



MapBox

Justin Miller

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[@incanus77](#)

Overview

- Bootstrapped project of Development Seed
- Based in Washington, DC
- About 20 people (6 remote)
- Eating our own dog food
 - Came from mapping needs in int'l development client work

Focus Areas

- Web
 - Worldwide base layer & hosting API
 - “Google Maps space”
- Mobile
 - iOS
 - Mobile thinking in general
- Design
 - TileMill & Mapnik



mapbox (MapBox)

Email info@mapbox.com
 URL <http://www.mapbox.com>
 Location Washington DC
 Member Since Feb 04, 2011

65 Public Repos
22 Members

Public Repositories (65)

Find a repository...

All Repositories Sources Forks Mirrors

tilelive-s3 C++ 2 2

Extends TileJSON for S3-specific tasks
Last updated 4 hours ago



tilemill JavaScript 793 72

A modern map design studio.
Last updated 5 hours ago



tilelive-mapnik JavaScript 13 5

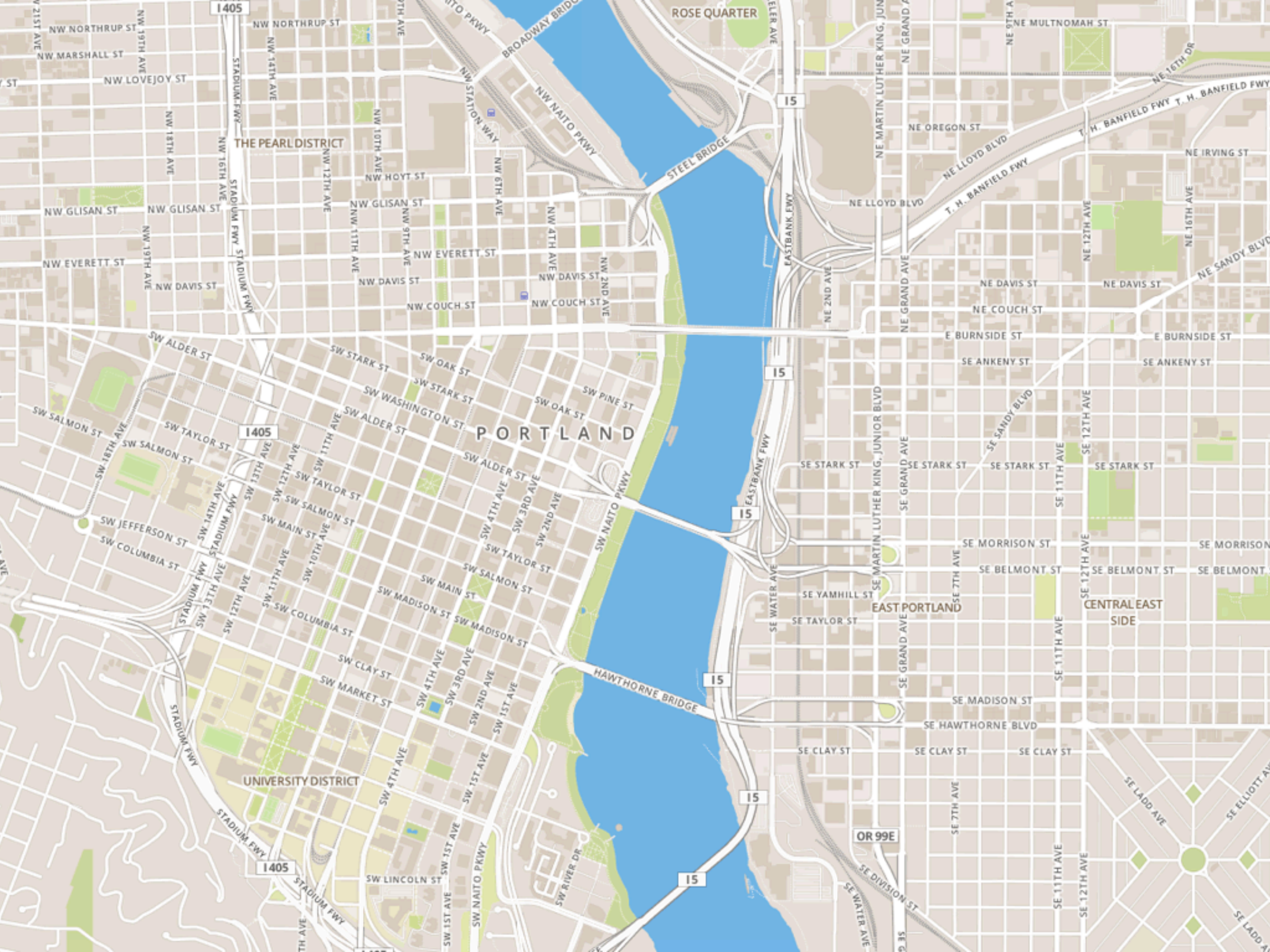
mapnik renderer backend for tilelive

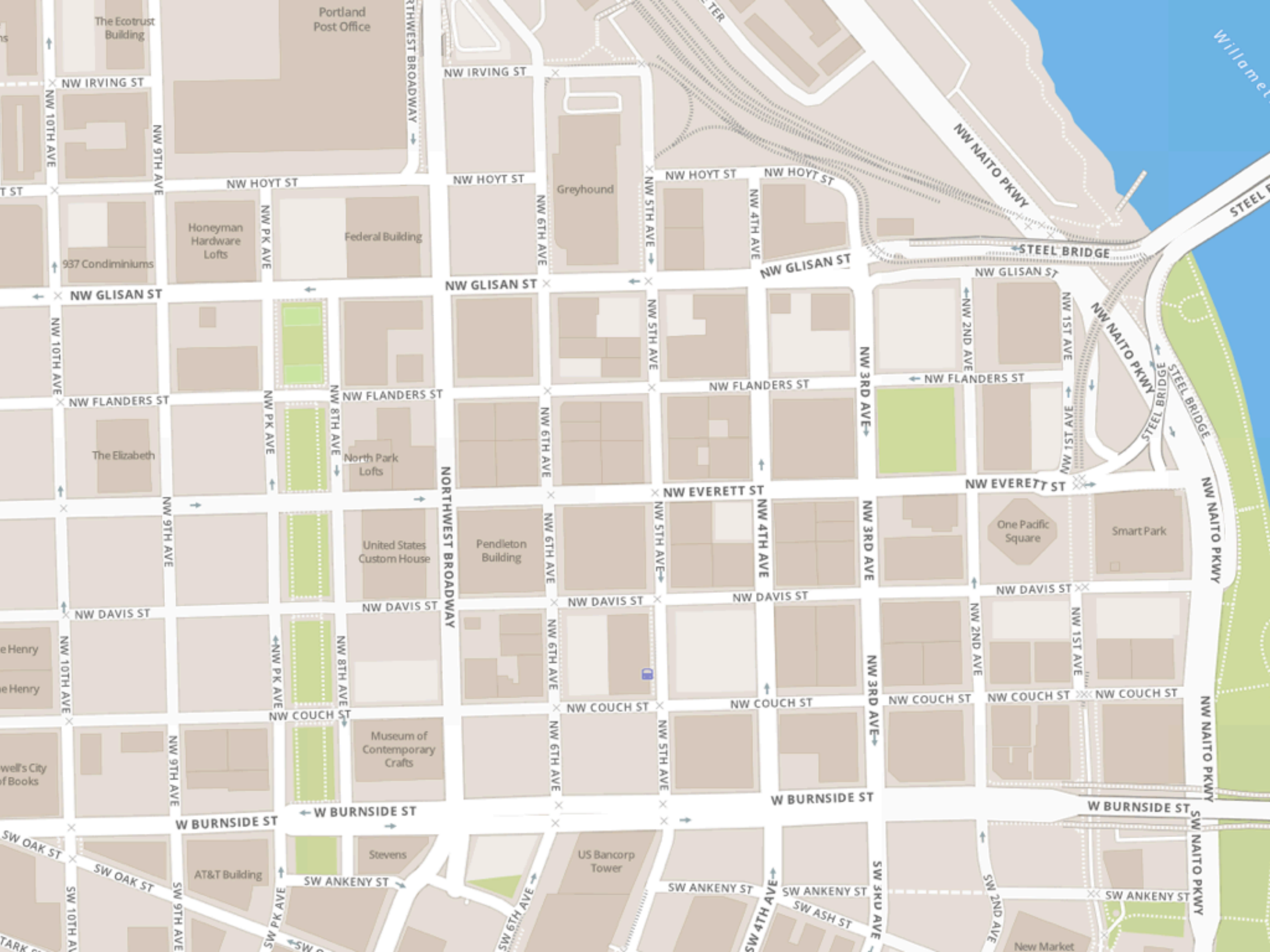
Organization Members (22)

