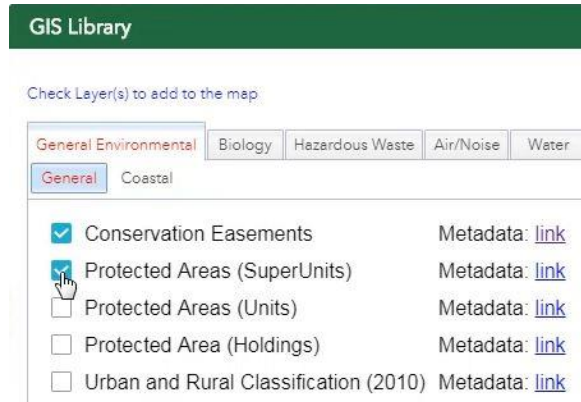# Screening

The purpose of this tutorial is to demonstrate the **Screening tool**. The Screening tool allows you to create an Area of Interest (AOI) and analyze specified layers for potential impacts.
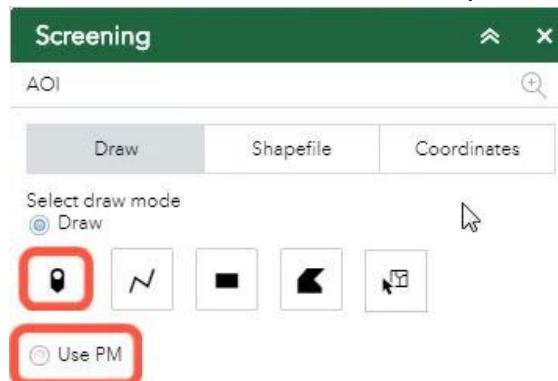
1. First, activate layers you'd like to analyze.

2. From the Tools menu, select Screening.

3. The first step in using the screening tool is to create an AOI. The AOI can be defined by the following methods: entering coordinates, uploading a shapefile, drawing, and using postmile (PM) information. This tutorial will demonstrate point and PM.

Draw by Point

1. Select point from the draw mode options.

   Select draw mode
   ◉ Draw

2. Choose which layers will be selectable.

   Choose selectable layer

   ☑ Select All

   ☑ Protected Areas (SuperUnits)

   ☑ Conservation Easements

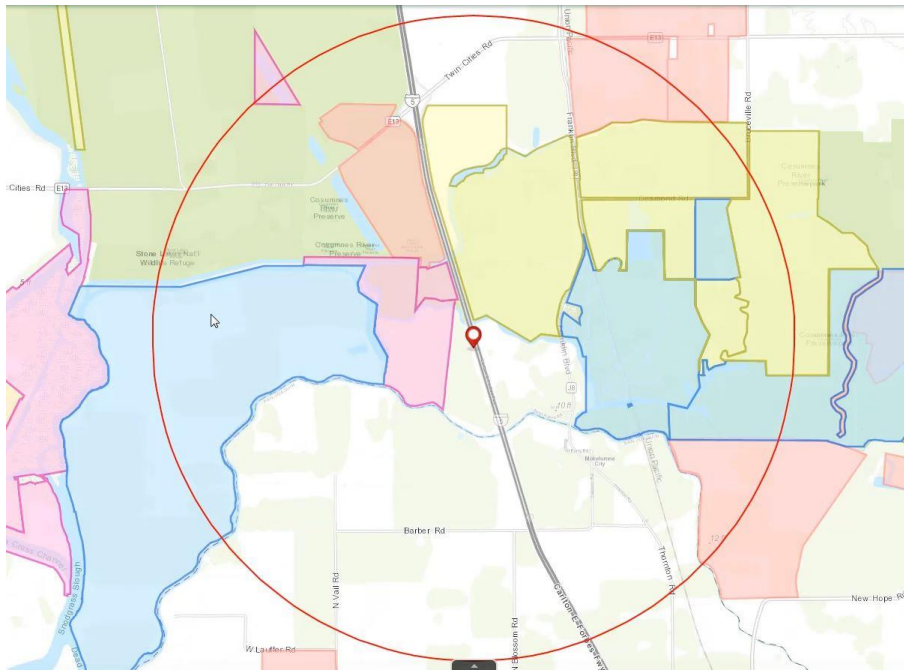3. You also have the option to add a buffer.

