In [73]:
```python
import datetime
import arcgis
from arcgis.gis import GIS
from IPython.display import display
import pandas as pd

# create a Web GIS object
gis = GIS("https://www.arcgis.com", "cassidymaciel", "Bailey131!")
```

In [74]:
```python
# get our group
group = gis.groups.search('Critical Habitat and Wildfires in Santa Maria')[0]
group
```
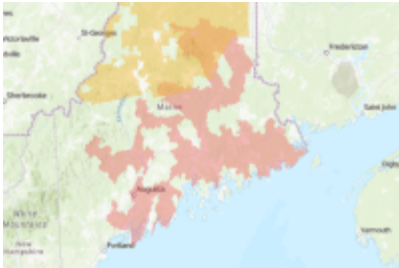
Out[74]:

**Critical Habitat and Wildfires in Santa Maria**

**Summary**: None
**Description**: None
**Owner**: cassidymaciel
**Created**: September 25, 2025

In [75]:
```python
# list items in the group
items = group.content()
for item in items:
    display(item)
```

**Critical Habitat for Threatened and Endangered Species**
This National Geospatial Data Asset (NGDA) dataset, shared as a U.S. Fish and Wildlife Service (FWS) feature layer, displays proposed and designated critical habitat under the U.S. Endangered Species Act. This layer is using a current federal service as its source.
Feature Layer Collection by Esri_US_Federal_Data
Last Modified: August 21, 2025
2 comments, 1,444,862 views

**Federally Protected Species - Designated Critical Habitat**
Idaho's Final and Proposed Federally Designated Critical Habitat and Essential Fish Habitat.
Feature Layer Collection by idahofishandgame
Last Modified: May 07, 2024
0 comments, 31,499 views

### USA Current Wildfires
This layer shows wildfires that have been updated within the past 7 days in the United States from IRWIN and NIFC information.
🚩Feature Layer Collection by esri_livefeeds2
Last Modified: September 25, 2025
327 comments, 315,035,055 views

In [93]:
```python
#create an empty webmap
from arcgis.map import Map
empty_webmap = Map()
```

In [96]:
```python
#verify the map
type(empty_webmap)
```

Out[96]:  arcgis.map.map_widget.Map

In [97]:
```python
empty_webmap.content.layers
```

Out[97]:  []

In [98]:
```python
empty_webmap.basemap.basemap
```

Out[98]:  {'baseMapLayers': [{'layerType': 'ArcGISTiledMapServiceLayer',
        'listMode': 'show',
        'opacity': 1.0,
        'refreshInterval': 0.0,
        'title': 'b37be19',
        'url': 'https://services.arcgisonline.com/ArcGIS/rest/services/World_Topo_Map/MapServer',
        'visibility': True}],
      'title': 'Topographic'}

In [76]:
```python
# create a map of our area of interest
m = gis.map('Idaho')
m
```

Out[76]:  Map(center=[5525838.78745526, -12763831.247776527], extent={'xmin': -13131519.52586671, 'ymin': 5025034.251503…

In [77]:
```python
m.zoom = 9
```

In [78]:
```python
# add the active fires layer
fires = items[1]
m.content.add(fires)
```

In [79]:
```python
# add our critical habitat layer
habit = items[2]
m.content.add(habit)
```

In [115…
```python
#Identify and name the map
webmapitem = m
```

```
critical_habitat_map = webmapitem
```

In [102… 
```
webmapitem
```

Out[102…
```
Map(center=[5525838.78745526, -12763831.247776527], extent={'xmin': -13131519.5258
6671, 'ymin': 5025034.251503…
```

In [103…
```python
# create a web map from the item
webmap = gis.map(webmapitem)
```

In [108…
```python
# read the operational layers in our webmap
for lyr in webmap.content.layers:
    if lyr.properties['name'].startswith('USA_Current_Wildfires'):
        print(lyr.url)
```

In [109…
```python
# read the operational layers in our webmap
for lyr in webmap.content.layers:
    if lyr.properties['name'].startswith('Critical_Habitat'):
        print(lyr.url)
```

In [116…
```python
webmap_item_properties = {'title':'Critical Habitat at Risk from Current Wildfires'
                          'snippet':'Map created using Python API showing critical h
                          'tags':['wildfire', 'critical habitat', 'python']}

critical_habitat_map.save(webmap_item_properties, thumbnail='./webmap_thumbnail.png
```

Out[116…

**Critical Habitat at Risk from Current Wildfires**
Map created using Python API showing critical habitat
in Idaho and current US wildfires.
Web Map by cassidymaciel
Last Modified: September 25, 2025
0 comments, 0 views

In [ ]: