



Stanford CS+Social Good Workshop

Sargun Kaur
Software Engineer, My Maps
January 27, 2016

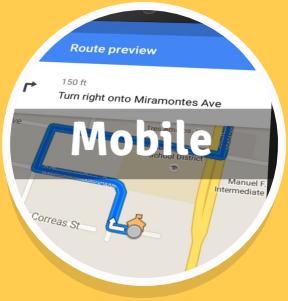


Google My Maps is an easy-to-use
tool for **making, viewing, and**
sharing custom maps.

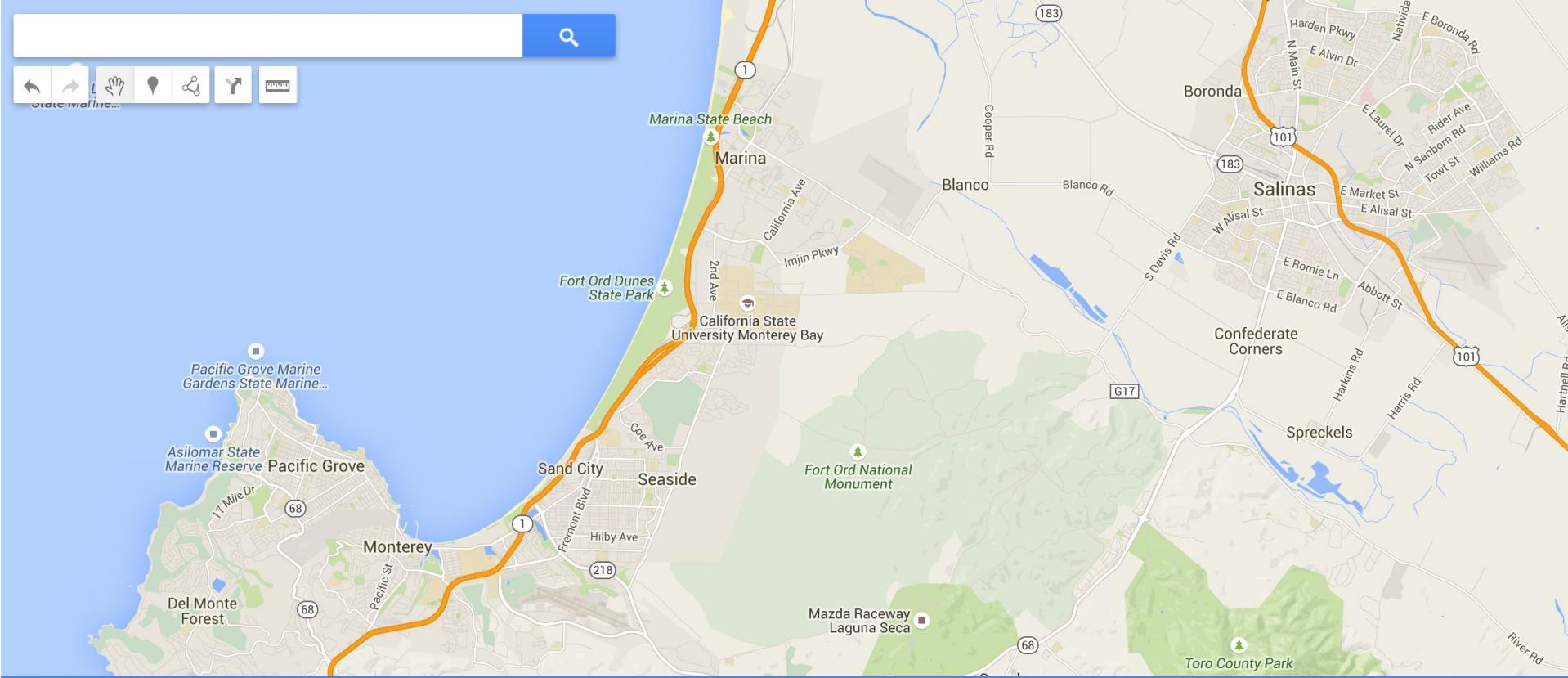
You can make a new map at mymaps.
google.com



