

Data Sources and Polygon Details

Please see below for an overview of data sources that informed SCE’s assessment of elevated utility wildfire risk in each proposed addition and removal to the HFTD. In order to facilitate use of our approach and data by other entities, SCE primarily relied on public data sources. No single source of data or factor was dispositive in the determination of whether to recommend specific polygons for inclusion to, or removal from HFTD.

Polygon Identification

Each polygon is represented by a unique identification number and either “A” to indicate a recommended addition, or “R” to indicate a recommended removal. The name of the polygon generally represents a city, circuit, road, or other significant landmark within or near the polygon.

Polygon Location & Size

This attribute is used to identify any counties a polygon traverses, as well as the latitude and longitude of the polygon’s geometric center. Size is provided in acres.

Map of Polygon with SCE Assets

These maps depict the polygon SCE is recommending for addition or removal from HFTD, including existing SCE distribution and transmission lines in these locations. These maps also depict existing Tier 2 and Tier 3 HFTD, as well as the SCE service territory boundary line when applicable. Data is current as of May 2024.

Links: [HFTD, Transmission, and Distribution Layers, Distribution Resources Plan External Portal | Southern California Edison](#)

Vegetation/Fuels

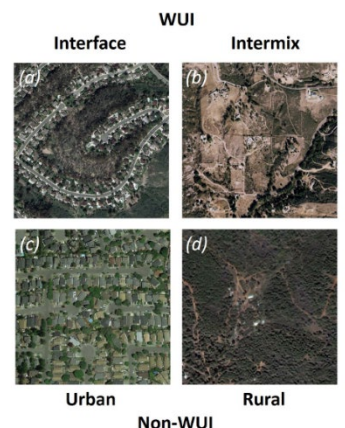
These tables describe the fuel types present in the polygon SCE is recommending for addition or removal from HFTD, including the respective percentage of area within each polygon. The data are based on the LandFire fuel dataset as modified by Technosylva (TS). More specifically, the data is derived from "LandFire 2016, updated with additional classifiers" to reflect "urban fuels and projected fuel regrowth in significant fire scars from previous fire seasons, with growth projections extending to 2030." Data is current as of May 2024.

Links: [Southern California Edison | Technosylva, Fuel | LandFire, LANDFIRE 2016 Remap | LandFire](#)

Silvis Lab Wildland-Urban Interface (WUI)

These metrics indicate the percentage of each polygon in the Silvis Lab dataset by Wildfire Urban Interface (WUI) category, including:

- WUI Intermix: areas where housing and vegetation intermingle.
- WUI Interface: areas with housing in the vicinity of contiguous wildland vegetation.
- Wildlands/Rural/Vegetation: areas comprised primarily of vegetation.
- Urban/No Vegetation: little to no vegetation, typically residential and commercially developed areas.
- Water: bodies of water.



WUI intermix and interface areas are of higher risk due to the proximity of structures to wildland vegetation, which can lead to more significant impacts on customers in the event of a wildfire. These areas are particularly

vulnerable because they can facilitate the spread of wildfires to residential communities, potentially leading to greater property damage and loss of life.

WUI urban areas tend to have less vegetation and generally have a lower potential for catastrophic wildfires due to the presence of more fire-resistant infrastructure, fewer flammable materials, and better access to firefighting resources.

WUI rural areas may experience fires but typically do not have the same density of customers or structures as intermix and interface areas, with subsequently lower potential for public safety risk due to wildfire.

SCE used data from Silvis Lab's 2020 Data Version 4, released July 2023.

Link: [Wildland-Urban Interface \(WUI\) Change 1990-2020 – SILVIS LAB – UW–Madison](#)

SCE Conductor Circuit Miles

These features indicate the type and miles of distribution, sub-transmission, and transmission lines within each polygon, SCE is recommending for addition or removal from HFTD, including the total of all overhead miles. Data is current as of May 2024.

Customer Meters

These features indicate the total number of SCE customer meters served by the assets which traverse each polygon SCE is recommending for addition or removal from HFTD. Data is current as of May 2024.

ESRI Average Terrain Slope

These features indicate the average slope in each polygon SCE is recommending for addition or removal from HFTD. Zero "0" degrees represents flat terrain, whereas ninety "90" degrees represent a vertical aspect ratio.

Complex terrain with steep slopes can challenge fire suppression and allow a fire to spread more quickly. The crests of hills and flat areas without continuous fuels can be used to mark the boundary of high fire risk areas. Data from ESRI ArcGIS software, current as of May 2024.

USFS Wildfire Hazard Potential

The data set is from the United States Department of Agriculture (USDA) and United States Forest Service (USFS) Wildfire Risk to Communities. There are five levels of wildfire hazard potential (5: Very High; 4: High; 3: Medium; 2: Low; 1: Very Low).

Per the USFS, Wildfire Hazard Potential is an "index that quantifies the relative potential for wildfire that may be difficult to manage, used as a measure to help prioritize where fuel treatments may be needed". The data for each polygon shows the average hazard potential level based on percentage of the polygon area.

SCE used data from the 2020 release of USFS Wildfire Hazard Potential. The USFS released an updated dataset in 2024, increasing resolution from 270 meters to 30 meters and changing some methodological approaches. For example, areas considered non-burnable such as bodies of water no longer have a rating (as opposed to having a low rating in the 2020 data release). SCE has reviewed the 2024 dataset and it does not alter SCE's conclusions.

Link: [Wildfire Risk to Communities 2020 Release | U.S. Forest Service](#), [Wildfire Risk to Communities Latest Release, Wildfire Hazard Potential \(Image Service\) | U.S. Forest Service - Geospatial Data Discovery](#)

USFS 8ft+ Flame Length Probability

This data set is from the United States Department of Agriculture (USDA) and United States Forest Service (USFS). The 8-foot Flame Length Exceedance Probability, is used to express the average flame length across all wildfire simulations conducted by the USFS for that location.

Per the USFS, this metric indicates “the conditional probability that flame length at a pixel will exceed 8 feet if a fire occurs” which “indicates the potential for high wildfire intensity.”

SCE used data from the 2020 release of Flame Length Exceedance Probability. As with Wildfire Hazard Potential, the USFS released an updated dataset in 2024, increasing resolution from 270 meters to 30 meters and changing some methodological approaches. For example, simulations set areas marked as developed (hence not burnable from a wildfire perspective) to 0%. SCE has reviewed the 2024 dataset and it does not alter SCE’s conclusions.

Link: [Wildfire Risk to Communities 2020 Release | U.S. Forest Service](#), [Wildfire Risk to Communities Latest Release, Flame Length Exceedance Probability - 8 foot \(Image Service\) | U.S. Forest Service - Geospatial Data Discovery](#)

Recommendation Comments

As needed, SCE has provided additional details related to its analysis for certain polygons.

Additional Maps

SCE has included four additional maps for each polygon that visualize Wildfire Hazard Potential, 8ft Flame Length Probability, WUI categories, and historical fire activity.

SCE made modifications to CAL FIRE Perimeters 1950-2023 to produce maps of past fires surrounding and overlapping with polygons. CAL FIRE past fire polygons were filtered to wildfires exceeding 300 acres burned since the year 2000 and grouped by date range. Note that fire boundaries are approximate. Per Cal Fire: “Although the database represents the most complete digital record of fire perimeters in California, it is still incomplete, and users should be cautious when drawing conclusions based on the data.” Data is from the 2023 release by CAL FIRE.

Link: [Fire Perimeters | CAL FIRE](#)

Integrated Wildfire Mitigation Strategy

In some cases, SCE has added comments related to its Integrated Wildfire Mitigation Strategy (IWMS). As described in SCE’s Wildfire Mitigation Plans¹ since 2022, SCE uses the IWMS as a risk framework for mitigation prioritization within the HFTD. The IWMS features three risk tranches, shown in the table below:

| Severe Risk Area Criteria |
|---|
| <ul style="list-style-type: none"> ○ Population egress, high fire frequency location, and burn-in buffer into egress locations. ○ Significant fire consequence – Acres burned consequence greater than 10,000 over an 8-hour unsuppressed model simulation. ○ High winds – Locations, which if fully covered with covered conductor, would still be subject to high PSPS likelihood. ○ Communities of Elevated Fire Concern (CEFCs) – smaller geographic areas where terrain and other factors could lead to smaller, fast-moving fires threatening populated locations under benign (normal) weather conditions. |
| High Consequence Area Criteria |
| <ul style="list-style-type: none"> ○ Not identified in meeting Severe Risk Area criteria. ○ Destructive fire consequence – Acres burned consequence between 300 and 10,000 over an 8-hour unsuppressed model simulation. ○ Locations subject to PSPS events in which covered conductor has not been fully deployed. |
| Other HFRA Criteria |
| <ul style="list-style-type: none"> ○ Not identified in meeting Severe Risk Area or High Consequence criteria. ○ Small fire consequence - Acres burned consequence less than 300 over an 8-hour unsuppressed model simulation. |

Table 1 - IWMS Risk Framework Risk Tranches (Mutually Exclusive)

The IWMS tranches were initially assigned in 2022 following a process that divided SCE’s service territory into equal hexagons sized at 1,000m when measured center-to-center (or roughly 214 acres each). Each hexagon was then flagged if it met any of the criteria noted in the table above, and manually reviewed by a team of experts at SCE. As discussed in SCE’s WMP,² these initial results are then manually reviewed, adjusted if necessary, and used as a starting point for mitigation prioritization and selection.³

To identify egress, SCE determined which hexagons in its HFRA have substantial road availability concerns using a ratio of roads to population in each hexagon. A lower score indicates fewer miles of roads available per person in a given hexagon, creating a potential egress concern should everyone in the polygon need to evacuate the area simultaneously.

In some cases, SCE has proposed HFTD removals in which portions of the proposed removal polygon overlap with hexagons that met either Severe Risk Area (SRA) or High Consequence Area (HCA) criteria. SCE has provided explanations in those cases to explain the proposed removal of the HFTD designation.

¹ For the most recent explanation of IWMS, see Section 6.2.1.2 of SCE’s 2023-2025 WMP. In the 2022 WMP, SCE used to the term “Integrated Grid Hardening Strategy.”

² See “Stage 2: Review & Revise” on page 114 of SCE’s 2023-2025 WMP.

³ The mitigation selection process uses risk analysis as a starting point, combined with other factors such as cost, feasibility, complementary mitigations, and operational constraints. Please see Chapter 7 of SCE’s 2023-2025 WMP for a full discussion of SCE’s mitigation strategy and selection process.