- ajashton** (AJ Ashton)
15 Public Repositories, 38 followers
- artemp** (Artem Pavlenko)
5 Public Repositories, 16 followers
- bonniebogle** (Bonnie Bogle)
0 Public Repositories, 6 followers
- DanielJWood** (Daniel Wood)
1 Public Repositories, 3 followers
- davejohn** (DJ)
5 Public Repositories, 3 followers
- dhcole** (Dave Cole)
10 Public Repositories, 19 followers
- gundersen** (Eric Gundersen)
3 Public Repositories, 55 followers
- ian29** (Ian Villeda)
9 Public Repositories, 6 followers
- ianshward** (Ian Ward)
25 Public Repositories, 23 followers
- incanus** (Justin R. Miller)
12 Public Repositories, 58 followers

MapBox Streets

- Released w/ Foursquare launch (February)
- Worldwide street-level base layer
- Based on OpenStreetMap backend data





The Ecotrust Building

Portland Post Office

NW IRVING ST

NW IRVING ST

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W BURNSIDE ST

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W BURNSIDE ST

W BURNSIDE ST

AT&T Building

Stevens

US Bancorp Tower

SW ANKENY ST

SW ANKENY ST

SW ANKENY ST

SW ANKENY ST

New Market

Willamette

STEEL BRIDGE

STEEL BRIDGE

STEEL BRIDGE

NW NAITO PKWY

NW NAITO PKWY

SW NAITO PKWY

Streets Stats

- Currently available to zoom 17
- Putting many resources into z+1
- Pushing approx. monthly updates
- Renders take ~4 days w/ 32 parallel processes
- mapbox.com/blog/rendering-the-world

Our Stack

- Powered by Node.js
- We make:
 - Map design studio (TileMill)
 - Tile serving (MapBox Hosting)
 - Client libraries (tilelive.js, Wax, Easey)
 - iOS apps & libraries (SDK)

TileMill

The screenshot shows the TileMill web interface in a browser window. The browser address bar displays `http://mapbox.com/tilemill/`. The page header includes the MapBox logo, a "My account" button, and navigation links for "Tour", "Maps", "TileMill", "Help", and "Plans + Pricing". The main content area features a map editor interface with a central map view, a left sidebar with "Editor", "Projects", "Manual", "Plugins", and "Settings", and a right sidebar titled "Control Room" containing a code editor with Mapbox Style Language (MSS) code. A prominent dark banner with a green bar at the bottom is overlaid on the right side of the map editor. The banner contains the text "Download TileMill for Mac OS X" with links for "Wrong OS?", "Linux", and "Windows". Below this, a green bar displays "Extract this archive and drag TileMill to your Applications folder." and a white box shows "TileMill-0.9.0.zip" with a size of "62.3 MB" and a download icon. At the bottom of the banner are links for "Installing", "Upgrade notes", "Changelog", "Manual", and "Support". A red arrow points from the right side of the image towards the "Download TileMill for Mac OS X" text.

TileMill is an application for making beautiful maps. Whether you're a journalist, web designer, researcher, or seasoned cartographer, TileMill is the design studio you need to create compelling, interactive maps.

Neat Stuff

- Layer compositing
- Mobile optimizations
- Style changes (just this month)
- More zoom levels (ASAP)
- SSL tiles (Q3)
- High DPI (“retina”) support (soon)
- “Data tiles”/rendering client-side (???)