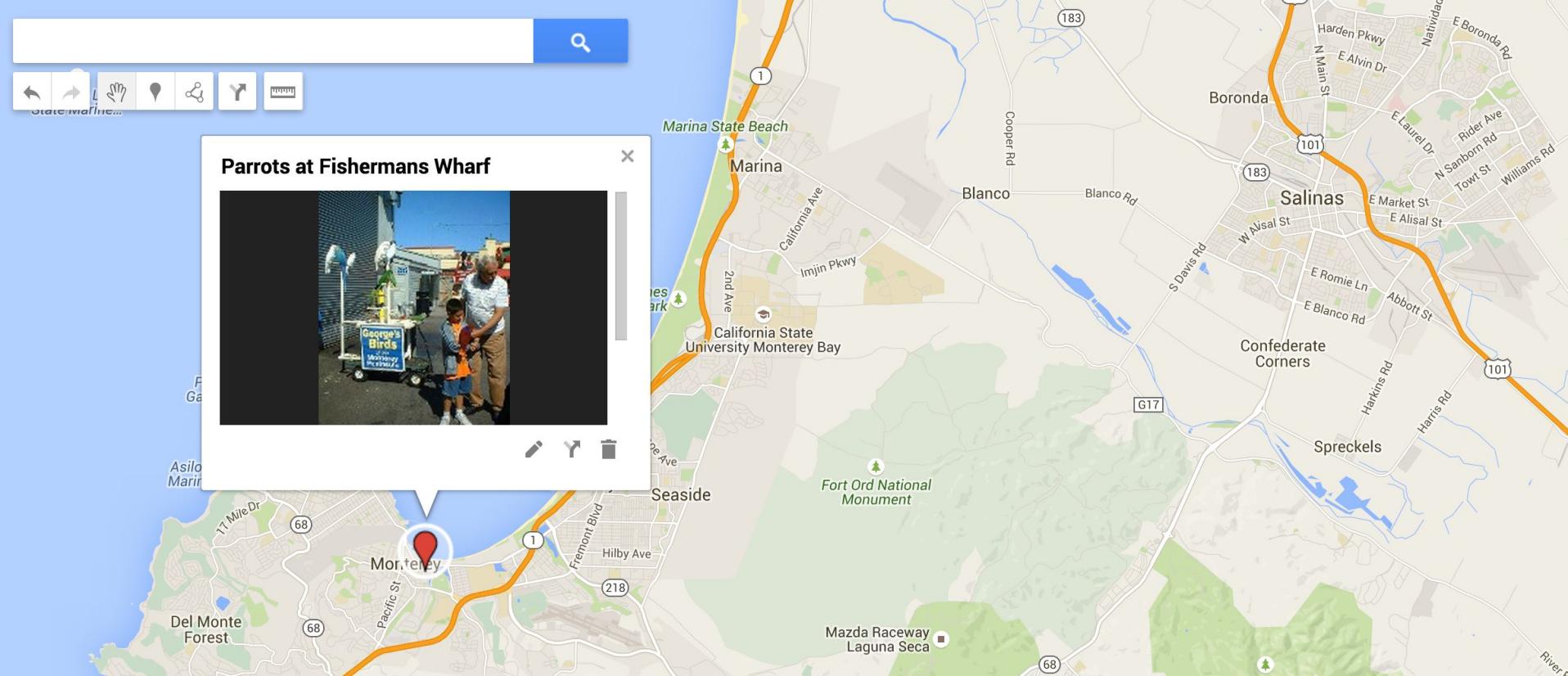
You can make a new map at mymaps. google.com