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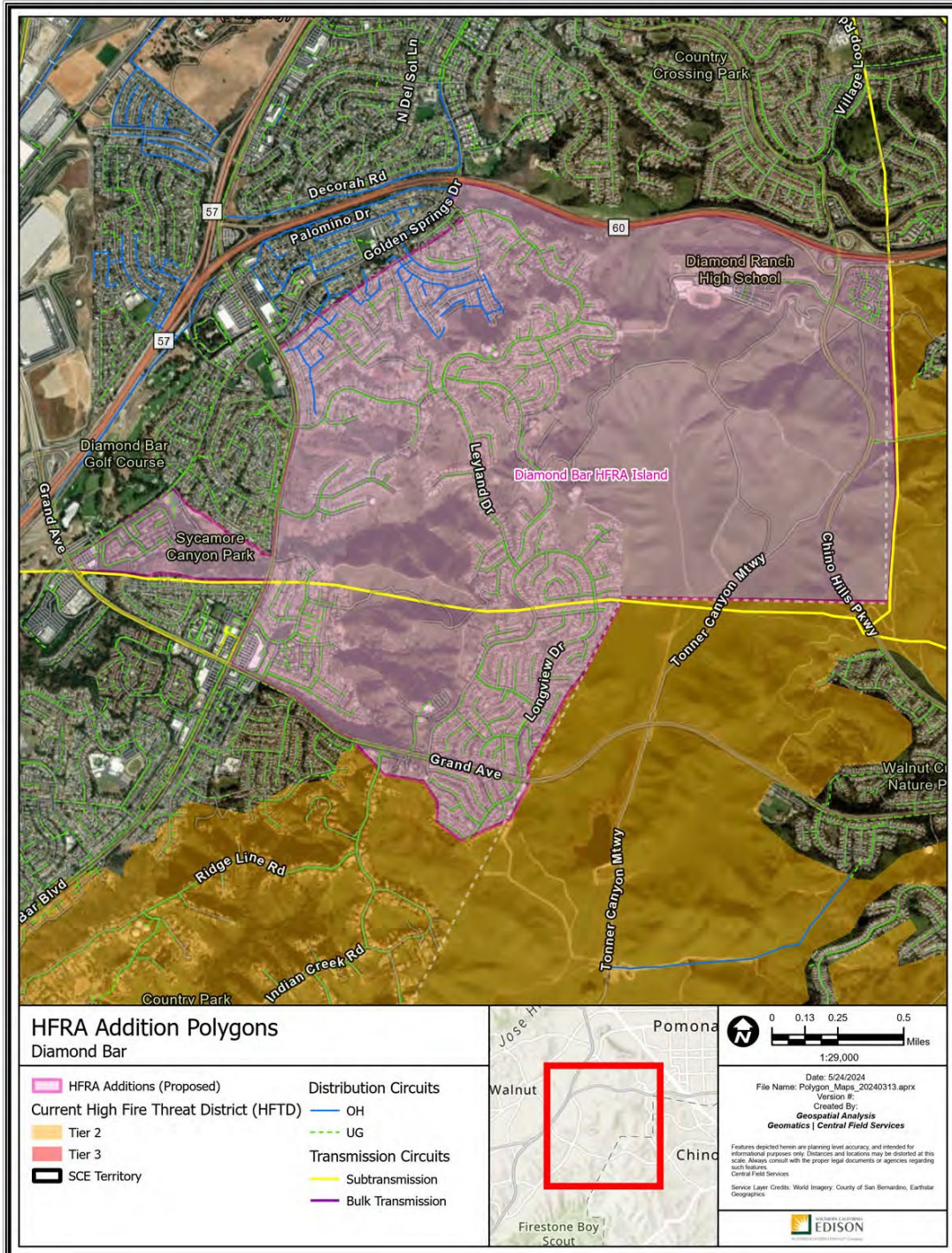
| | |
|--|-----|
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Additions

Wildland-Urban Interface/Intermix

A1 – Diamond Bar

Los Angeles County
 -117.790009, 34.011581
 2,621 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---|
| 36.4% | Moderate Load Dry Climate Grass Shrub |
| 13.1% | Low Load Dry Climate Grass |
| 11.6% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 7.8% | Non Burnable Urban Areas |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 35.0% | 47.5% | 12.8% | 4.7% | 0.0% | 100% |

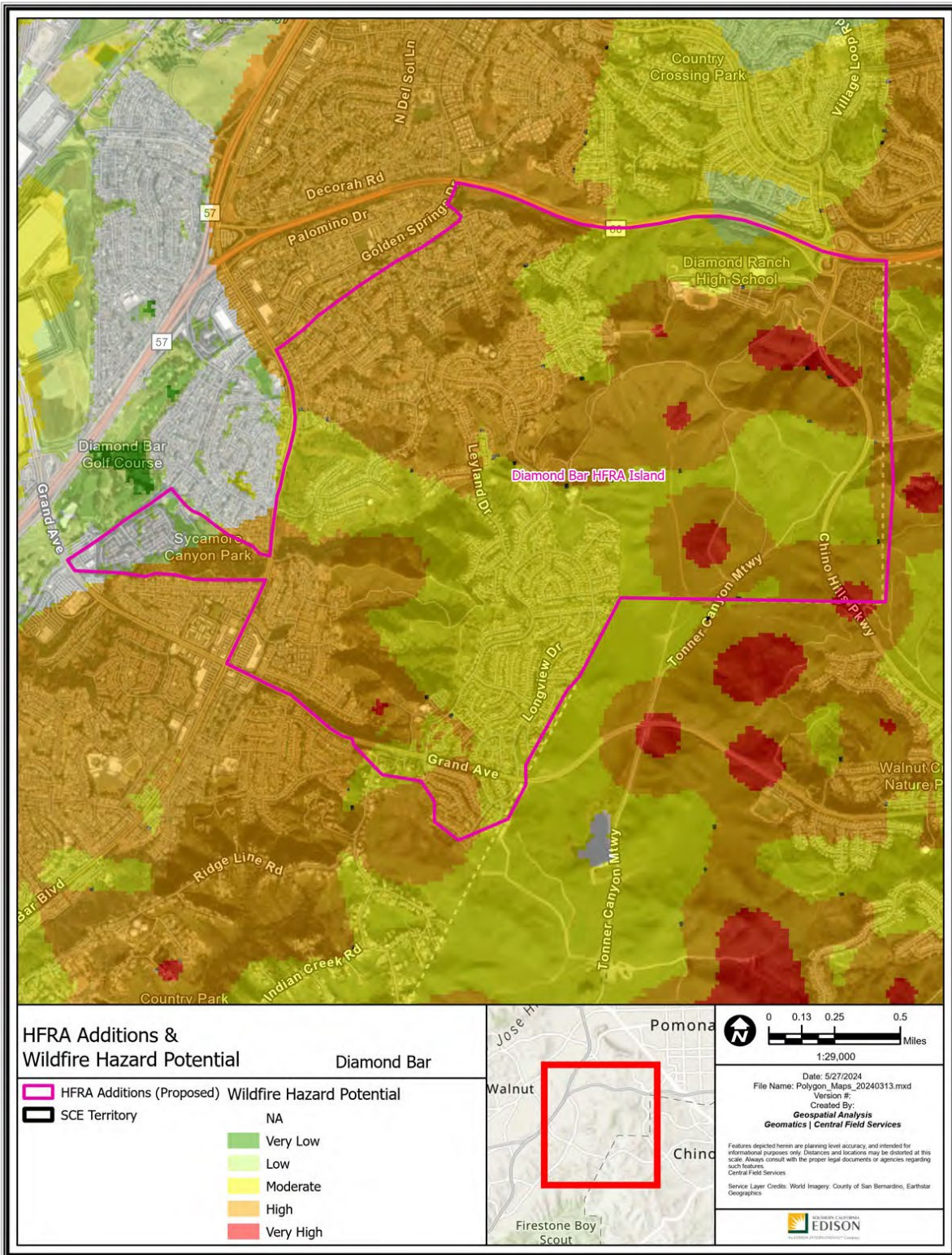
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 2.87 | 41.81 | 2.78 | 0 | 0 | 47.46 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 4,345 | 6.22° | 4: High | 18% |

Recommendation:

SCE proposes to include the Diamond Bar polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into terrain that features residential homes in moderately complex terrain with dry fuel loads, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. Diamond Ranch High School, with only one main access road, may experience restricted egress for students in the event of an emergency such as a wildfire.
2. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
3. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
4. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
5. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
6. The boundaries of this polygon are drawn along the foot or crests of slopes, the Pomona Freeway, and Diamond Bar Boulevard to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.



HFRA Additions & Wildfire Hazard Potential

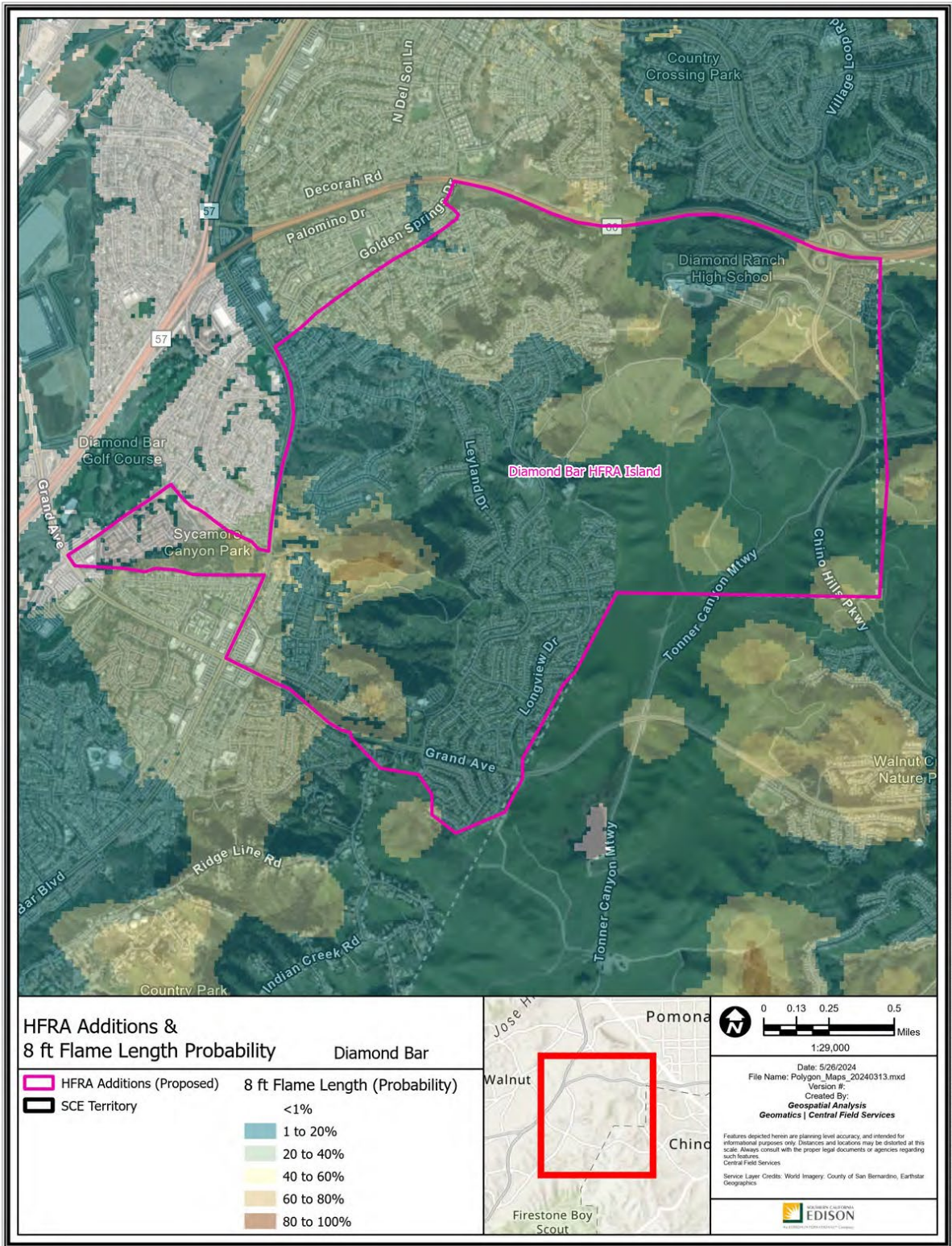
- | | |
|--|--|
| <p> HFRA Additions (Proposed)</p> <p> SCE Territory</p> | <p>Wildfire Hazard Potential</p> <ul style="list-style-type: none"> NA Very Low Low Moderate High Very High |
|--|--|

