NEARC Northeast Arc Users Group

esri

Update on Community Maps Program

Alfredo Frauenfelder

Esri Boston Regional Office

Agenda

Program Status
New and Changing Maps
Community Maps 2.0

Community Maps Program Review:

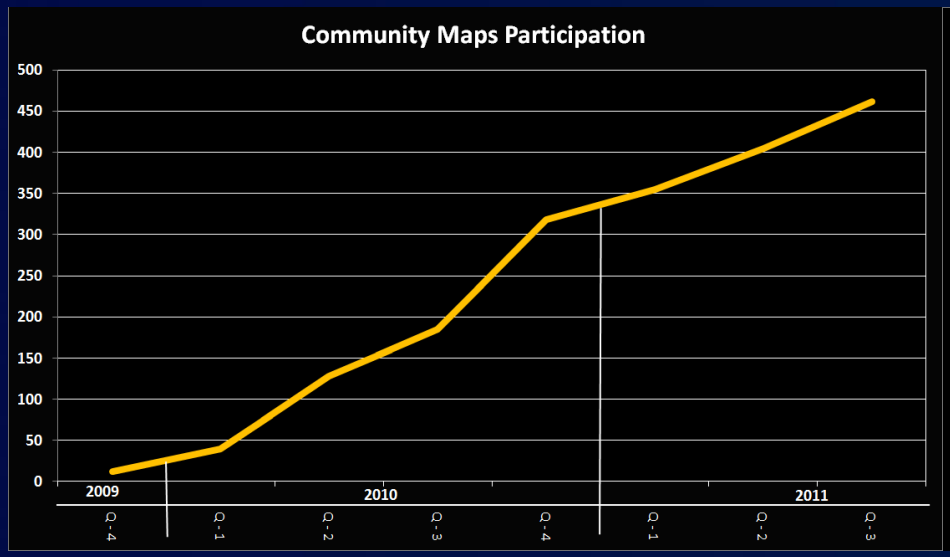
- Community Maps is a relatively new program now in year three
- A suite of cloud-based maps at global to local scales
- Image cache format for quick, consistent mapping on all platforms
- Content drawn from commercial sources supplemented by authoritative data from government GIS agencies
- An integral part of ArcGIS online
- NOT a data portal: no vector data can be discovered and downloaded

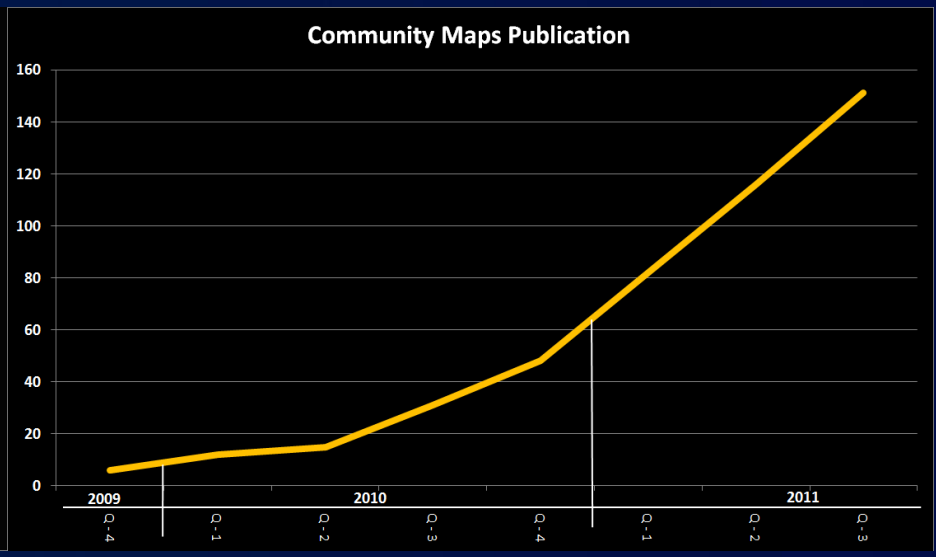
Program success so far

Program Totals (*March 2012)*

- **208 published maps**
- **350 more in production**

And Growing!!





Community Maps Team(s)

Product Management

Don Cooke – Product Manager - Community Maps

Deane Kensok – Manager - ArcGIS Online

Christophe Charpentier – Manager – Data & Content

Professional Services:

Seth Sarakaitis - CM Team Lead

Tiffany Cronin– Production/QA Lead

Brian Sims - CM 2.0 PM

Mark Stewart– CM Training

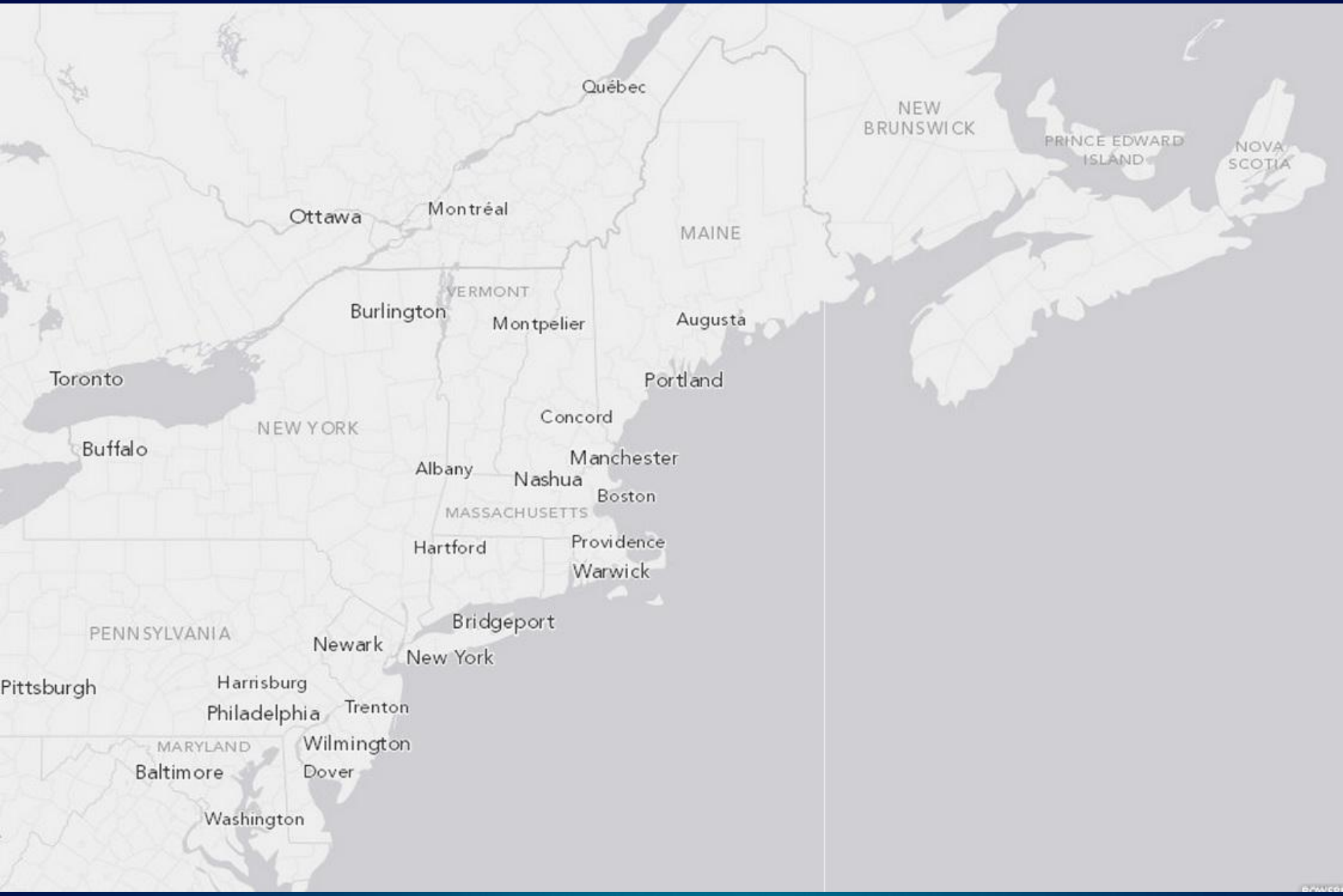
Agenda

Program Status

New and Changing Maps

Community Maps 2.0

Ottawa
Toronto
Chicago
New York
UNITED STATES
Washington
Los Angeles
Houston
Gulf of Mexico
Nassau
MEXICO
Havana
Guadalajara
México City
Ecatepec
Belmopan
Kingston
Port-au-Prince
Santo Domingo
Guatemala
Caribbean Sea
San Salvador
Tegucigalpa
Managua
Caracas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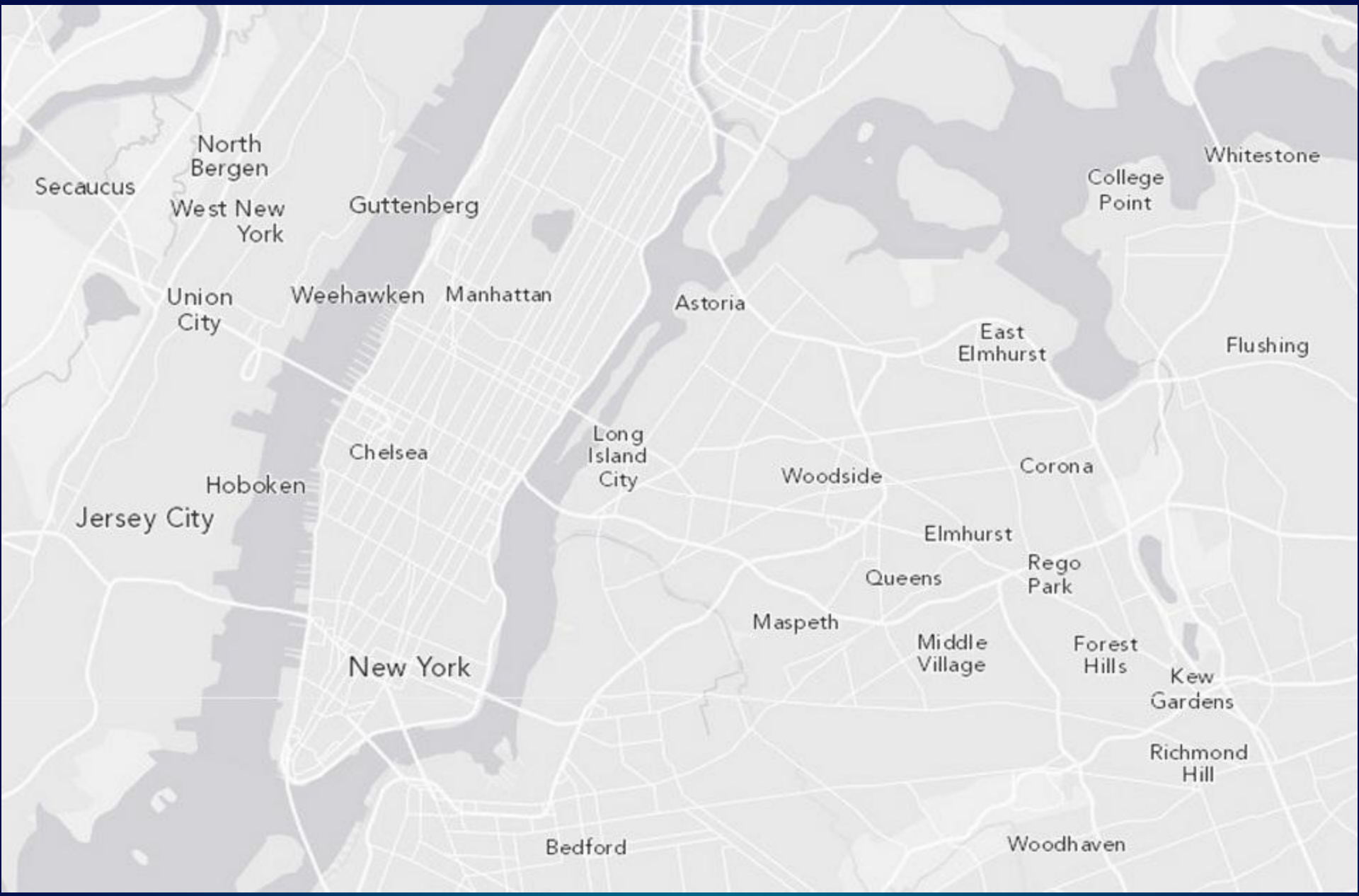
NEW BRUNSWICK
PRINCE EDWARD ISLAND
NOVA SCOTIA
Ottawa
Montréal
MAINE
VERMONT
Burlington
Montpelier
Augusta
Toronto
Portland
Concord
NEW YORK
Buffalo
Albany
Manchester
Nashua
Boston
MASSACHUSETTS
Hartford
Providence
Warwick
Bridgeport
PENNSYLVANIA
Newark
New York
Pittsburgh
Harrisburg
Philadelphia
Trenton
MARYLAND
Wilmington
Baltimore
Dover
Washington

Derry
Salem
Nashua
Albany
Lowell
Boston
Worcester
Springfield
Pawtucket
Providence
RHODE
Hartford
Cranston
Warwick
MASSACHUSETTS
Waterbury
CONNECTICUT
New
Haven
Bridgeport
Stamford
Paterson
Yonkers
NEW YORK
Jersey
City
Newark
New York
Elizabeth
NEW
YORK

Stamford
Greenburgh
Greenwich
White Plains
Wayne
Yonkers
Mount Vernon
Paterson
New Rochelle
Hackensack
Clifton
Passaic
Bronx
West New York
Union City
East Orange
Kearny
New York
Flushing
Brentwood
Newark
Jersey City
Irvington
Long Island City
Union
Jamaica
Hempstead
Brooklyn
Elizabeth
Bayonne
Freeport
Linden
Staten Island
Far Rockaway
Perth Amboy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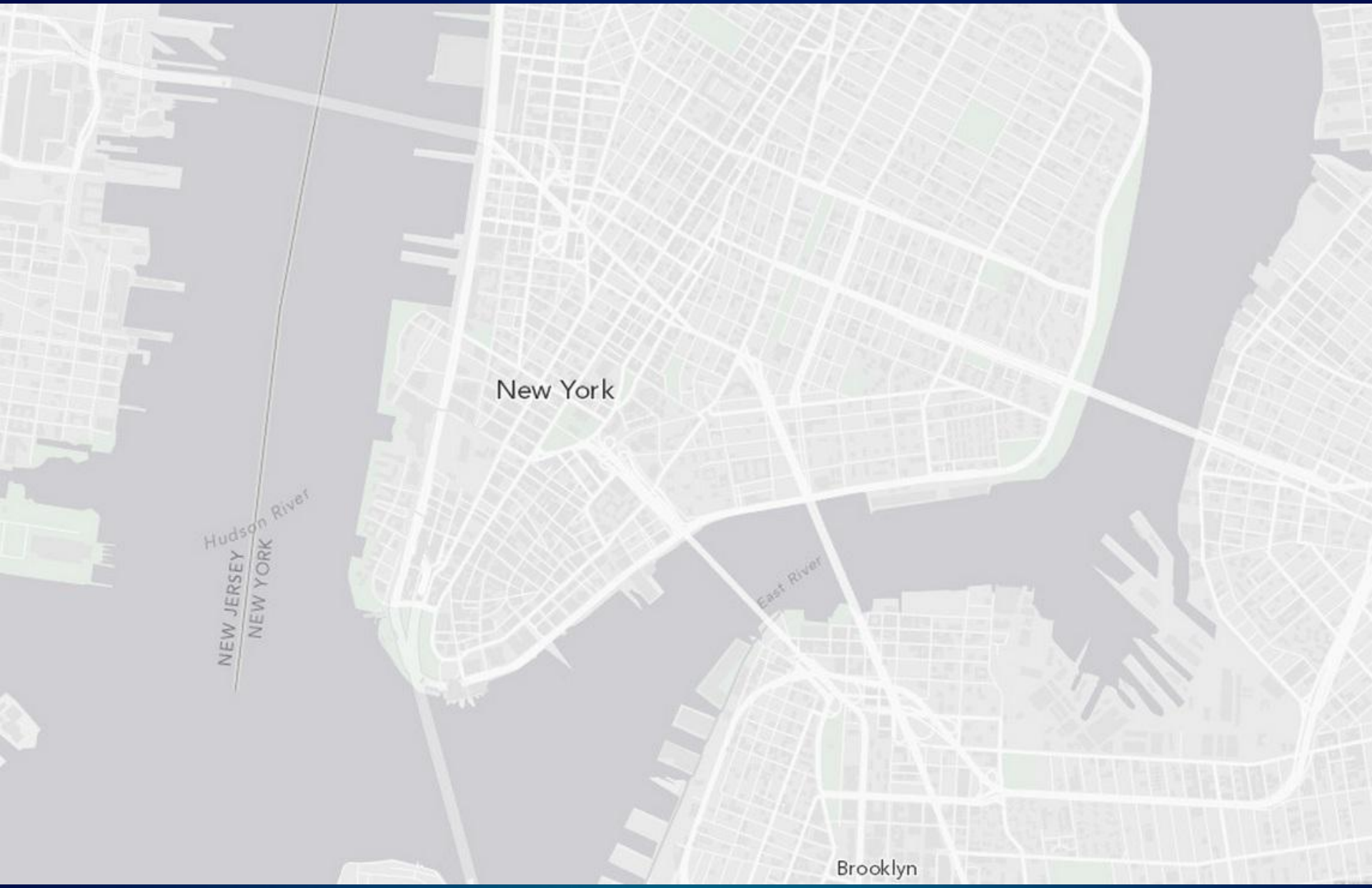
West New York
Guttenberg
Union City
Weehawken
Manhattan
Astoria
College Point
Whitestone
East Elmhurst
Flushing
Chelsea
Long Island City
Hoboken
Jersey City
Woodside
Corona
Elmhurst
Queens
Rego Park
Maspeth
Middle Village
Forest Hills
Kew Gardens
New York
Richmond Hill
Bedford
Woodhaven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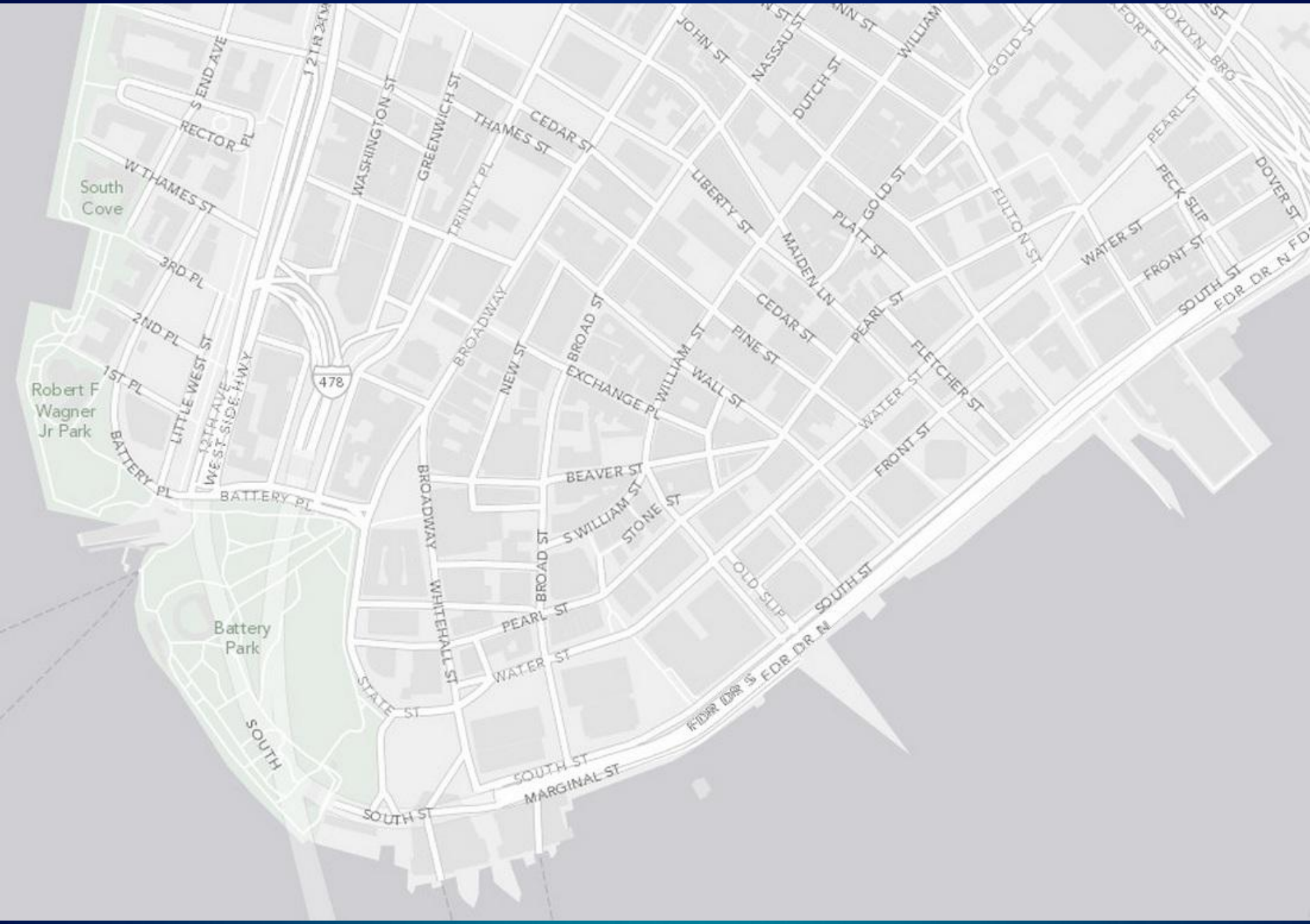
NEW JERSEY
NEW YORK
East River
Brooklyn


