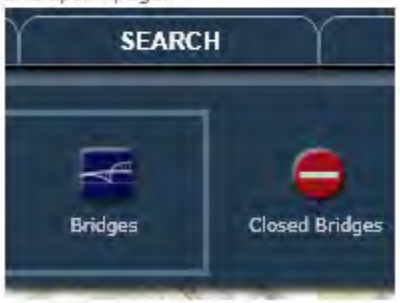
People Map

A Geocoded Sharepoint List of Random People in an ArcGIS map.



NYS DOT Bridge Viewer

Example of embedding a full ArcGIS for Silverlight Viewer within a Sharepoint page.



Calendar Map

Worksite1

HarvardBuildingsList - All | Harvard Dashboard | Cambridge Tax Parcels (d

esrinortheast.maps.arcgis.com/home/webmap/viewer.html?webmap=24fd21016f2846ee9f78aacc12935

HOME

Cambridge Tax Parcels (demo)

New Map | My Co

Details | Add | Bookmarks

Cambridge Tax Parcels (dem

Web Map by samuelberg
Last Modified: May 8, 2013
(0 ratings, 0 comments, 65 views)

More Details...

Make your own map
Add to this map
Make a new map

Share

Embed in Website

Copy and paste HTML to embed in website

```
<iframe width="500" height="400" frameborder="0" scrolling="no" marginheight="0" marginwidth="0"
src="http://esrinortheast.maps.arcgis.com/home/webmap/embedViewer.html?webmap=24fd21016f2846ee9f78aacc12935da88&amp;extent=-71.1224,42.3738,-71.1028,42.3825"></iframe><br /><small><a
href="http://esrinortheast.maps.arcgis.com/home/webmap/viewer.html?webmap=24fd21016f2846ee9f78aacc12935da88&amp;extent=-71.1224,42.3738,-71.1028,42.3825" style="color:#0000FF;text-align:left" target="_blank">View Larger Map</a></small>
```

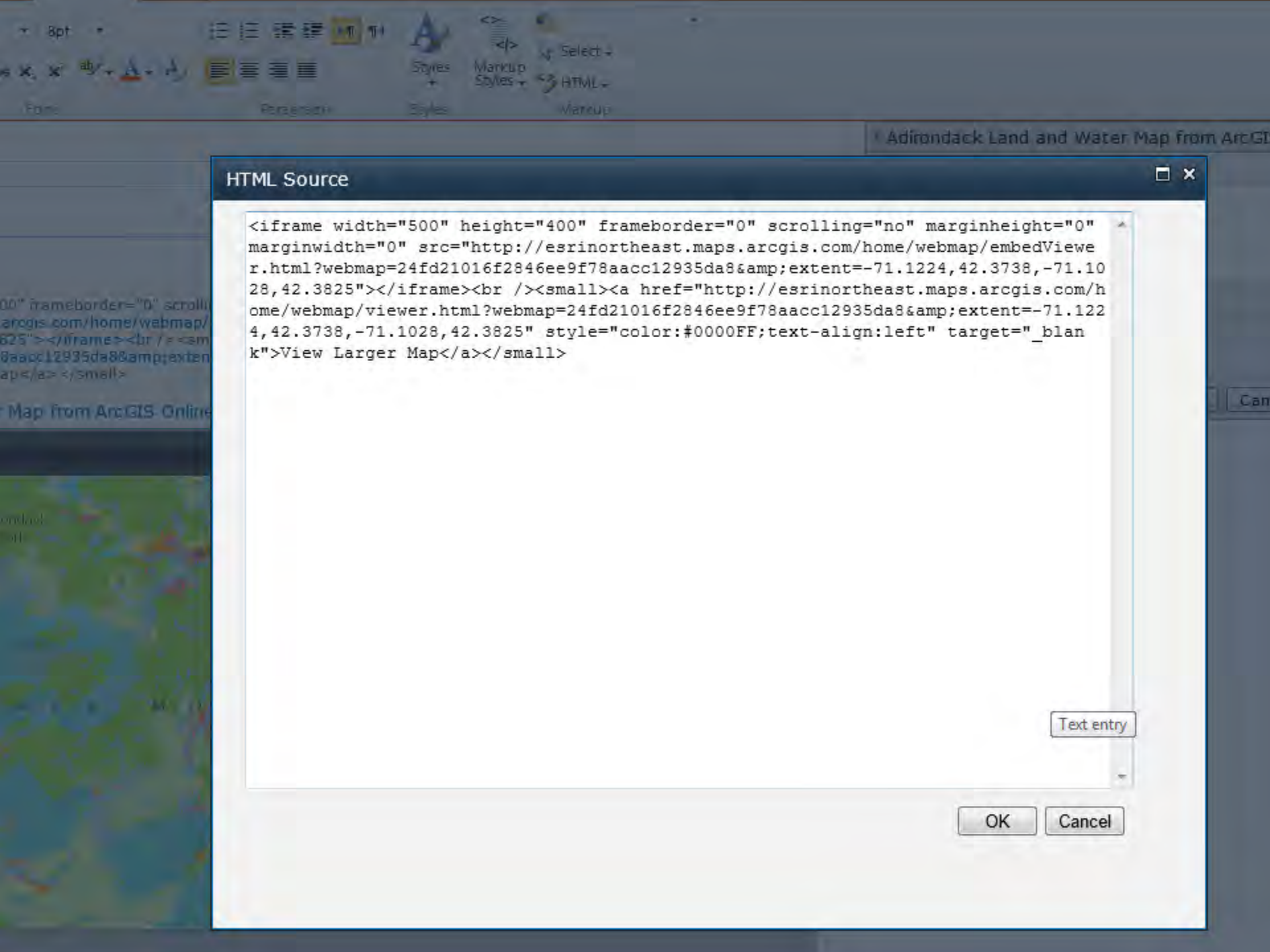
- ○ Small 300x260
- ◉ Medium 500x400
- ○ Large 940x600
- ○ Custom Width 500 Height 400

- ☐ Show zoom control.
- ☐ Show scale bar.
- ☐ Show legend.
- ☐ Show description.
- ☐ Show location search.
- ☐ Show basemap selector.
- ☑ View Larger Map

< Back

Close

Esri.com . Terms of Use . Privacy . Contact Us . Report Abuse


Adirondack Land and Water Map from ArcGI
HTML Source
<iframe width="500" height="400" frameborder="0" scrolling="no" marginheight="0" marginwidth="0" src="http://esrinortheast.maps.arcgis.com/home/webmap/embedViewer.html?webmap=24fd21016f2846ee9f78aacc12935da8&extent=-71.1224,42.3738,-71.1028,42.3825"></iframe>
<small>View Larger Map</small>
Text entry
OK
Cancel

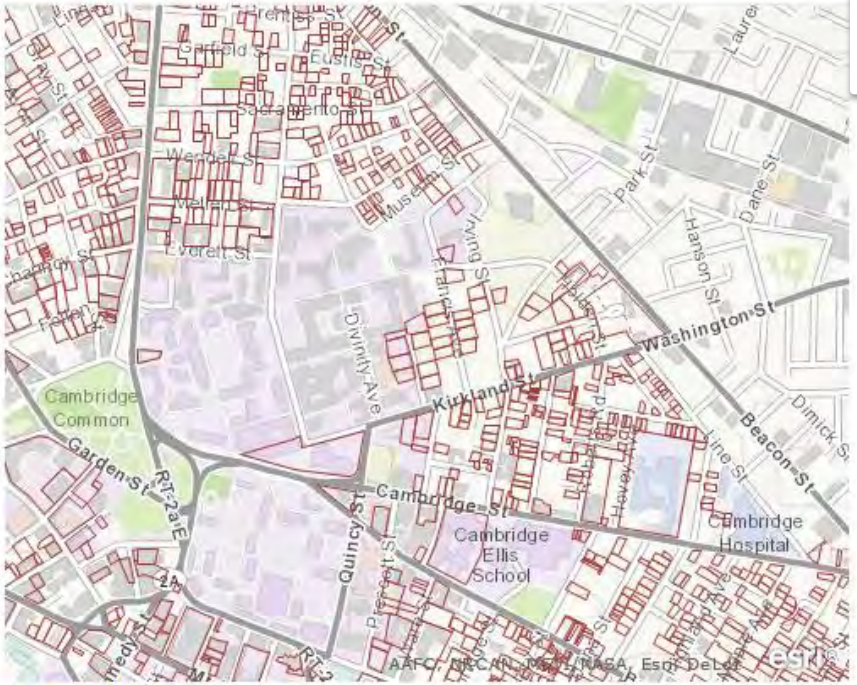
Sharepoint for simple content management

Clipboard Font Paragraph Styles Markup

Full Page

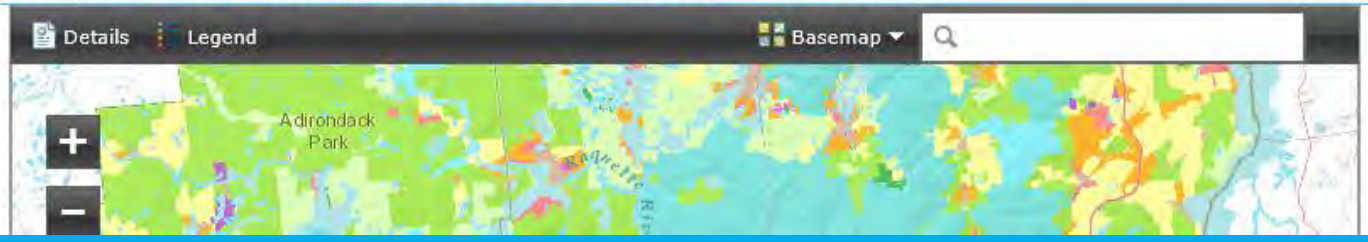
Add a Web Part

Content Editor



View Larger Map

Adirondack Land and Water Map from ArcGIS Online - Click Map for More Information



Adirondack Land and Water Map from A

Content Editor

URL.