السعودية المتحدة

هولندا

بلجيكا

لوكسمبورغ

فرنسا

لوكسمبورغ

سويسرا

أندورا

إسبانيا

التشيك

الجزائر

مالي

النيجر

تشاد

بوركينافاسو

بنين

نيجيريا

توغو

كوت ديفوار

غانا

الكاميرون

جمهورية أفريقيا الوسطى

السودان

إريتريا

جيبوتي

إثيوبيا

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وقطاع شرق

قبرص

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البحرين

الإمارات العربية المتحدة

عمان

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السعودية

الجمهورية اليمنية

جمهورية
إيران الإسلامية

كمانستان

أذربيجان أرمينيا

جورجيا

تركيا

اليونان

ألبانيا

جمهورية مقدونيا وجمهورية
يوغوسلافيا السابقة

كوسوفو

صربيا

كرواتيا

مقدونيا

رومانيا

بولندا

الجمهورية التشيكية

الجمهورية السلوفاكية

النمسا

ألمانيا

ألمانيا

جزر الفصحى

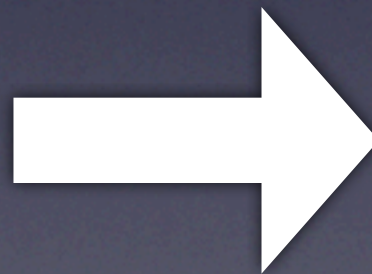
روسيا البيضاء