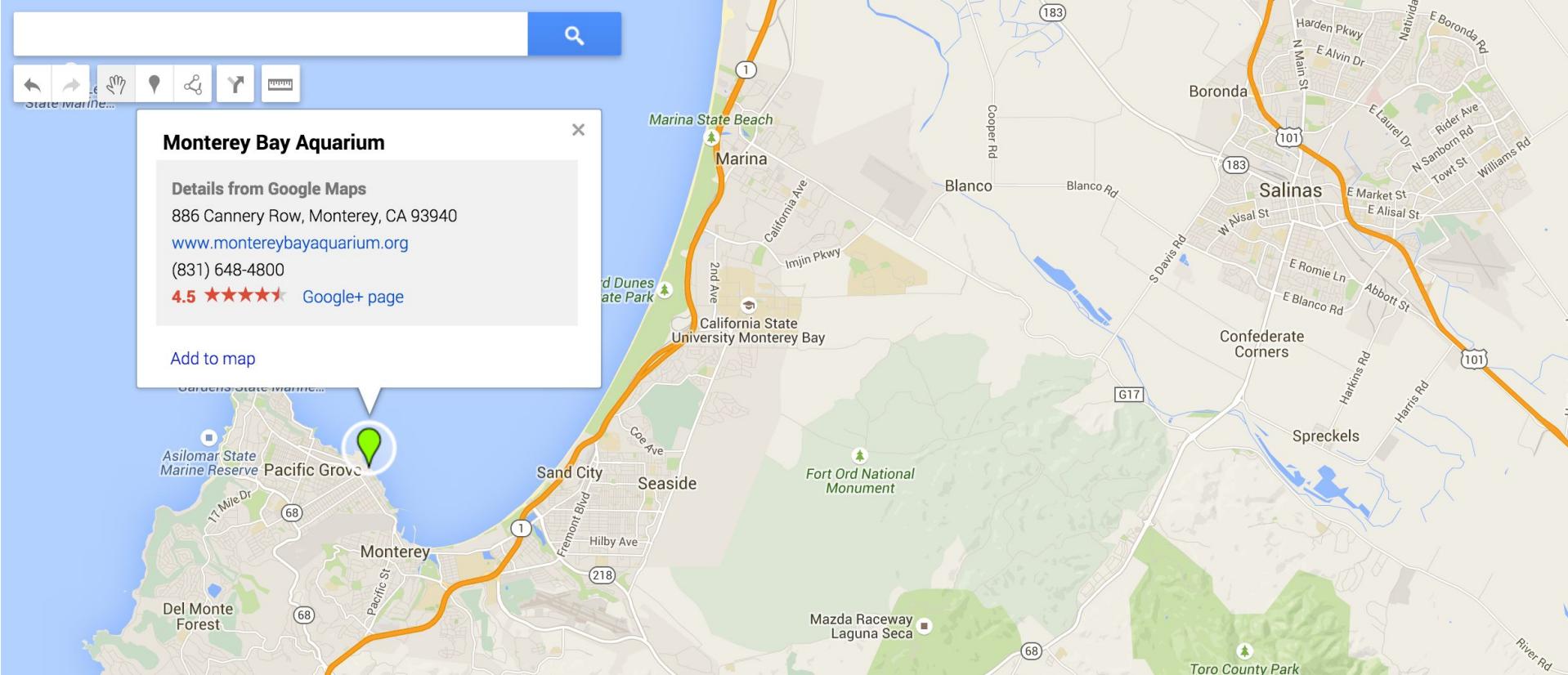
and then view it anywhere you use
Google Maps.