South Cove
Robert F Wagner Jr Park
Battery Park
S END AVE
RECTOR PL
W THAMES ST
3RD PL
2ND PL
1ST PL
LITTLE WEST ST
12TH AVE
WEST SIDE HWY
BATTERY PL
478
WASHINGTON ST
GREENWICH ST
THAMES ST
TRINITY PL
CEDAR ST
BROADWAY
NEW ST
BROAD ST
EXCHANGE PL
WILLIAM ST
LIBERTY ST
JOHN ST
NASSAU ST
DUTCH ST
MAIDEN LN
PLATT ST
GOLD ST
FULTON ST
PINE ST
WALL ST
BEAVER ST
S WILLIAM ST
STONE ST
WHITEHALL ST
STATE ST
SOUTH
PEARL ST
WATER ST
FRONT ST
FLETCHER ST
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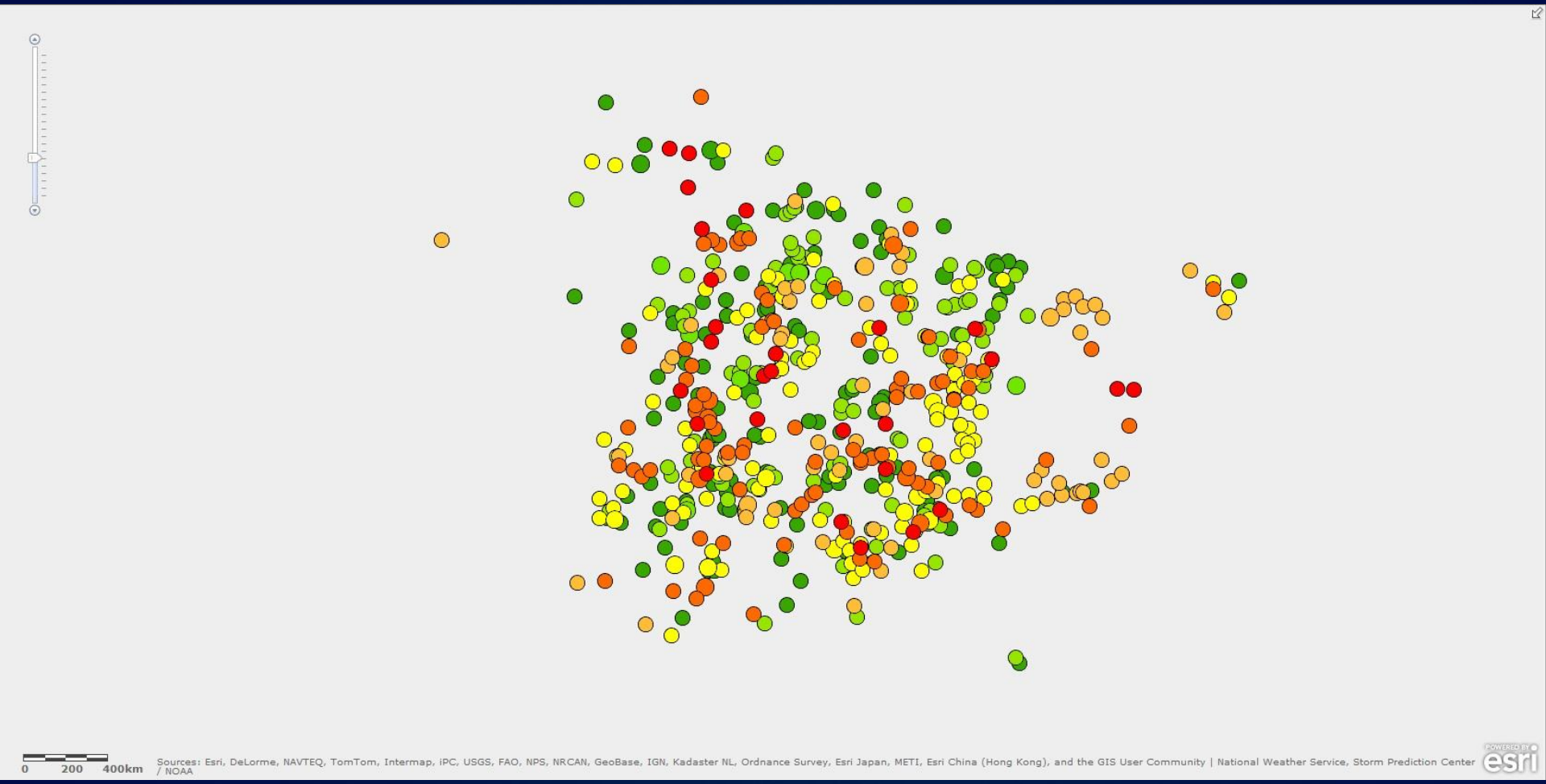
FDR DR S
FDR DR N
MARGINAL ST
PECK SLIP
DOVER ST
SOUTH ST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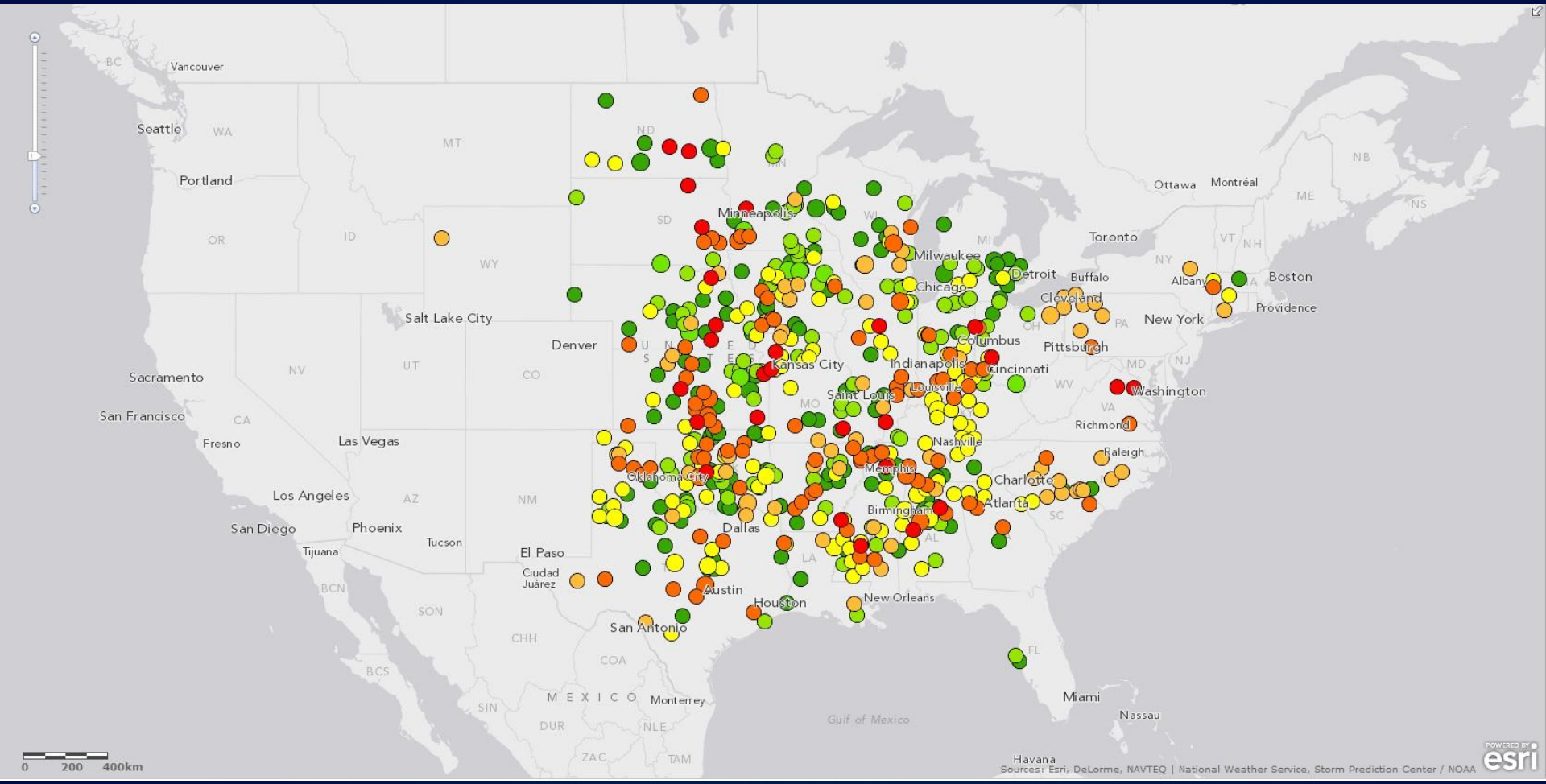
200
400km
Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, iPC, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), and the GIS User Community | National Weather Service, Storm Prediction Center / NOAA
esri


Vancouver
Seattle
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Minneapolis
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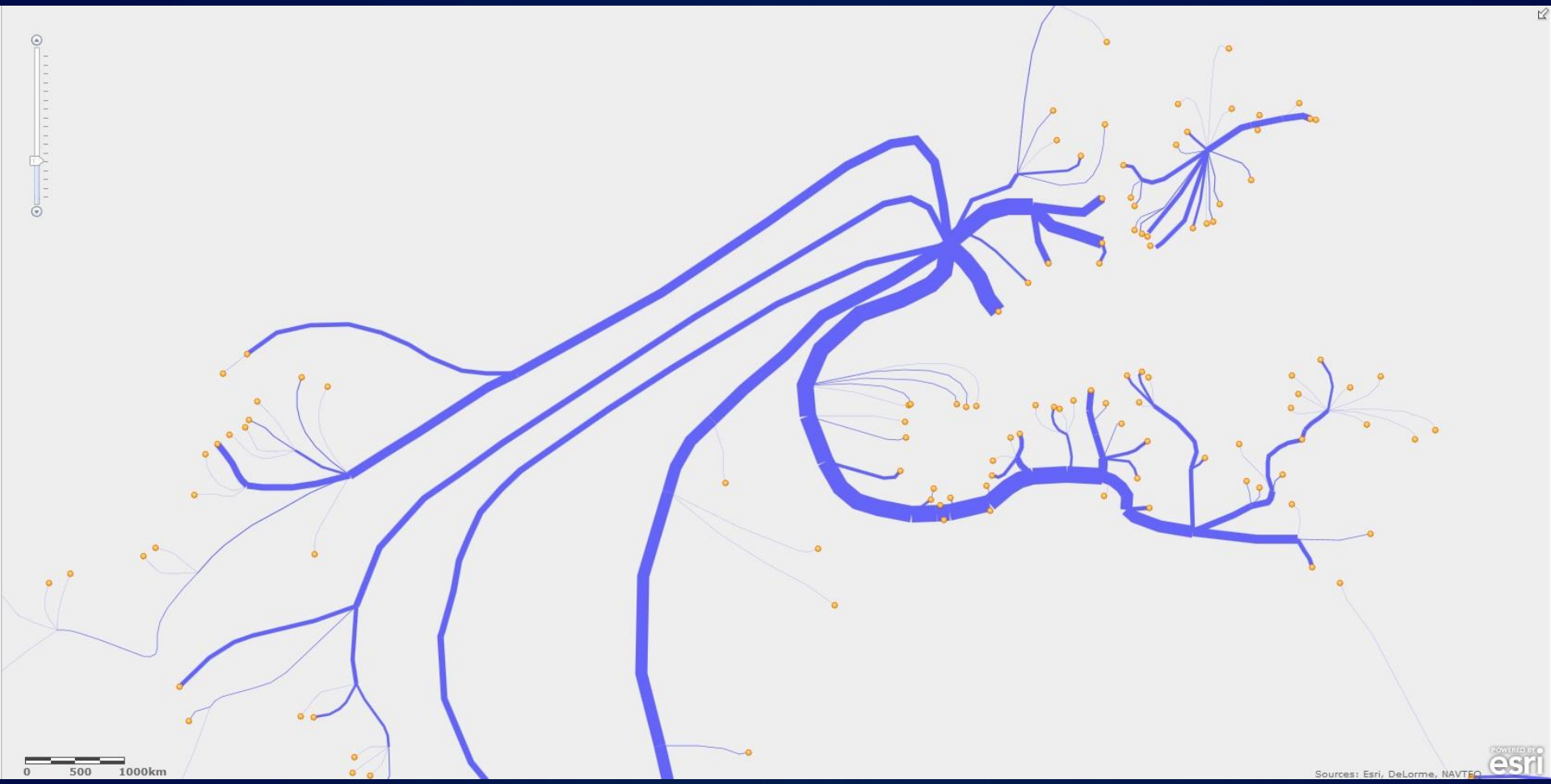
Columbus
Pittsburgh
Cincinnati
Indianapolis
Kansas City
Saint Louis
Louisville
Washington
Richmond
Nashville
Raleigh
Charlotte
Atlanta
Birmingham
Memphis
Oklahoma City
Dallas
Houston
Austin
San Antonio
New Orleans
El Paso
Ciudad Juárez
Tucson
Phoenix
Las Vegas
Salt Lake City
Denver
Sacramento
San Francisco
Fresno
Los Angeles
San Diego
Tijuana
Monterrey
Miami
Nassau
Havana
Gulf of Mexico
0 200 400km
Sources: Esri, DeLorme, NAVTEQ | National Weather Service, Storm Prediction Center / NOAA
esri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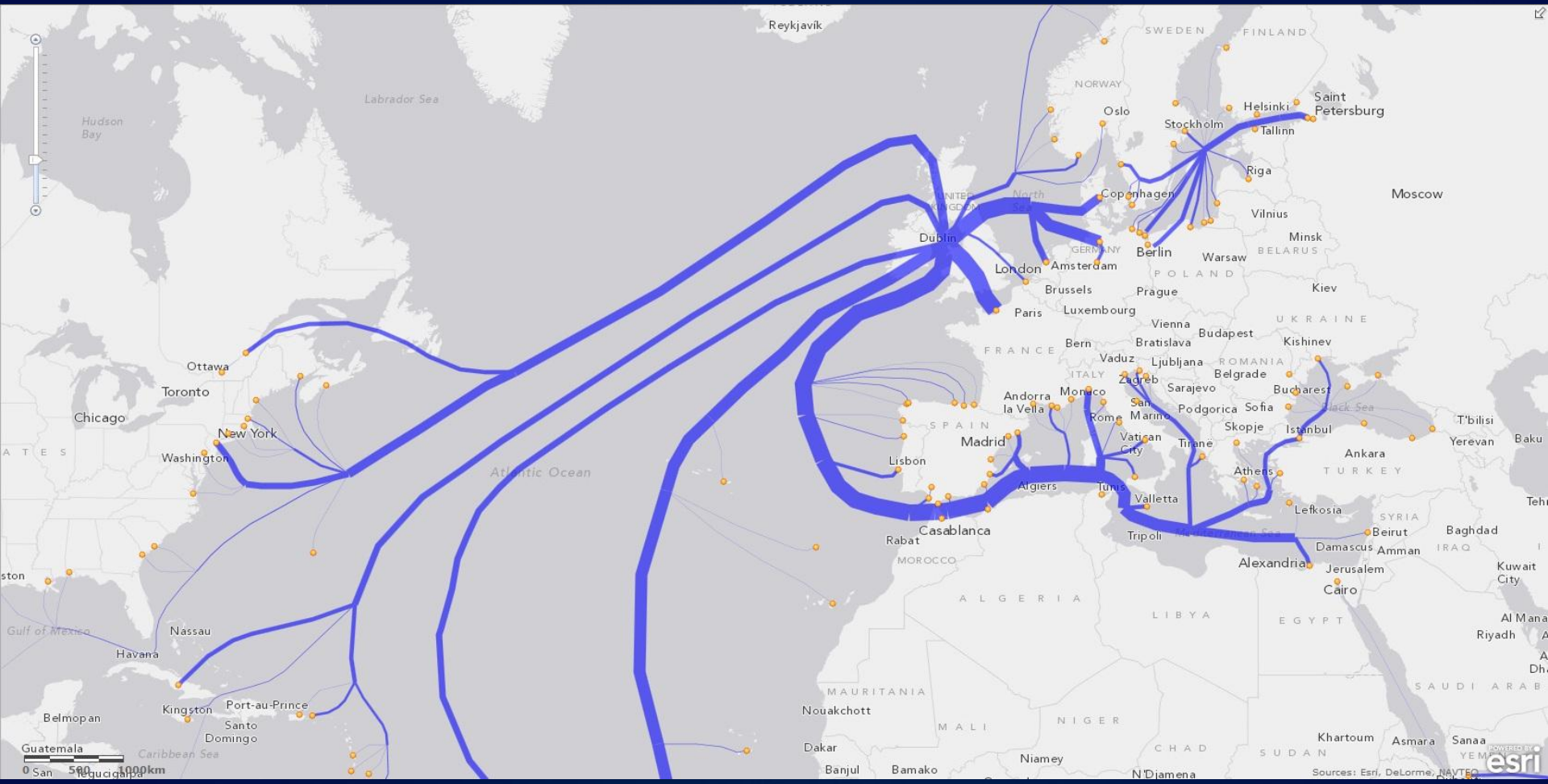
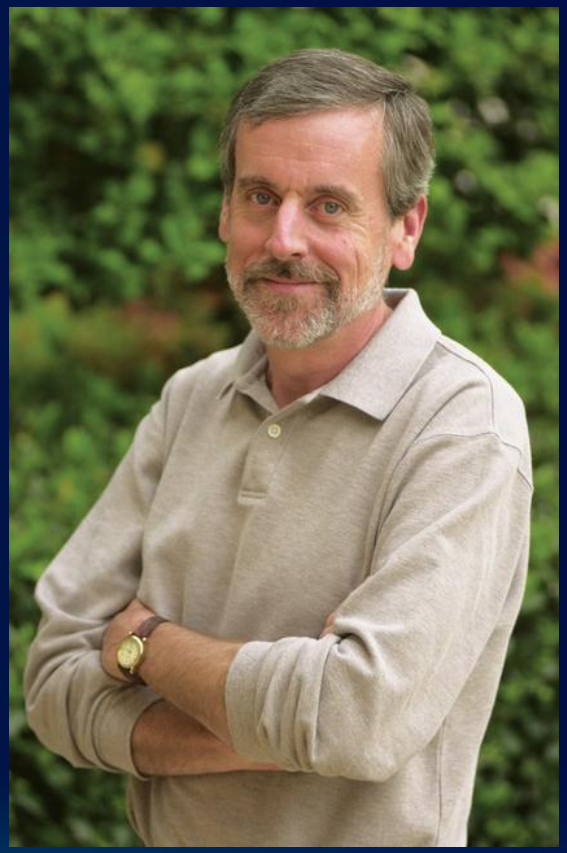
1000km
Sources: Esri, DeLorme, NAVTEQ
esri


Reykjavik
Labrador Sea
Hudson Bay
SWEDEN
FINLAND
NORWAY
Oslo
Helsinki
Saint Petersburg
Stockholm
Tallinn
Riga
Moscow
Copenhagen
Vilnius
Minsk
BELARUS
Dublin
Berlin
Warsaw
London
Amsterdam
POLAND
Brussels
Prague
Kiev
Paris
Luxembourg
Vienna
Budapest
UKRAINE
Bern
Bratislava
Kishinev
FRANCE
Ljubljana
Vaduz
ROMANIA
Belgrade
ITALY
Zagreb
Sarajevo
Bucharest
Andorra la Vella
Monaco
San Marino
Podgorica
Sofia
Rome
Skopje
Istanbul
T'bilisi
Yerevan
Baku
Vatican City
Tirane
Madrid
SPAIN
Ottawa
Toronto
Chicago
New York
Washington
Lisbon
Atlantic Ocean
Ankara
TURKEY
Athens
Algiers
Tunis
Valletta
Lefkosia
SYRIA
Beirut
Baghdad
Tripoli
Damascus
Amman
IRAQ
Casablanca
Rabat
MOROCCO
Alexandria
Jerusalem
Kuwait City
Cairo
ALGERIA
LIBYA
EGYPT
Gulf of Mexico
Nassau
Havana
Riyadh
Al Mana
Kingston
Port-au-Prince
Santo Domingo
Belmopan
Guatemala
Caribbean Sea
MAURITANIA
Nouakchott
MALI
NIGER
CHAD
SUDAN
Khartoum
Asmara
Sanaa
YEMEN
SAUDI ARAB
Dakar
Banjul
Bamako
Niamey
N'Djamena
0 San
500
1000km
Sources: Esri, DeLorme, NAVTEQ
esri

