





# Shoreline Plan Map Tutorial

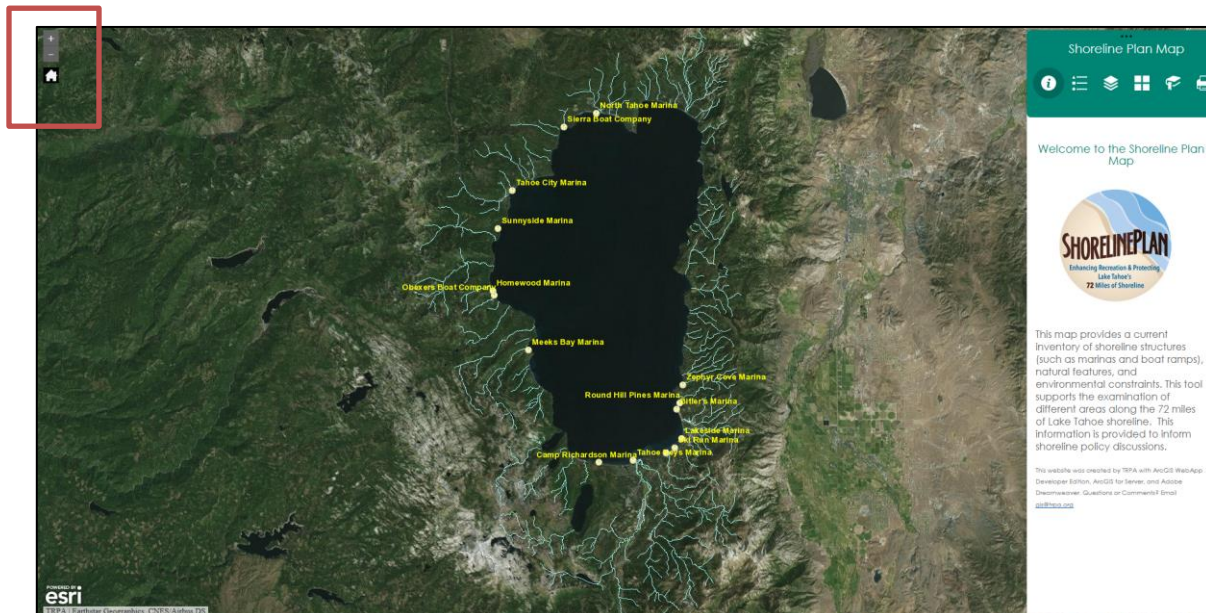
August 22, 2016

The following is a tutorial on how to use the on-line interactive Shoreline Plan Map for Lake Tahoe. This map has been developed to inform the Shoreline Planning Initiative and provides a current inventory of shoreline structures, natural features, and environmental constraints. The map is available on the Tahoe Regional Planning Agency (TRPA) website at:

<http://gis.trpa.org/ShorelineMap/>.

