

Postmile Tools

The purpose of this tutorial is to demonstrate the functionality of the *Postmile (PM) Tools*.

Locate PM from Click on Map

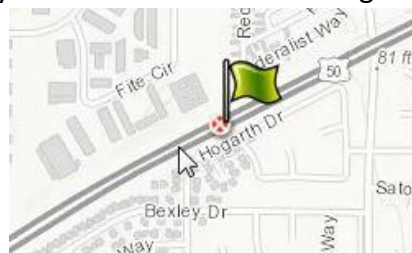
1. First, zoom to the area of the map where you would like to locate a postmile.
2. Open the *PM Tools* by clicking on the *tools icon* and selecting *PM Tools* from the drop-down list.



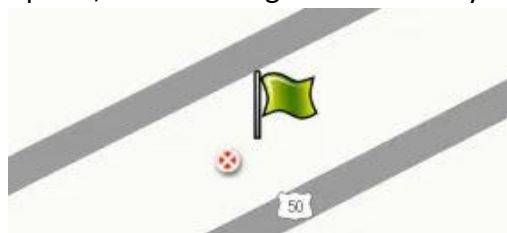
3. The first tool, *Locate PM from Click on Map*, allows you to locate a postmile by clicking a point on the map.



4. After you click on the map, you will see a red dot and a green flag where you clicked.



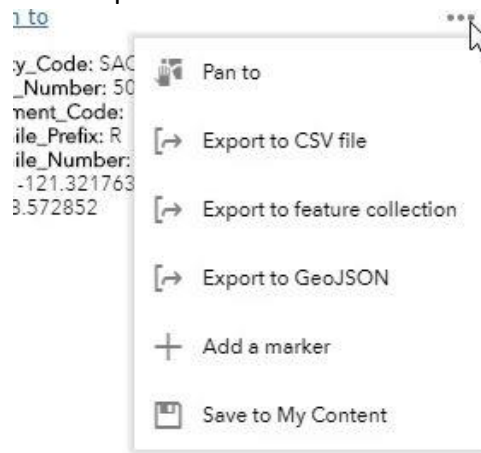
5. If you zoom in, you might see that the green flag is not exactly on the point that you clicked. That is because the red dot is the point you clicked, and the flag is the nearest postmile. When clicking a point, zoom in for greater accuracy.



6. The postmile information becomes available in the popup side panel.



7. Click the three dots to view the options menu.



Locate Spot/Segment from PMs

1. The *Locate Spot/Segment from Coords* allows you to locate the postmile info or a single point or segment.

Locate Spot/Segment from Coords

Select an option:

Spot Segment

2. Select either *Spot* or *Segment*, and then enter in the coordinates. After you've entered them, click *Plot it*.

Longitude:

-121.336

Latitude:

38.566

End Longitude:

-121.308

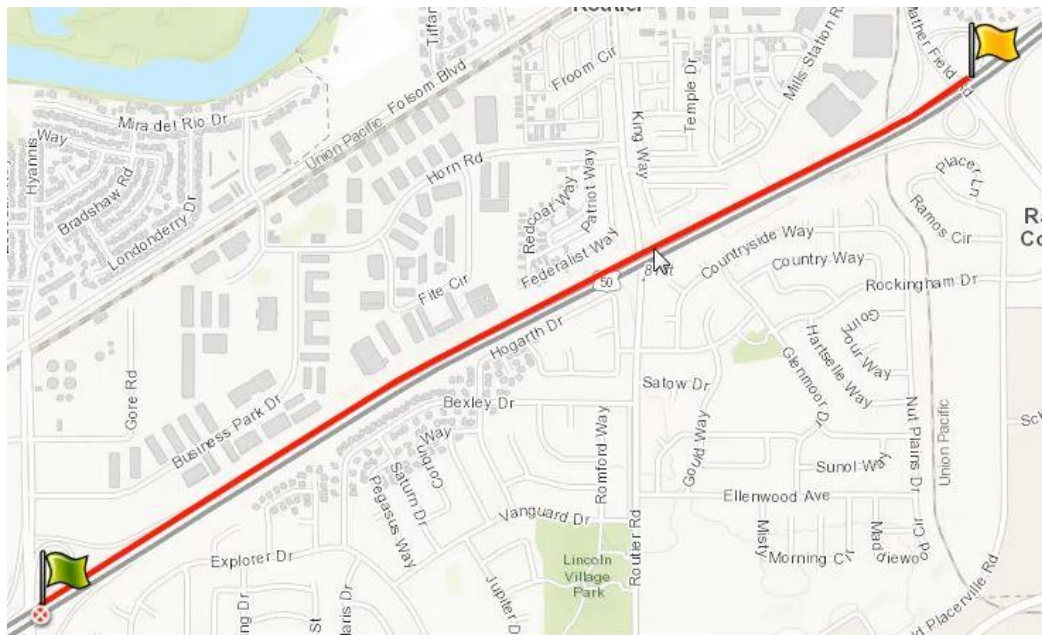
End Latitude:

38.579

Plot it

Clear

3. Click on the line to view the postmile information for both end points in the popup side panel.





4. You can click the three dots to see the options menu and you can also *Click for Export Options* at the bottom of the PM Tools window.

[Click for Export Options](#)



Locate Spot/Segment from PMs

1. This tool allows you to locate a single point or segment using postmile information.

Locate Spot/Segment from PMs

Select an option:

Spot Segment

2. After you select Spot or Segment, enter in the County, Route, Alignment, and Postmile.

County:

Route:

Alignment (L or R):

PM Ranges: 0.000 to: 23.136

PM:

- When entering in the postmile, be sure to enter a number within the appropriate range.