New and Changing Maps

- New Light-Gray “Canvas” Map
- **New National-Geographic Styled Map**



Allen Carroll, Chief Cartographer at Esri

Shenyang
Sapporo
Anshan
Beijing
Tangshan
NORTH KOREA
Sea of Japan (East Sea)
Shijiazhuang
Tianjin
Dalian
P'yongyang
Taiyuan
Seoul
JAPAN
Jinan
Qingdao
Taejon
SOUTH KOREA
Tokyo
Lanzhou
Zibo
Taegu
Yellow Sea
Osaka
Nagoya
Zhengzhou
Busan
Japan Trench
Xi'an
Hiroshima
Fukuoka
CHINA
Nanjing
Suzhou
Chengdu
Wuhan
Hefei
Wuxi
Shanghai
Chongqing
Nanchang
Hangzhou
East China Sea
Changsha
Wenzhou
Guiyang
Fuzhou
Kunming
Taipei
TAIWAN
Guangzhou
Shantou
Taichung
TROPIC OF CANCER
Chittagong
Nanning
Hong Kong
Kaohsiung
MYANMAR (BURMA)
Hanoi
LAOS
Haiphong
Nay Pyi Taw
NORTHERN MARIANA ISLANDS
UNITED STATES
South China Sea
Yangon (Rangoon)
THAILAND
Bangkok
Manila
GUAM
UNITED STATES
CAMB.
Phnom Penh
VIETNAM
Philippine Sea
PHILIPPINES
Mariana Trench
Andaman Sea
Ho Chi Minh City
Cebu
PALAU
BRUNEI
Medan
Kuala Lumpur
Celebes Sea
MALAYSIA
Singapore
SING.
EQUATOR
Samarinda
Palembang
Mamuju
Jakarta
Java Sea
INDONESIA
PAPUA NEW GUINEA
Surabaya
Bandung
Dili

Calgary
Vancouver
Seattle
Portland
Minneapolis
Ottawa
Montréal
Toronto
Milwaukee
Detroit
Boston
Chicago
Cleveland
Pittsburgh
New York
Salt Lake City
Denver
Kansas City
Columbus
Indianapolis
Philadelphia
Sacramento
Saint Louis
Cincinnati
Washington, D.C.
San Francisco
Las Vegas
Los Angeles
Charlotte
Phoenix
Atlanta
San Diego
El Paso
Dallas
Austin
Houston
San Antonio
Orlando
Tampa
Miami
Brownsville
Monterrey
Gulf of Mexico
BAHAMAS
La Habana (Havana)
CUBA
Guadalajara
México City
Puebla
Port-au-Prince
HAITI
DOMINICAN REPUBLIC
JAMAICA
Kingston
PUERTO RICO UNITED STATES
Santo Domingo
BELIZE
GUATEMALA
Guatemala City
HONDURAS
Caribbean Sea
San Salvador
EL SALVADOR
Tegucigalpa
NICARAGUA
Managua
COSTA RICA
San José
Barranquilla
Panama City
Maracaibo
Caracas
Valencia
TRINIDAD AND TOBAGO
NORTH ATLANTIC
Sohm Plain
Hatteras Plain
North American Basin
Sargasso Sea
TROPIC OF CANCER
Guiana Basin
Albatross Plateau
Mexico Basin
UNITED STATES
MEXICO
MOUNTAINS
GREAT PLAINS
GREAT BASIN
APPALACHIAN MOUNTAINS
COASTAL PLAIN

Antalya
Lefkosia
(Nicosia, Lefkoşa)
CYPRUS
Aleppo
SYRIA
Mosul
Karaj
Tehran
Mashhad
ZAGROS MOUNTAINS
Beirut
LEBANON
Damascus
Baghdad
ISRAEL
Tel Aviv-Yafo
W.B.
Amman
SYRIAN DESERT
IRAQ
Isfahan
IRAN
Ghazzah
(Gaza City)
Jerusalem
(Yerushalayim, Al Quds)
JORDAN
Euphrates
Ahvaz
Alexandria
Cairo
El Giza
Basra
Kerman
Kuwait City
Shiraz
Zahedan
AL JAWF
NORTHERN
BORDERS
KUWAIT
EGYPT
TABUK
HA IL
Persian Gulf
Ad Dammam
BAHR
Al Manamah
QATAR
Dubai
AL
QASIM
Ad Dawhah
AL
MADINAH
Medina
Riyadh
Abu Dhabi
Gulf of
Oman
UNITED ARAB
EMIRATES
TROPIC OF CANCER
Muscat
Red Sea
AR RIYAD
EASTERN
PROVINCE
MAKKAH
Jeddah
Mecca
SAUDI ARABIA
OMAN
Nile
AL BAHAH
ASIR
NAJRAN
JIZAN
SUDAN
ERITREA
Asmara
Sanaa
YEMEN
Khartoum

FAROE ISLANDS
DENMARK
SWEDEN
FINLAND
NORWAY
Oslo
Helsinki
St. Petersburg
Stockholm
ESTONIA
Riga
LATVIA
North Sea
Baltic Sea
Copenhagen
DENMARK
LITHUANIA
Vilnius
Moscow
Nizhniy Novgorod
UNITED KINGDOM
Dublin (Baile Átha Cliath)
Leeds
Manchester
Amsterdam
IRELAND
Birmingham
London
Brussels
NETH.
Cologne
Hamburg
Berlin
GERMANY
Warsaw
POLAND
Minsk
BELARUS
Tol'yatti
Samara
Saratov
BELG.
Frankfurt
Prague
Katowice
CZECH REP.
LUX.
Mannheim
Paris
Stuttgart
Munich
Vienna
SLOVK.
Kiev
UKRAINE
Donetsk
Volgograd
AUSTRIA
Budapest
MOLD.
Chişinău
Rostov na Donu
SWITZ.
HUNGARY
ROMANIA
FRANCE
SLOV.
CRO.
Milan
Torino
ITALY
Zagreb
Belgrade
Bucharest
BOSN. & HERZG.
SERB.
SAN MARINO
Sarajevo
Monaco
BULGARIA
Black Sea
ANDORA
MONT.
Pristina
Sofia
GEORGIA
Tbilisi
Caspian Sea
Rome
MACED.
Istanbul
Madrid
Barcelona
Naples
ALBAN.
ARM.
Baku
AZERBAIJAN
PORTUGAL
Lisbon
SPAIN
Bursa
Ankara
Yerevan
Mediterranean Sea
GREECE
Izmir
TURKEY
Athens
Algiers
Tunis
MALTA
CYPRUS
Aleppo
Mosul
Beirut
SYRIA
Tehran
Rabat
TUNISIA
Casablanca

Paris
Saarbrücken
Mannheim
Stuttgart
Munich
Vienna
Bratislava
Kosice
Budapest
Debrecen
Oradea
Graz
Zürich
Vaduz
Bern
SWITZERLAND
AUSTRIA
HUNGARY
SLOVAKIA
CZECHIA
Ljubljana
SLOVENIA
Zagreb
CROATIA
Belgrade
Lyon
Mont Blanc
4807 m
Torino
Milan
Venice
Gulf of Venice
Genoa
Bologna
San Marino
SAN MARINO
Florence
Monaco
Ligure Sea
Marseille
Gulf of Lions
Corso-Ligurian Basin
CORSE
Corsica
ITALY
Adriatic Sea
Banja Luka
BOSNIA AND HERZEGOVINA
SERBIA
Sarajevo
Prishtina
KOSOVO
Podgorica
MONTENEGRO
Skopje
MACEDONIA
ALBANIA
Tiranë
Bari
Rome
Vatican City
Naples
Barcelona
Western Basin
Sassari
Sardinia
Tyrrhenian
Gulf of Taranto
Balearic Sea
BAYERN
BADEN-WÜRTTEMBERG
ALSACE
LORRAINE
CHAMPAGNE-ARDENNE
FRANCHE-COMTÉ
BOURGOGNE
AUVERGNE
RHÔNE-ALPES
PROVENCE-ALPES-CÔTE D'AZUR
LANGUEDOC ROUSSILLON
Danube
CARPATHIAN MOUNTAINS

New and Changing Maps

- New Light-Gray “Canvas” Map
- New National-Geographic Styled Map
- **New Oceans Basemap**

Dawn Wright, Esri’s Chief Scientist

Hudson Bay
Labrador Basin
Labrador Sea
NORTH ATLANTIC OCEAN
North Sea
EUROPE
Mid-Atlantic Ridge
North American Basin
Mediterranean Sea
Gulf of Mexico
Sargasso Sea
AFRICA
Caribbean Sea
Arabian Sea
SOUTH AMERICA
Peru Basin

Hatteras
Plain
5648
Bermuda Rise
North Am
Basi
Houston
Gulf of
Mexico
Miami
Bahamas
3293
Sargasso S
Mexico
Basin
4011
Havana
Cuba
Turks and
Caicos Islands
Nares Plain
Puerto Rico Trench
8201
Port-au-Prince
Santo Domingo
Greater Antilles
Lesser Antilles
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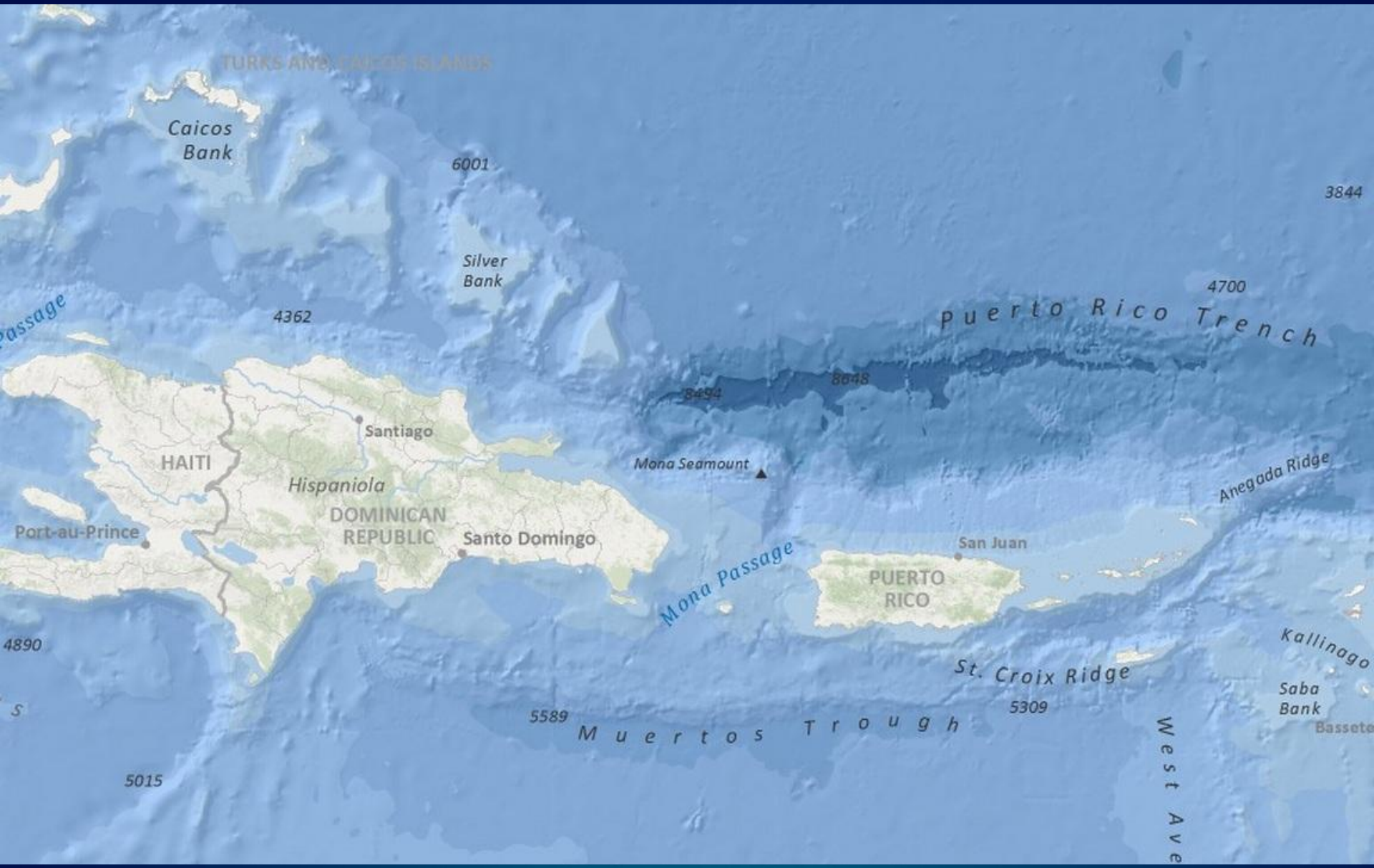
Honduras
Guatemala
Middle America Trench
Nicaragua
Costa
Rica
Caracas


Caicos
Bank
6001
3844
Silver
Bank
4362
4700
Puerto Rico Trench
8494
8648
Santiago
HAITI
Hispaniola
Mona Seamount
Anegada Ridge
DOMINICAN
REPUBLIC
Port-au-Prince
Santo Domingo
San Juan
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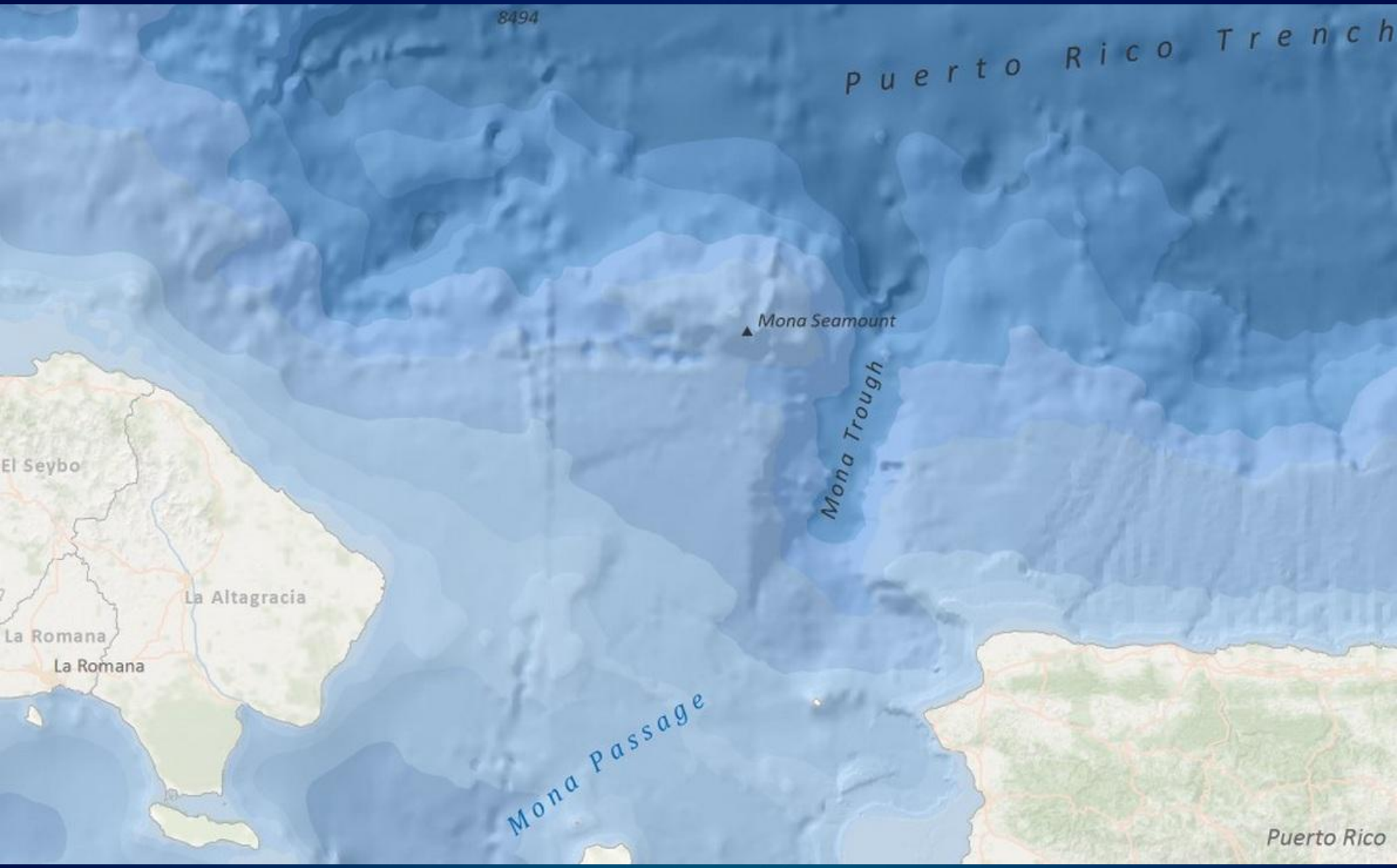
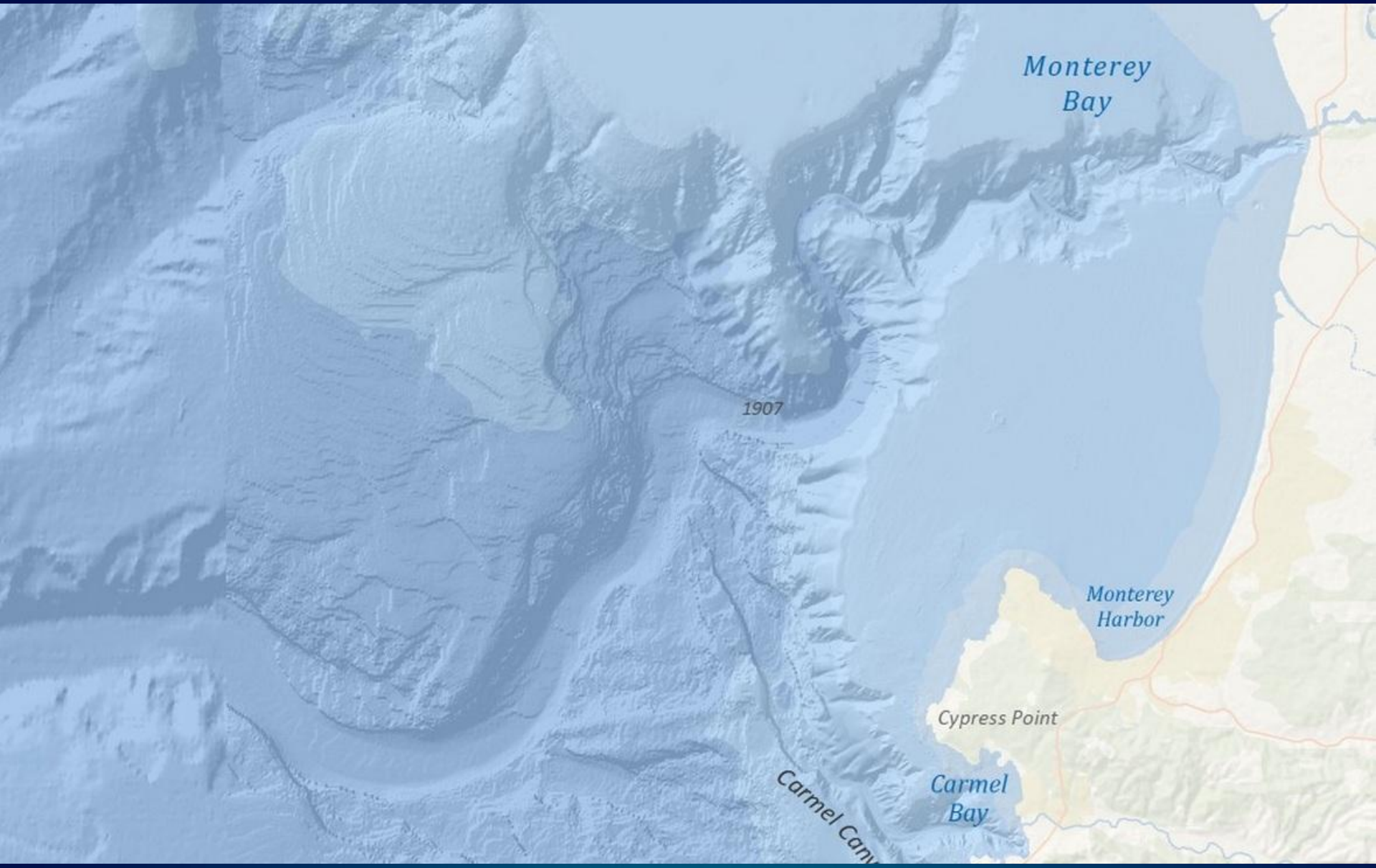
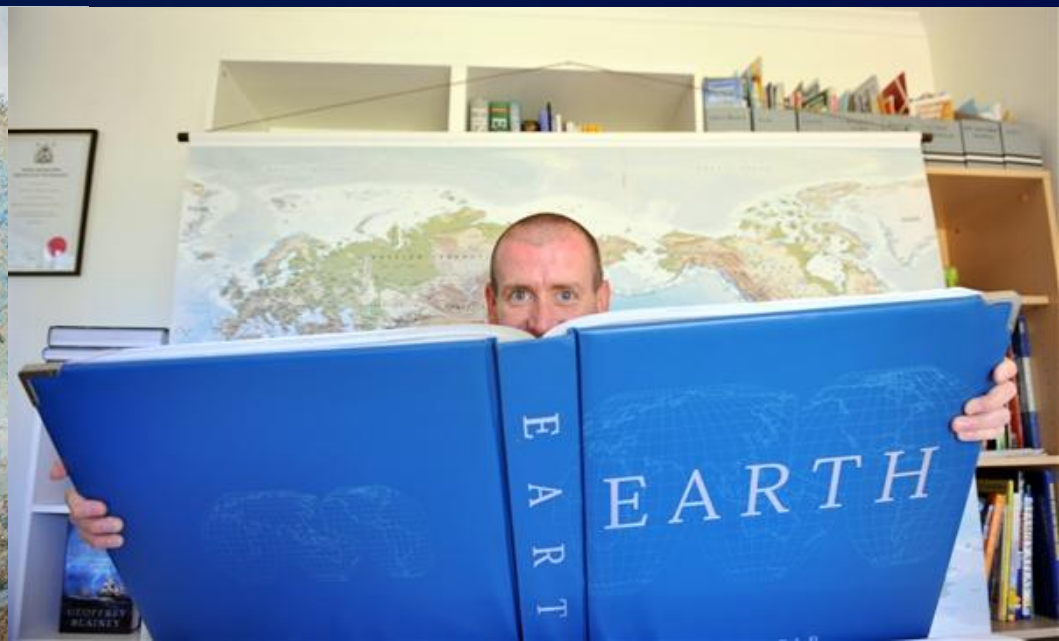
Kallinago
St. Croix Ridge
Saba
Bank
5309
5589
Muertos Trough
5015