OK

ADKMap - Google Chrome

esri.msftlabs.com/sites/sberg/SitePages/ADKMap.aspx

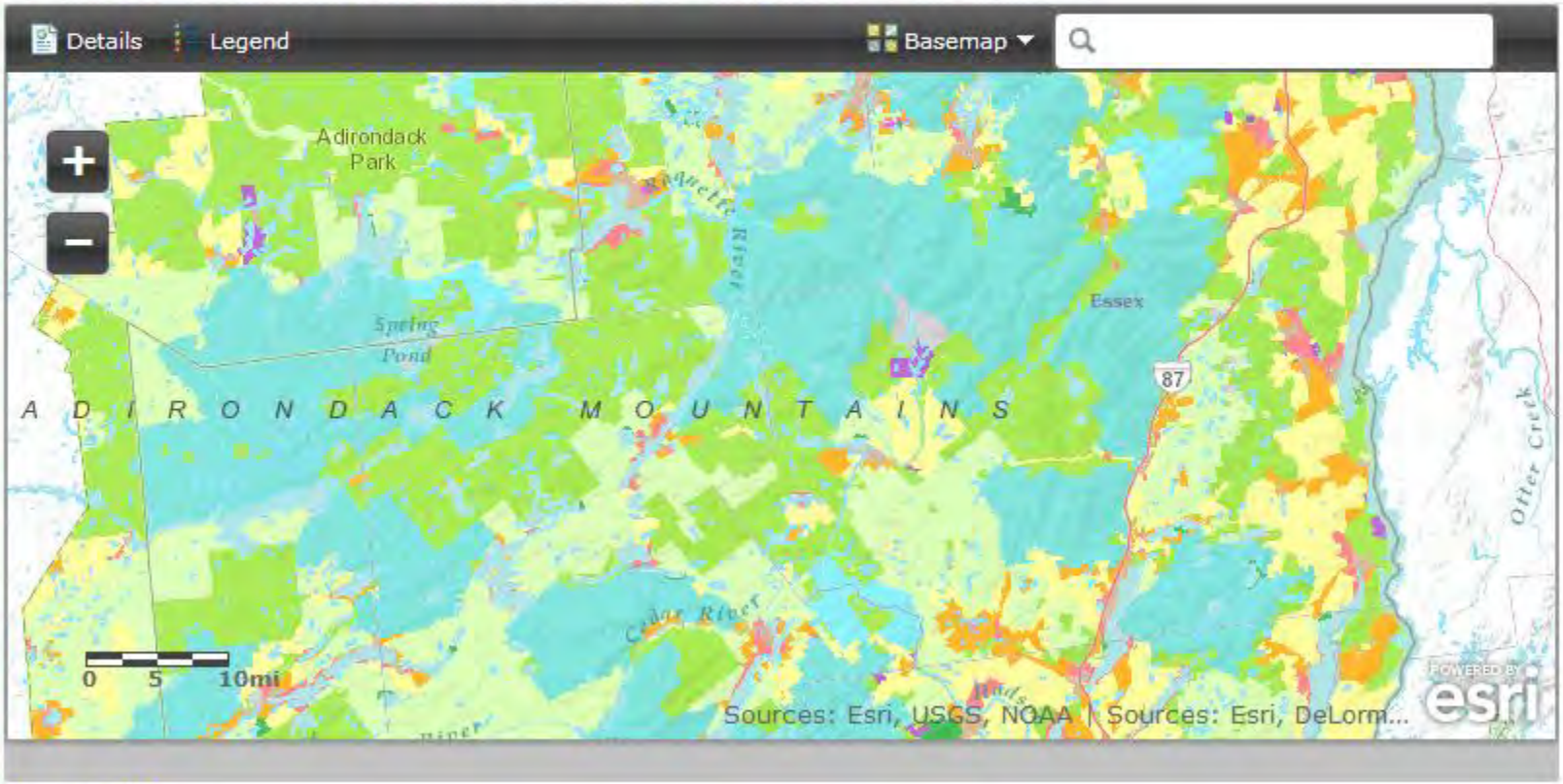
Site Actions | Browse | Page | i:0#.f|sqlmembers|sam berg

ArcGIS for SharePoint ▸
ADKMap

I Like It

Home | Harvard Site | Store Promotion Demo | Worksite | PADCNR | DelDOT Crash Data | Search this site...

Adirondack Land and Water Map from ArcGIS Online - Click Map for More Information



View Larger Map

Geocoded Lists

HarvardBuildingsList - All

esri.msftlabs.com/sites/sberg/HarvardSite/Lists/HarvardBuildingsList/AllItems.aspx

Site Actions | Browse | List Tools: Items, List | i:0#.f|sqlmembers|sam berg

Harvard Site ▸ HarvardBuildingsList ▸ All Items

Home | Search this site...

Libraries
- Site Pages
- Shared Documents
- Harvard Document List

Lists
- Calendar
- Tasks
- LocationsHarvard
- HarvardBuildingsList

Discussions
- Team Discussion

- Recycle Bin
- All Site Content

Title	Street	City	Zip	Information	State
Adolphus Busch Hall	27 Kirkland Street	Cambridge		http://en.wikipedia.org/wiki/Adolphus_Busch_Hall	MA
Arthur M. Sackler Museum	485 Broadway	Cambridge		http://en.wikipedia.org/wiki/Arthur_M._Sackler_Museum	MA
Beck-Warren	1 Prescott Street	Cambridge		http://en.wikipedia.org/wiki/Beck-Warren_House	MA

ArcGIS Location

View

Edit Item | Version History | Manage Permissions | Delete Item | Manage

Check Out | Alert Me | Manage Copies | Workflows | Actions

Name	ArcGIS for Sharepoint-Harvard
Title	ArcGIS for Sharepoint
Place	Redlands, CA
ArcGIS Location	
ShapeX	-117.182537217
ShapeY	34.055566969
Description	Basic Overview

Created at 5/16/2012 12:27 PM by i:0#.f|sqlmembers|sam berg

Close

HarvardBuildingsList - All | Harvard Dashboard

esri.msftlabs.com/sites/sberg/HarvardSite/SitePages/Harvard%20Dashboard.aspx

Site Actions | Browse | Page | i:0#.f|sqlmembers|sam berg

Harvard Site ▸
HarvardDashboard

I Like It

Home | Search this site...

Untitled

HARVARD UNIVERSITY

Harvard Gazette News

Harvard Gazette

- Mourning that vexes the future
- Innovation in the arts
- Putting local youth to work
- 'Gangnam Style' by the Yard
- Students win BSC's Barrett Award

ArcGIS Map Web Part

Harvard Building List - University Hall - Google Chrome

esri.msftlabs.com/sites/sberg/Lists/Harvard%20Building%20List/DispForm.aspx?ID=17

Site Actions | Browse | View | i:0#.f|sqlmembers|sam berg

Edit Item | Version History | Manage Permissions | Delete Item | Alert Me | Workflows

Manage | Actions

Libraries
- Site Pages
- Shared Documents

Lists
- Calendar
- Tasks
- ProjectTasks1
- Random People Table
- Locations
- Harvard Building List
- MailingList

Recycle Bin
All Site Content

Title	University Hall
Street	1815 Massachusetts Avenue
City	Cambridge
State	MA
Zip	
Information	http://en.wikipedia.org/wiki/University_Hall_(Harvard_University)
ArcGIS Location	