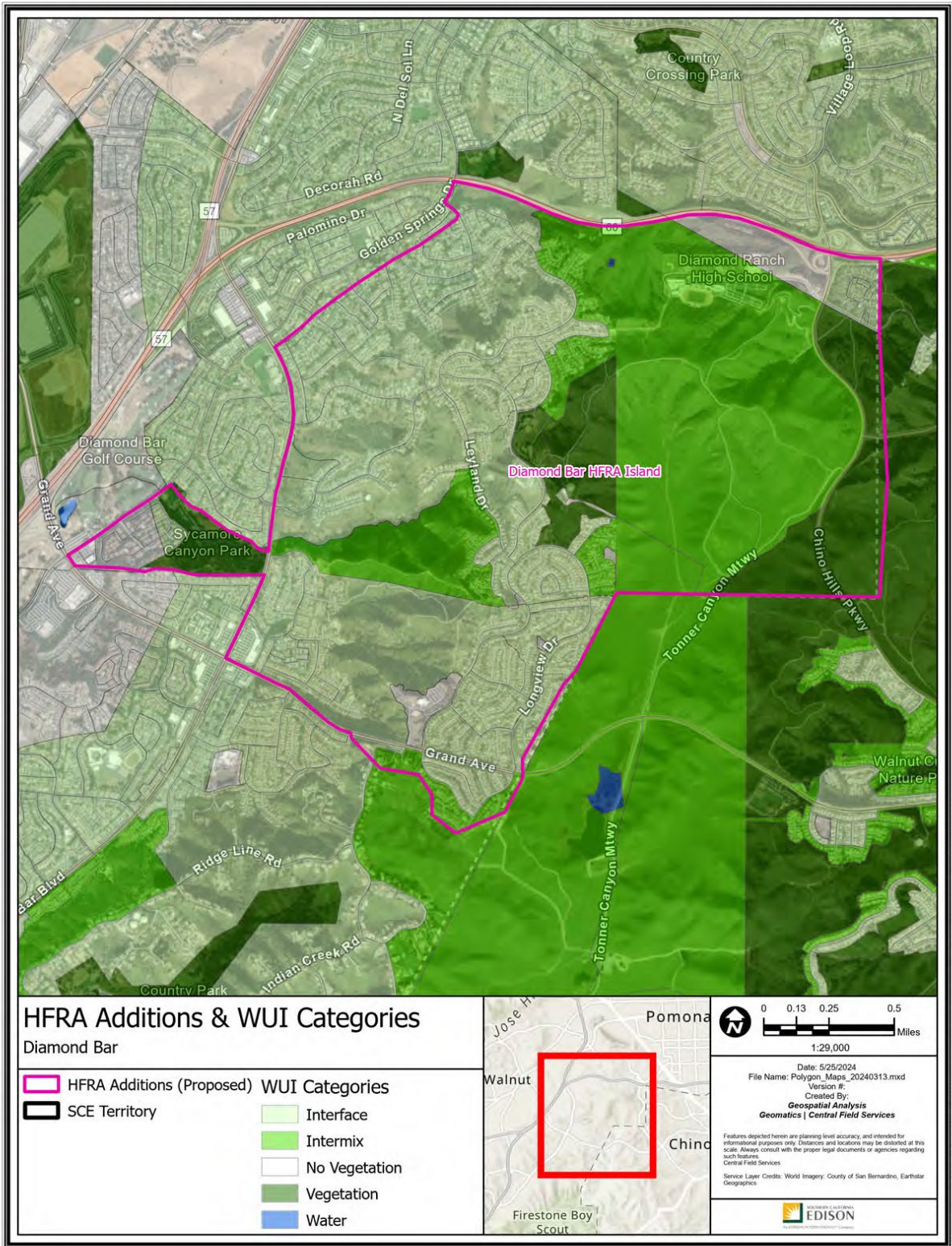
0 0.13 0.25 0.5 Miles
1:29,000

Date: 5/27/2024
File Name: Polygon_Maps_20240313.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Central Field Services
Service Layer Credits: World Imagery, County of San Bernardino, Earthstar Geographics








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HFRA Additions & WUI Categories