8494
Puerto Rico Trench
Mona Seamount
Mona Trough
El Seybo
La Altagracia
La Romana
La Romana
Mona Passage
Puerto Rico


Monterey
Bay
1907
Monterey
Harbor
Cypress Point
Carmel
Bay

New and Changing Maps

- New Light-Gray “Canvas” Map
- New National-Geographic Styled Map
- New Oceans Basemap
- **New World Topographic Map Design (provisional)**
  - **Damien Demaj is leading the redesign effort**



Design Objectives

Maintain the 'look and feel' of a traditional topographic map

A functional and simple design that can be implemented by our community of contributors

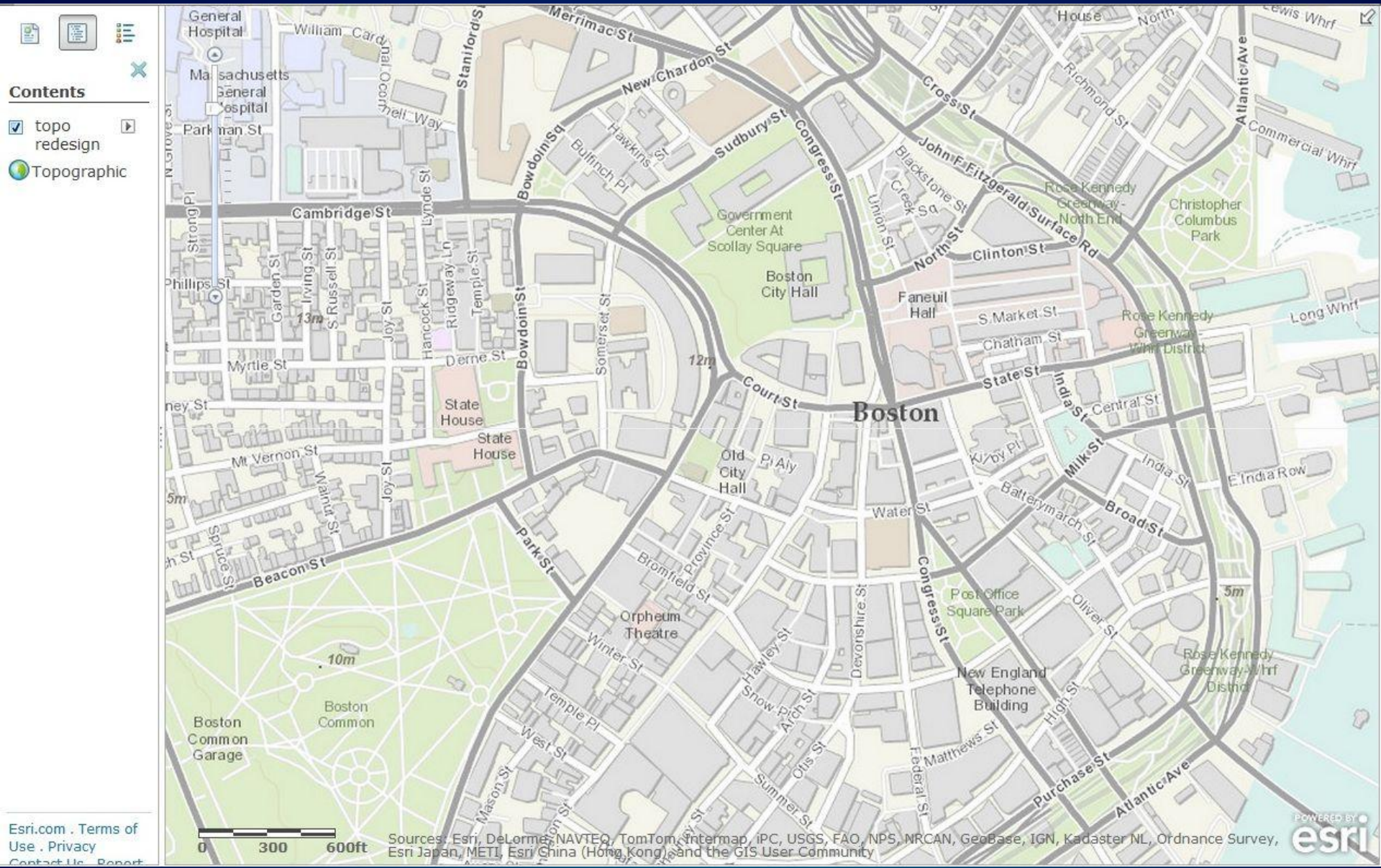
Compliment Esri's existing suite of basemaps

Limit the number of changes as the scale increase

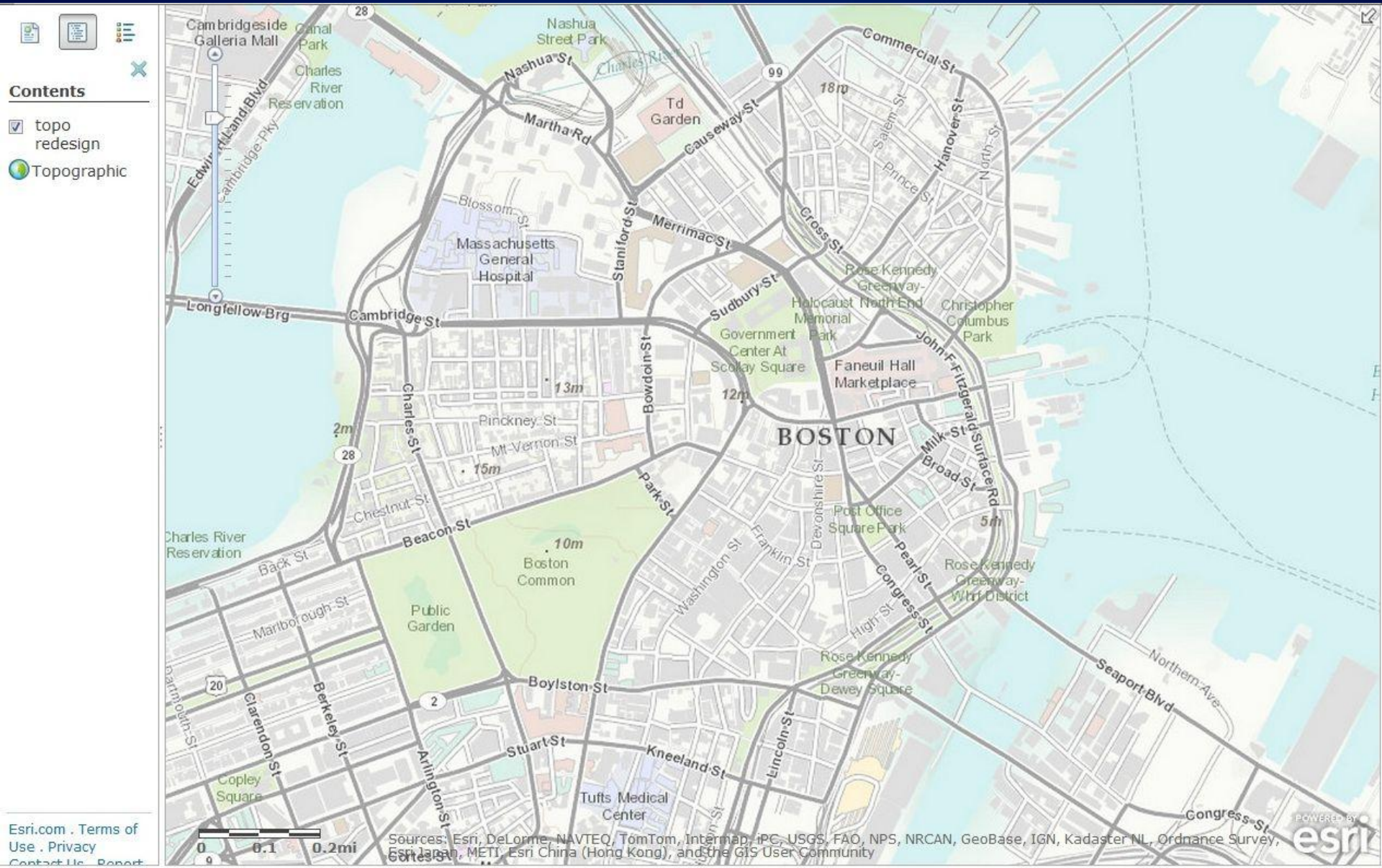
Respect and maintain characteristics of the current design

Bottom line –
the design MUST look great!

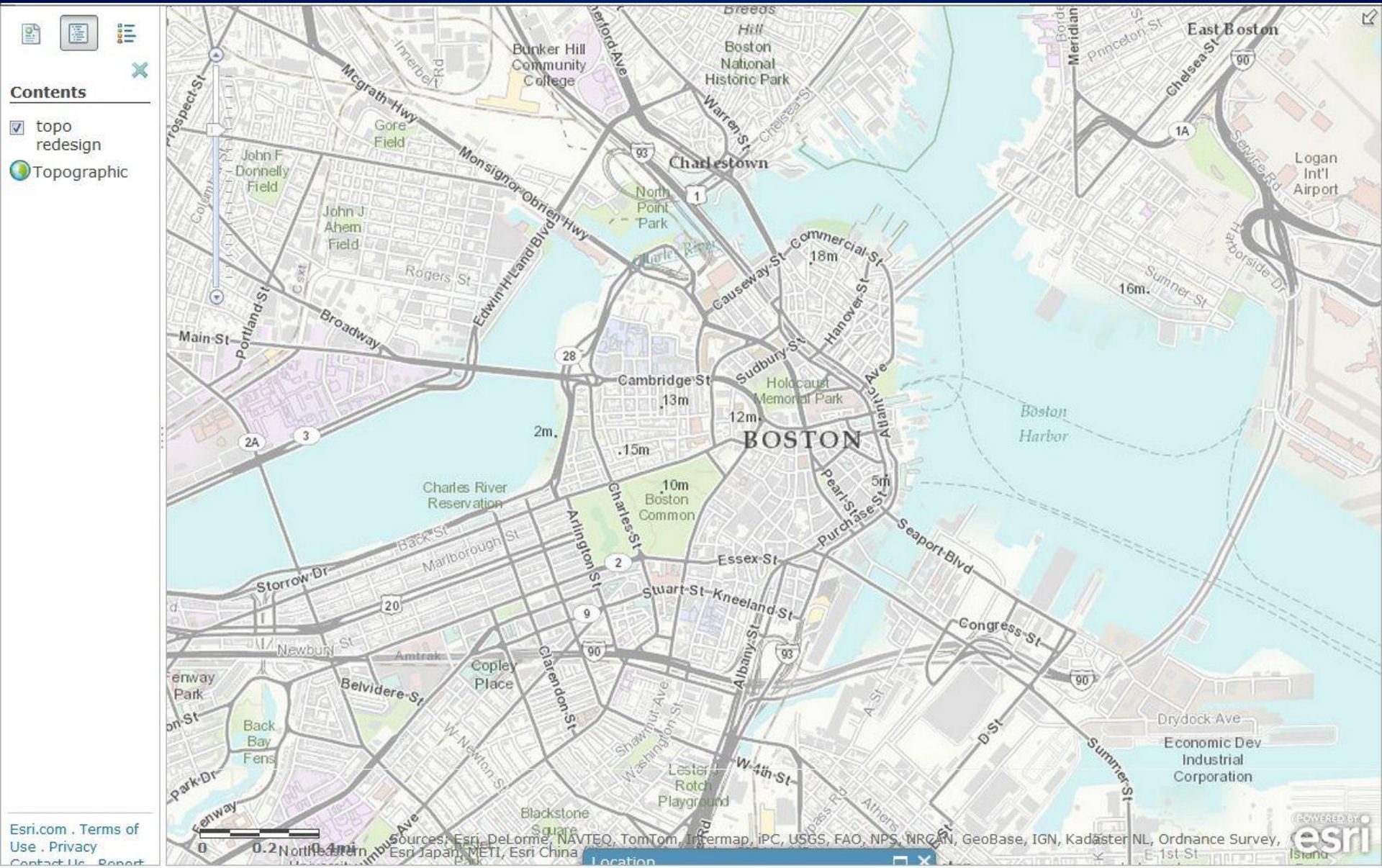
Boston: 1:4OOO



Boston: 1:9OOO



Boston: 1:18,OOO



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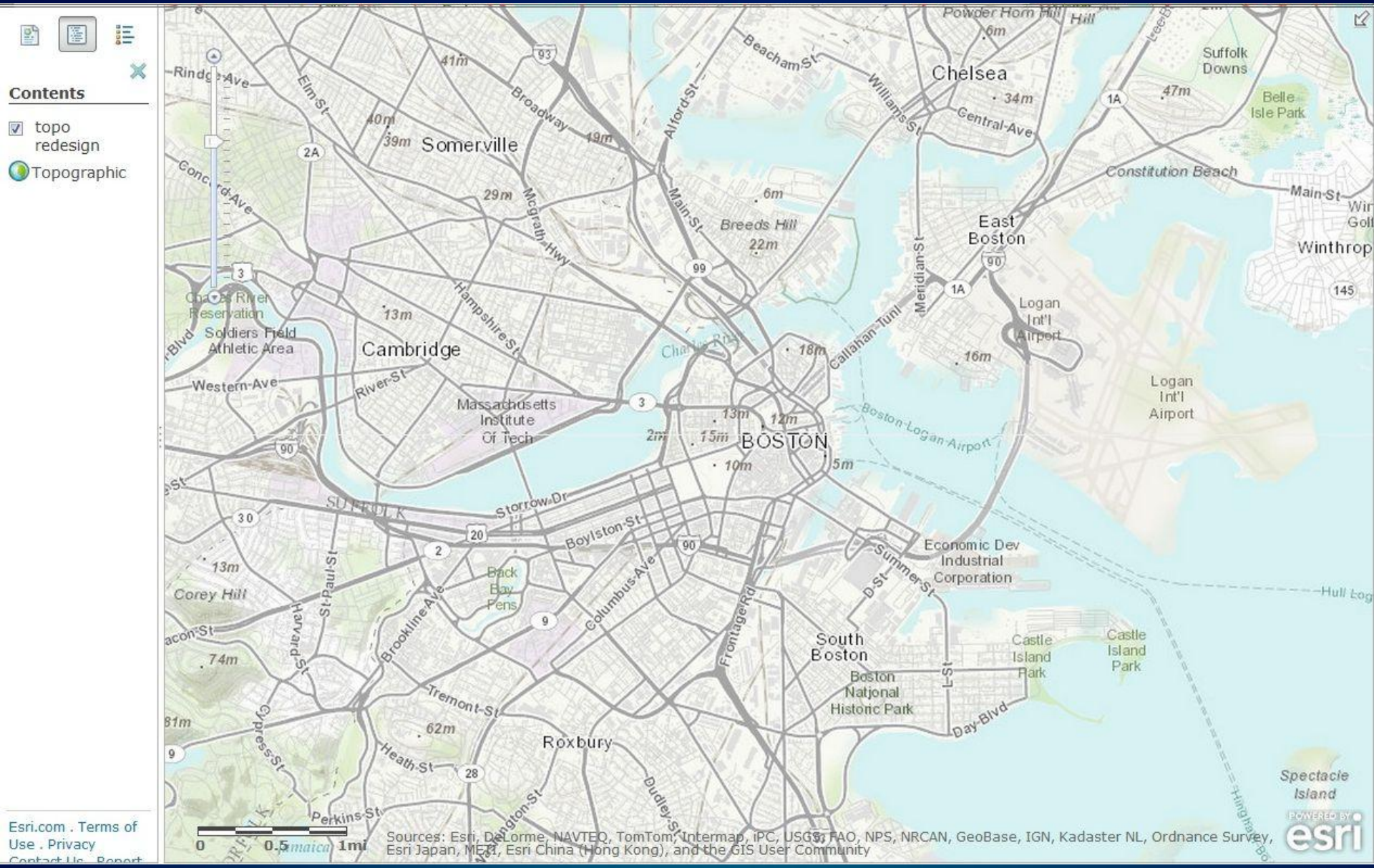