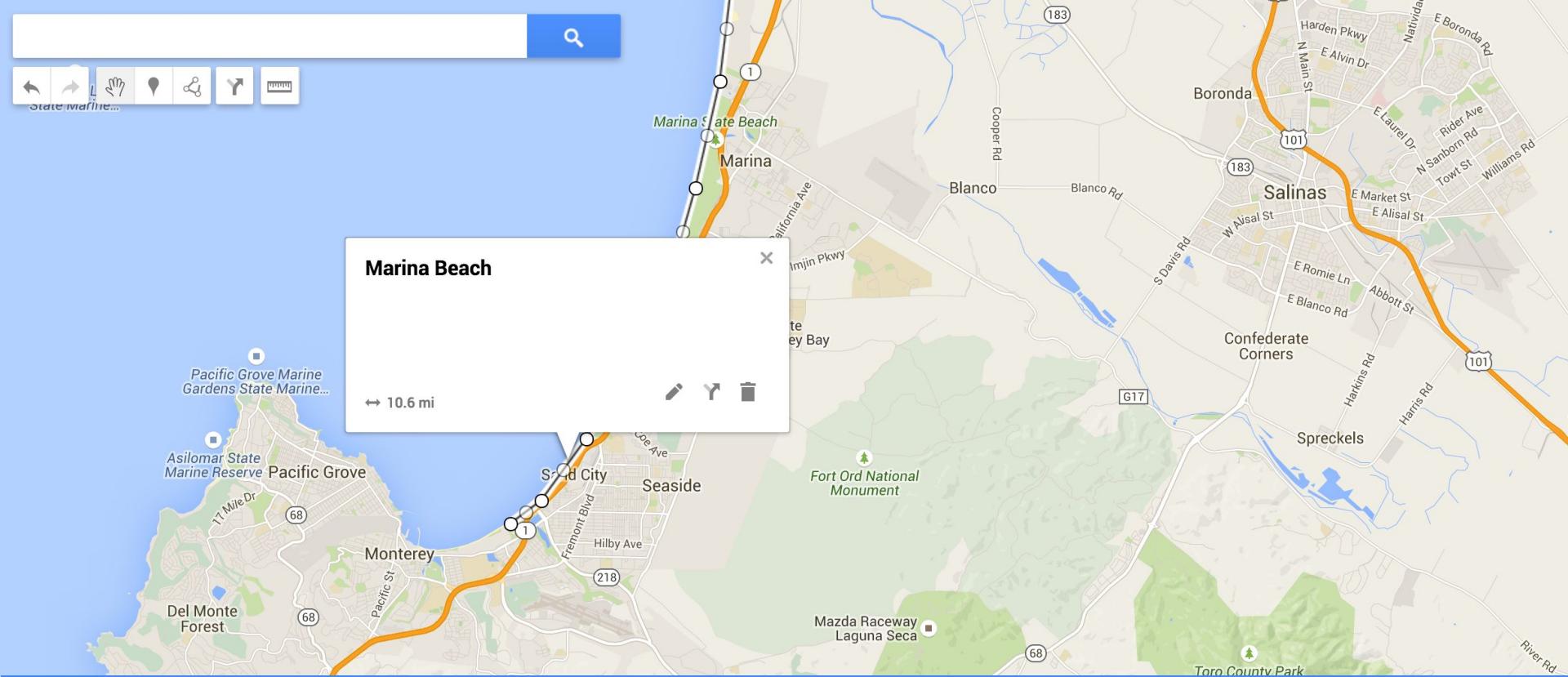
With Google My Maps you can...