-71.119183943

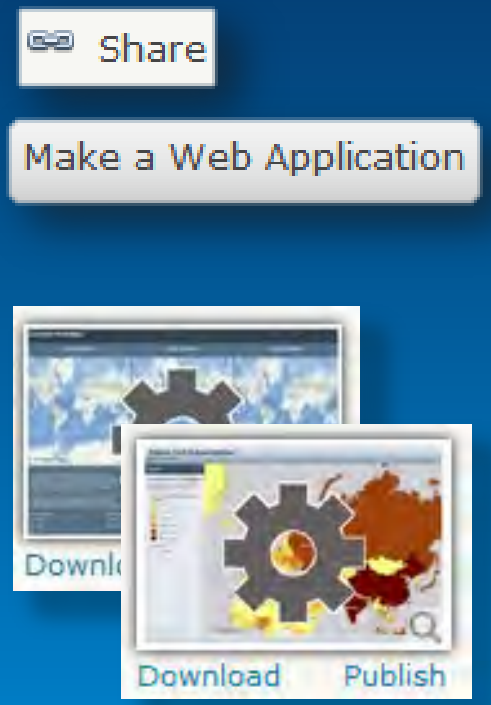
42.387352036

ers|sam berg

ARCGIS APPLICATION TEMPLATES

Application templates

Choose from Make a Web Application gallery

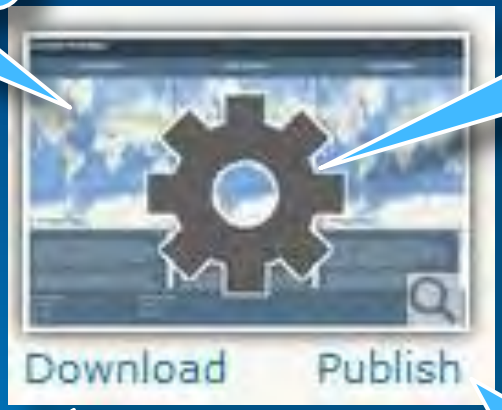


More templates can be found by searching ArcGIS Online

Preview, publish, or download

Click thumbnail to preview

Gear indicates template is configurable when hosted

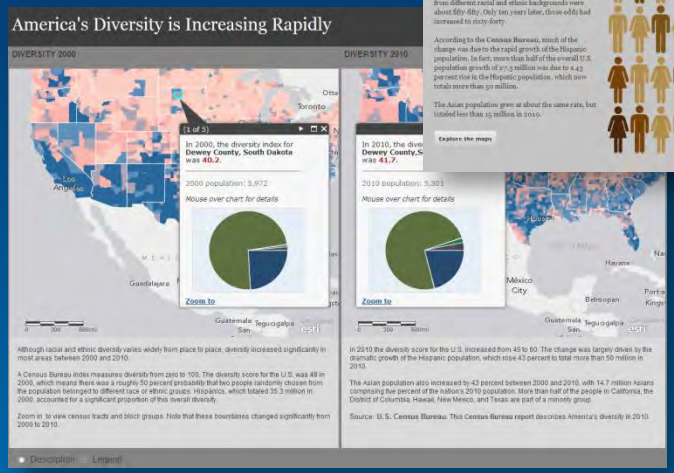


Download source to customize and host on your own

Click publish to couple and host your map with the application templates

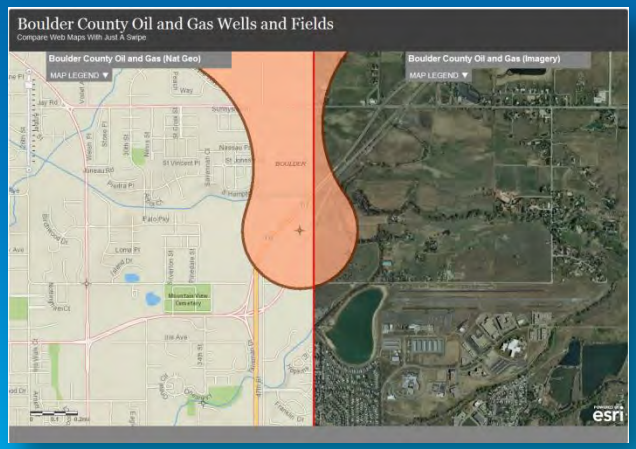
Examples

Story Maps

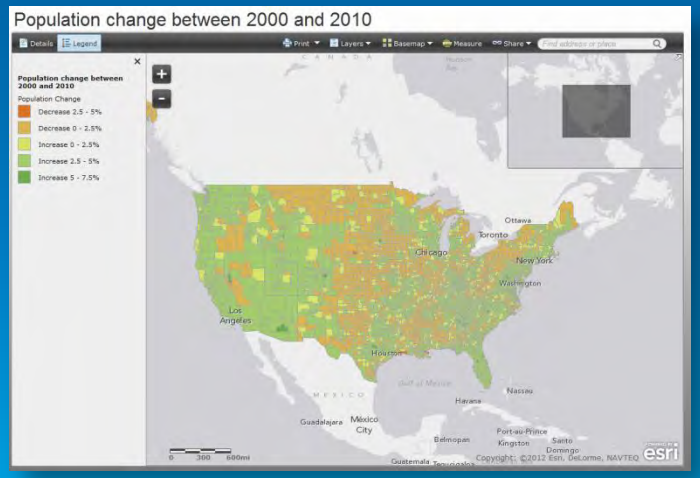


Social Media

Basic Viewer

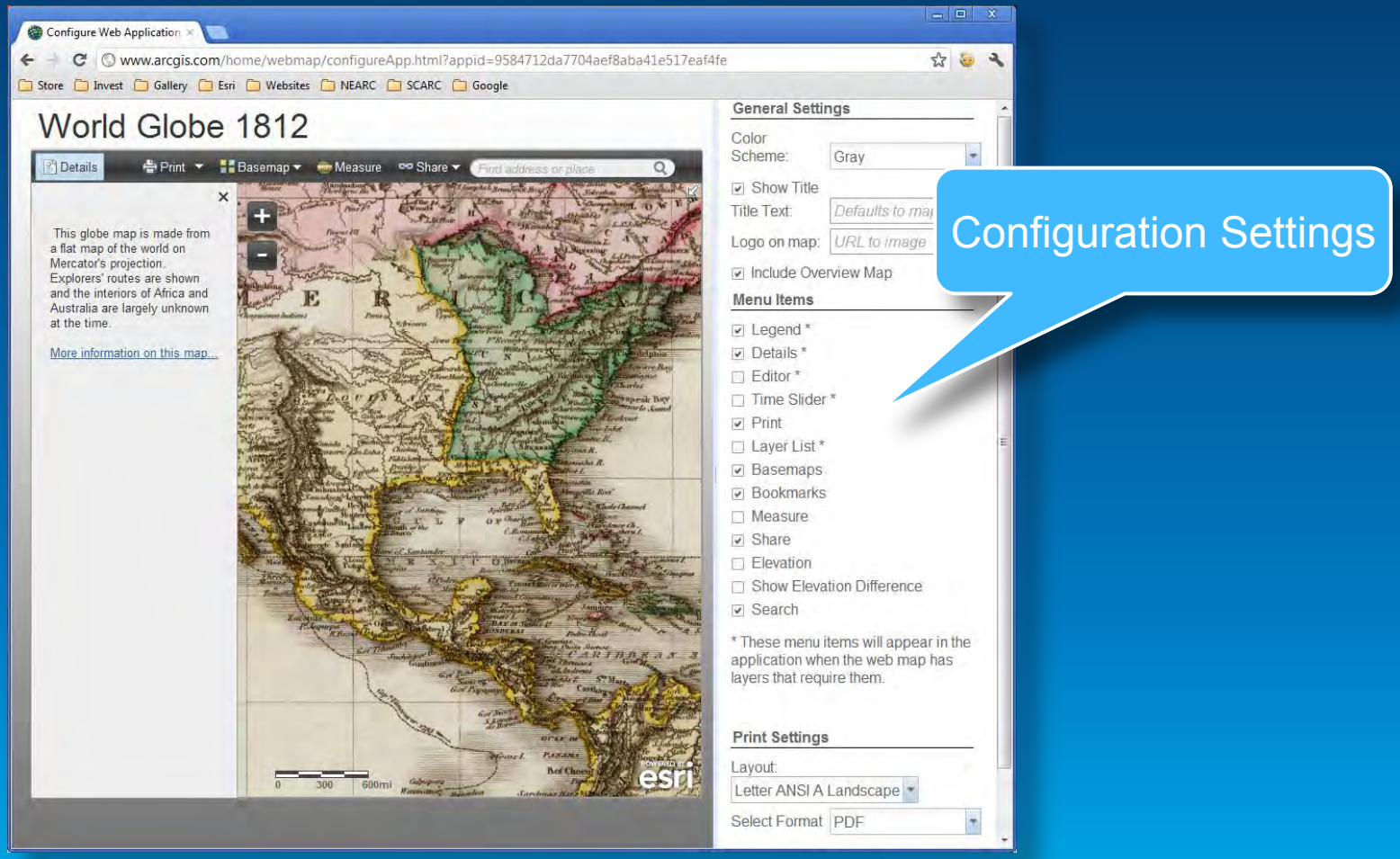


Swipe



Configure and publish from your account

Save and share like any other item in My Contents

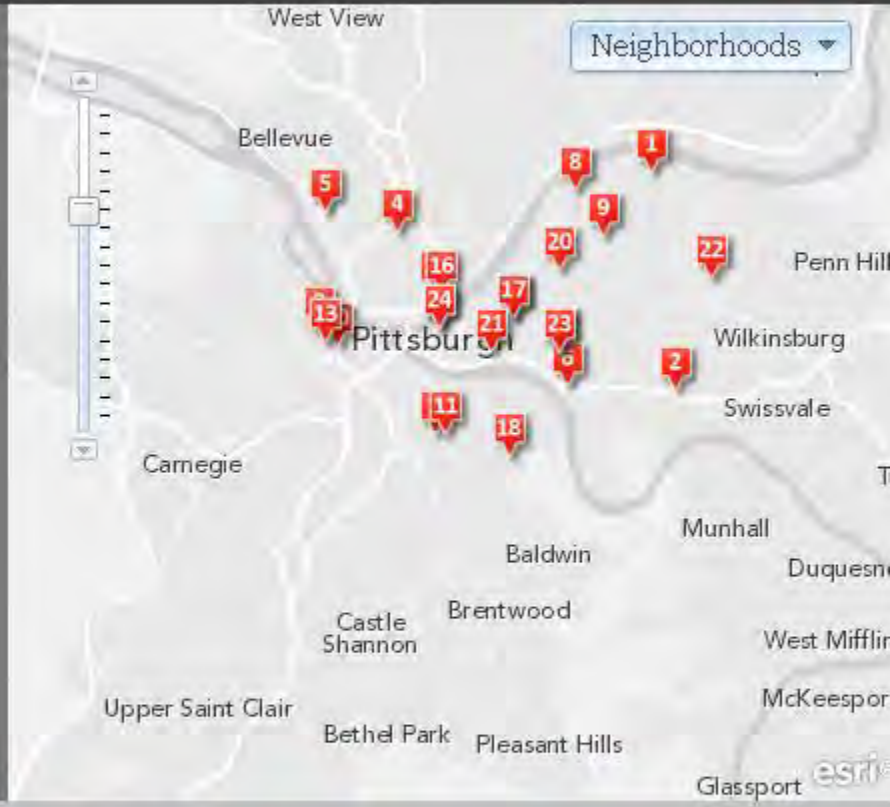


charles.esri.com/pittsburghcityview/LoveYourBlock/index.html

Pittsburgh Love Your Block Project Gallery

A story map

Love Your Block is a program created by Mayor Luke Ravenstahl and The Home Depot Foundation to revitalize our City - block by block!



1 Morningside Area Community Council

2 Allderdice High School

3 Elliott Community Group

4 The Pittsburgh Project

5 Antrim St. Beautification Project

6 Oakland Planning & Development

Extending the use

County Representatives M

bosdemo2.esri.com/meetyourrepresentatives/

Meet Your County Representatives

A Map of Your Representative Districts.