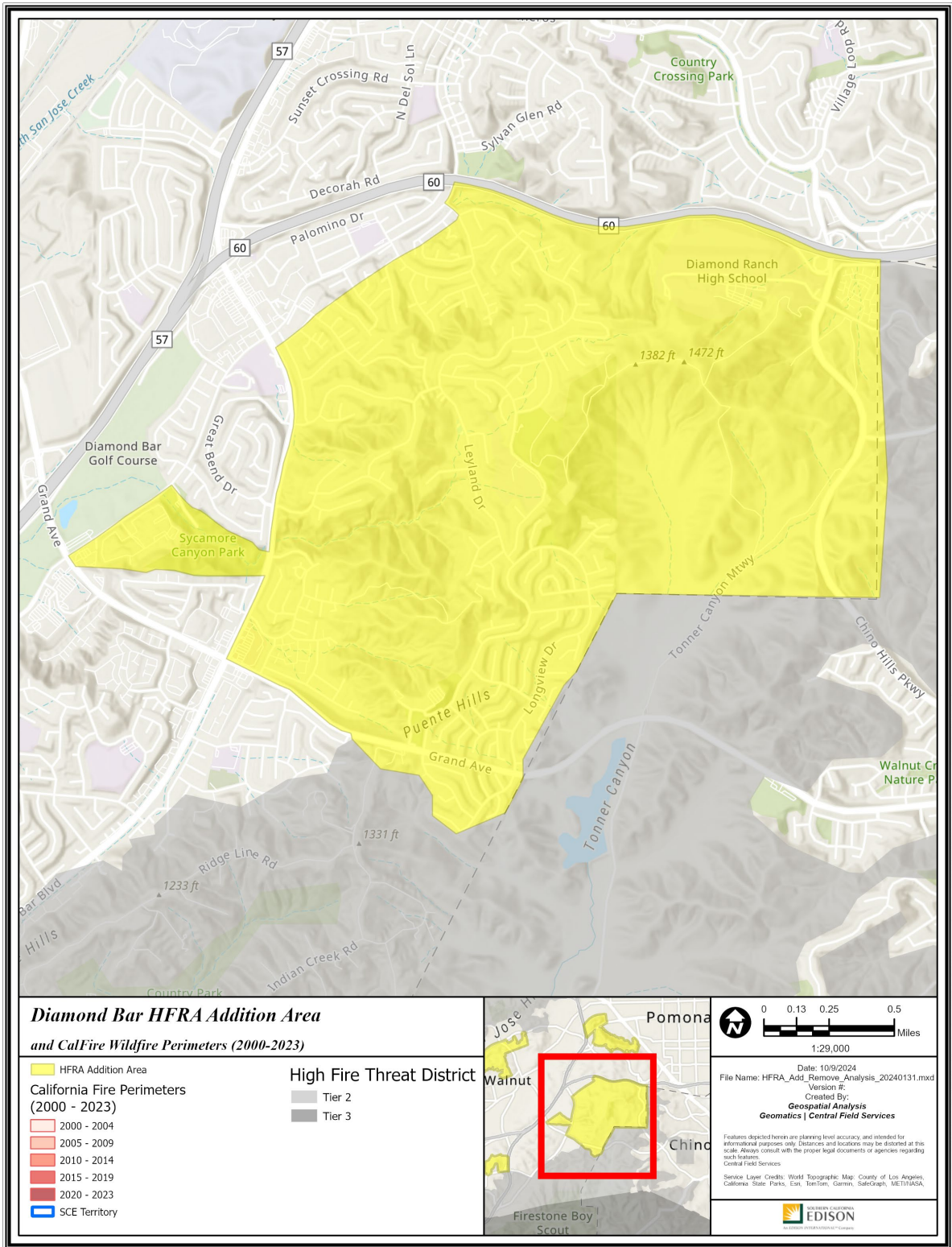
Diamond Bar

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



 0 0.13 0.25 0.5 Miles
 1:29,000
 Date: 5/25/2024
 File Name: Polygon_Map_20240313.mxd
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Geospatial Analysis
Geomatics | Central Field Services
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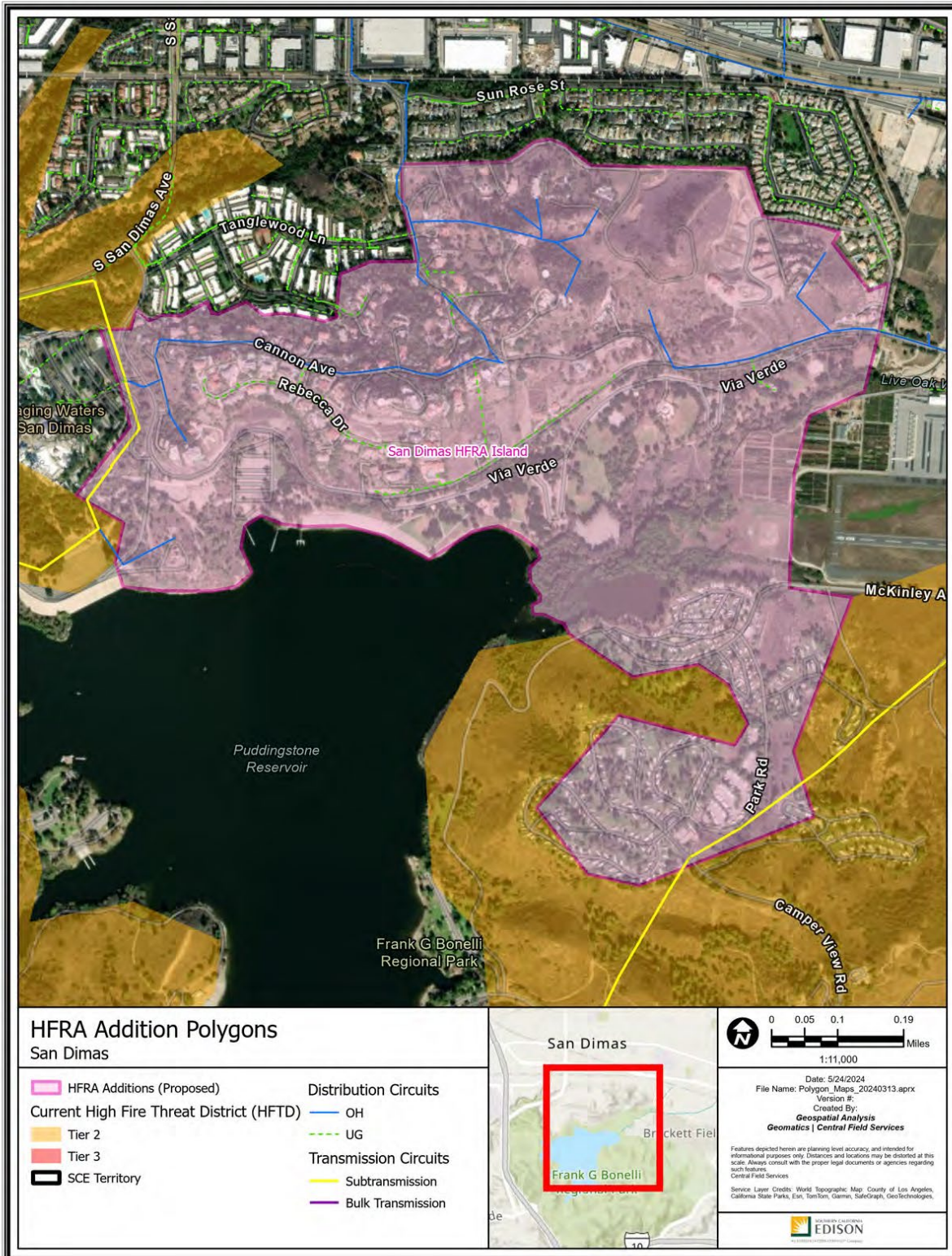
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A2 – San Dimas

Los Angeles County
 -117.797779, 34.093481
 401 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 56.0% | Moderate Load Dry Climate Grass Shrub |
| 8.6% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 8.2% | Timber Litter |
| 7.5% | Minor Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 14.0% | 0.0% | 0.0% | 83.8% | 2.2% | 100% |

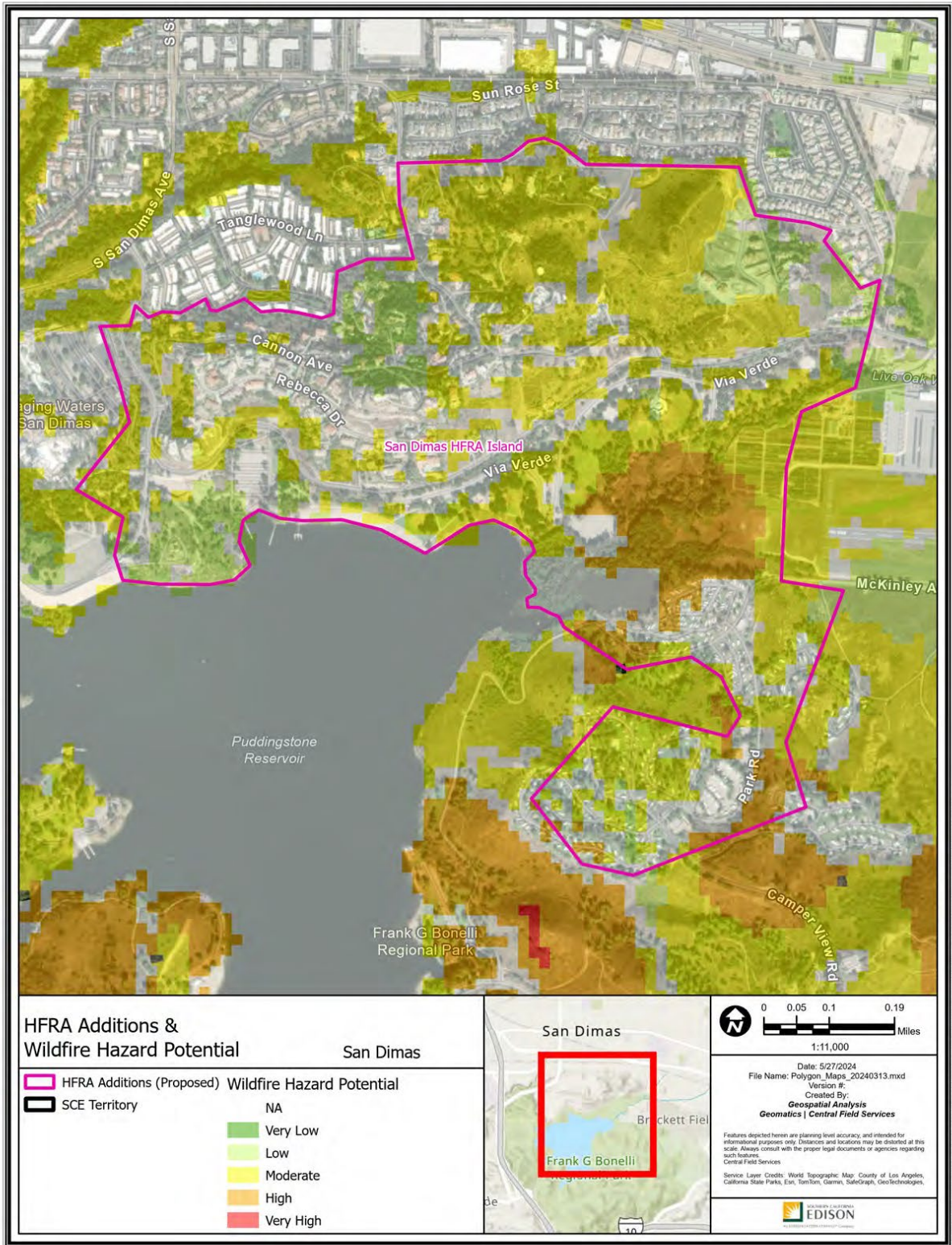
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 2.56 | 1.65 | 0.5 | 0 | 0 | 4.71 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 130 | 5.22° | 3: Moderate | 25% |

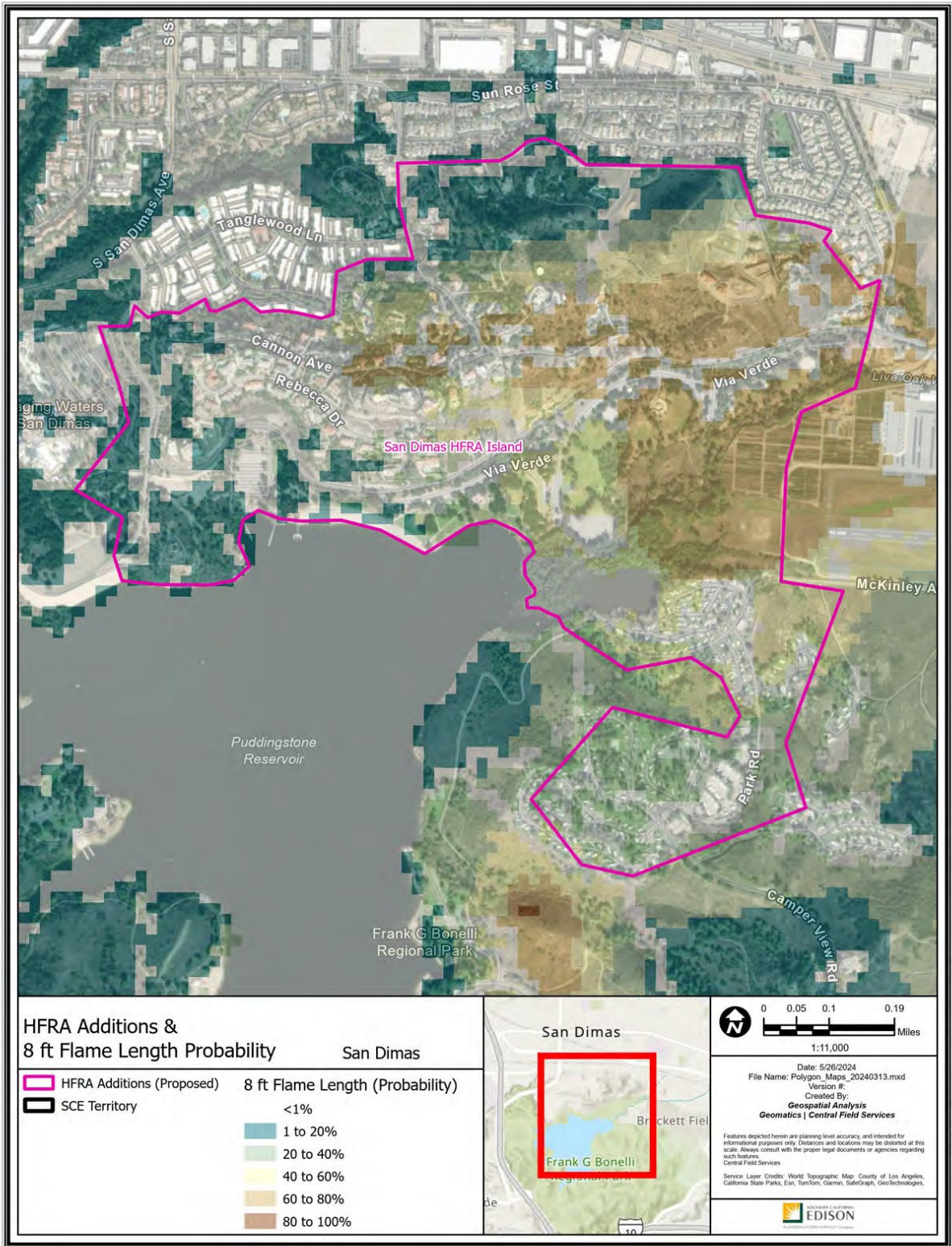
Recommendation:

SCE proposes to include the San Dimas polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary across residential homes situated on large lots with dry fuel loads in complex terrain, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