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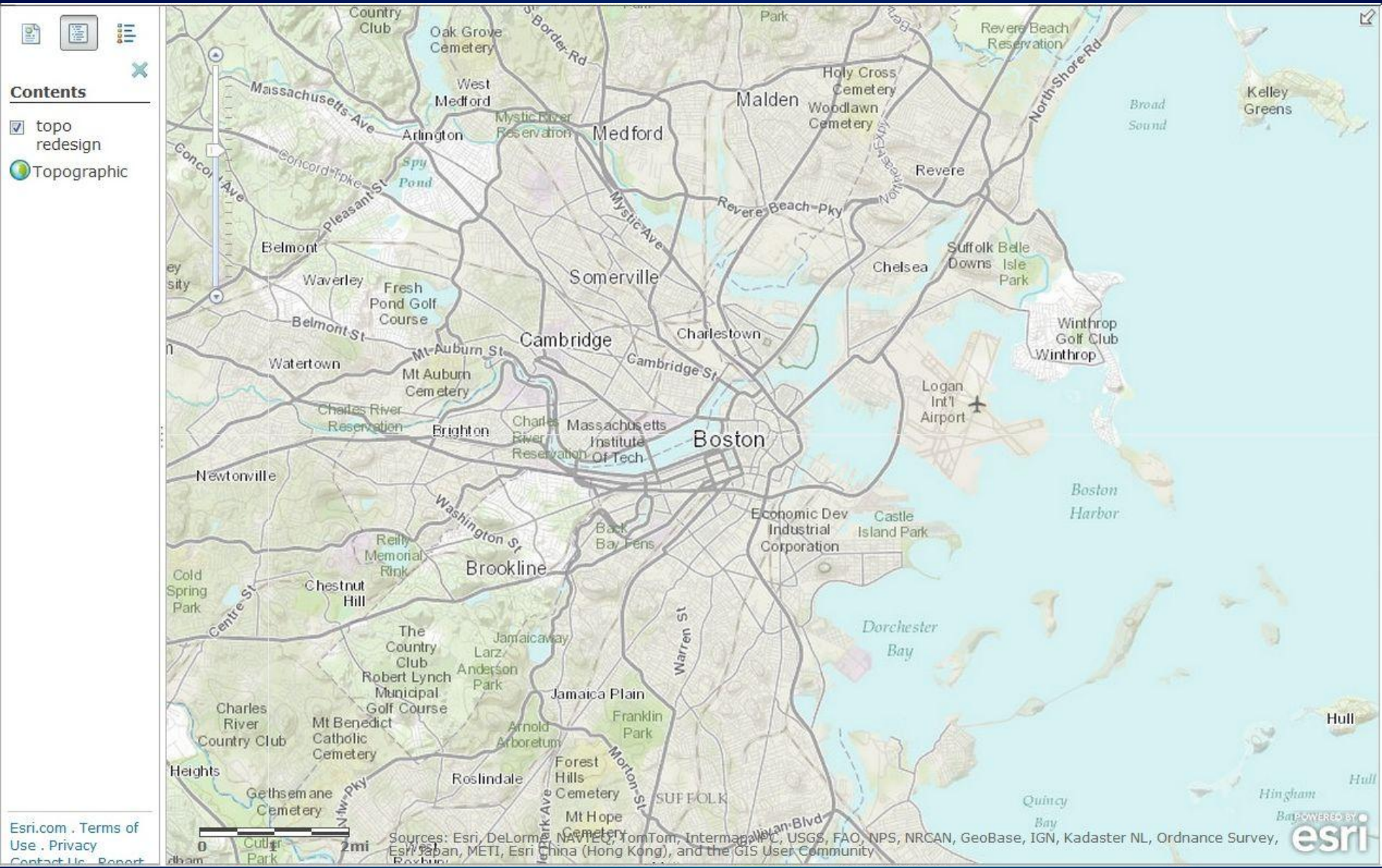
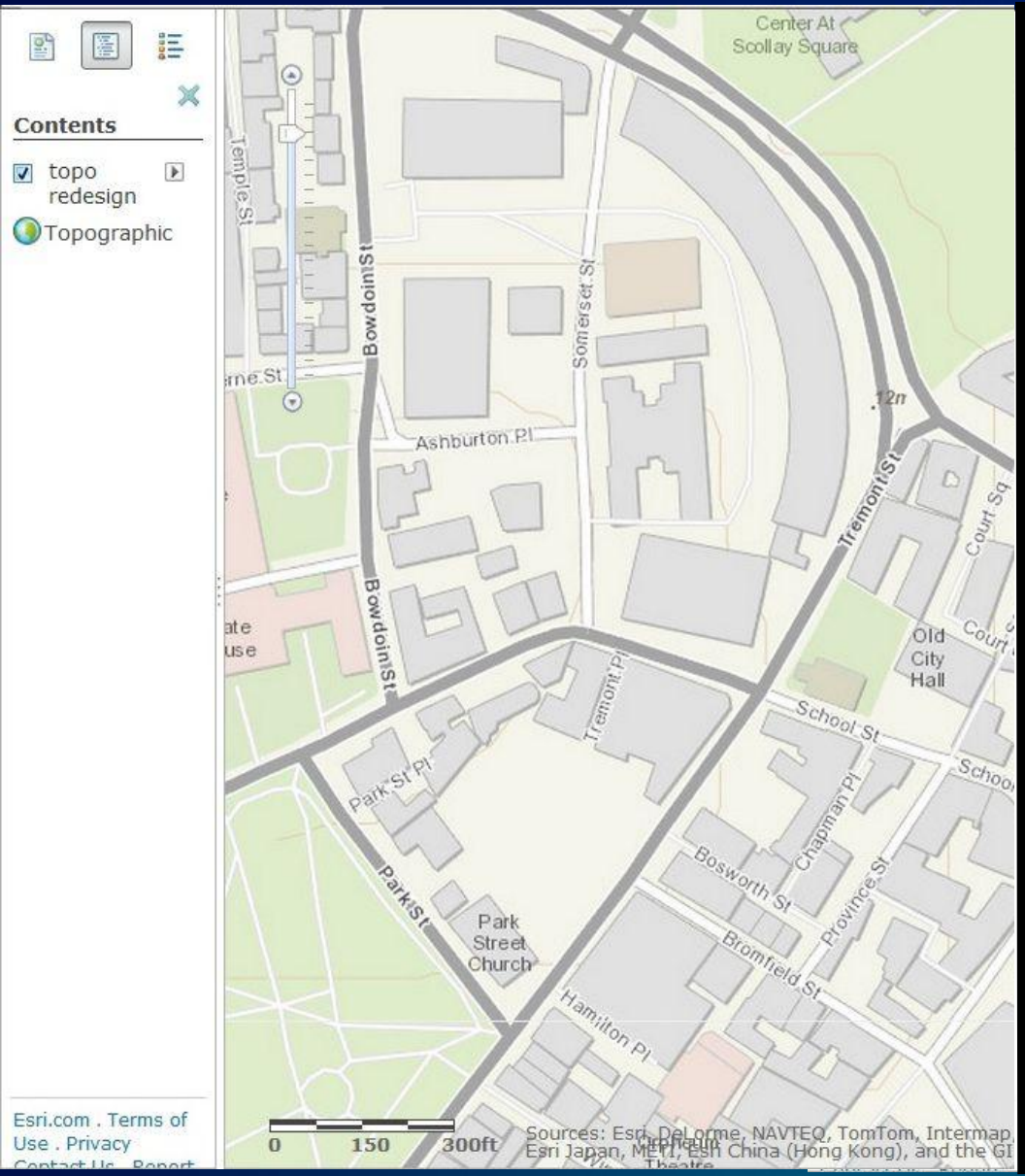


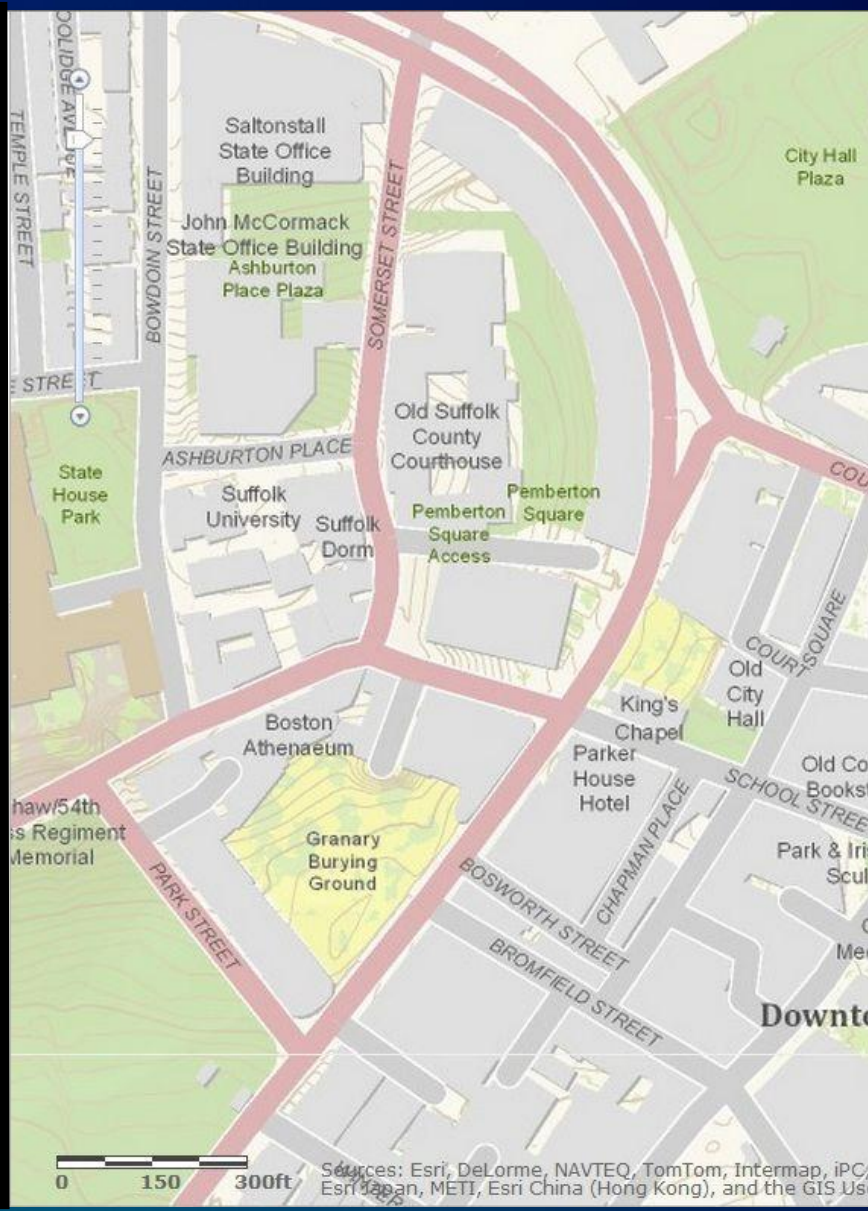
Boston: 1:144,OOO

New

Old

Esri Proprietary Information





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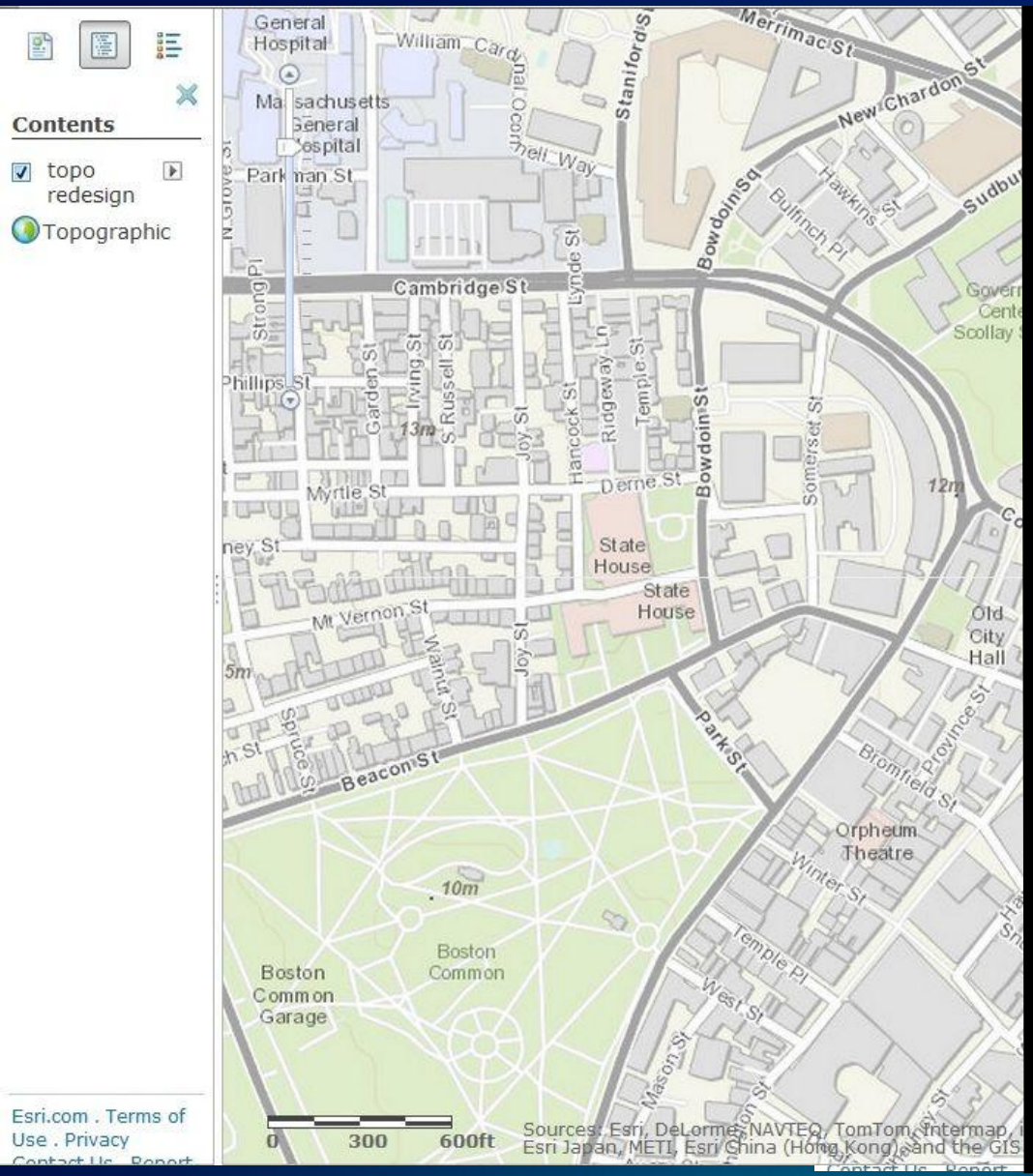

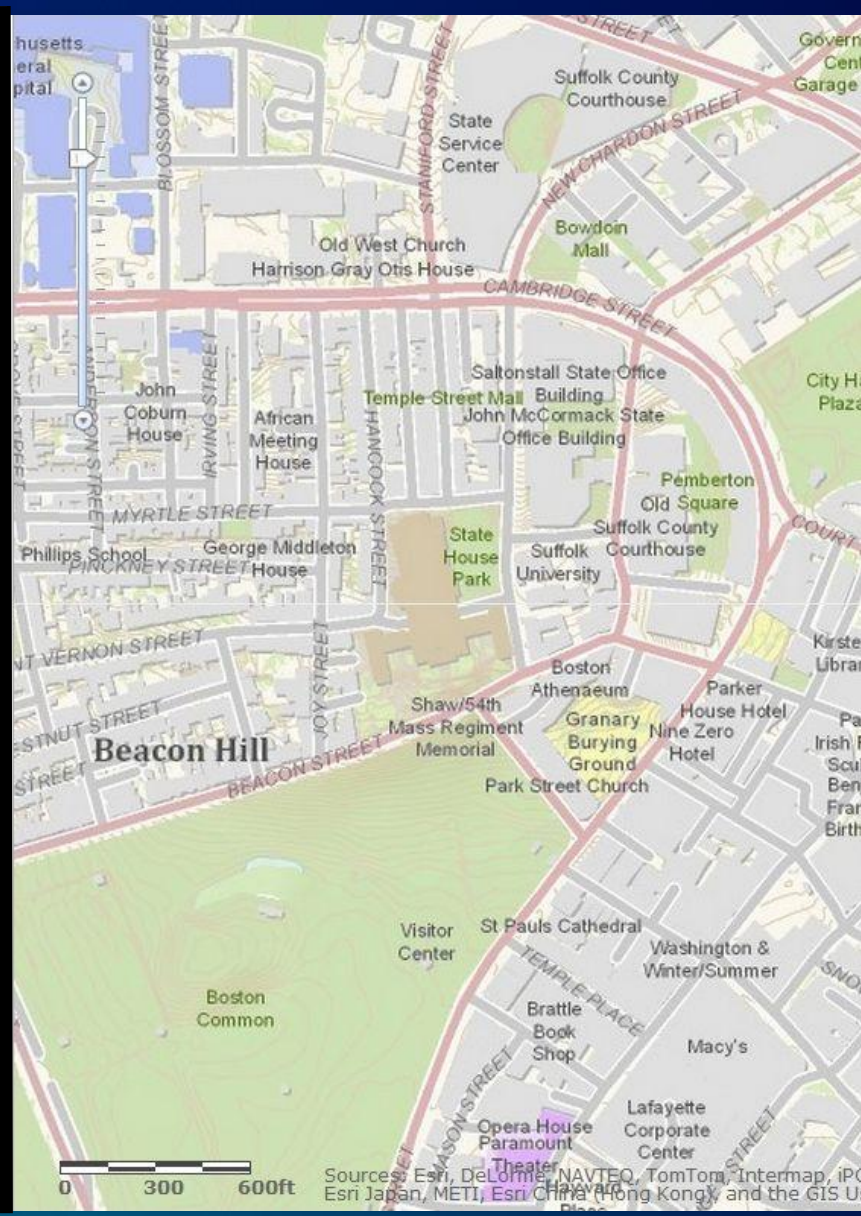

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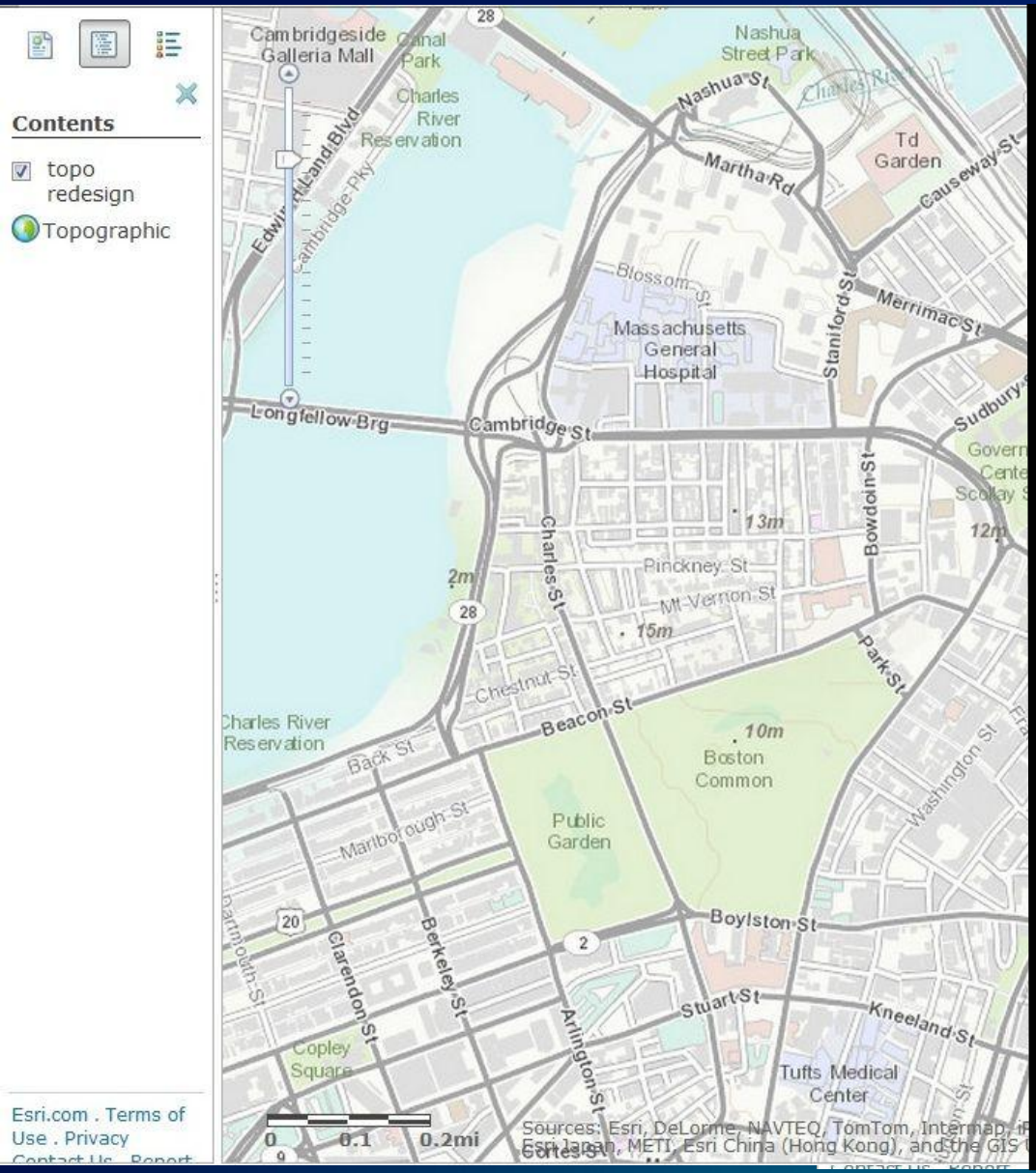