A story map

Duties of the Board of Supervisors

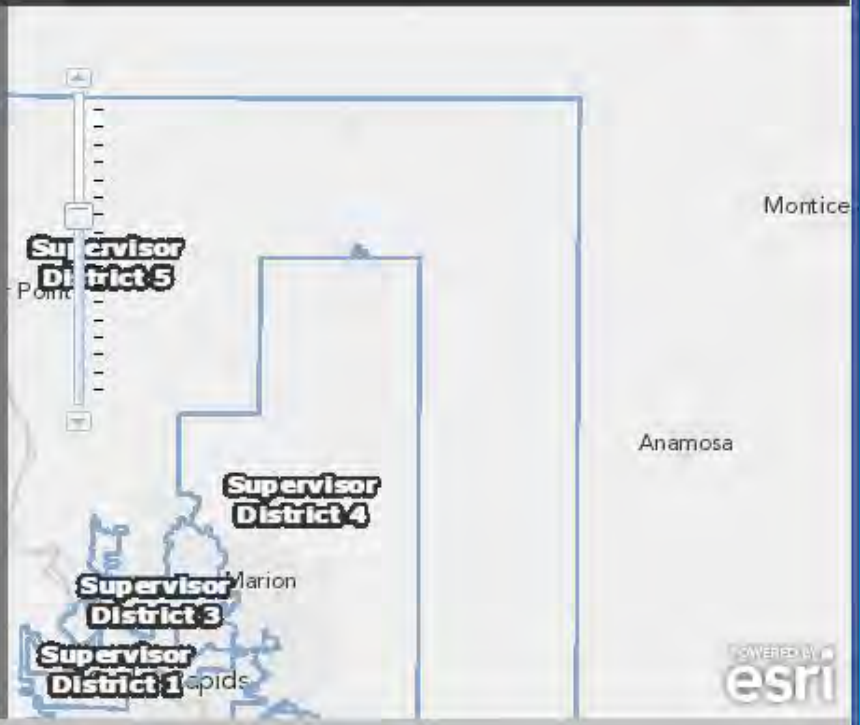
The five-member Board of Supervisors is both the executive and legislative branch of county government: setting policy, overseeing departments, and controlling the budget.

The Board of Supervisors oversees the county's $130 million budget and over 800 employees. Managers of the following county departments report directly to John and the other board members: Finance and Budget, Human Resources, Information Technology, Risk Management, CSRU, Engineer, LIFTS, Soil Conservation, Medical Examiner, the weed commissioner and historic preservation.

The Board of Supervisors appoints members to the Board of Adjustment, Board of Health, Building Board of Appeals, Conservation Board, Electrical Board of Appeals, General Assistance Board, Linn County Community Services Advisory Board, Linn County Veterans Commission Board, Mechanical Board of Appeals, Plumbing Board of Appeals, Services for People with Disabilities Board, Youth Services Advisory Board and Zoning Commission.

To better serve the people of Linn County, the individual members of the Board of Supervisors serve as liaison to specific city councils within their districts, organizations and Linn County departments.

Click on a tour arrow or a thumbnail below to get started.



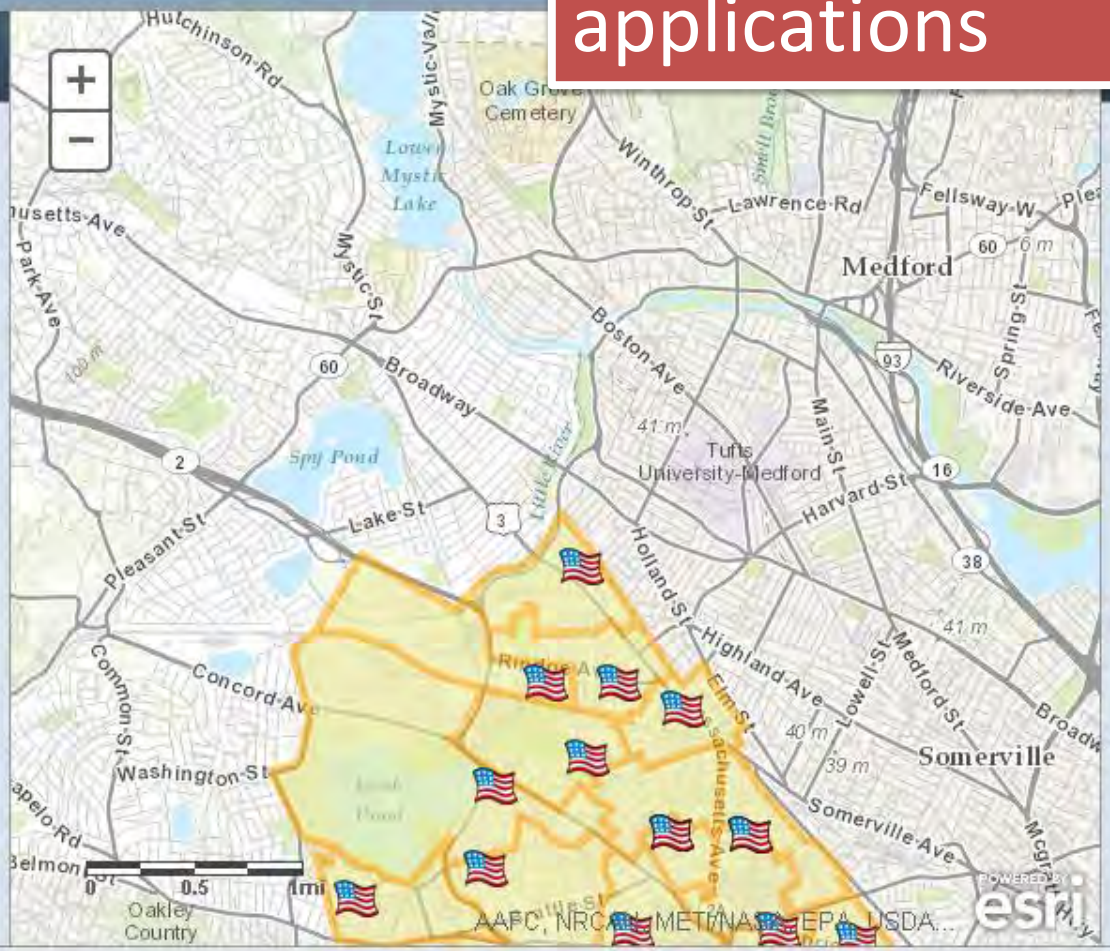
WebMap IDs driving applications

NH Historical Preservatio | Cambridge Polling Places

esrinortheast.maps.arcgis.com/apps/TwoPane/main/index.html?webmap=ad1ca15de5654a5db1423c691

Cambridge Polling Places (demo

Description



PollingPlaces - Polling Places

Precincts - Voting Precincts

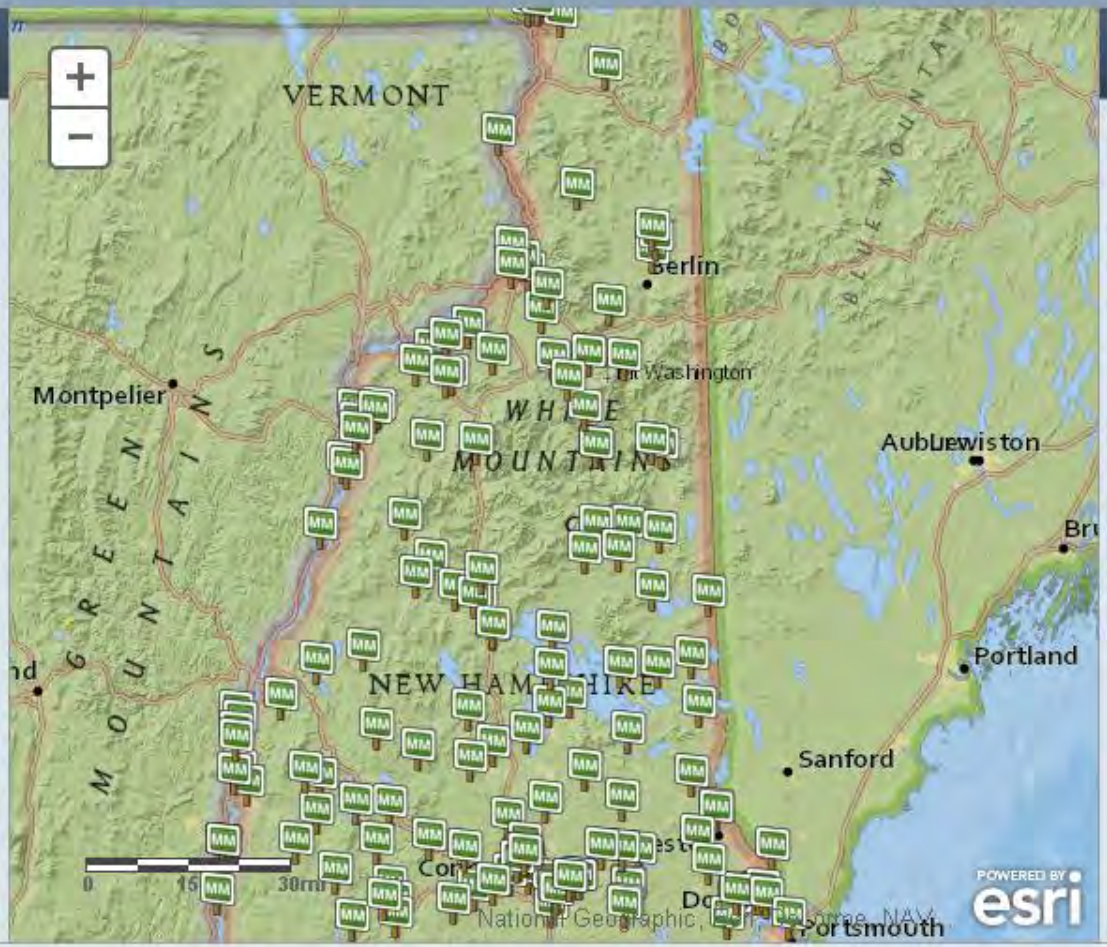
A map from: samuelberg

NH Historical Preservatior × | NH Historical Preservatior ×

esrinortheast.maps.arcgis.com/apps/TwoPane/main/index.html?webmap=720a9806a75c4b82aae53925f

NH Historical Preservation Signs (demo)

Description



Legend

Map Tour Layer

A map from: samuelberg

Cambridge Polling Places | NH Historical Preservatio

esrinortheast.maps.arcgis.com/home/webmap/viewer.html?useExisting=1

uting/AGOLSearchTaskUI.js | AGOLRouting/AGOLSearchTask.js | index.html | AGOLRouting/AGOLRouteTaskUI.js* | javascript/layout.js | apl/ElevationsChart/Pane