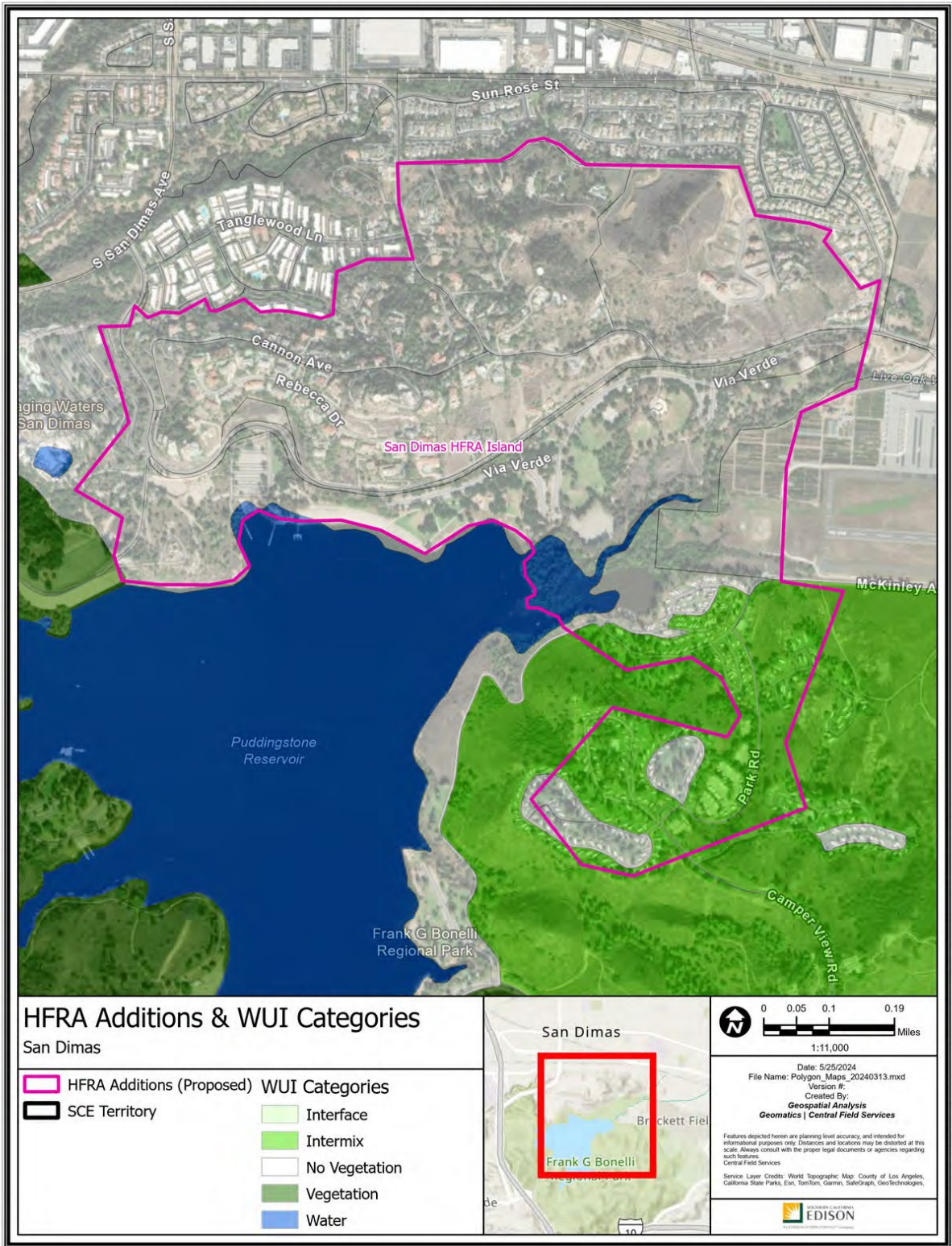
1. Land use and fuel in this polygon match the characteristics of Wildland-Urban Intermix.
2. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. The polygon has a high ratio of population to roadways, creating potential egress risks.
4. The boundaries of this polygon are drawn along the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.



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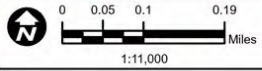
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HFRA Additions & WUI Categories

San Dimas

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



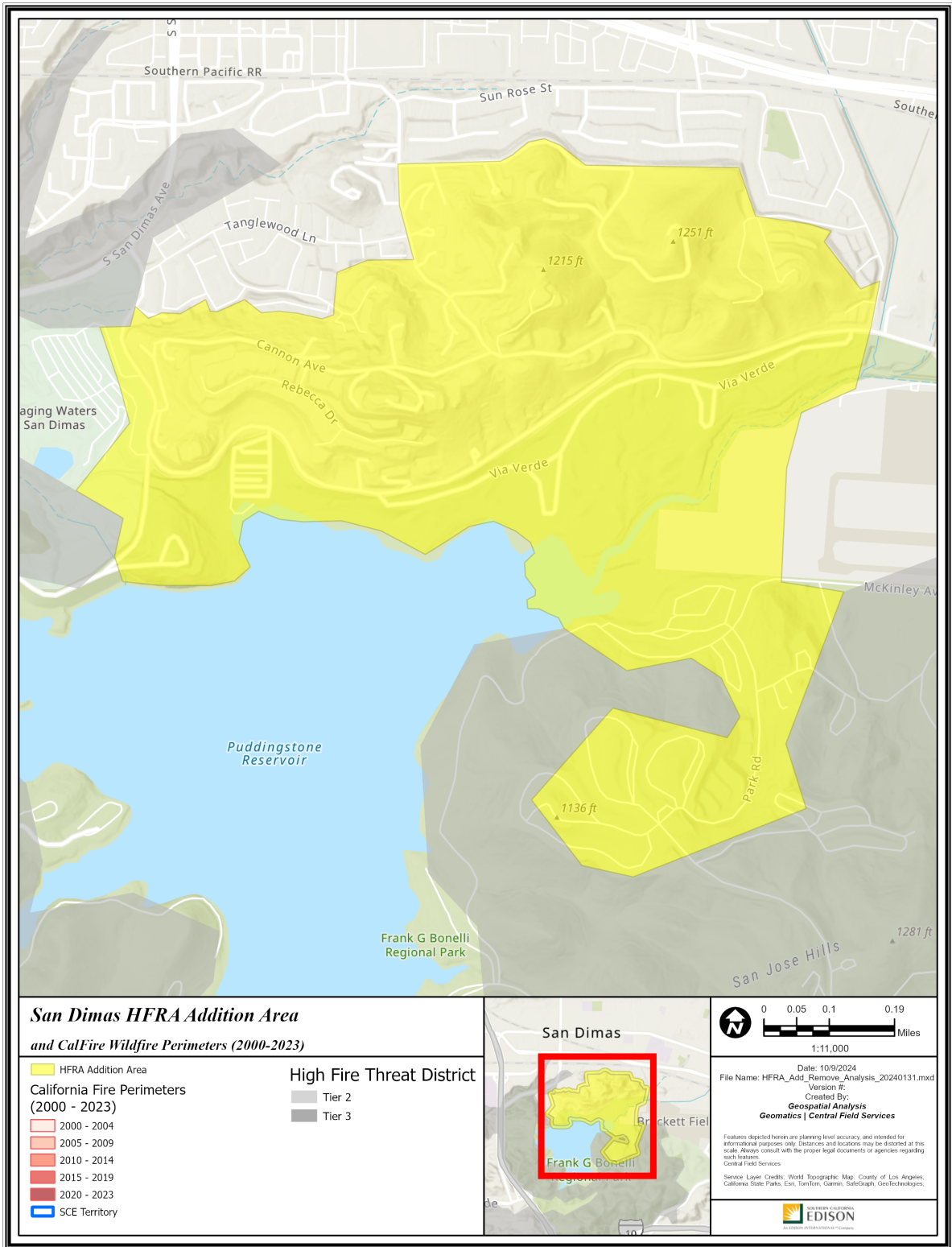
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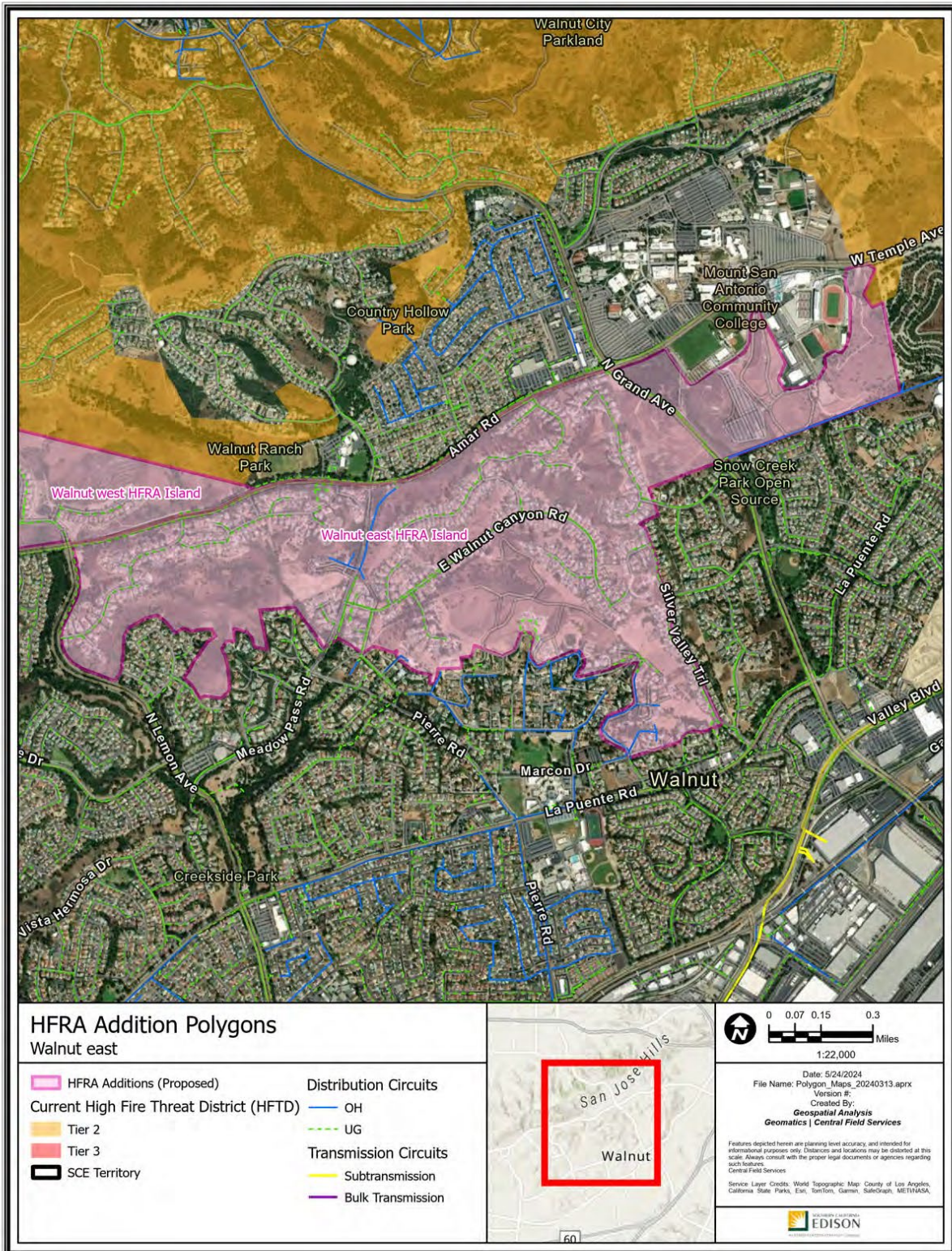
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A3 – Walnut East

Los Angeles County
 -117.853751, 34.035951
 753 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 56.8% | Moderate Load Dry Climate Grass Shrub |
| 16.2% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 11.5% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 3.9% | Low Load Dry Climate Grass Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.2% | 0.0% | 4.5% | 95.2% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 1.6 | 11.7 | 0 | 0 | 0 | 13.3 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 629 | 4.76° | 2: Low | 22% |

Recommendation:

SCE proposes to include the Walnut East polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into unmaintained and unirrigated moderate load fuels on complex terrain, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. Land use and fuel in this polygon match the characteristics of Wildland-Urban Intermix.
2. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
4. The boundaries of this polygon are drawn along the foot or crests of slopes, including Amar Road, to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.