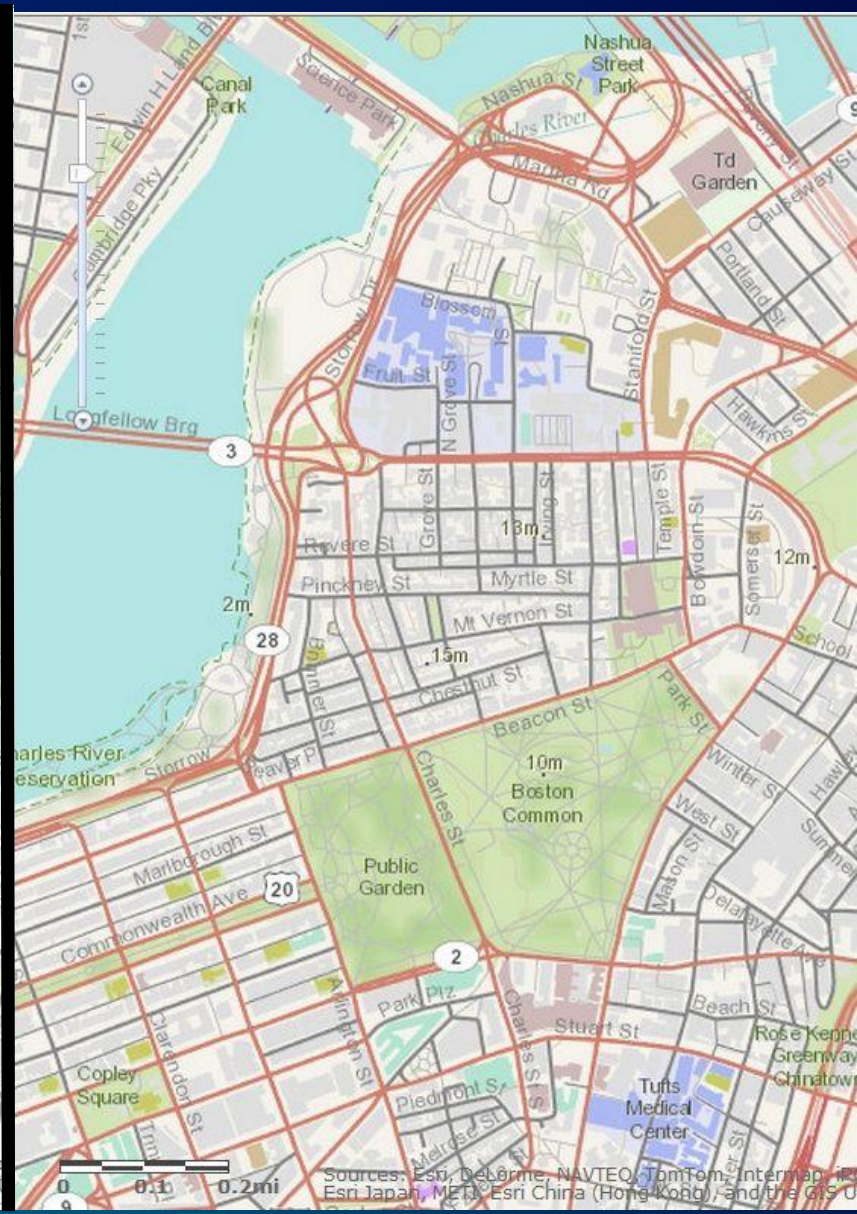

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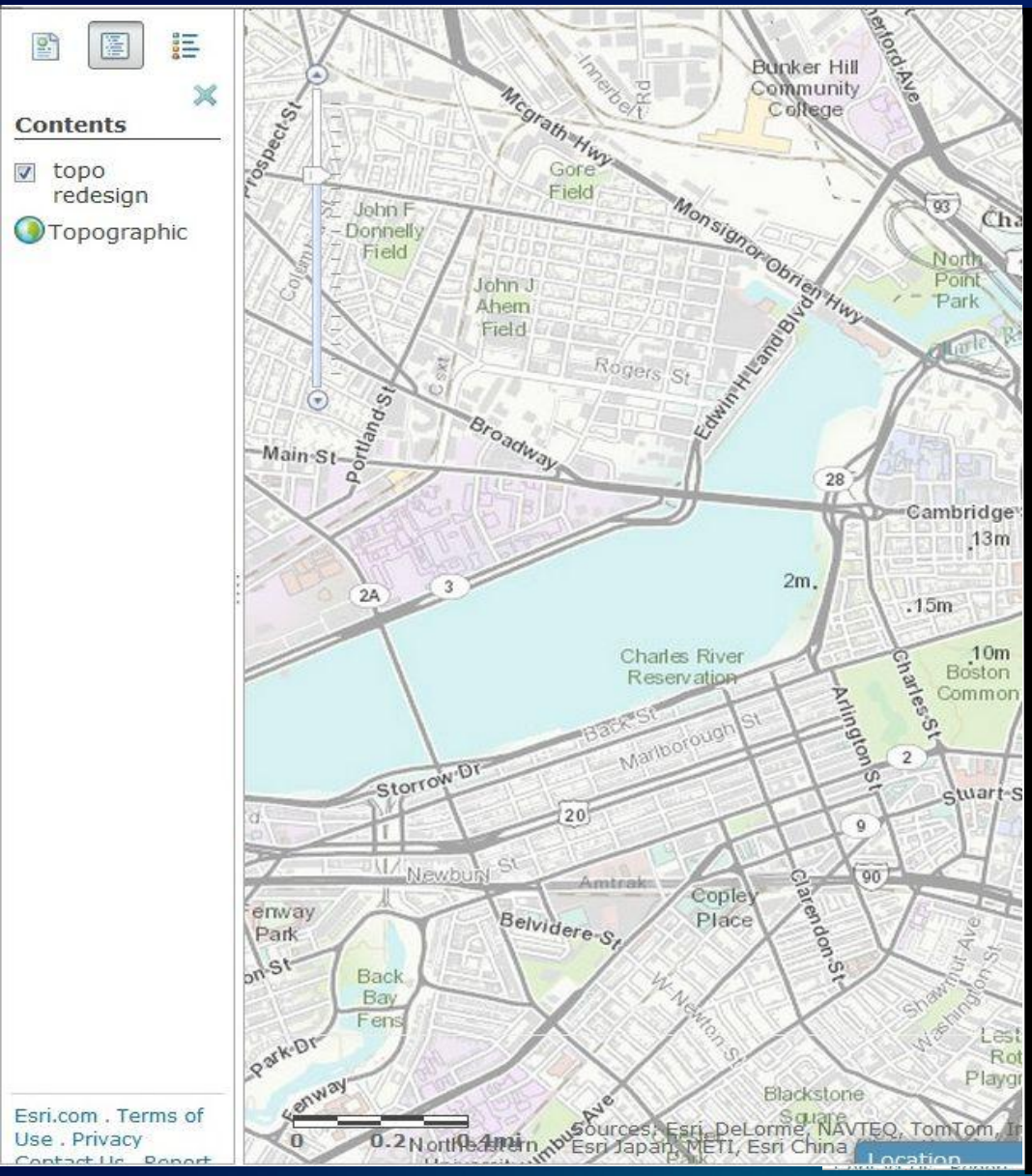

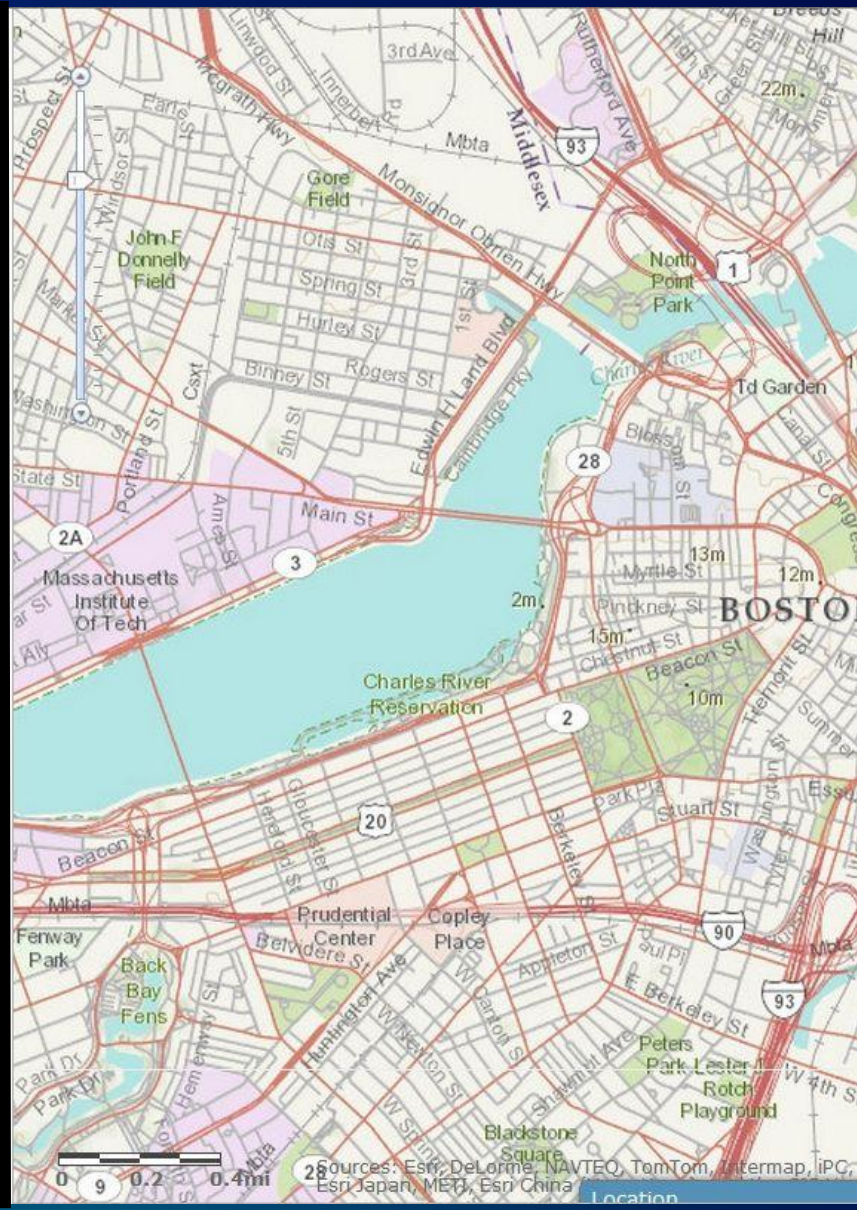

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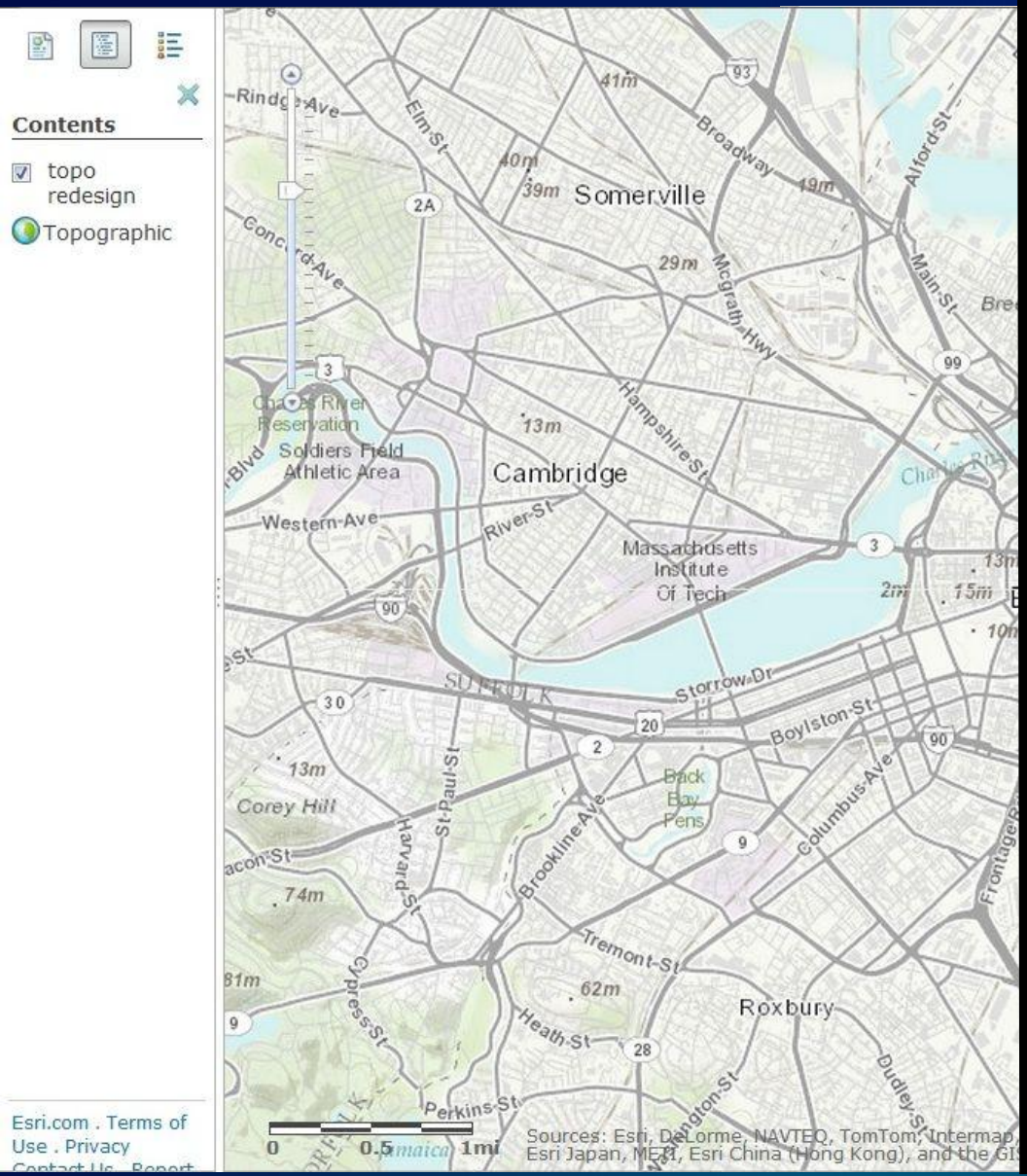

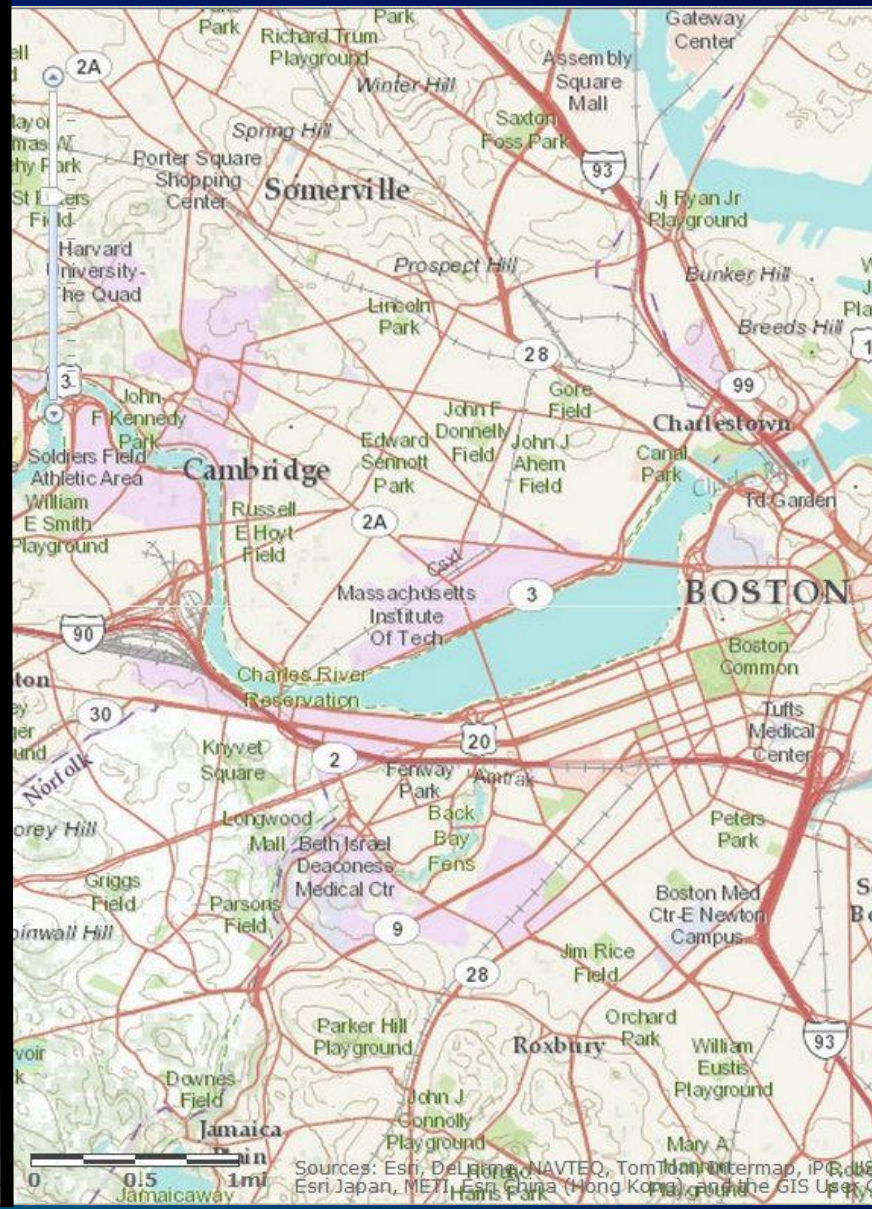

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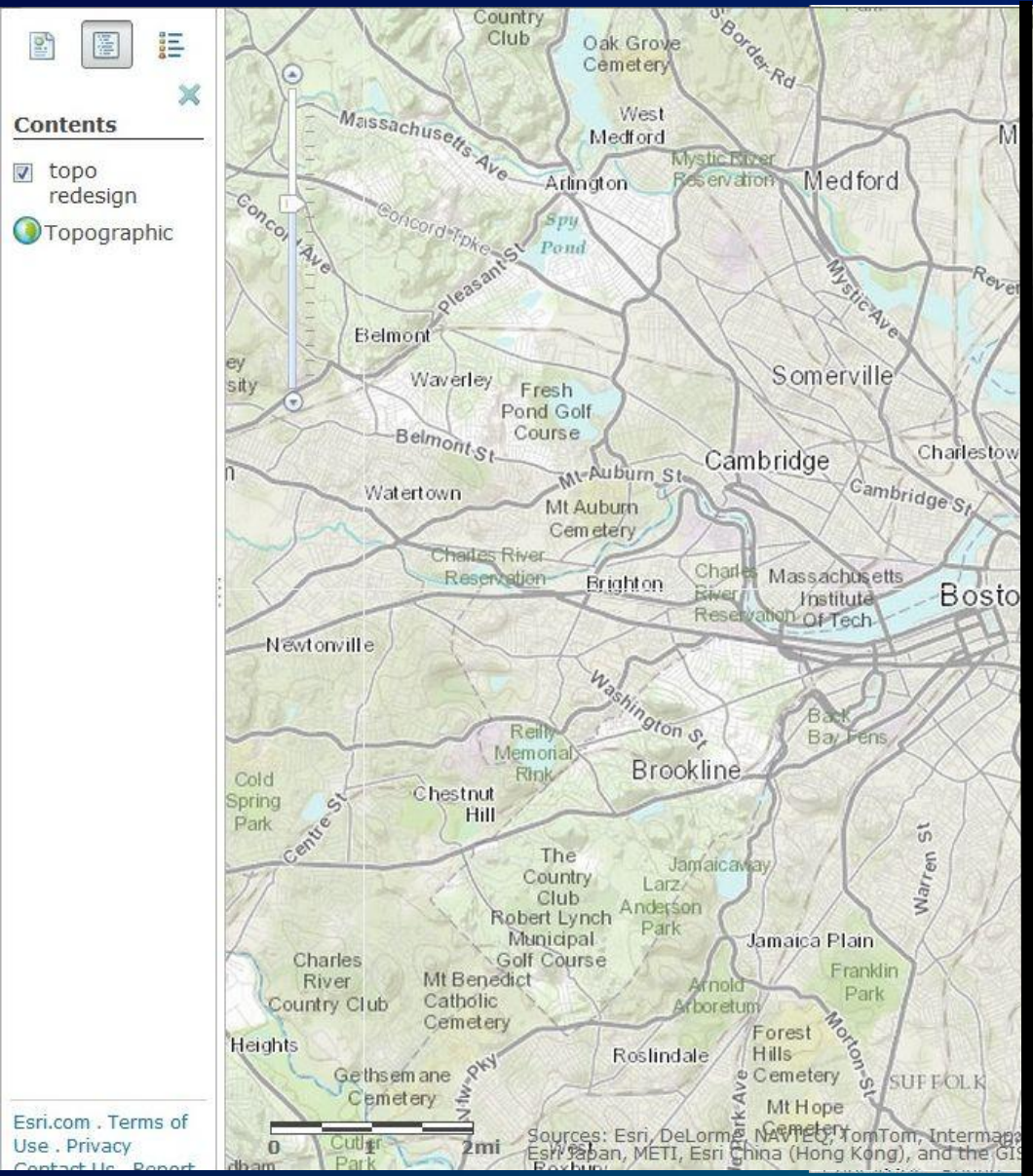