Source code available

```
dojo.require("esri.arcgis.utils");
dojo.require("esri.IdentityManager")
dojo.require('dijit.form.Form');
dojo.require("dijit.form.TextBox");

dojo.declare("AGOLSearchTaskUI", null, {

  constructor: function (AGOLSearchTask, AGOLRouteTaskUI, map, searchBoxDivId, progressDivID) {
    this.AGOLSearchTask = AGOLSearchTask;
    this.AGOLRouteTaskUI = AGOLRouteTaskUI;
    this.searchBoxDiv = dojo.byId(searchBoxDivId);
    this.workingDiv = dojo.byId(progressDivID);
    this.map = map;
    this.defaultMarkerURL = "http://static.arcgis.com/images/Symbols/Basic/BlueShinyPin.png";
    this.defaultSymbol = new esri.symbol.PictureMarkerSymbol(this.defaultMarkerURL, 24, 24);
    this.graphicsLayerLocations = new esri.layers.GraphicsLayer();

    this.map.addLayer(this.graphicsLayerLocations);

    dojo.connect(this.AGOLSearchTask, 'onAddressFound', this, function (res) {
      this.showLocation(res);
    });

    dojo.connect(this.AGOLSearchTask, 'onAddressesFound', this, function (res) {
      this.showLocations(res);
    });
```

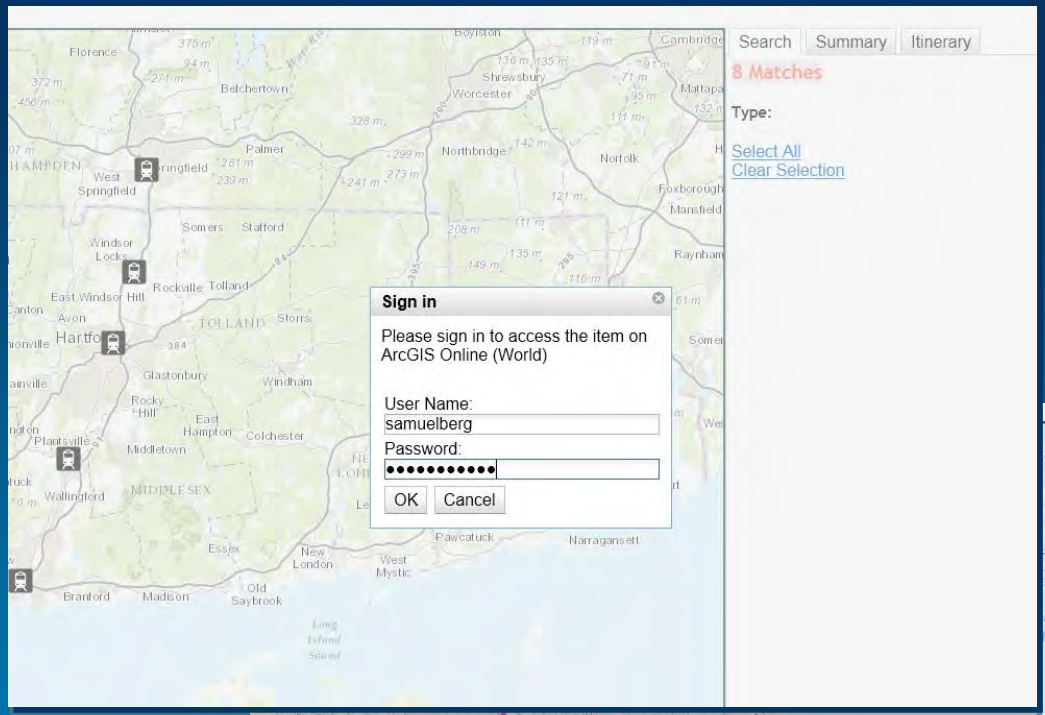
Esri.com , Terms of Use , Privacy ,
Contact Us , Report Abuse

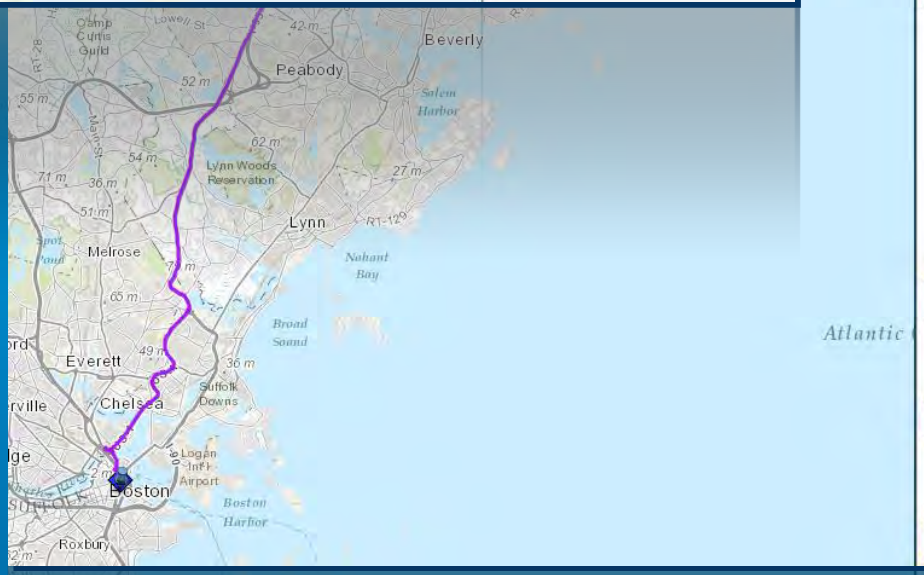
Sample Map

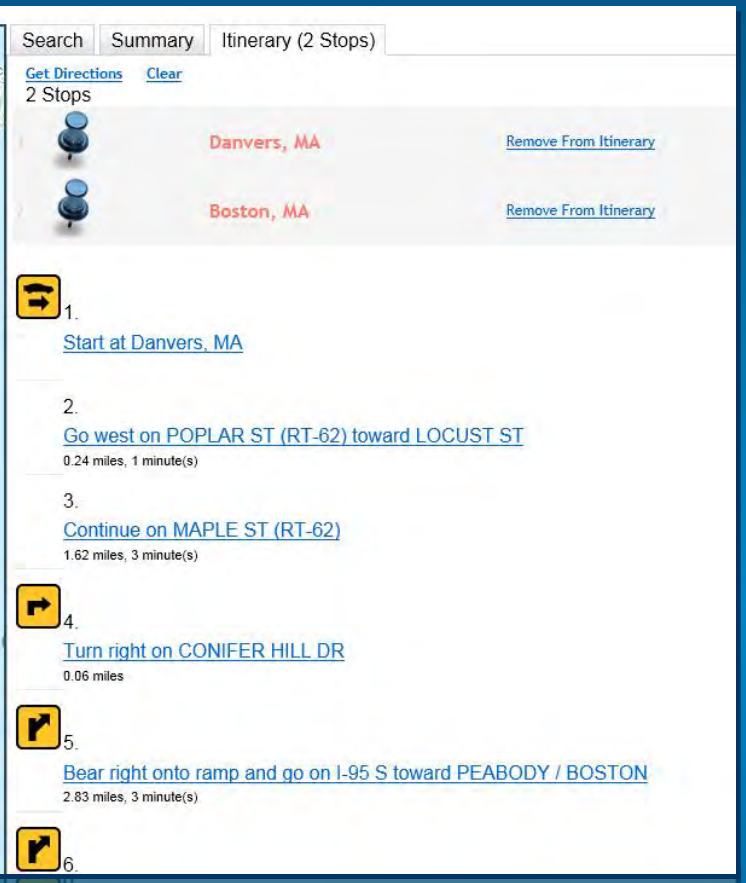
Details | Points of Interest Routing | Print | Basemap | Measure | Share | Search for Location...

Itinerary

Please add at least two stops to your itinerary...


Search
Summary
Itinerary
8 Matches
Type:
Select All
Clear Selection
Sign in
Please sign in to access the item on ArcGIS Online (World)
User Name:
samuelberg
Password:
OK
Cancel


Beverly
Peabody
Lynn
Melrose
Everett
Chelsea
Boston
Roxbury


Search
Summary
Itinerary (2 Stops)
Get Directions
Clear
2 Stops
Danvers, MA
Remove From Itinerary
Boston, MA
Remove From Itinerary
1.
Start at Danvers, MA
2.
Go west on POPLAR ST (RT-62) toward LOCUST ST
0.24 miles, 1 minute(s)
3.
Continue on MAPLE ST (RT-62)
1.62 miles, 3 minute(s)
4.
Turn right on CONIFER HILL DR
0.06 miles
5.
Bear right onto ramp and go on I-95 S toward PEABODY / BOSTON
2.83 miles, 3 minute(s)
6.