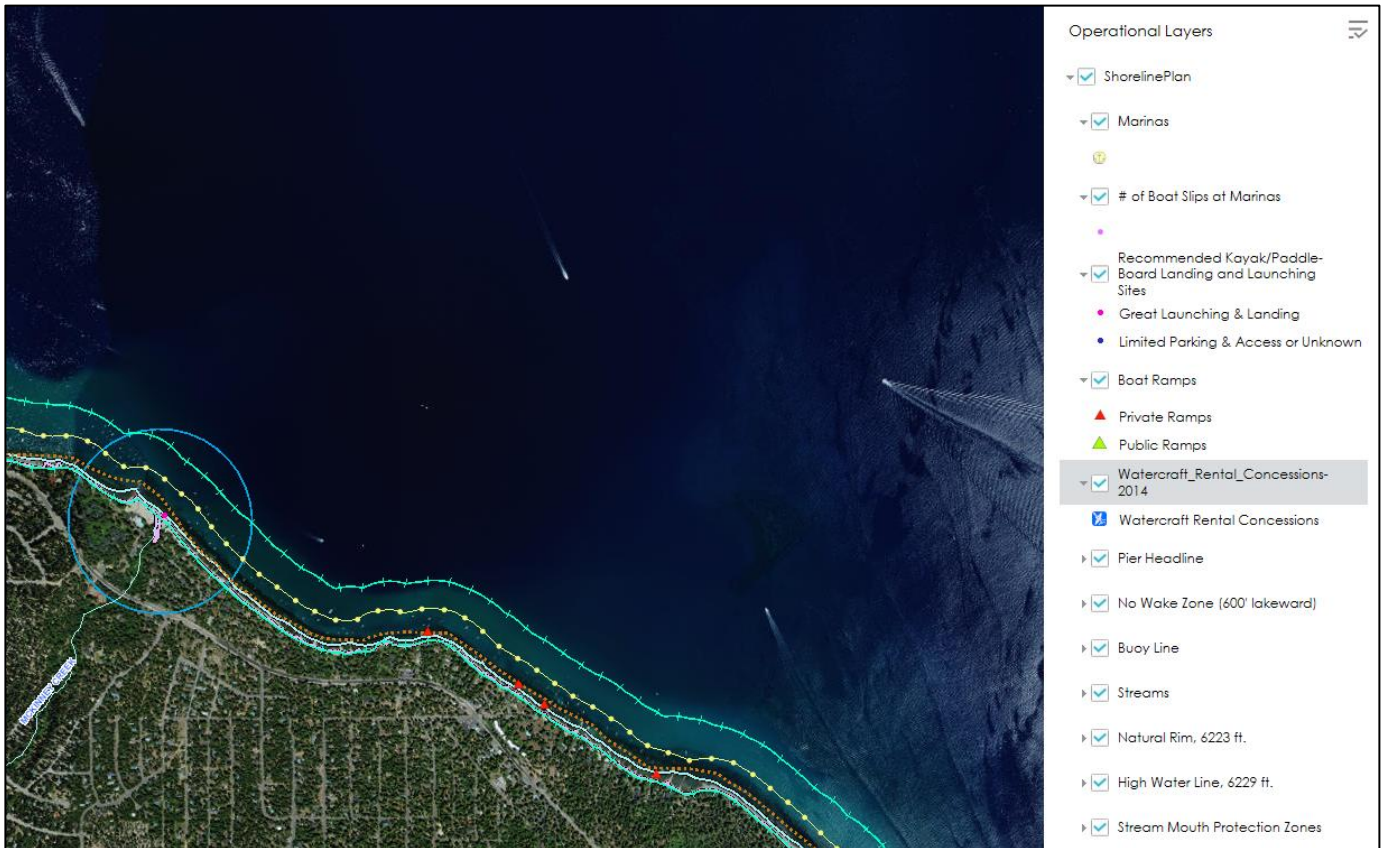
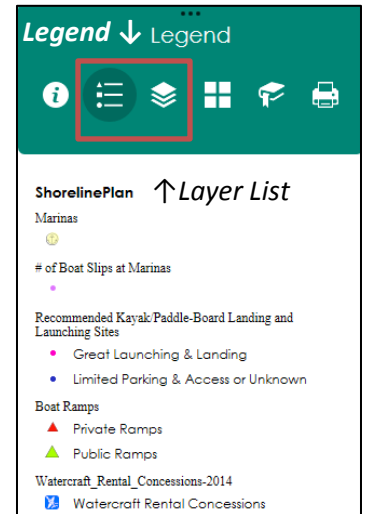
## Step 1: Explore the Shoreline Plan Map, View Features Up Close, and Return to the Home Page

1. Click on <http://gis.trpa.org/ShorelineMap/> to access the map. You will see the location of the 14 marinas located on Lake Tahoe.
2. In the top left hand corner, you can press on the “+” to zoom in to a closer view on the map or “-” to zoom out farther from a map view. Alternately, you can use the scroll wheel on your mouse (up scroll zooms in closer and down scroll zooms out further). As you zoom in, additional features will be displayed on the map.
3. If you click left and hold down on the mouse, you can use your mouse to move to a desired location or pan across the map. Cross arrows  will appear when you are moving across the map view.
4. Click  on the top left hand corner to return to the home page (see red box below).

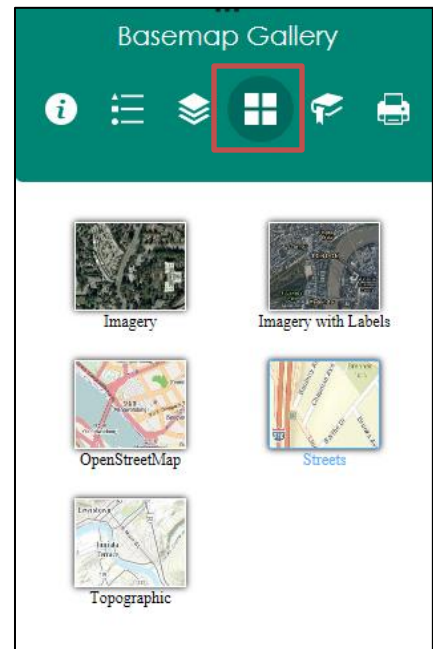


## Step 2: Explore Shoreline Plan Map Features

- The **Legend** shows active layers and associated icons.
- The **Layer List** shows all available layers. Layers can be activated by clicking on the stack of boxes next to *ShorelinePlan* (this box should always be checked). Click on the drop down arrow next to *ShorelinePlan* to see all of the layers. Check in the boxes next to the layers you would like displayed. Click on the drop down arrow next to the layer to see the associated icon. If multiple layers are added, you will need to be patient because it may take a while for the map to load.