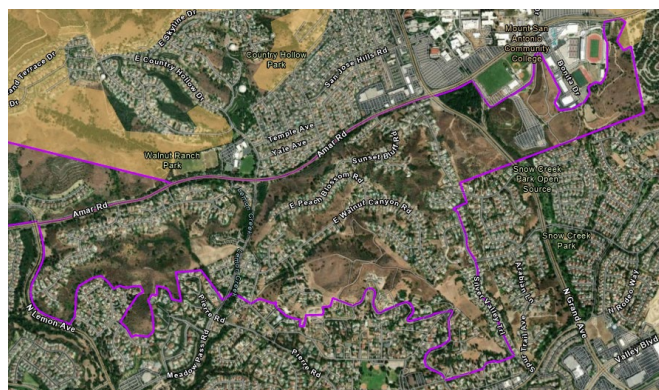
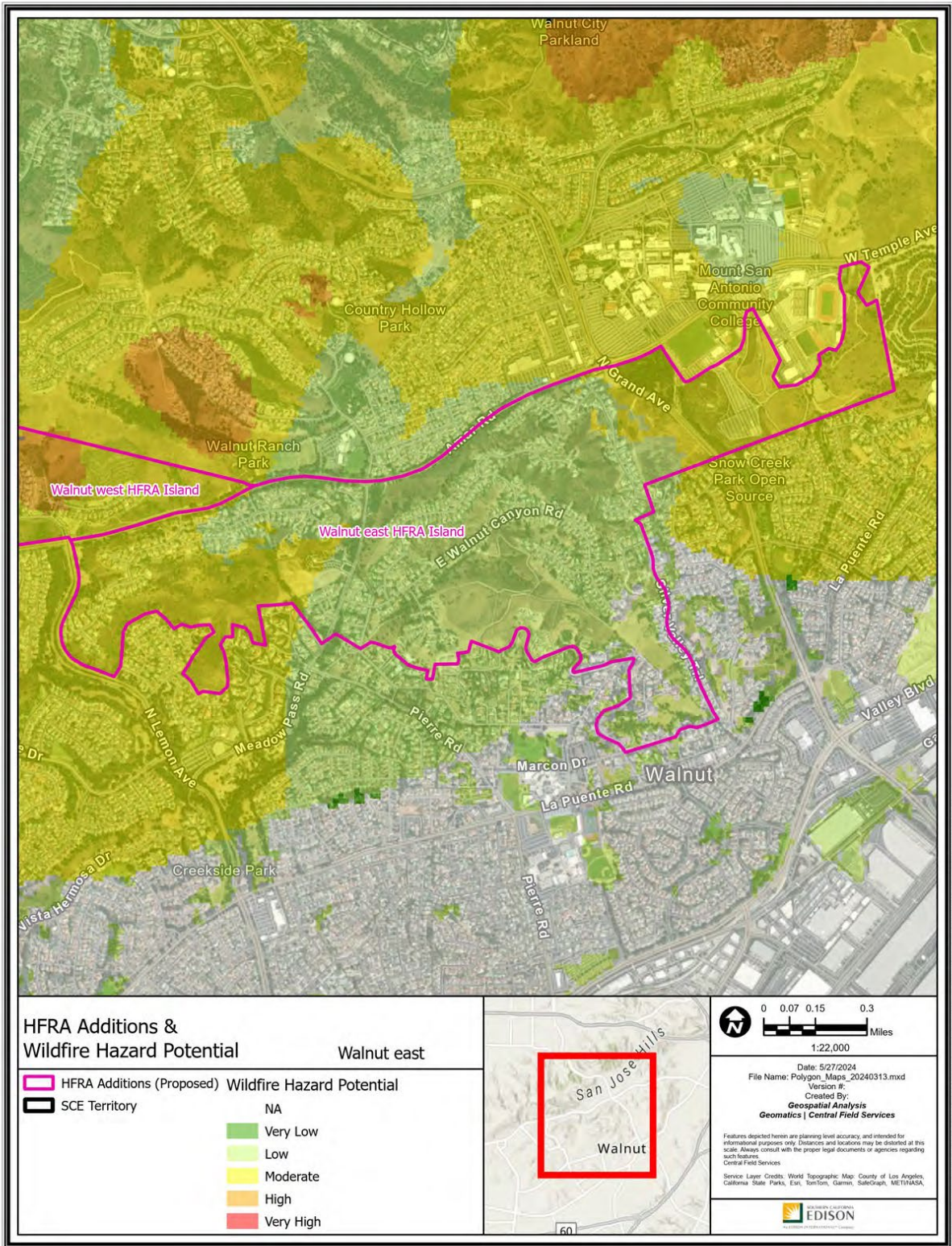










Figure 1 – Walnut East ESRI 1/2024



HFRA Additions & Wildfire Hazard Potential

| | | | |
|---|---------------------------|---|-----------|
|  | HFRA Additions (Proposed) |  | Very Low |
|  | SCE Territory |  | Low |
| | |  | Moderate |
| | |  | High |
| | |  | Very High |
| | |  | NA |




0 0.07 0.15 0.3 Miles
1:22,000

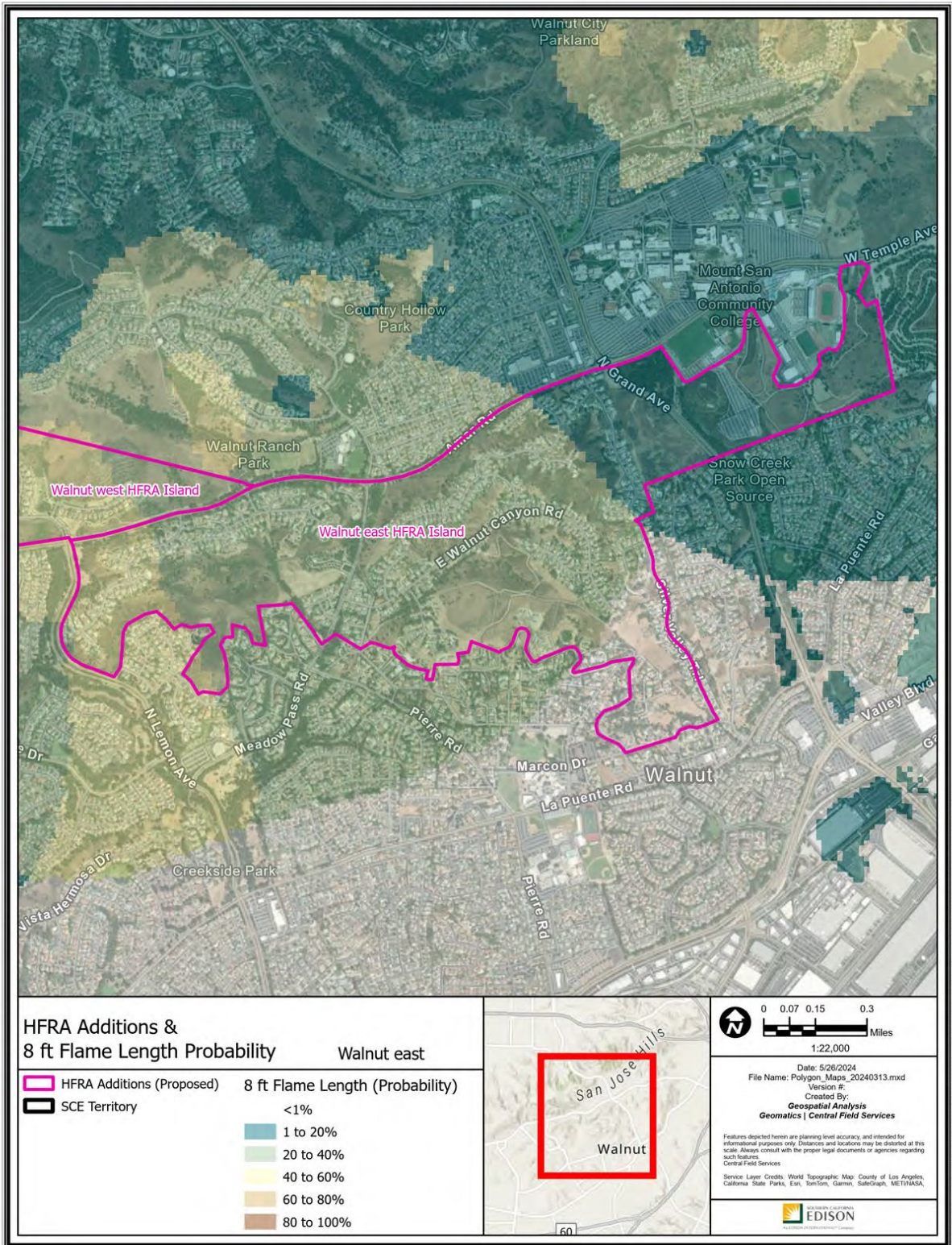
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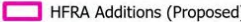
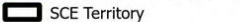



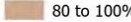
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HFRA Additions & 8 ft Flame Length Probability Walnut east

| | |
|---|--|
|  | HFRA Additions (Proposed) |
|  | SCE Territory |
| | 8 ft Flame Length (Probability) |
| | <1% |
|  | 1 to 20% |
|  | 20 to 40% |
|  | 40 to 60% |
|  | 60 to 80% |
|  | 80 to 100% |