   Buffer distance (optional)

   Show results within

   | 2 | Miles ▼ |

   Report   Start Over

4. Next, click a point on the map.

   Click to add a point

5. After you click a point on the map, the AOI is created. The red line represents the boundary of the AOI.

6. After the AOI has been created, click report.

7. In the report, you can see the number of features captured in each layer by the number in parentheses.
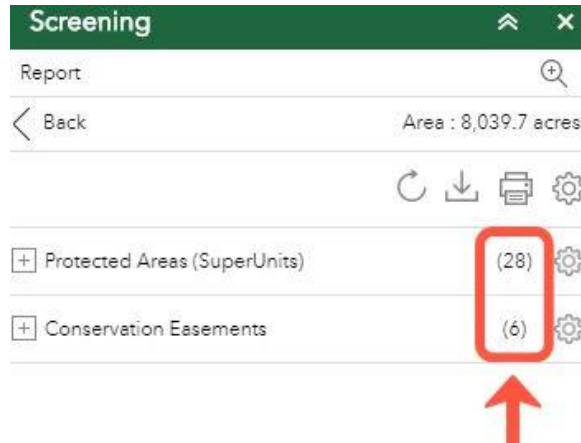
8. Expand a layer to see the list of features and the attribute information.
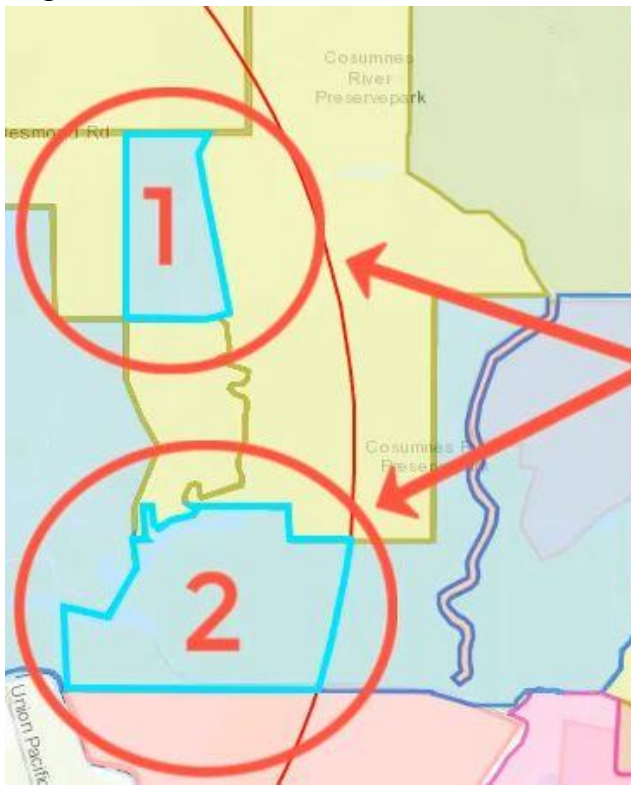
9. When you select a feature in the list it becomes highlighted in blue on the map.

OBJECTID:	9129
Shape:	*No Data*
SITE NAME:	BLM
PUBLIC ACCESS:	No Public Access
ACREAGE:	1493.616
PARK WEBPAGE:	*No Data*
AGENCY NAME:	United States Bureau of Land Management
AGENCY TYPE:	Federal Agency
AGENCY LEVEL:	Federal
AGENCY WEBPAGE:	http://www.blm.gov/wo/st/en.html
CT DISTRICT:	3
YR_EST:	*No Data*
DISTRICT:	DISTRICT 3
Region:	North

Area: 288.87 acre

10. You might see multiple polygons highlighted when you select a feature in the list. These are multipart polygons. Multipart polygons are multiple polygons that are tied to a single feature.


OBJECTID:	12949
Shape:	*No Data*
SITE NAME:	Cosumnes River Preserve
PUBLIC ACCESS:	Restricted Access
ACREAGE:	846.891
PARK WEBPAGE:	*No Data*
AGENCY NAME:	The Nature Conservancy
AGENCY TYPE:	Non Profit - Land Trust
AGENCY LEVEL:	Non Profit
AGENCY WEBPAGE:	http://www.nature.org/
CT DISTRICT:	3
YR_EST:	*No Data*
DISTRICT:	DISTRICT 3
Region:	North

Area: 261.71 acres

| OBJECTID: | 48 |
Shape:	*No Data*
SITE NAME:	BLM
PUBLIC ACCESS:	Open Access
ACREAGE:	14342199.962
PARK WEBPAGE:	*No Data*

11. You can filter the attribute fields for each layer by clicking on the settings icon next to the layer. Check the boxes for the attribute fields you'd like to keep.
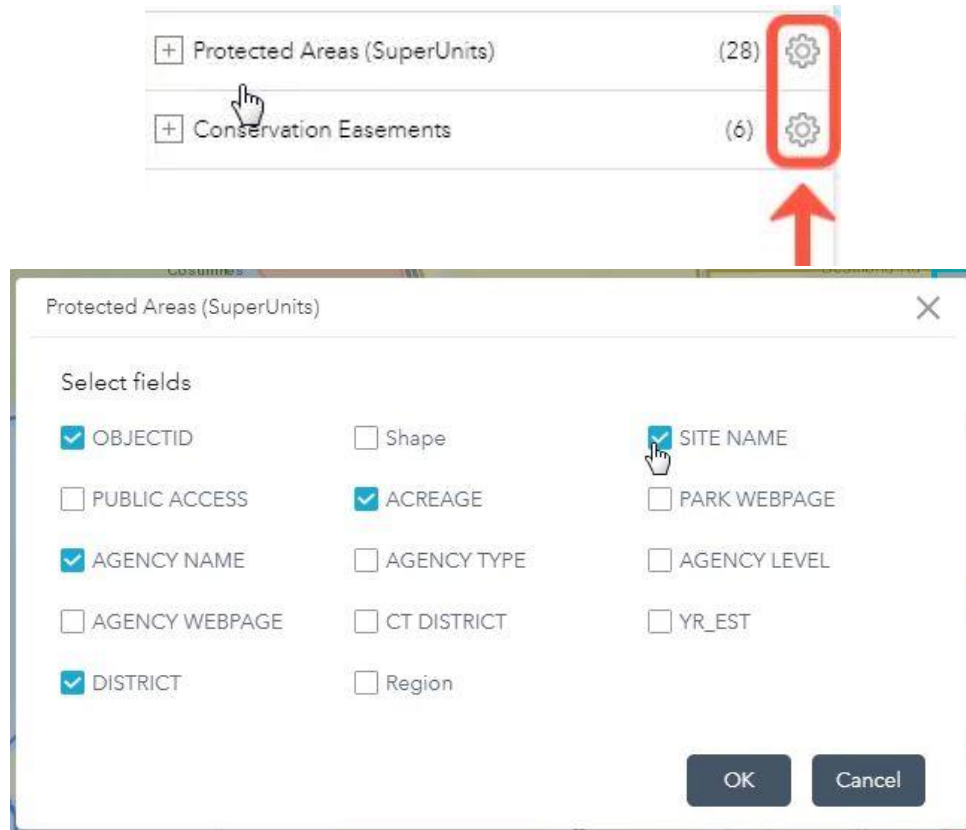
12. Click on the download icon to download a CSV file for each layer.