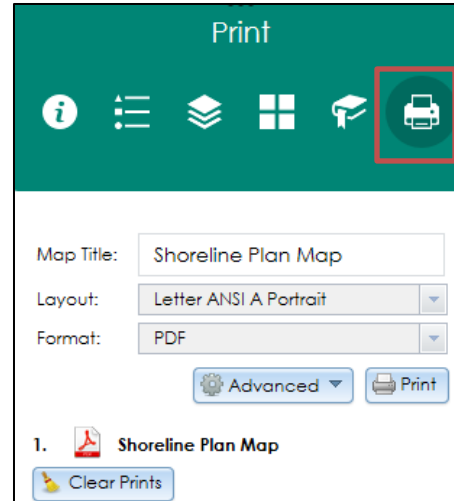
- The base map can be changed in the **Basemap Gallery**. For example, if you would like to view a topographic base map, you would select the “Topographic” image on the bottom left. Only one basemap can be selected at a time.



- The **Bookmark** includes identified areas of interest, such as Tahoe City or South Lake Tahoe. By clicking on a map, it will take you directly to the identified area.



- The **Print** feature will allow you to print a map.



### Step 3: Learn more about the Shoreline Plan Map Layers

A description of the layers included on the map is attached.

#### *Please Note:*

- *At this time, the “I” identify attribute features tool is not active. Basically, this tool would provide additional information about a map feature such as a description. TRPA may activate this tool in the future if there is a need to learn more about certain map features.*
- *Additional improvements are anticipated and additional data will be added (such as the buoy positions) after the data is finalized.*
- *TRPA makes no representations or warranties, express or implied, as to the accuracy, completeness, timeliness, or rights to the use of this information. This information is provided for reference only.*

# Shoreline Plan Map

Updated by BFM on 9/15/2016

| Layers                              | Description  |
|-------------------------------------|--|
| <b>Shoreline Plan</b>               |  |
| Marinas                             | Location of 14 marinas, 12 in California and two in Nevada, located on Lake Tahoe.   |
| Kayak/SUP Landing & Launching Sites | Recommended launching and landing sites for kayaking and stand up paddle (SUP) boards. Sites recommended for launching typically have parking and good access. This information was collected by the California Tahoe Conservancy as part of the Water Trail Project. This data does not show user conflict sites.   |
| Piers                               | Location of private (673), public (42), and quasi-public (56) piers. Quasi-public piers can be piers that are privately owned but publicly accessible. The current inventory includes a total 771 piers on Lake Tahoe.   |
| Boat Ramps                          | Location of private (15), public (12), and quasi-public (7) boat ramps. The current inventory includes a total of 34 boat ramps on Lake Tahoe.   |
| Buoys ( <i>pending</i> )            | TRPA, NDOW, & CSLC conducted a count and obtained GPS coordinates for all buoys on Lake Tahoe during the 2016 Boating Season. A layer showing the location of all mooring buoy floats is anticipated to be added in October 2016.  |
| Watercraft Rental Concessions 2014  | Location of watercraft rental concessions. This information is from a 2014 survey conducted by TRPA.   |
| Pier Headline                       | Location of pier headline. TRPA Code, Sec. 84.5.1.D, prohibits single-use piers from extending beyond lake bottom elevation 6,219', Lake Tahoe Datum, or beyond the pierhead line, whichever is more limiting.   |
| No Wake Zone (600' lakeward)        | Estimated location of the 600' no wake zone (measured 600' from the low water line, 6,223'). TRPA Code, Sec. 84.17.1, prohibits the creation of a wake or speeds in excess of five MPH by motorized watercraft within 600' of the waterline of Lake Tahoe.   |
| Buoy Line                           | Establishes a maximum distance for the placement of single use buoys at 6,213' lake bottom elevation, but not landward of 350' from high water, nor farther lakeward than 600' from high water. There is one mapped exception near Tahoe City where the maximum lakeward placement may extend up to 1,000' between two legally existing piers that extend lakeward beyond 1,000'. (adopted Dec. 2009). |
| High Water Line, 6229 ft.           | Location of high water line, 6,229' elevation, Lake Tahoe Datum.   |
| Natural Rim, 6223 ft.               | Location of the natural rim, or low water line, of Lake Tahoe, 6,223' elevation, Lake Tahoe Datum.   |



|                            |   |
|----------------------------|---|
| Littoral Parcels Ownership | Public and private parcels adjacent to the Lake Tahoe shoreline.  |
| <b>Shoreline_Dynamic</b>   |   |
| Fish Habitat 2015 Tahoe    | Fish habitat (spawning, feed and cover, and marginal) mapped using high-resolution satellite imagery to inform TRPA's 2016 Threshold Evaluation Report. This information is described in the <i>FINAL REPORT: Use of Remotely Sensed Imagery to Map and Quantify the Extent and Distribution of Lake Tahoe's Nearshore Substrates and Fish Habitats</i> , Spatial Informatics Group, July 2016, available at: <a href="http://www.trpa.org/wp-content/uploads/2015FinalFishHabitatReport_SIG_Final.pdf">http://www.trpa.org/wp-content/uploads/2015FinalFishHabitatReport_SIG_Final.pdf</a> . |
| Shoreline Shallow Areas    | Outlines shallow splash zone areas proximate to the shoreline that likely has littoral drift. This map was prepared by TRPA.  |