0 0.07 0.15 0.3 Miles
1:22,000

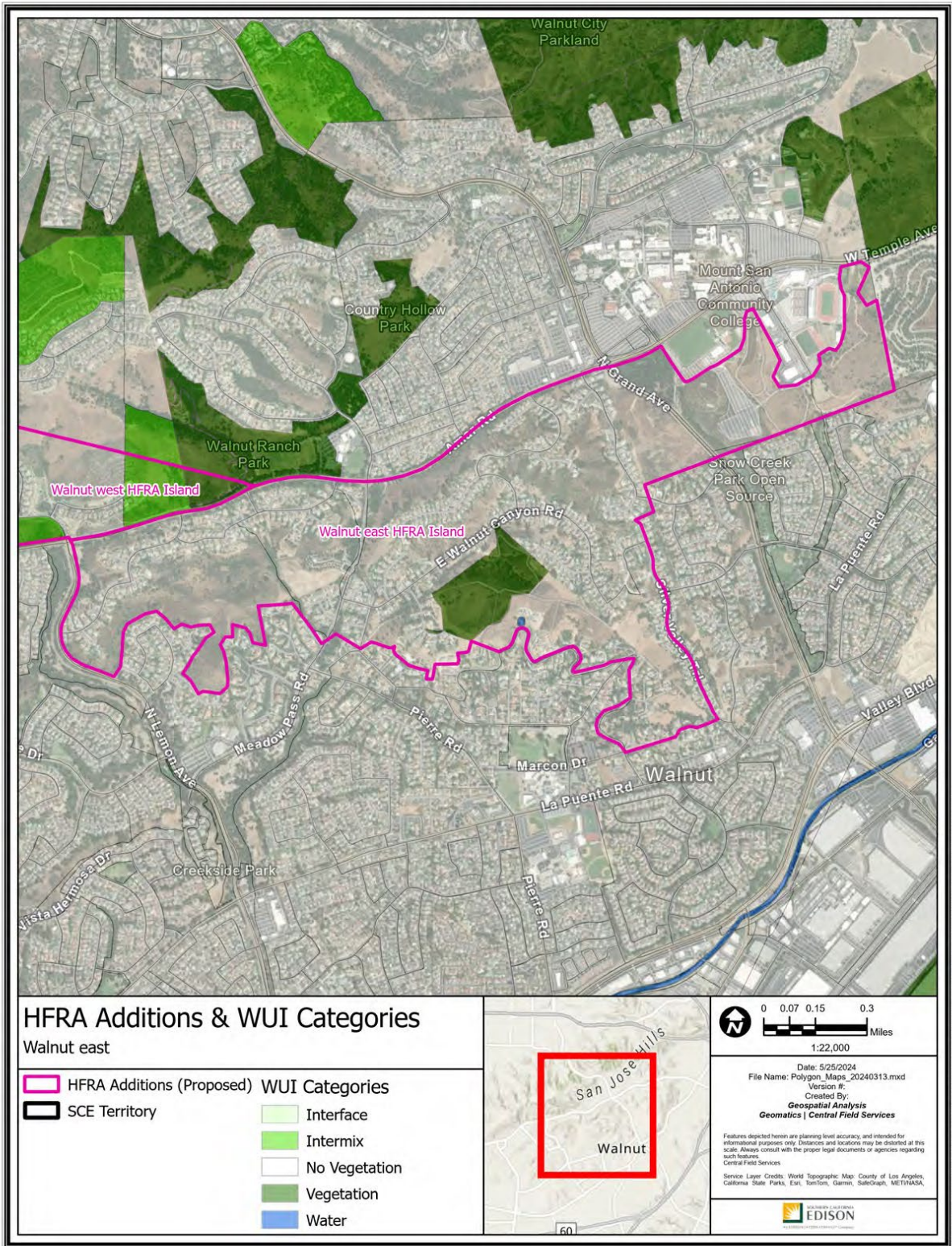
Date: 5/26/2024
File Name: Polygon_Maps_20240313.mxd
Version #:
Created By: **Geospatial Analysis**
Geomatics | Central Field Services

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Central Field Services

Service Layer Credits: World Topographic Map: County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, METRASA,










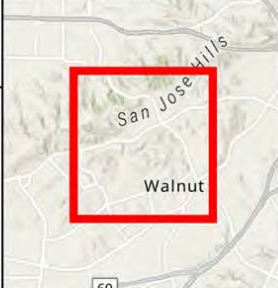
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HFRA Additions & WUI Categories

Walnut east

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |




0 0.07 0.15 0.3 Miles
1:22,000

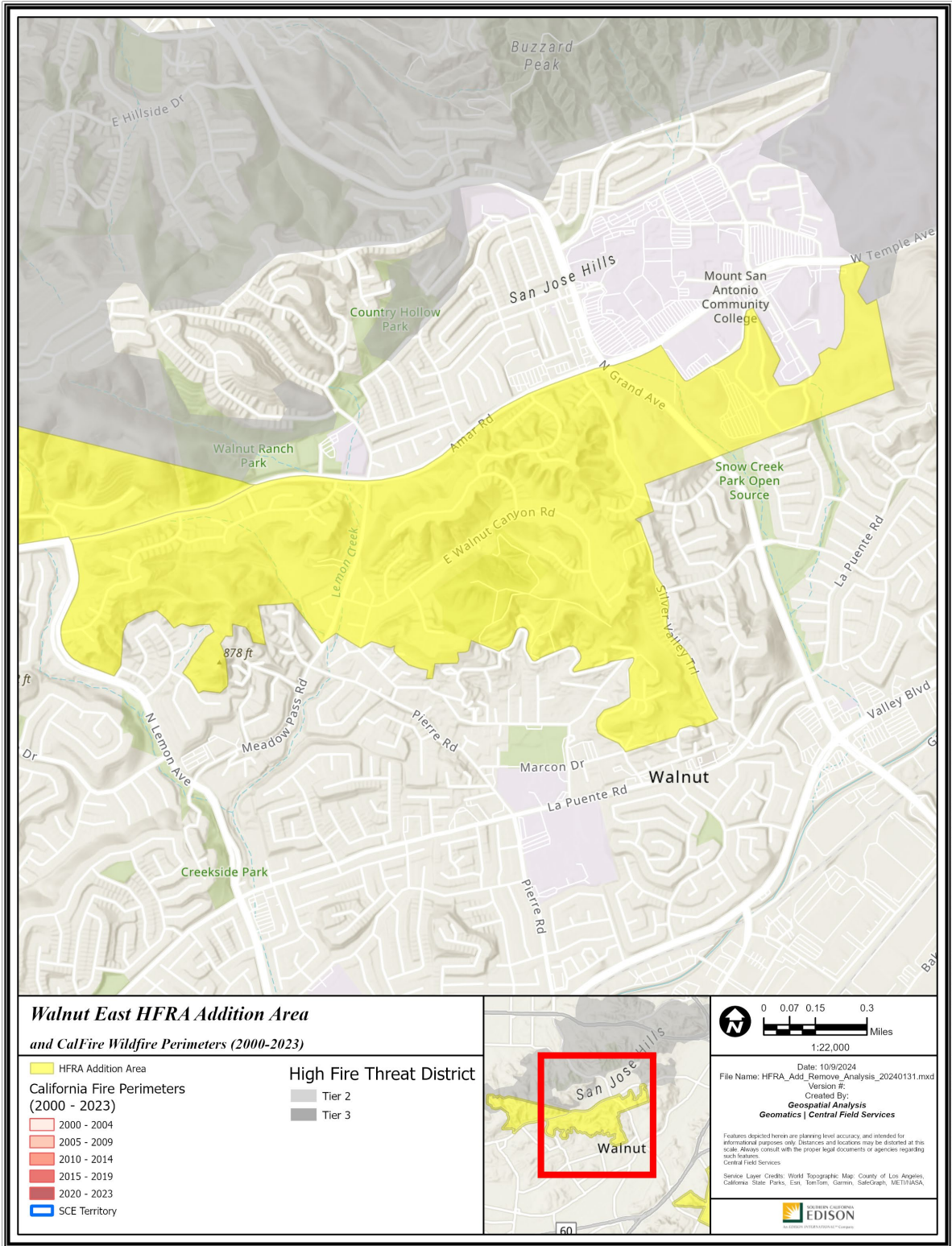
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File Name: Polygon_Maps_20240313.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Service Layer Credits: World Topographic Map: County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, METRASA, Central Field Services



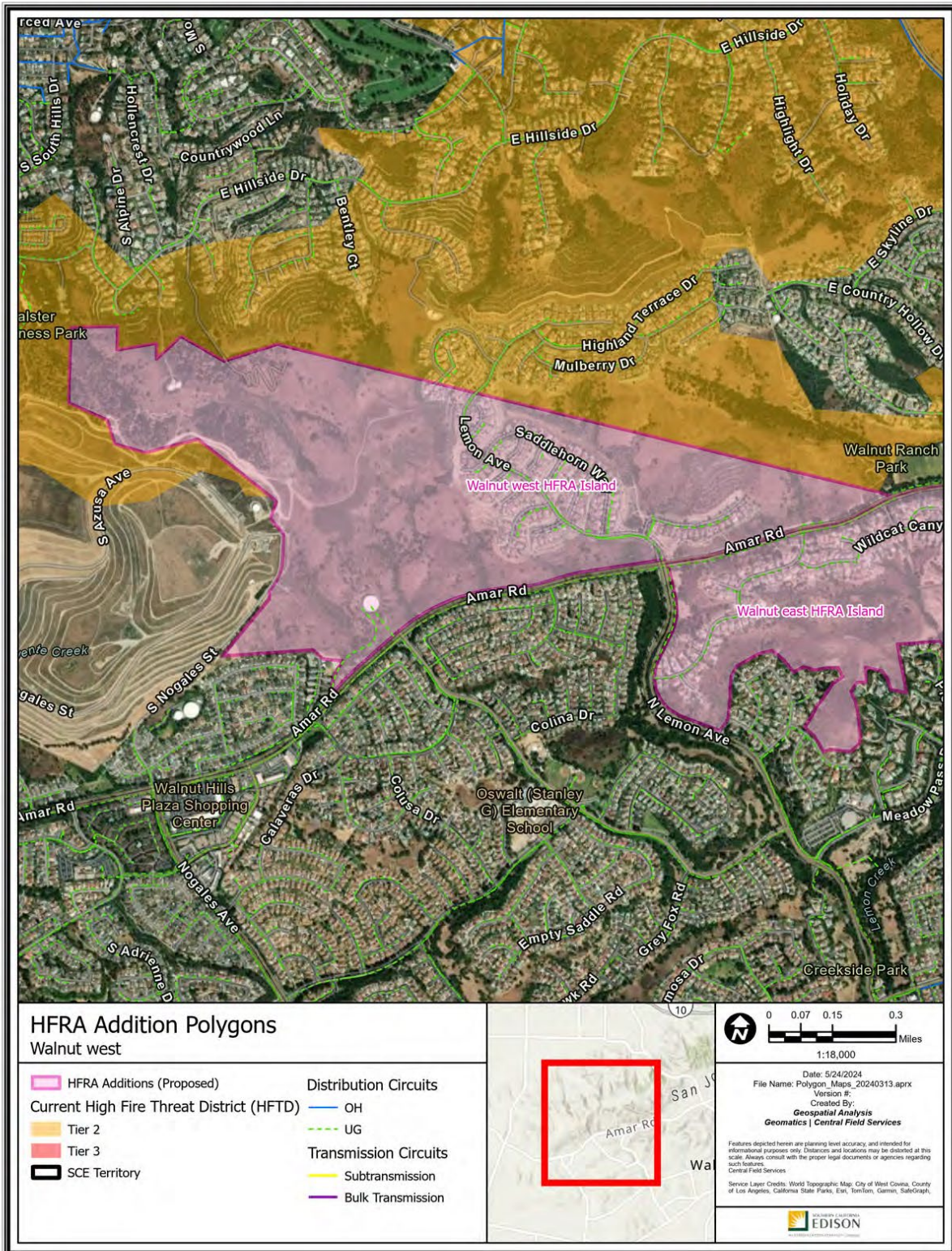
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Path: P:\PROJECTS\Special_Projects\HFRA_Add_Remove_Analysis_20240131\HFRA_Add_Remove_Analysis_20240131.aprx