Boston: 1:144,OOO

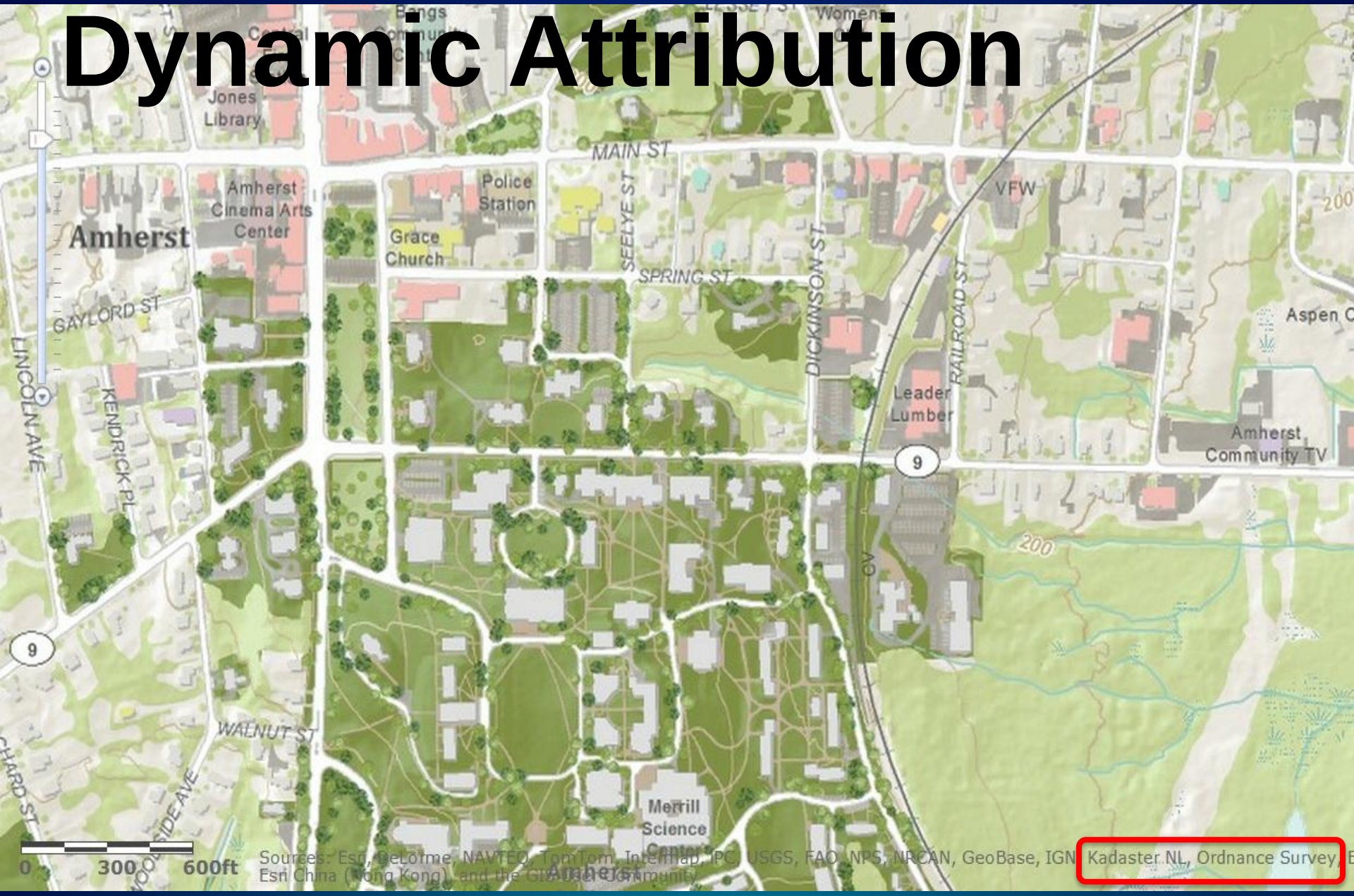
Agenda

Program Status

New and Changing Maps

Community Maps 2.0

Dynamic Attribution



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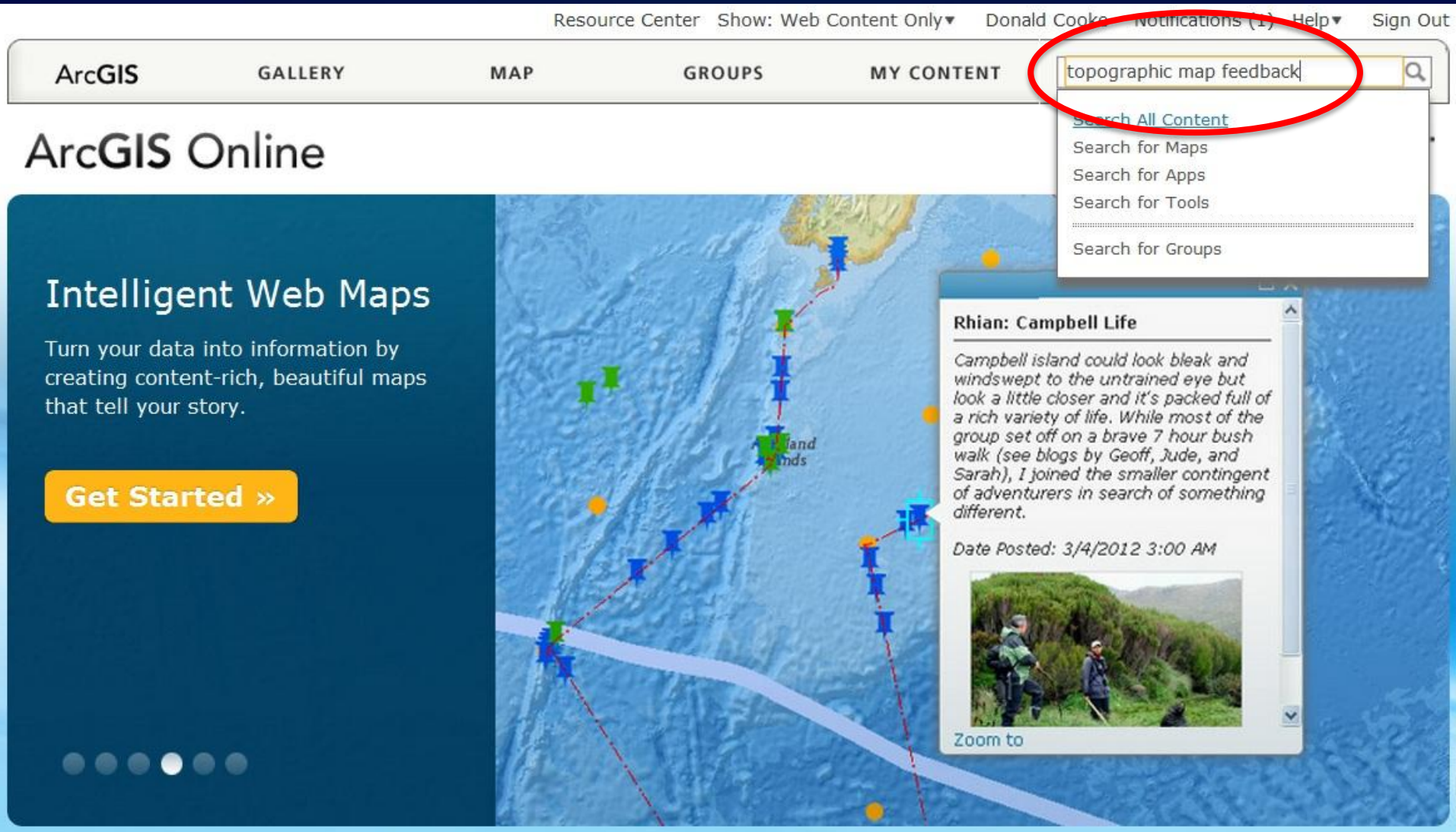

Issue Reporting / Feedback:

Search Results

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Find items published by Esri related to "topographic map feedback"

Find groups related to "topographic map feedback"

40 results for 'topographic map feedback'

Relevance Title Owner Rating Views Date

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Topographic

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

Web Map by esri
Last Modified: February 16, 2012
★★★★★ (23 ratings, 1 comment, 660,074 views)

Open ▾ Details

World Topographic Map

This world topographic map (aka "the community basemap") includes boundaries, cities, water features, physiographic features, parks, landmarks, transportation, and buildings.

Map Service by esri
Last Modified: April 2, 2012
★★★★★ (42 ratings, 2 comments, 194,967 views)

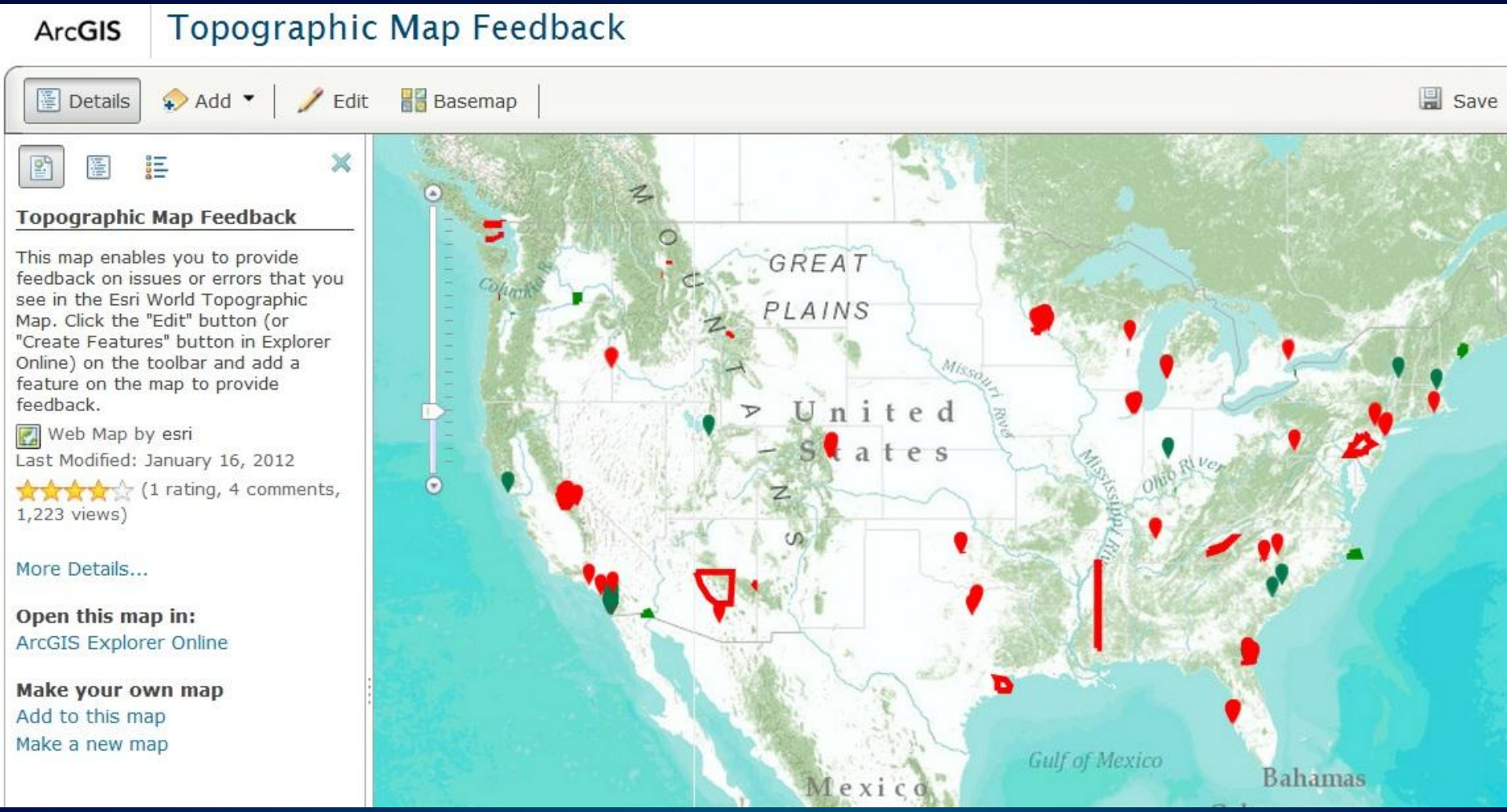
Open ▾ Details

Topographic Map Feedback

This map enables you to provide feedback on issues or errors that you see in the Esri World Topographic Map. Click the "Edit" button (or "Create Features" button in Explorer Online) on the toolbar and add a feature on the map to provide feedback.

Web Map by esri
Last Modified: January 16, 2012
★★★★☆ (1 rating, 4 comments, 1,192 views)

Issue Reporting / Feedback:



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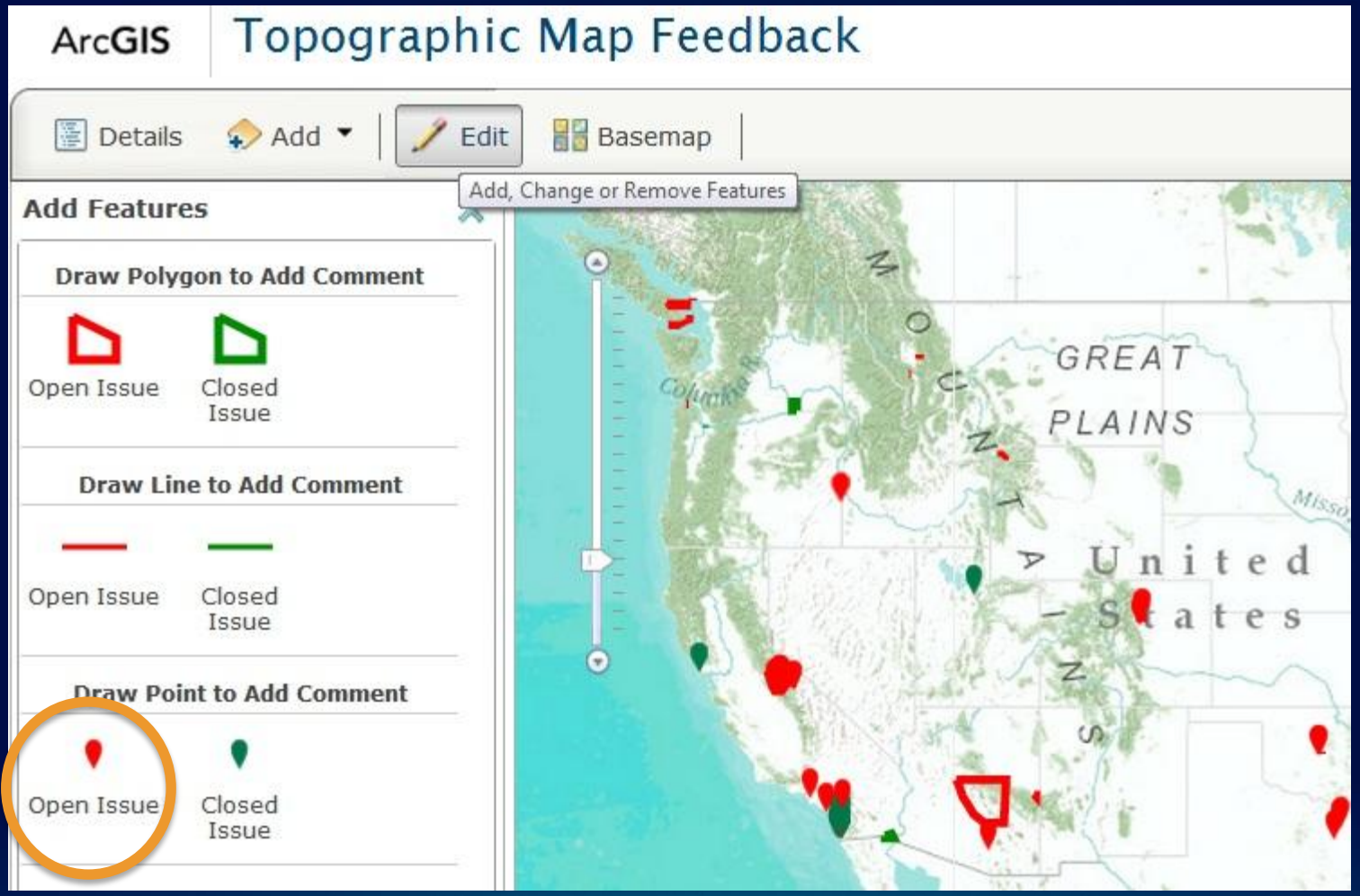

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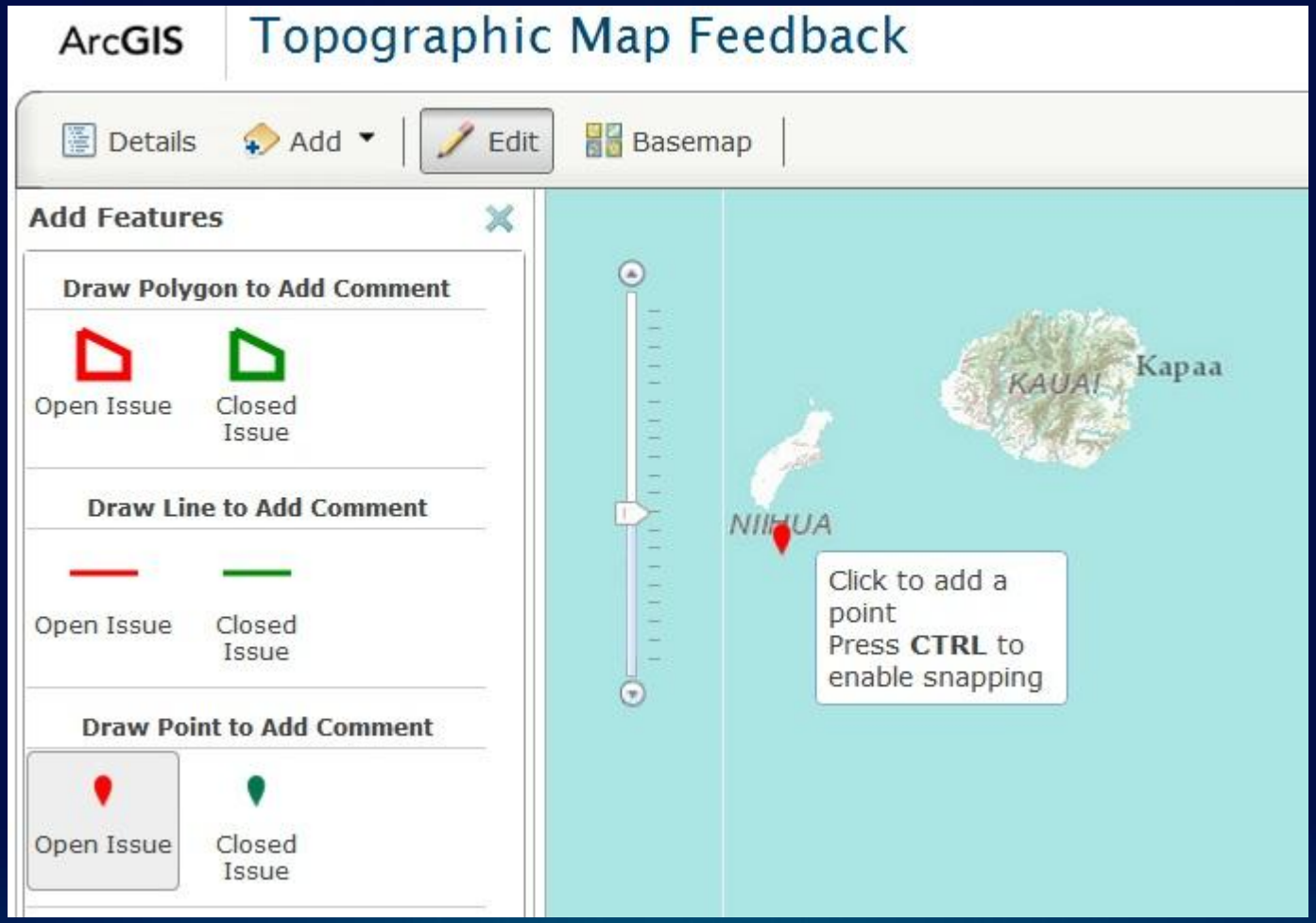

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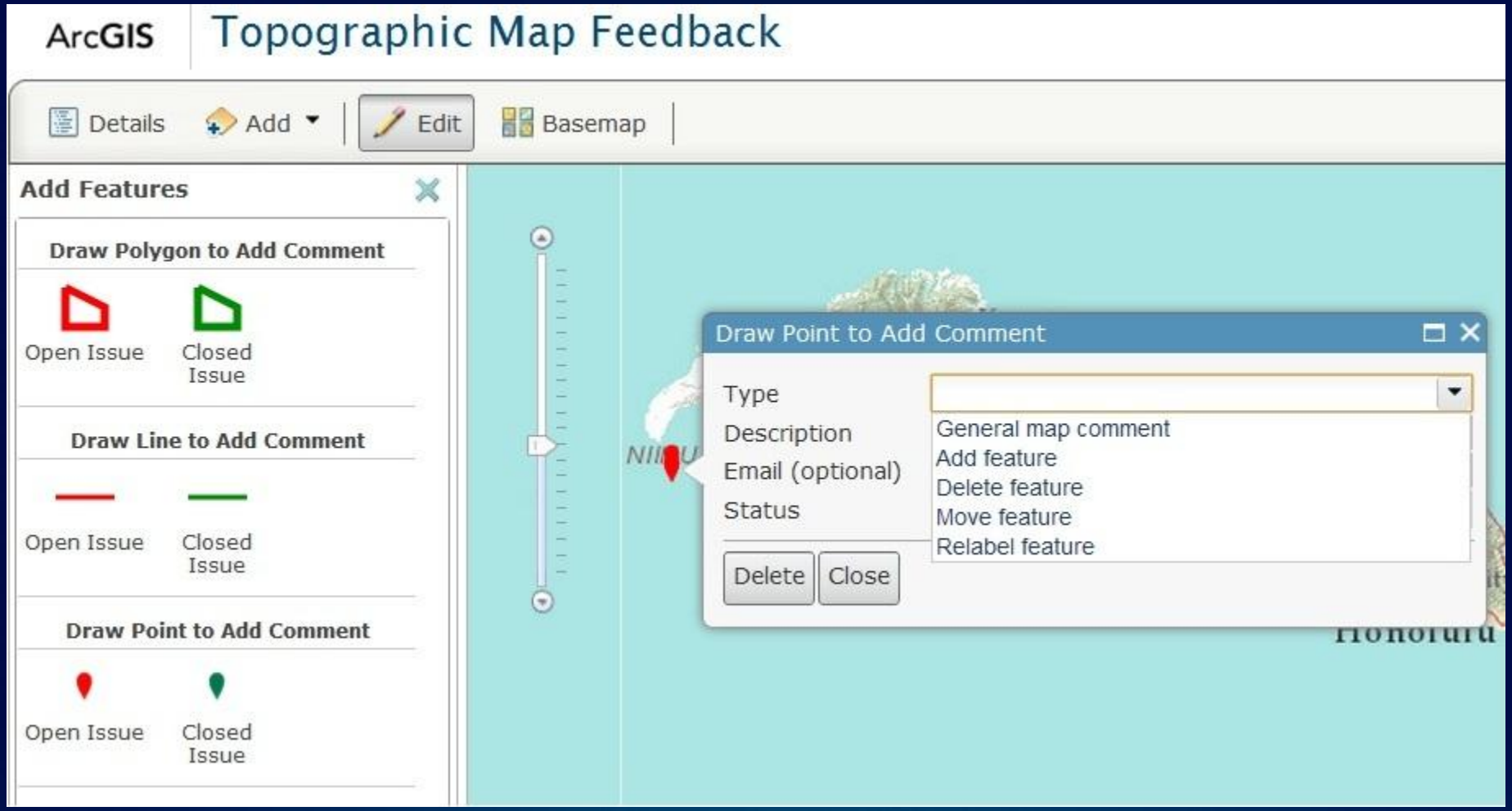