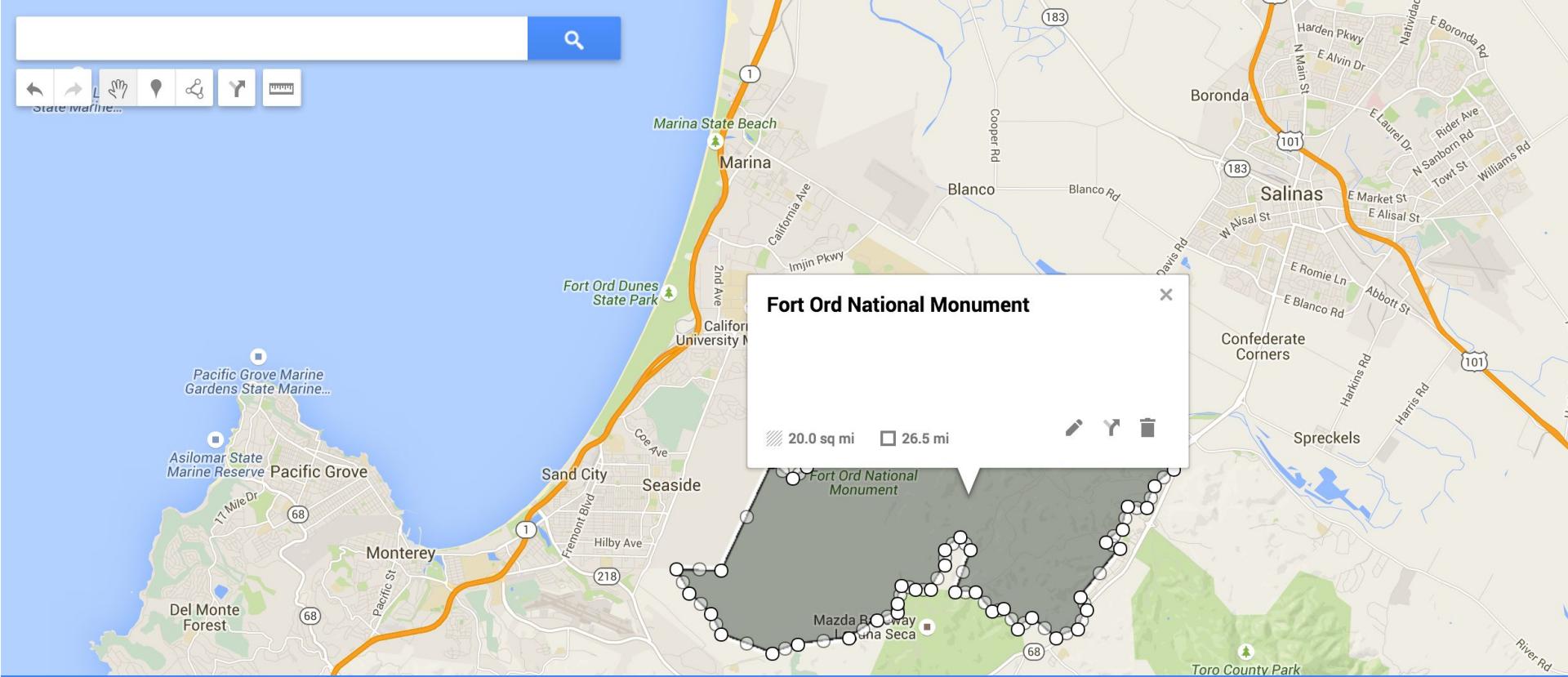
add points anywhere on the map



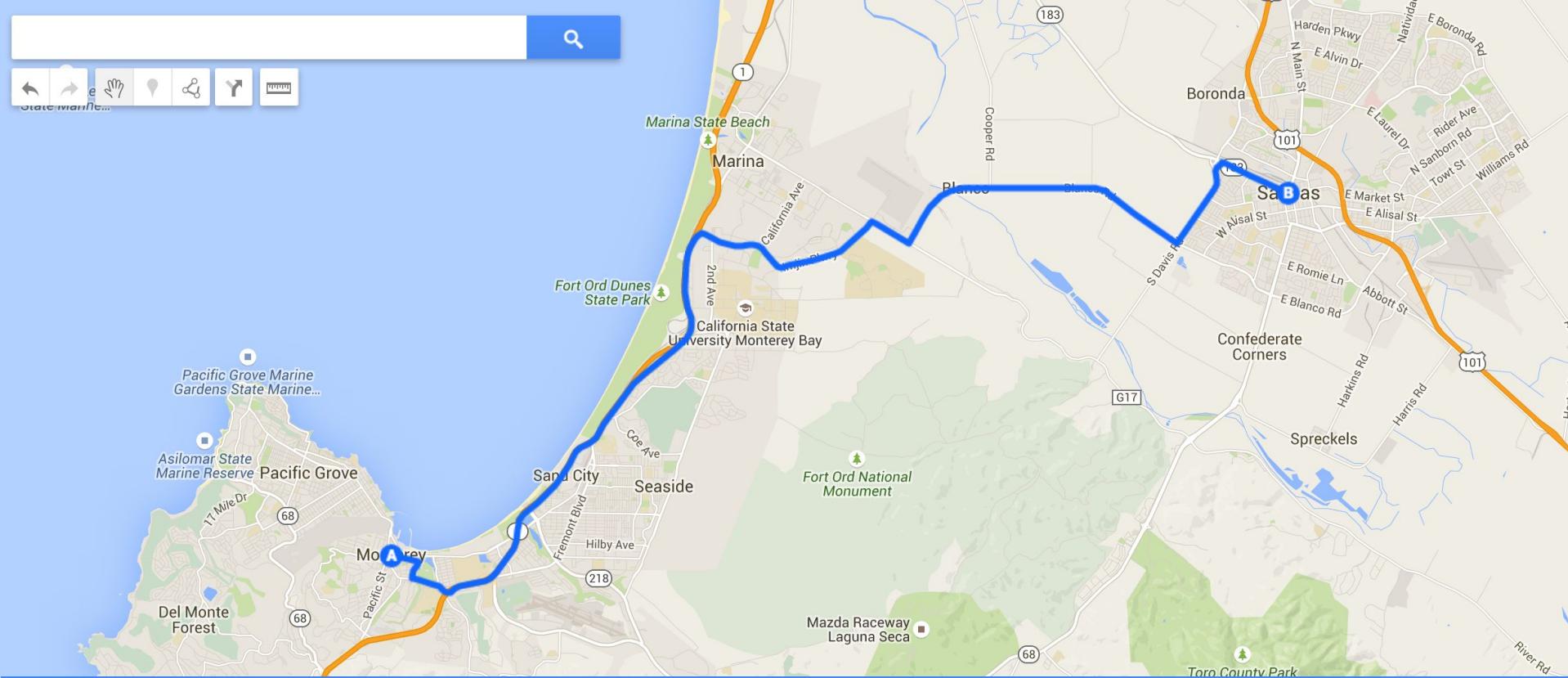
search for places and save them



draw lines and measure distance

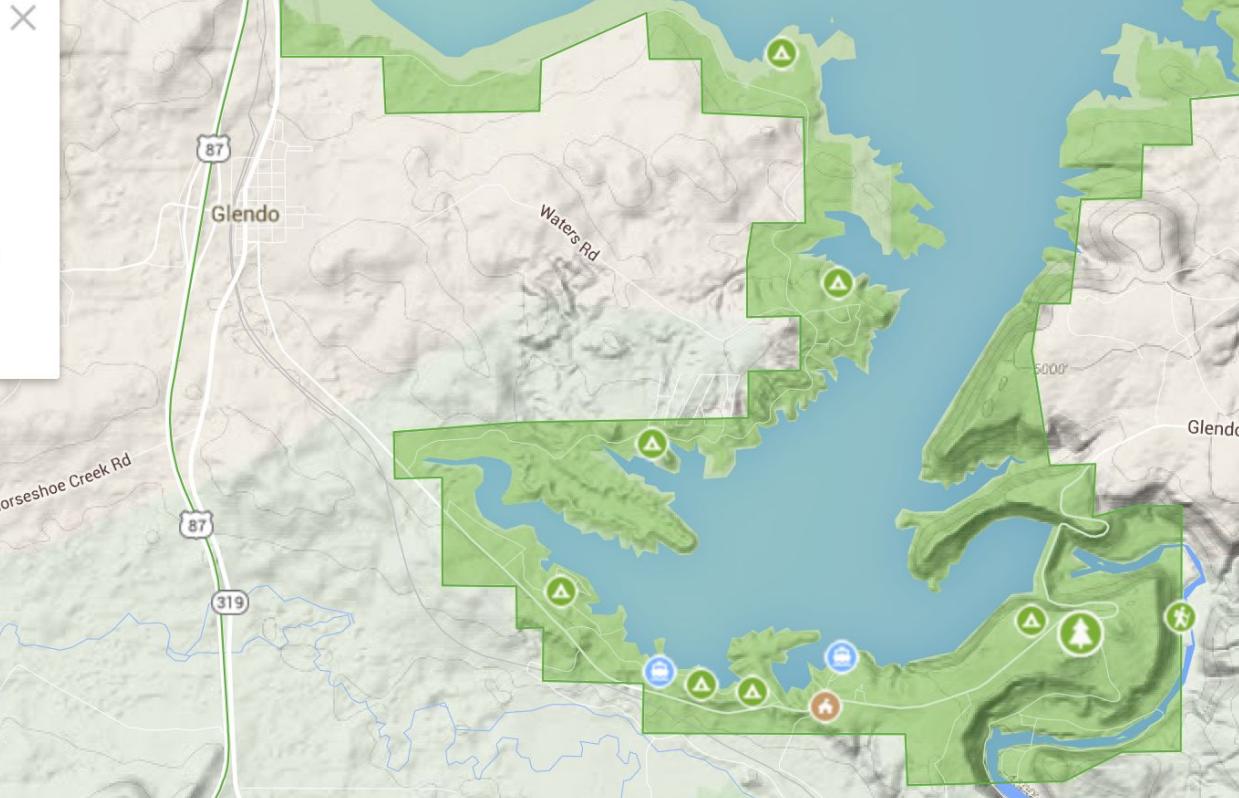


draw shapes and measure area

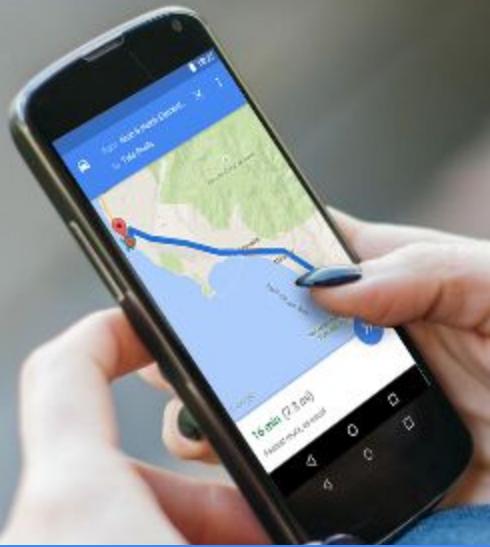


get directions and save them for later

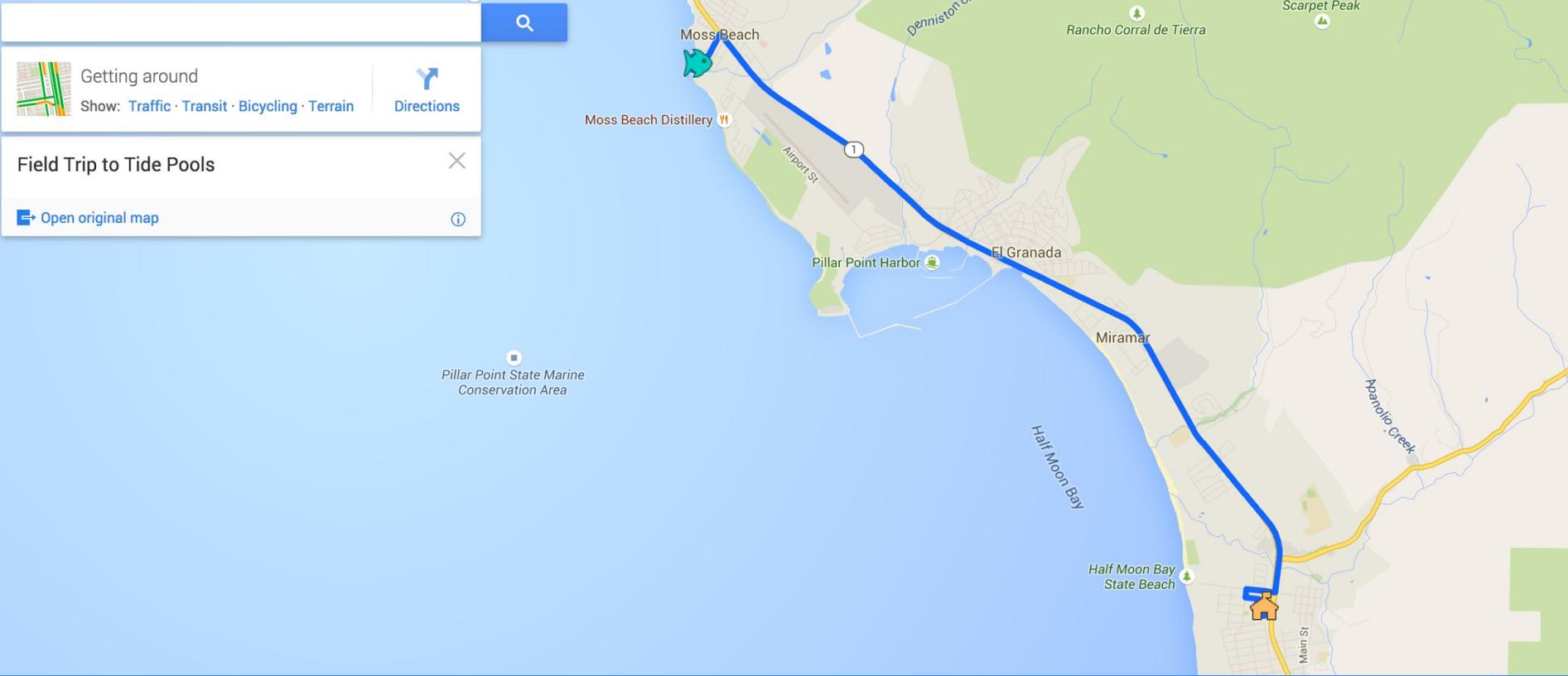
Glendo State Park



to make beautiful and useful maps



that you can take with you on-the-go



and view on Google Maps



or explore with Google Earth

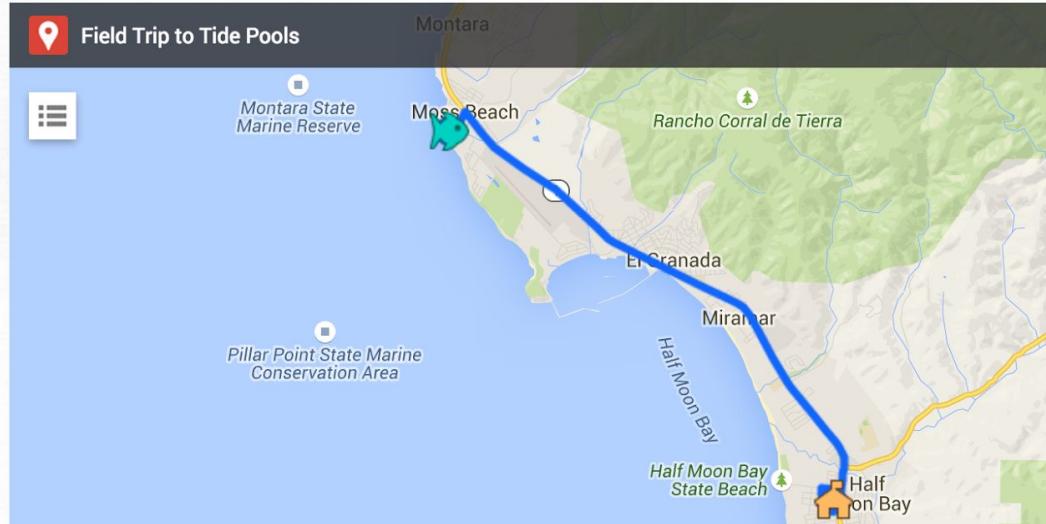
[Sample Maps](#)

[Tide Pool Field Trip](#) →

[Sitemap](#)

Tide Pool Field Trip