PM Ranges: 0.000 to: 23.136

PM:

This is a valid entry.

PM:

- If you're locating a segment, then enter the postmile information for the end-point. You need to select an *End County* if the route passes through multiple counties.

End County:

Select End County

Select End County

ED

SAC

YOL

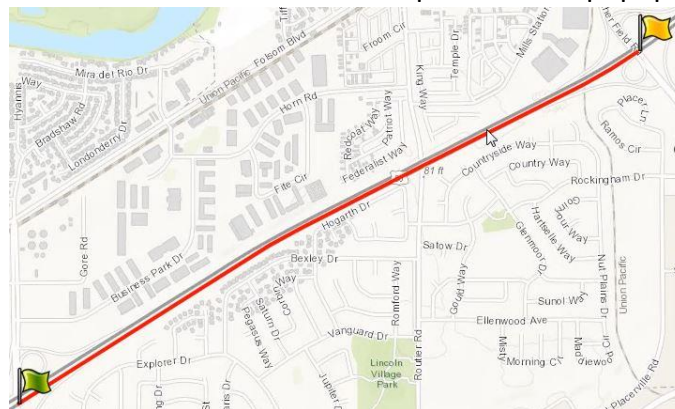
Remember to enter a postmile number that is within the range.

PM Ranges: 0.000 to: 23.136

End PM:

- When you're ready, click *Plot it*.

- Click on the line to view information on both end points in the popup side panel.



Start Point
 County: SAC Route: 50 Alignment Code: R Postmile:
 R7.749
 Long: -121.33631
 Lat: 38.56584

End Point
 County: SAC Route: 50 Alignment Code: R Postmile:
 R9.507
 Long: -121.30788
 Lat: 38.57844

7. Click on the three dots or *Export Options* to see options.

...

[Click for Export Options](#)

Get PMs from Coords in Batch

1. You can upload a CSV file with multiple sets of coordinates and all the points will be plotted on the map. A specific template for the CSV file must be used. See instructions for it by clicking the link at the top of the PM Tools window.

For a description for each of the tools below, click [here](#).



2. Scroll down to **Postmile Batch Tools** to see instructions. You can see an example of the template below the instructions.

	A	B	C	D	E	F	G	H	I
1	Label	Route	Alignmen	Begin_Lor	Begin_Lat	End_Long	End_Lat	Extra1	Extra2
2	Line 1			-122.027	38.32094	-121.863	38.449	lin ex 1	
3	Point 1					-122.689	38.286		point x 2
4	Point 2			-131.379	38.0769			point x 2	

Download the example by clicking the link.

An example for the input.csv file can be found at: <http://svgcdeawebgis4.ct.dot.ca.gov/docs/input.csv>



3. Click *Choose File* to upload the CSV file.

Get PMs from Coords in Batch

This tool allows you to upload a csv file with coordinates and get all the points displayed on the map. A file will be created with the results. For more info, click the link under the main header.

Choose Files



Plot It

- After you select a file, click *Plot It*.



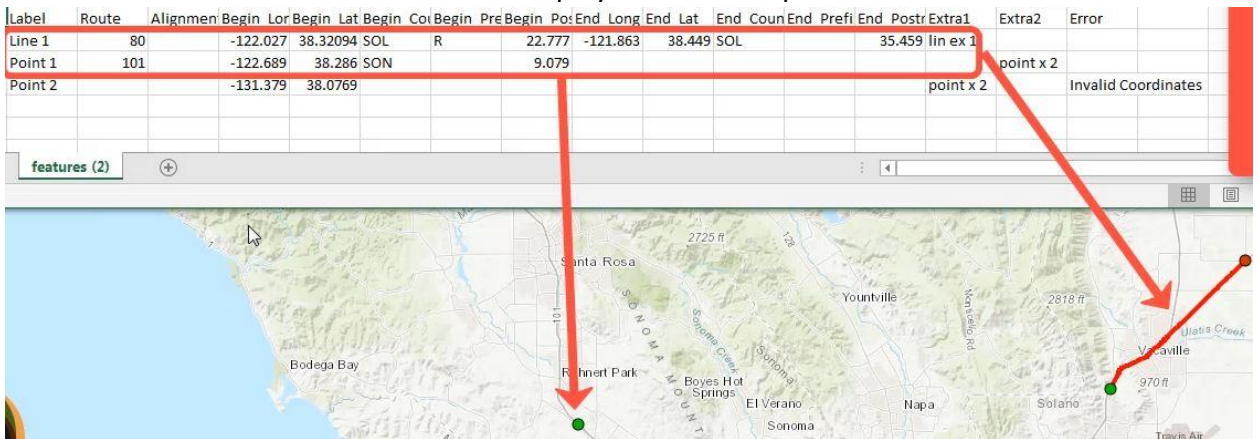
- After you plot it, a new CSV file will be created.



- When you open the new CSV file, you'll see that information on county, route, alignment, and postmile have been added.

Field1	Label	Route	Alignmen	egin_Lor	Begin_La	Begin_Coi	Begin_Pre	Begin_Pos	End_Long	End_Lat	End_Coun	End_Prefi	End_Post	Extra1	Extra2	Error
0	Line 1	80		-122.027	38.32094	SOL	R	22.777	-121.863	38.449	SOL		35.459	lin ex 1		
1	Point 1	101		-122.689	38.286	SON		9.079						point x 2		
2	Point 2			-131.379	38.0765									point x 2		Invalid Coordinates

- You can see that **Line 1** and **Point 1** are displayed on the map.



- Point 2** was noted "Invalid Coordinates", therefore it was not displayed on the map.

point x 2	Invalid Coordinates
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- You can click on the plotted features to view information in the popup side panel.