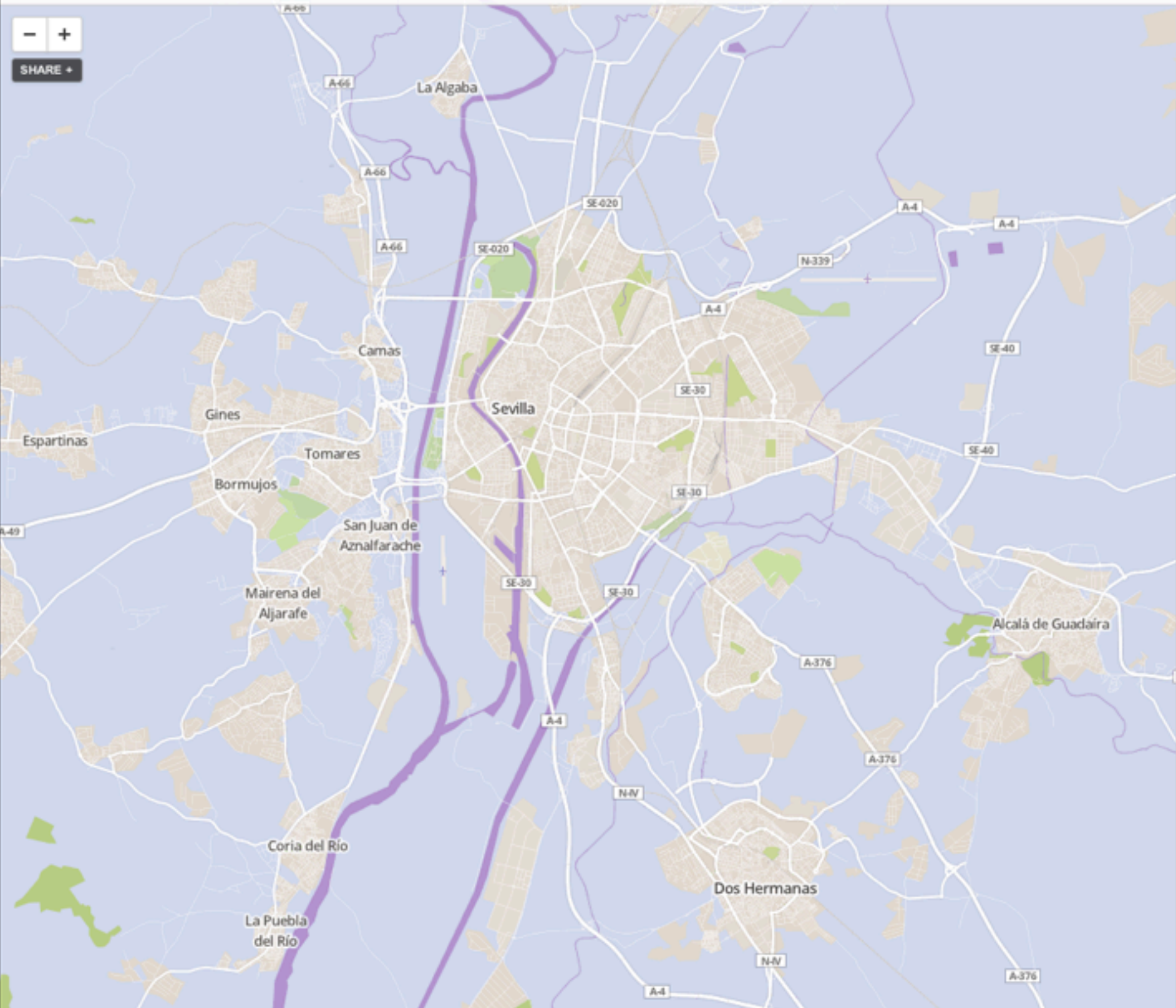
بولندا

Mobile Optimizations

<http://api.tiles.mapbox.com/v2/mapbox.world-bright/0/0/0.jpg>70

<http://api.tiles.mapbox.com/v2/mapbox.world-bright/0/0/0.png>32





Map navigation controls: a minus sign (-) for zoom out, a plus sign (+) for zoom in, and a 'SHARE +' button.

Map details sidebar containing:

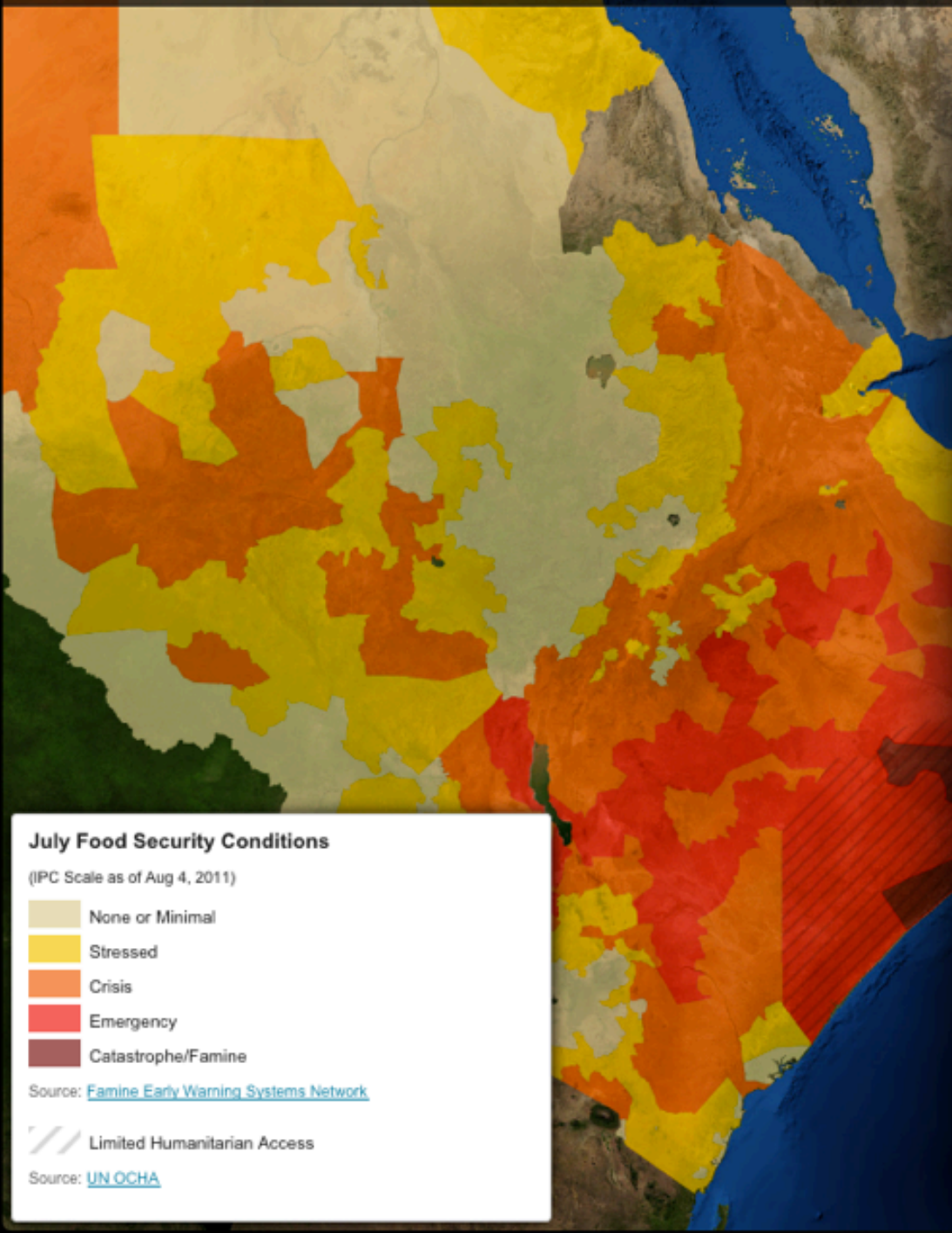
- Info, Edit, Layers, Stats buttons
- + Add layer, Save buttons
- Presets: -- Custom style --
- Layers list:
 - Streets: En [Sun icon]
 - Areas: [Sun icon]
 - Water: [Sun icon]
 - Land: [Sun icon]
- Color and opacity sliders for Water and Land:
 - Hue: [Color spectrum]
 - Saturation: [Slider]
 - Lightness: [Slider]
- Disclaimer: Changes made to this map may not be visible to logged out users for up to 1 hour.