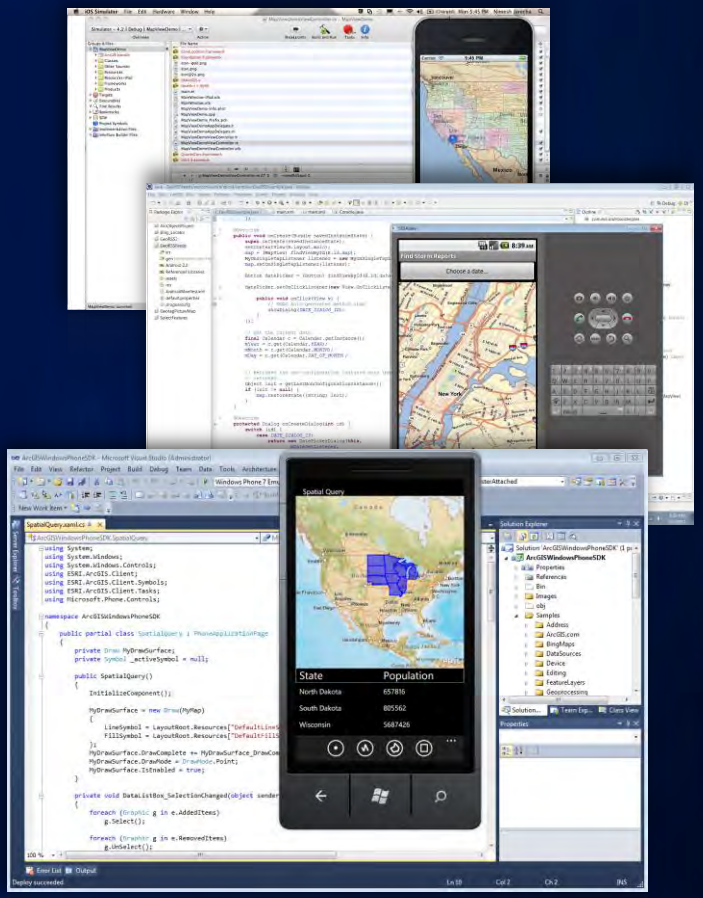
ARCGIS FOR SMARTPHONES AND TABLETS

ArcGIS for Smartphones & Tablets

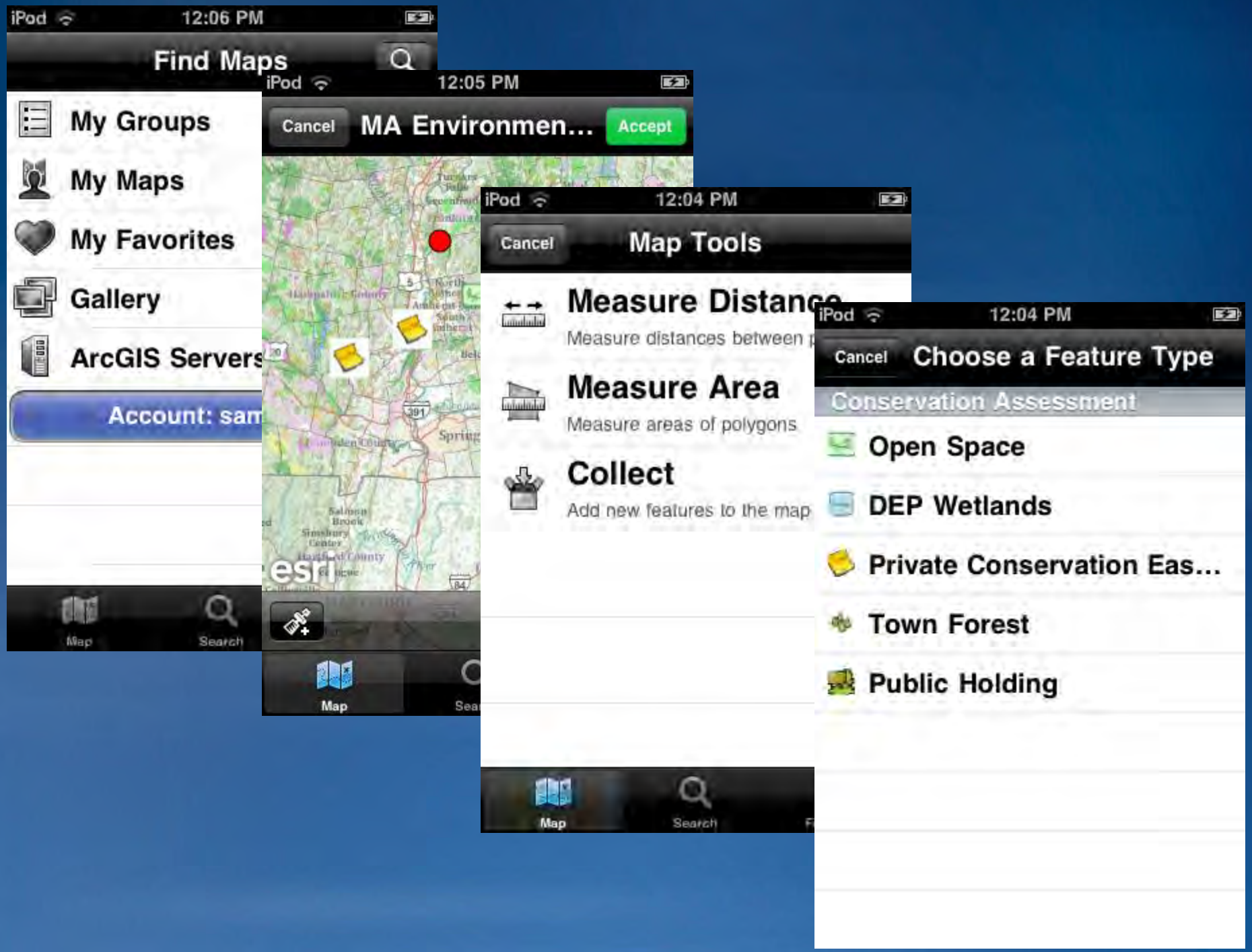
iOS

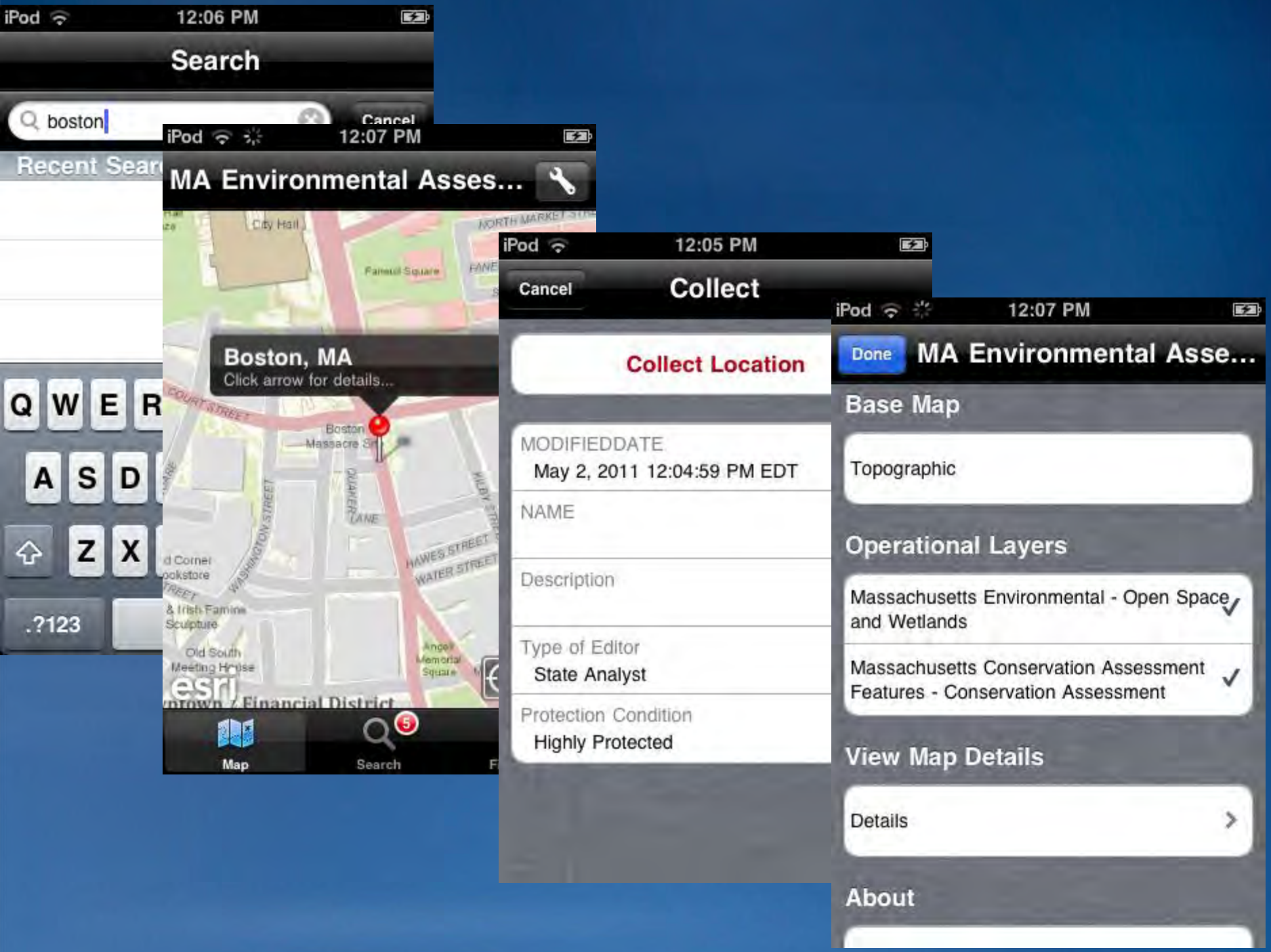
Android

Windows Phone



Tools to build focused solutions


iPod 12:06 PM
Find Maps
My Groups
My Maps
My Favorites
Gallery
ArcGIS Servers
Account: sam
Map
Search
iPod 12:05 PM
Cancel
MA Environmen...
Accept
esri
Map
iPod 12:04 PM
Cancel
Map Tools
Measure Distance
Measure distances between p
Measure Area
Measure areas of polygons
Collect
Add new features to the map
Map
Search
iPod 12:04 PM
Cancel
Choose a Feature Type
Conservation Assessment
Open Space
DEP Wetlands
Private Conservation Eas...
Town Forest
Public Holding

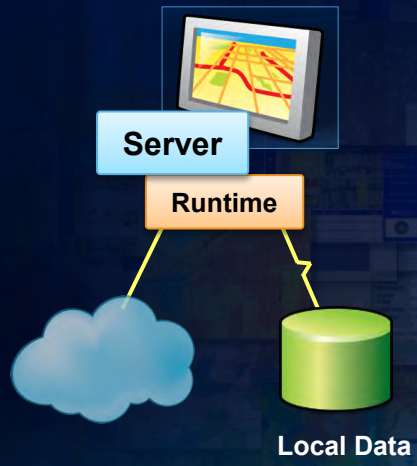

iPod 12:06 PM
Search
boston
Cancel
Recent Sear
Q W E R
A S D
Z X
.?123
iPod 12:07 PM
MA Environmental Asses...
City Hall
Faneuil Square
Boston, MA
Click arrow for details...
COURT STREET
Boston Massacre Site
QUAKER LANE
WASHINGTON STREET
HAWES STREET
WATER STREET
Old South Meeting House
Angel Memorial Square
esri
Financial District
Map
Search
5
iPod 12:05 PM
Cancel
Collect
Collect Location
MODIFIEDDATE
May 2, 2011 12:04:59 PM EDT
NAME
Description
Type of Editor
State Analyst
Protection Condition
Highly Protected
iPod 12:07 PM
Done
MA Environmental Asse...
Base Map
Topographic
Operational Layers
Massachusetts Environmental - Open Space and Wetlands
Massachusetts Conservation Assessment Features - Conservation Assessment
View Map Details
Details
About