13. Click on the printer icon to create print the report.
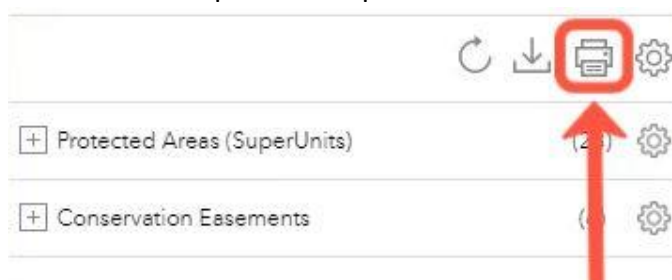
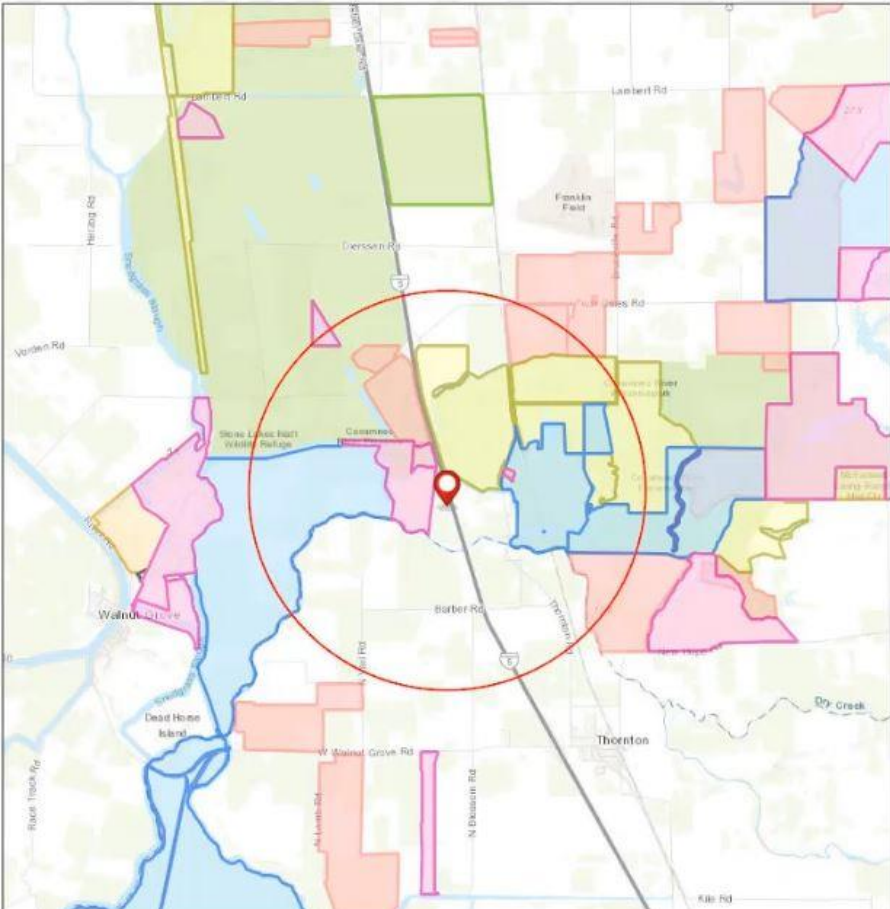**14.** Select the layout size and click print.

15. The report includes a map of the AOI

16. You can enter your own comments in the comment section.

17. There is a summary for each layer.

Summary

Name	Count	Area(acres)	Length(mi)
Protected Areas (SuperUnits)	28	2,102.89	N/A
Conservation Easements	6	628.64	N/A

Below the summary is a list of all the features in each layer.