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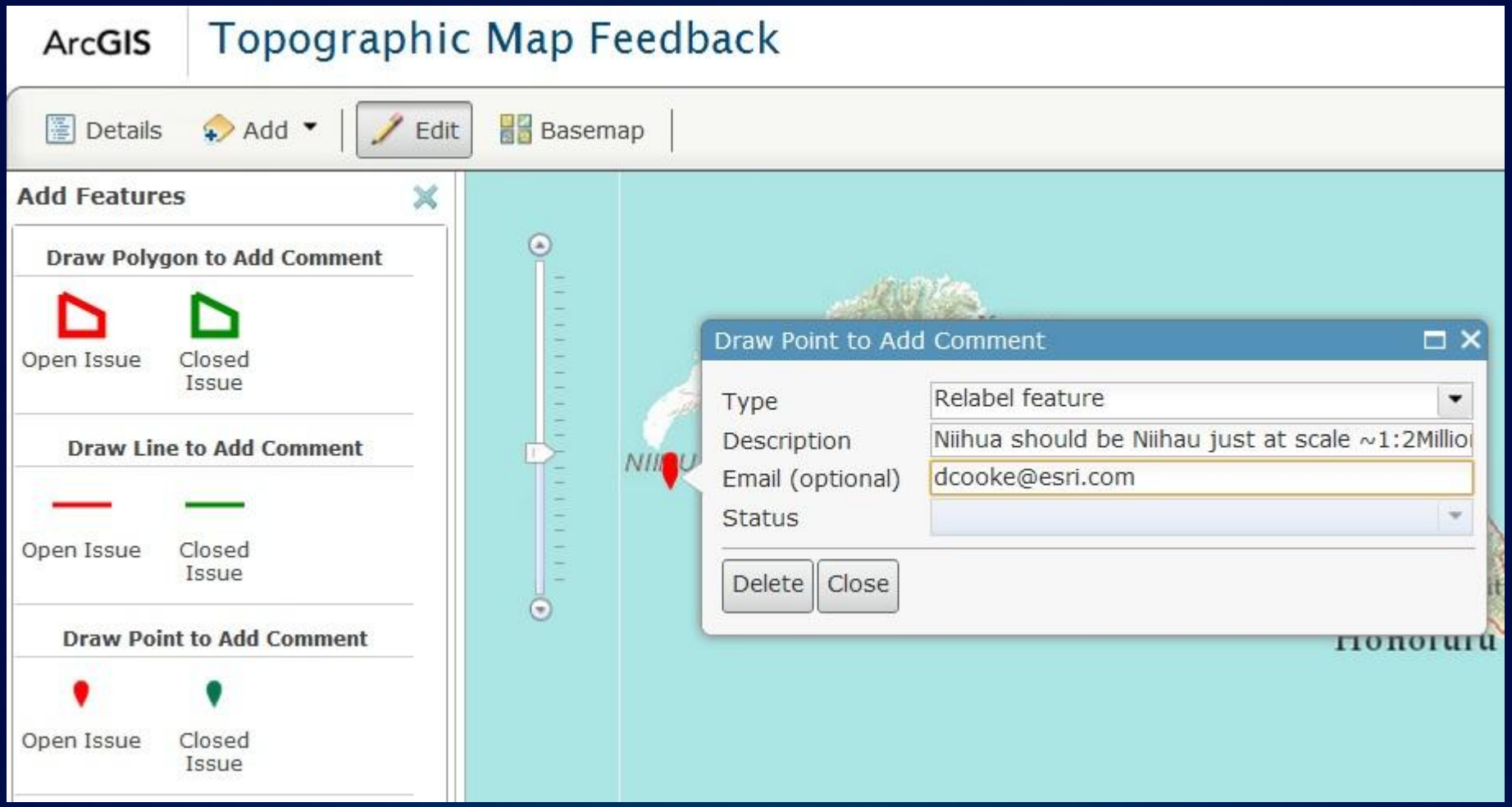
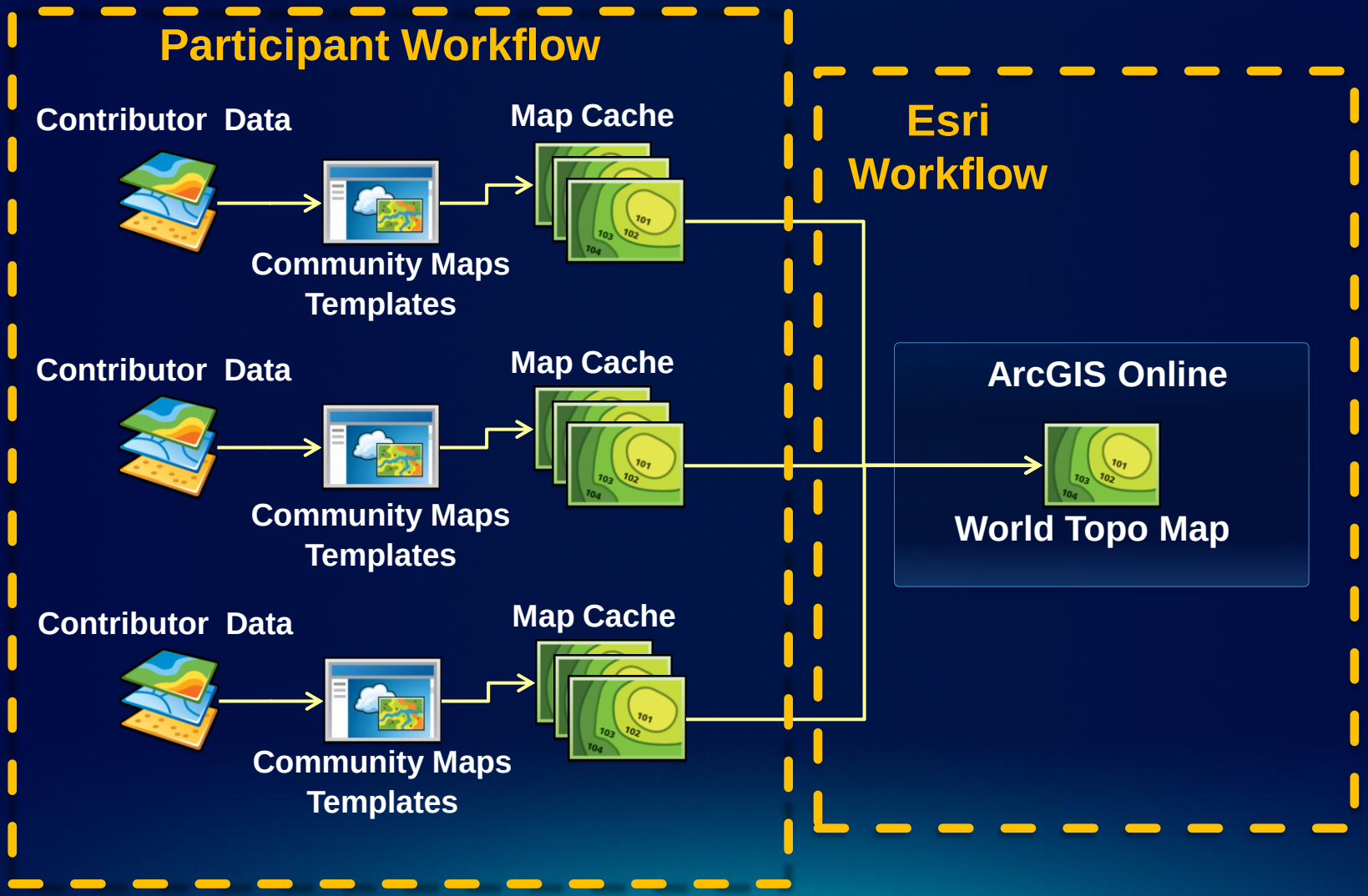


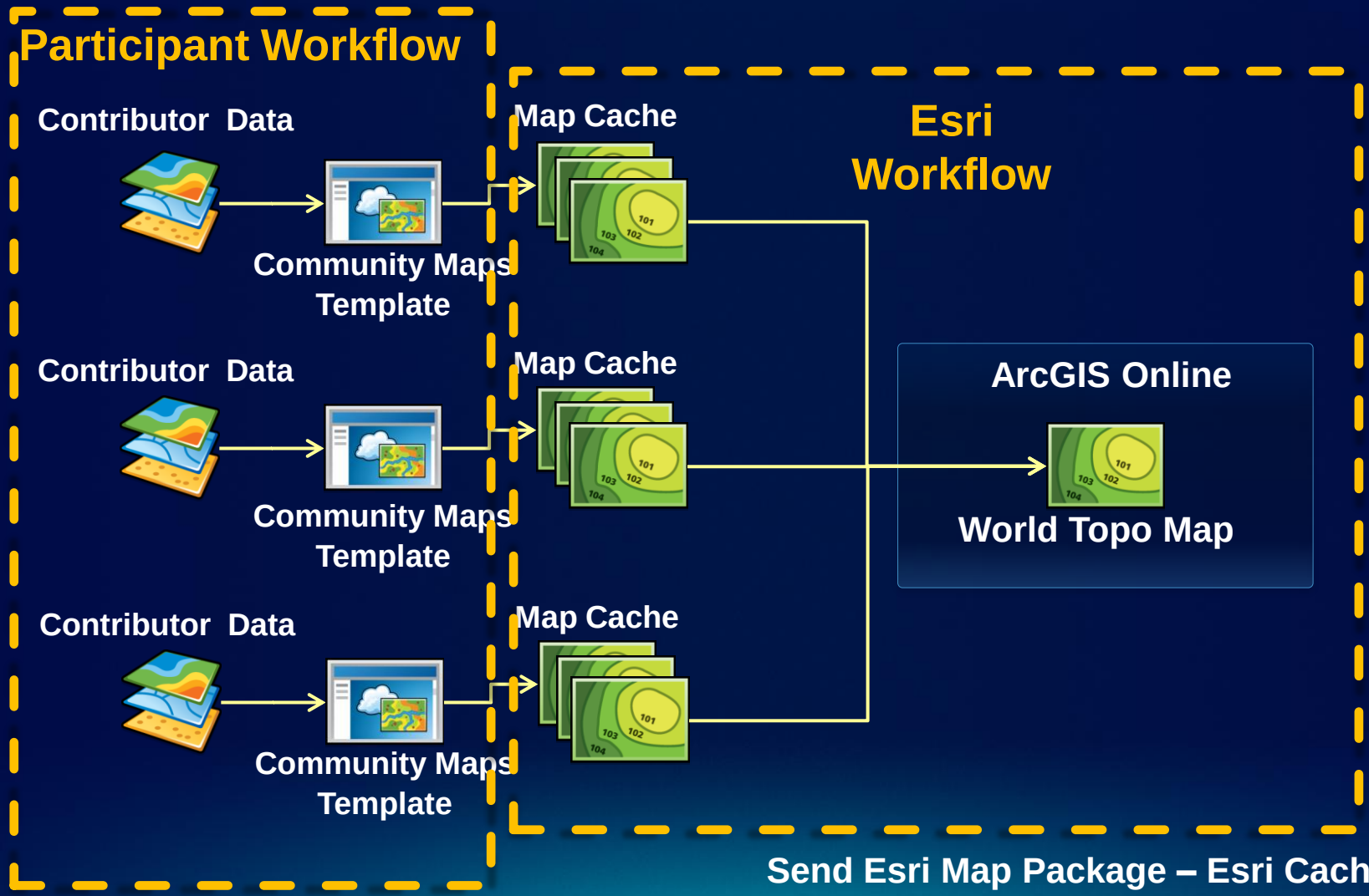
Community Maps 2.0

- New maps
- Dynamic attribution
- Issue Reporting
- Editing
- Simplified Processing and updating
- Participant data in more maps
- Participant data at more scales

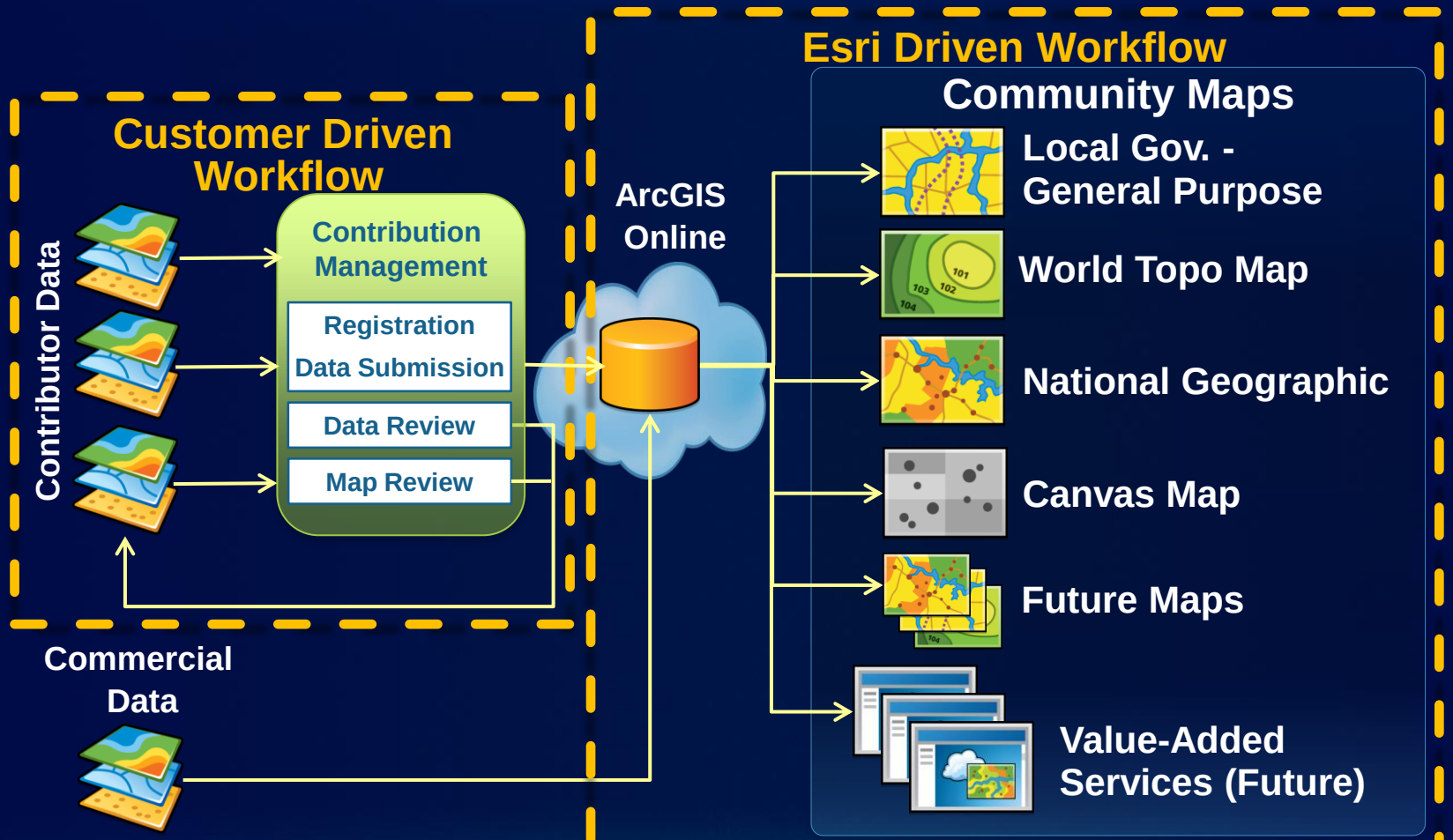
Simplified Processing: Original Process



Workflow Update, December 2011



Coming soon: A Vector-Based Approach: "C.M. 2.0"



Built on Local Government Data Model

Community Maps 2.0

Benefits:

1. **Easier to contribute data**
   - **Simpler submission process**
   - **Contribute what you can**
2. **Create multiple maps from single data source**
3. **Easier to process more frequent updates**
4. **Contributor content displayed at more scales**
5. **Potential for value-added services**

   Examples: Query, Identify, Geocode, Printing, Reporting

Proposed Schedule:

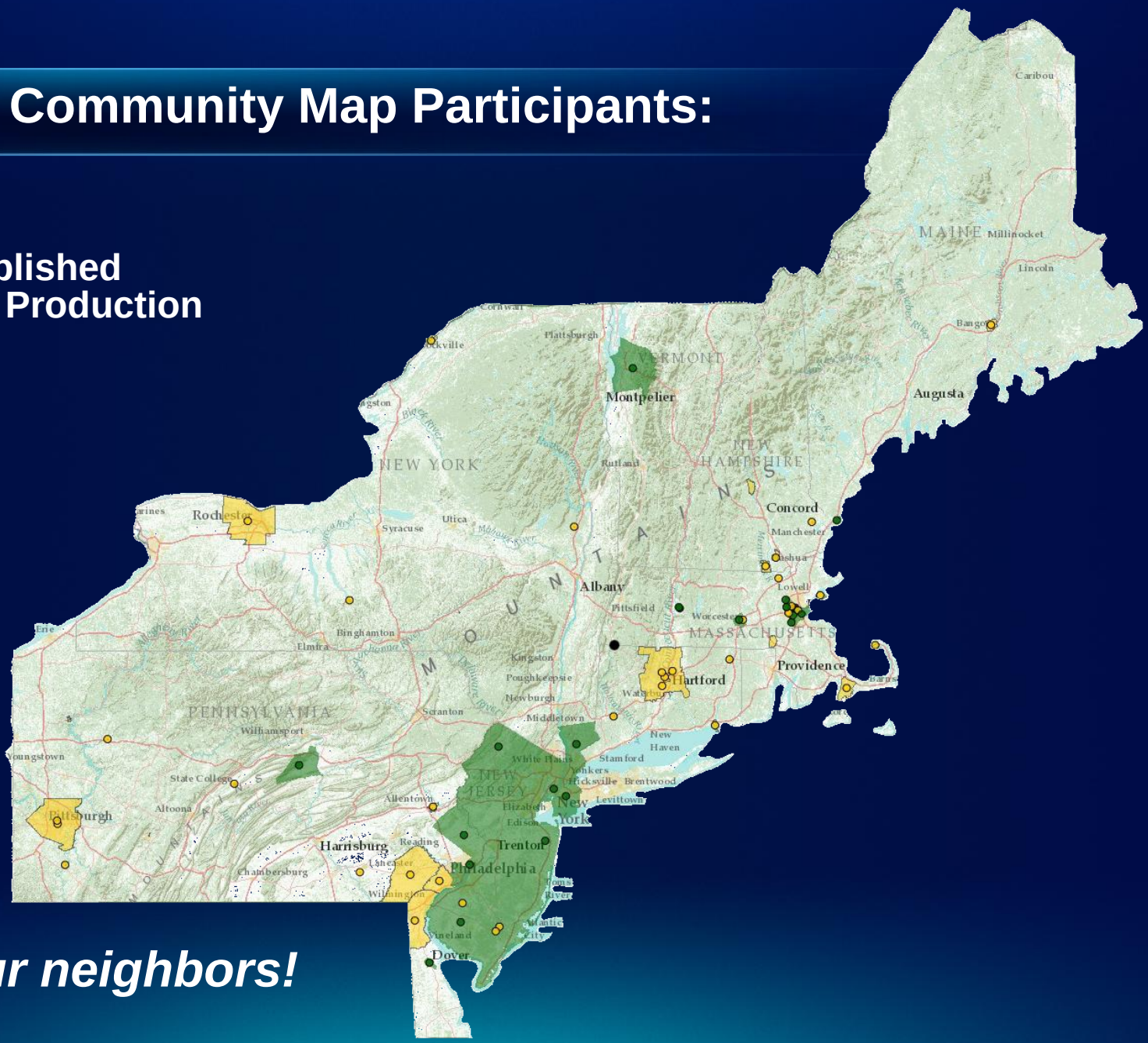
1. **Beta program Q2 2012 (started April 30th!)**
2. **Official launch – UC 2012**

Aligning with ArcGIS for State / Local Government

- CM geodatabase and Local Government Data Models
- CM geodatabase is a subset
- CM geodatabase is a stepping-stone
- CM geodatabase supports App templates

NEARC Community Map Participants:

Green: Published
Yellow: In Production



Join your neighbors!

resources.arcgis.com

Click on “Community Maps”

More info in the CM Blog, March 20 post

Questions:
Don Cooke dcooke@esri.com
Alfredo Frauenfelder afrauenfelder@esri.com

esri