ARCGIS RUNTIME

ArcGIS Can Now Be Embedded Anywhere

New Lightweight Runtime Platform

- Easy to Deploy
- Fast
- Small Footprint
- Windows/Linux

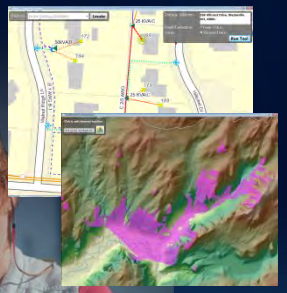


Provides Complete Geospatial Functionality

Lightweight Applications and Runtime SDKs

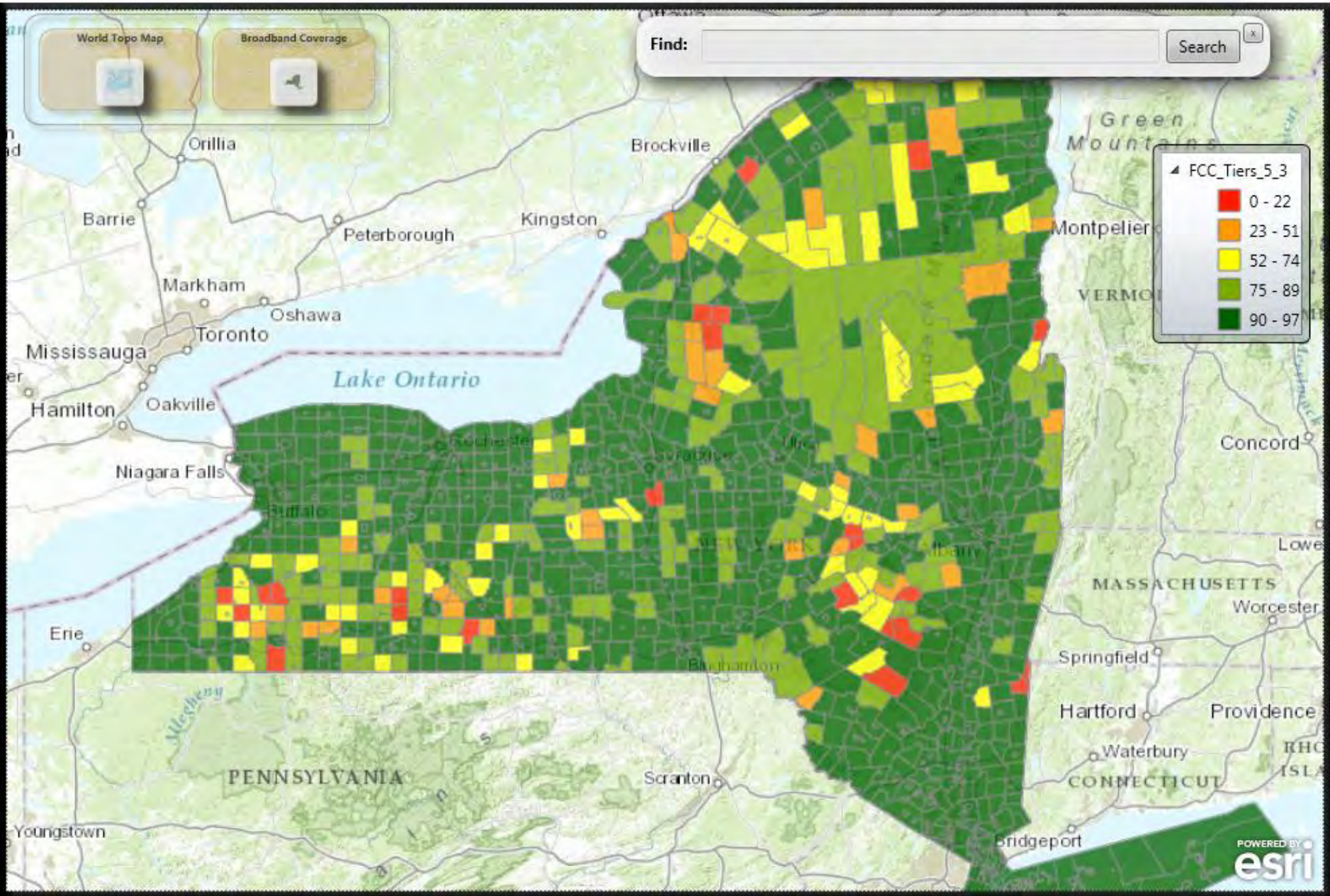
Configurable COTS applications and Native ArcGIS Runtime SDKs

iOS	Android	Windows Phone	Windows Mobile	Windows	Linux
Applications • ArcGIS	**Applications** • ArcGIS	**Applications** • ArcGIS	**Applications** • ArcGIS	**Applications** • ArcGIS Explorer*	**Applications** • ArcGIS Runtime
Runtime SDK • Objective C	**Runtime SDK** • Java	**Runtime SDK** • Silverlight	**Runtime SDK** • .NET	**Runtime SDK** • WPF, Java	**Runtime SDK** • Qt, Java



New York State Broadband Dashboard (prototype)