Protected Areas (SuperUnits)

#	OBJECTID	SITE NAME	ACREAGE	AGENCY NAME	DISTRICT	Area(acres)
1	12944	Bean Ranch	1717.803	The Nature Conservancy	DISTRICT 3	818.53
2	12970	Cosumnes River Preserve	505.435	The Nature Conservancy	DISTRICT 3	504.57
3	9129	BLM	1493.616	United States Bureau of Land Management	DISTRICT 3	288.87
4	12949	Cosumnes River Preserve	846.891	The Nature Conservancy	DISTRICT 3	261.71
5	48	BLM	14342199.962	United States Bureau of Land Management	DISTRICT 3	205.88
6	255	Stone Lakes	41.202	Other State	DISTRICT 3	15.56
7	9820	Cosumnes River Ecological Reserve	5.743	California Department of Fish and Wildlife	DISTRICT 3	5.73
8	12971	Cosumnes River Preserve	505.435	The Nature Conservancy	DISTRICT 10	0.45

You may find a discrepancy between the feature count in the summary and the number of features listed.

Summary

Name	Count
Protected Areas (SuperUnits)	28
Conservation Easements	6

16	9859	Cosumnes River Preserve	364.737	Other State	DISTRICT 10	0.06
17	21461	Cosumnes River Preserve	364.737	Other State	DISTRICT 3	0.06
18	21462	Cosumnes River Ecological Reserve	4574.636	California Department of Fish and Wildlife	DISTRICT 3	0.06
19	21445	Cosumnes River Ecological Reserve	5.743	California Department of Fish and Wildlife	DISTRICT 3	0.02
20	21446	Cosumnes River Preserve	505.435	The Nature Conservancy	DISTRICT 3	0.02

This is because the summary counts each individual part of a multipart polygon as a single polygon, resulting in a higher count than the number of features listed.

18. When you're ready to print, click Print in the upper right-hand corner.
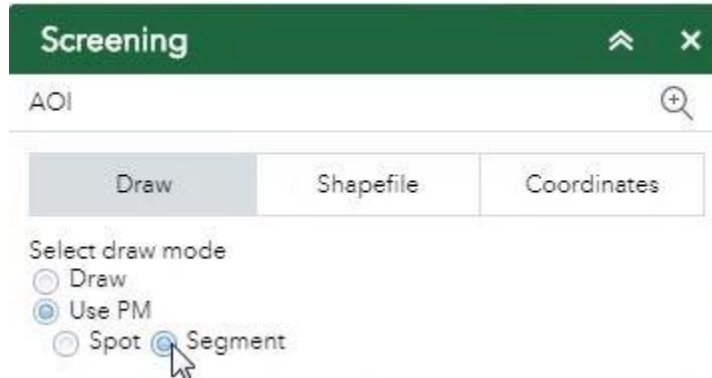
Print
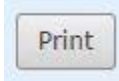
19. To create a new AOI go back to the GIS Library and click back on the Screening tool.

Screening ⌃ ✕

Report ⊕

‹ Back   Area : 8,039.7 acres

↻ ↓ 🖨 ⚙

Using PM

1. Under the Draw tab select Use PM, and then select either spot (point) or segment (line).

2. Next, enter all the necessary information. This includes county, route, alignment, PM, and prefix (if necessary).
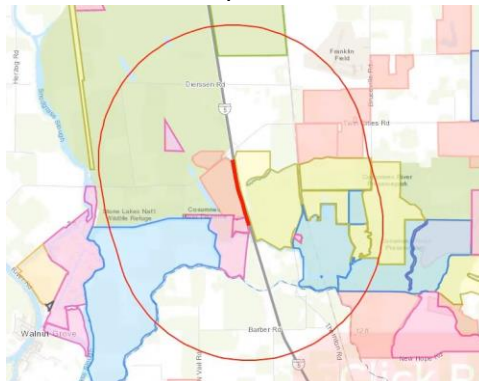

   When you enter the PM, make sure it is within the specified range.

3. Once all the necessary information has been entered, click Plot It.

   The AOI will then be created based on the provided PM information.

4. After the PM is plotted and the AOI is established, click Report.

Report

5. The report will contain all the same functions as explained above in the Draw by Point instructions.