iOS Stuff

- My domain
- MapBox for iPad
- iOS SDK
- Mapresent

My Maps



Layers Show Active

Data Layers

- SimpleLineString** (KML File)
- San_Juan_Solstice** (KMZ Archive)
- Haiti Aid Projects** (KML File)
- Afghanistan Election Fraud by Province** (KMZ Archive)

Tile Layers

- MapQuest Open** (Open map tiles from MapQuest)
- OpenStreetMap** (Collaboratively-edited world map project)
- MapBox Streets** (Beautiful global coverage powered by high-quality open...)
- Geography Class** (Bright & colorful world map that blends retro and high-te...)
- HOA Data Release...Current Status** (HOA Data Release - Food Insecurity Current...)
- Blue Marble Topog...athymetry (July)** (NASA's 'Blue Marble' global composite satellite im...)
- TriMet Rail Lines**
- Travel Map** (Map showing countries Michelle and I have been to.)
- OE Workforce Training Programs**


[My account](#)
[Tour](#)
[Maps](#)
[TileMill](#)
[Help](#)
[Plans + Pricing](#)

An open source alternative to MapKit. Start developing now.

[Download the SDK](#)


Fast and responsive native interface

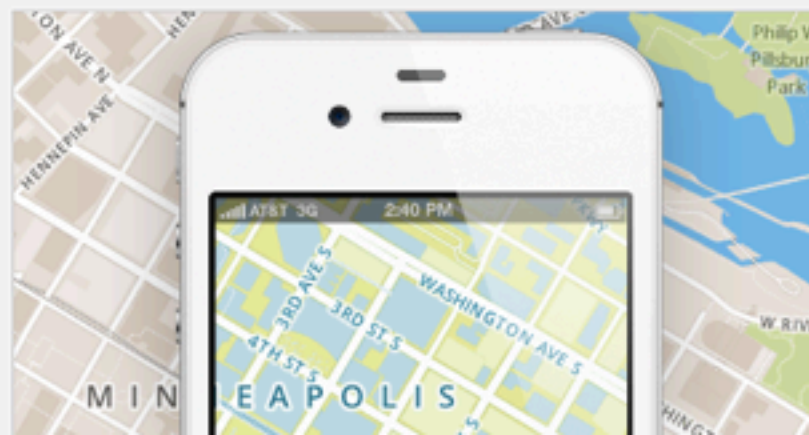
Built with custom enhancements to the Route-Me map library, our SDK provides a truly native iOS mapping experience. Pan, pinch, and zoom and watch your map instantly snap into place.