New York State
Broadband Program Office



Sharing as a Package

Professional to Professional

Sharing Tradecraft

bb_data_dev.mxd - ArcMap

File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:6,443,770

AGS Feature Grab

Table Of Contents

Layers

FCC_Tiers_5_3

% Population w/Access

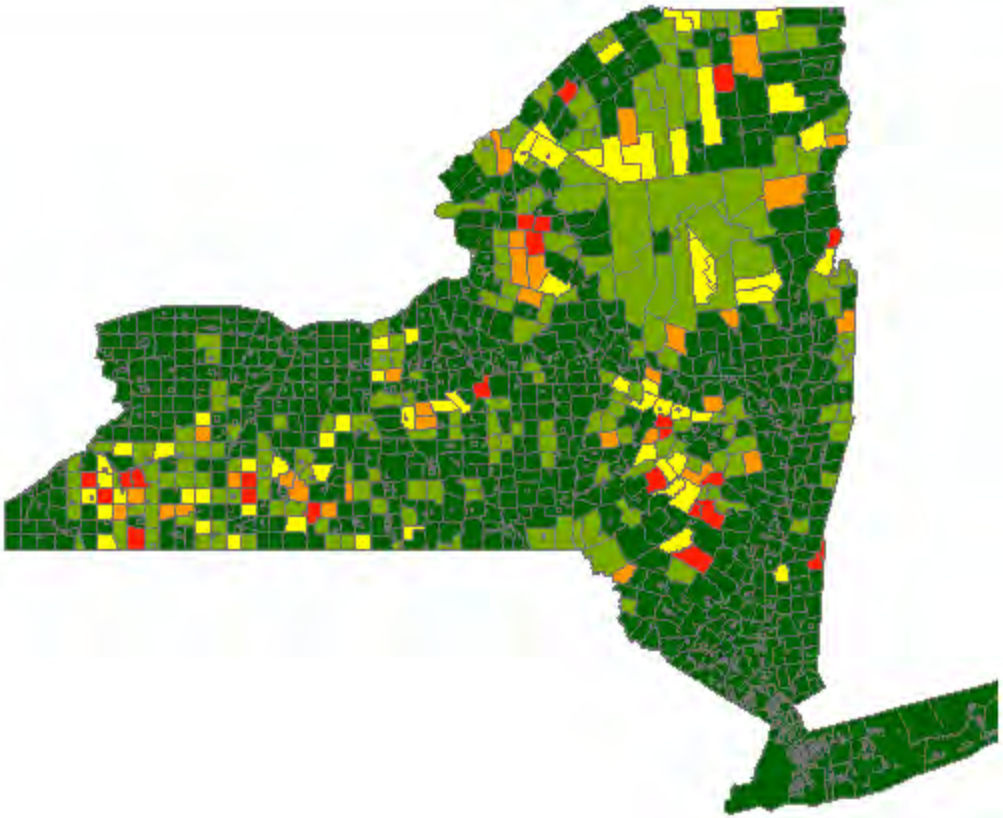
0 - 22

23 - 51

52 - 74

75 - 89

90 - 97



bb_data_dev.mxd - ArcMap

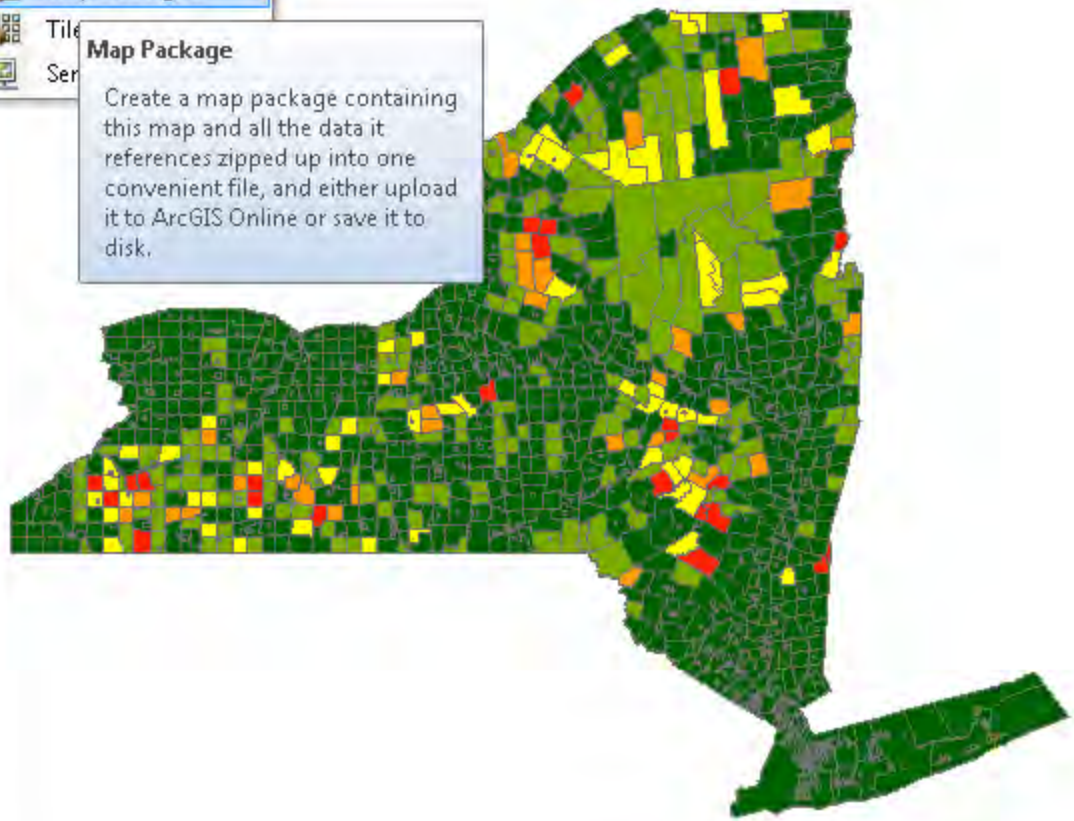
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help

1:6,443,770

- New... Ctrl+N
- Open... Ctrl+O
- Save Ctrl+S
- Save As...
- Save A Copy...
- Share As
  - Map Package...
  - Tile
  - Ser
- Add Data
- Sign In...
- ArcGIS Online...
- Page and Print Setup...
- Print Preview...
- Print...
- Export Map...
- Analyze Map...
- Map Document Properties...
- 1 D:\Data\bb_...\bb_data_dev.mxd
- 2 D:\Data_dem...\LGIM_Raw.mxd
- 3 D:\Dat...\CambridgeParcels.mxd
- 4 d:\Data_de...\PollingPlaces.mxd
- 5 d:\Data_demos...\Precincts.mxd
- 6 D:\Data_demos...\Precincts.mxd
- 7 D:\Data\CTTOWNS.mxd
- 8 D...\EarlyHeadStartlocations.mxd
- 9 D:\Da...\NYSubdivisionsWM.mxd
- Exit Alt+F4

Map Package

Create a map package containing this map and all the data it references zipped up into one convenient file, and either upload it to ArcGIS Online or save it to disk.



Computer ▸ Local Disk (D:) ▸ Data ▸ _code ▸ WPFWorkspace ▸ NYSBroadband ▸ data

Search data

File Edit View Tools Help

Organize ▾ Open Burn New folder

Favorites
- Desktop
- Downloads
- Recent Places

Libraries
- _Code
- _Data
- _Demos
- Documents
- Music
- Pictures
- Podcasts
- Videos

Computer
- Local Disk (C:)

Name	Date modified	Type	Size
_USCitiesStates.mpk	5/9/2013 2:09 PM	ArcGIS Map Packa...	704 KB
bb_data_dev.mxd	5/9/2013 10:58 AM	ArcGIS ArcMap D...	724 KB
bb_data_dev1.mpk	5/9/2013 10:58 AM	ArcGIS Map Packa...	44 KB
bb_data_dev1b.mpk	5/9/2013 1:28 PM	ArcGIS Map Packa...	2,277 KB
bb_data_dev2.mpk	5/9/2013 3:20 PM	ArcGIS Map Packa...	2,280 KB
bb_thumb.jpg	4/18/2013 1:31 PM	JPG File	8 KB
CNY_Tiers_6_4.xlsx	4/17/2013 4:37 PM	Microsoft Excel W...	147 KB
FCC_Tiers_5_3.csv	4/18/2013 4:25 PM	CSV File	118 KB
FCC_Tiers_5_3.dbf	4/18/2013 4:30 PM	DBF File	1,802 KB
FCC_Tiers_5_3.lyr	4/18/2013 4:49 PM	ArcGIS Layer	10 KB
FCC_Tiers_5_3.prj	4/18/2013 4:30 PM	PRJ File	1 KB
FCC_Tiers_5_3.sbn	4/18/2013 4:30 PM	SBN File	16 KB
FCC_Tiers_5_3.sbx	4/18/2013 4:30 PM	SBX File	2 KB
FCC_Tiers_5_3.shp	4/18/2013 4:30 PM	SHP File	7,431 KB
FCC_Tiers_5_3.shp.ATTITASH.4632.6932.s...	5/9/2013 1:22 PM	LOCK File	0 KB

4 items selected Date modified: 5/9/2013 3:20 PM Date created: 5/9/2013 3:19 PM
Size: 5.17 MB

4 items selected

Broadband Program Office

Find:

XAML | Design | Window Window

Error List

1 Error | 0 Warnings | 0 Messages

	Description	File	L	Column	Project
1	Unable to cast object of type 'Microsoft.Expression.DesignModel.DocumentModel.DocumentPrimitiveNode' to type 'Microsoft.Expression.DesignModel.DocumentModel.DocumentCompositeNode'.	MainWindow.xaml	41	26	NYSBroadband

- InfoWindowBehaviorWPF
  - Properties
  - References
  - Service References
  - Images
  - IdentifyResultsInfoWindow.xaml
  - InfoWindowBehavior.cs
  - InfoWindowModel.cs
  - InfoWindowVM.cs
- **NYSBroadband**
  - Properties
  - References
  - _publish
  - bin
  - data
  - obj
  - Application.xaml
    - Application.xaml.cs
  - broadband2.jpg
  - broadband2.png
  - broadband3.jpg
  - esriglobe.ico
  - MainWindow.xaml
    - MainWindow.xaml.cs

Solution Explorer | Team Explorer | Class View

Properties

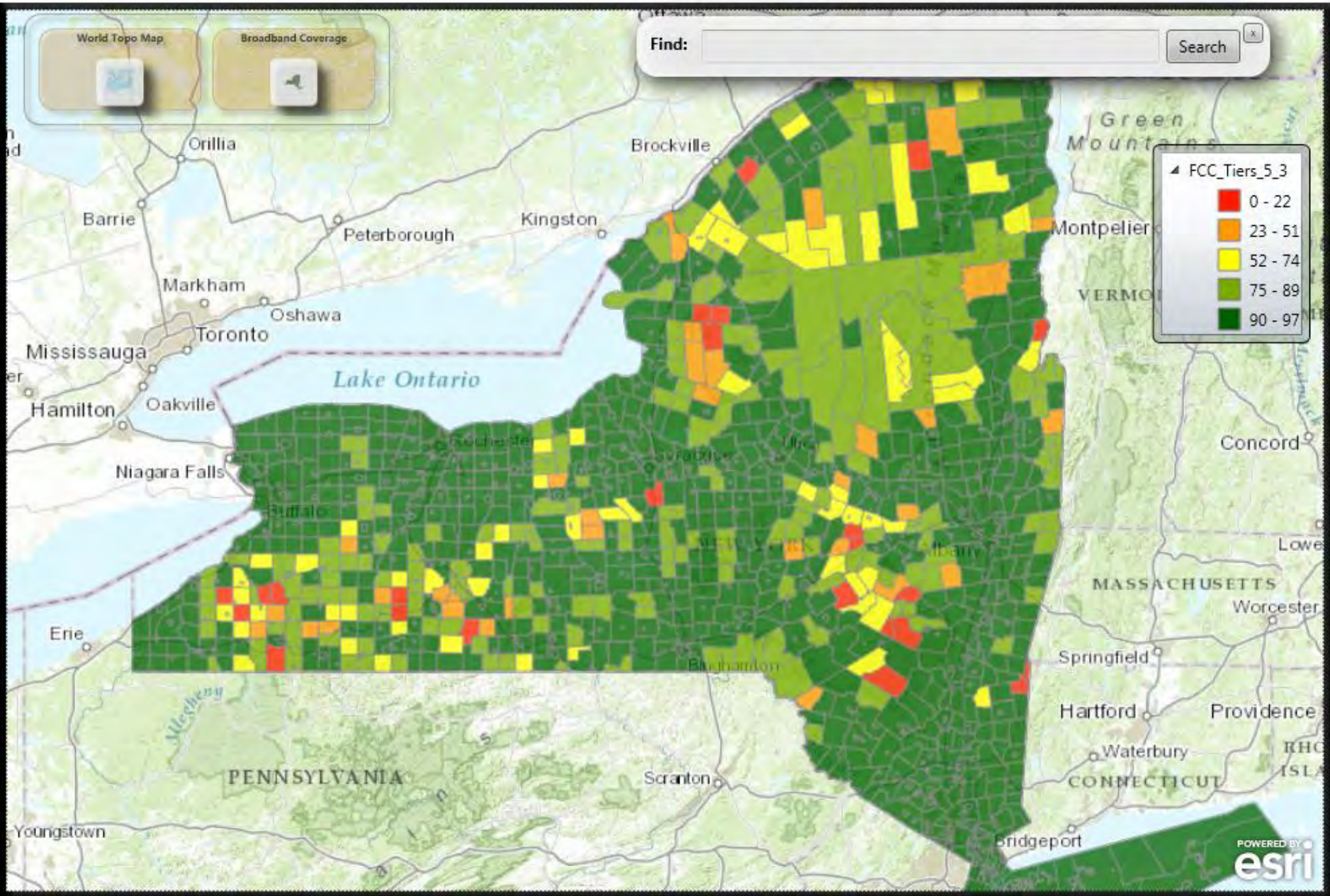
Properties

Search

Property editing not available

New York State Broadband Dashboard (prototype)

New York State Broadband Program Office



Thank You.

Questions and Comments?

Summary

- Online WebMaps can power many applications
- Choice of viewers and environments for mapping
- Scalable environment

esri

Understanding our world.