On Tuesday June 9, Mrs. Brown's class is going to visit the Fitzgerald Tide Pools in Moss Beach. We are meeting at the Tide Pools at 9:30am. There will be a bus leaving school at 9:00, or you can meet us at the Tide Pools at 9:30. Parents are welcome to join us as we explore the Tide Pools! If you are driving yourself, please take a look at this map for directions:



and even embed on your website

You can also:

- **Collaborate** like Google Docs
- **Import** data from spreadsheets or KML
- **Share** maps on Facebook or Twitter

News Organizations - visual storytelling

[Paris Attacks Map](#)

Disaster Relief - collecting crowdsourced information

[Chennai Floods Volunteer Map
\(crowdsourced\)](#)

Nonprofits/Organizations - awareness

2015 California Fire Map

KML = Keyhole Markup Language (KML) is an [XML](#) notation for expressing geographic annotation and visualization within [Internet](#)-based, two-dimensional maps and three-dimensional [Earth](#) browsers. It specifies a set of features (place marks, images, polygons, 3D models, textual descriptions, etc.).

```
<?xml version="1.0" encoding="UTF-8"?>
<kml xmlns="http://www.opengis.net/kml/2.2">
<Document>
<Placemark>
  <name>New York City</name>
  <description>New York City</description>
  <Point>
    <coordinates>-74.006393,40.714172,0</coordinates>
  </Point>
</Placemark>
</Document>
</kml>
```

Activity #1: [Sample KML Downloads](#)

<https://sites.google.com/site/mymapssamples/>

API = application program interface, is a set of tools for building software applications.

- how software components should interact
- good API makes it easier to develop a program
- provides all the building blocks that a programmer then puts together

Using Maps API

Activity #2: [Making Simple Maps](#)
<http://maptutor.appspot.com/edu>

Possibilities with Maps API

Self-Guided Tour Through Everest

Activity #3: [Places Autocomplete Using Maps API](#)

QUESTIONS

sargun@google.com