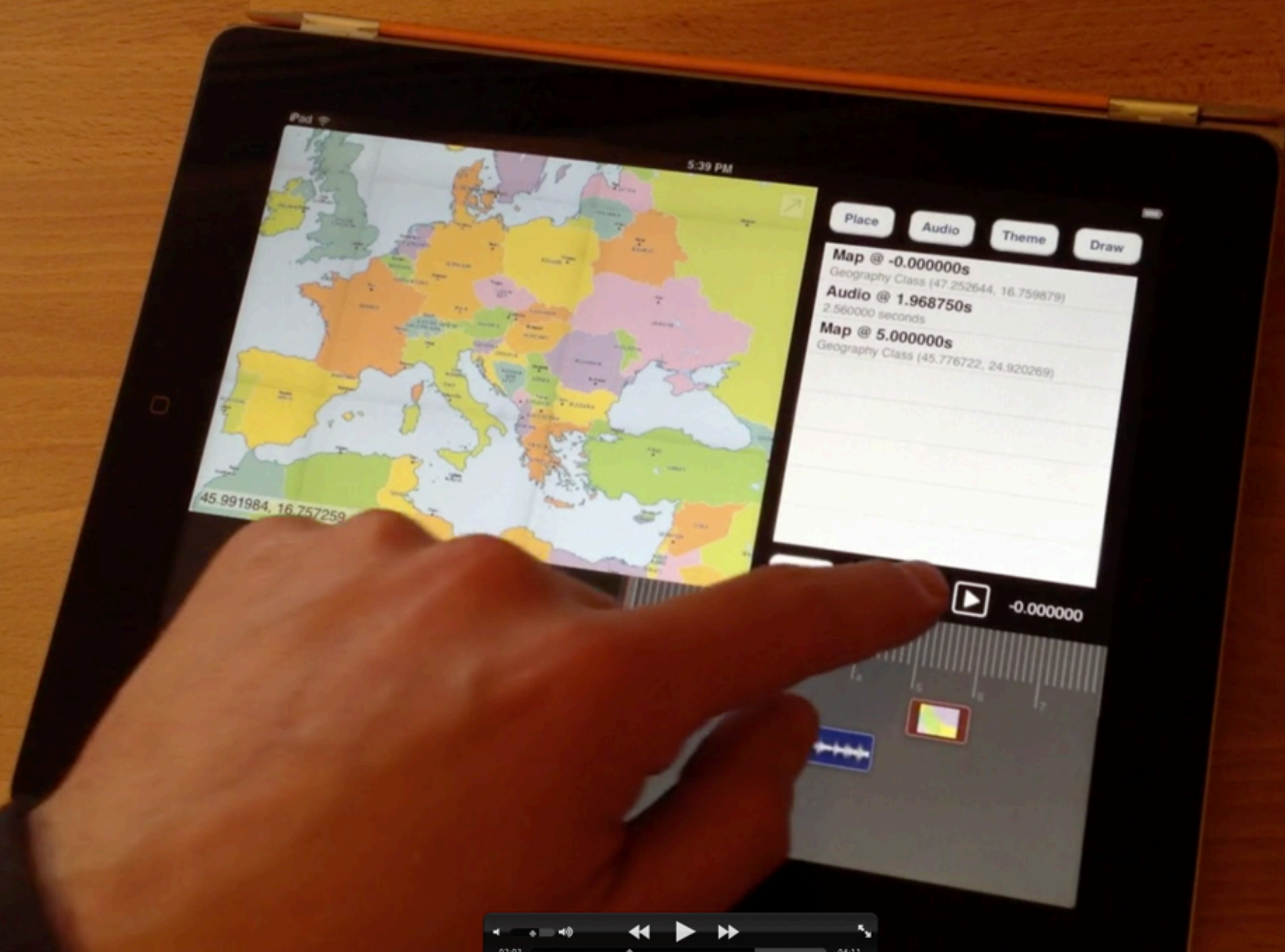


Custom styled maps

Get direct integration with [MapBox Streets](#), providing world-wide block-level coverage based on high-quality open data from [OpenStreetMap](#).

MapBox Streets comes in a variety of gorgeous preset color schemes or you can customize the features of your map to fit the look and feel of your app. This is all built right into the control panel of your MapBox.com user account, letting you change the colors of the base map in seconds. It's a beautiful alternative to





mapbox.com/mapresent

For More Info

- mapbox.com/tour
- mapbox.com/blog
- github.com/mapbox
- [@mapbox](#)