A4 – Walnut West

Los Angeles County
 -117.884468, 34.038037
 439 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 82.0% | Moderate Load Dry Climate Grass Shrub |
| 5.0% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 3.3% | Major Roads Surrounded by Low Fire Behavior Fuel |
| 2.7% | Low Load Humid Climate Timber Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 62.3% | 0.0% | 6.5% | 31.1% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0 | 3.27 | 0 | 0 | 0 | 3.27 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 129 | 8.67° | 3: Moderate | 25% |

Recommendation:

SCE proposes to include the Walnut West polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into unmaintained and unirrigated moderate load fuels on complex terrain, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
2. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. A maintained and irrigated terraced landfill to the west of this polygon and Amar Road were used as firebreaks to determine the polygon boundary. The boundaries of this polygon were also drawn along the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.

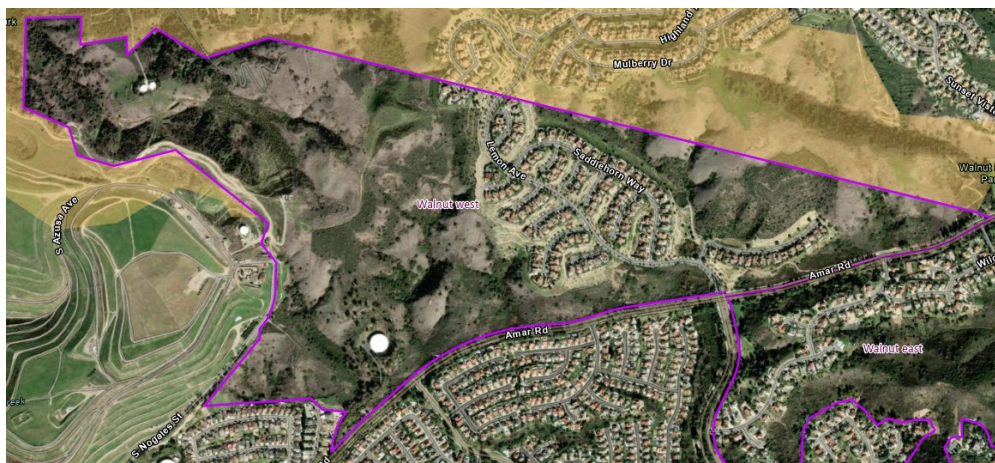
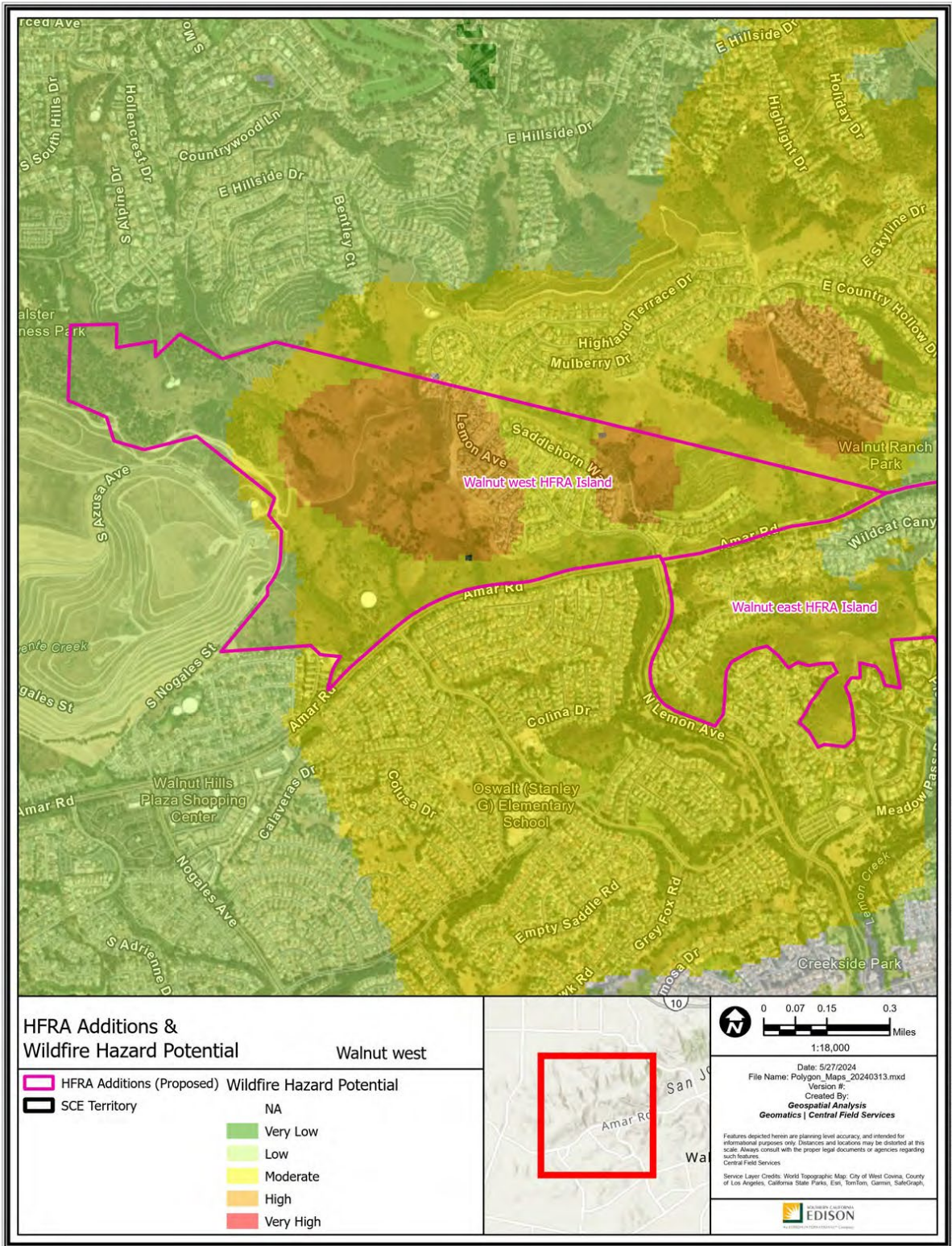
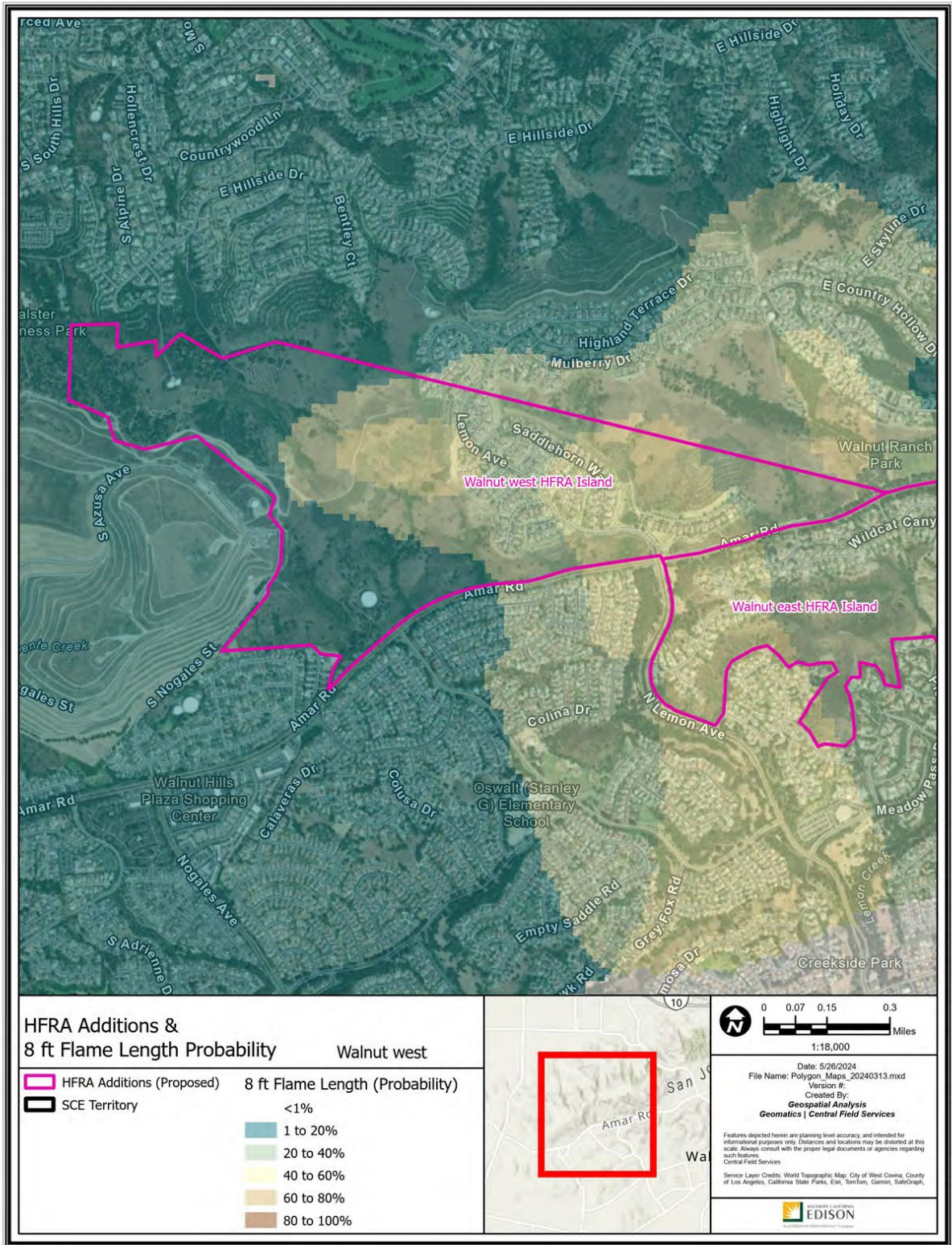
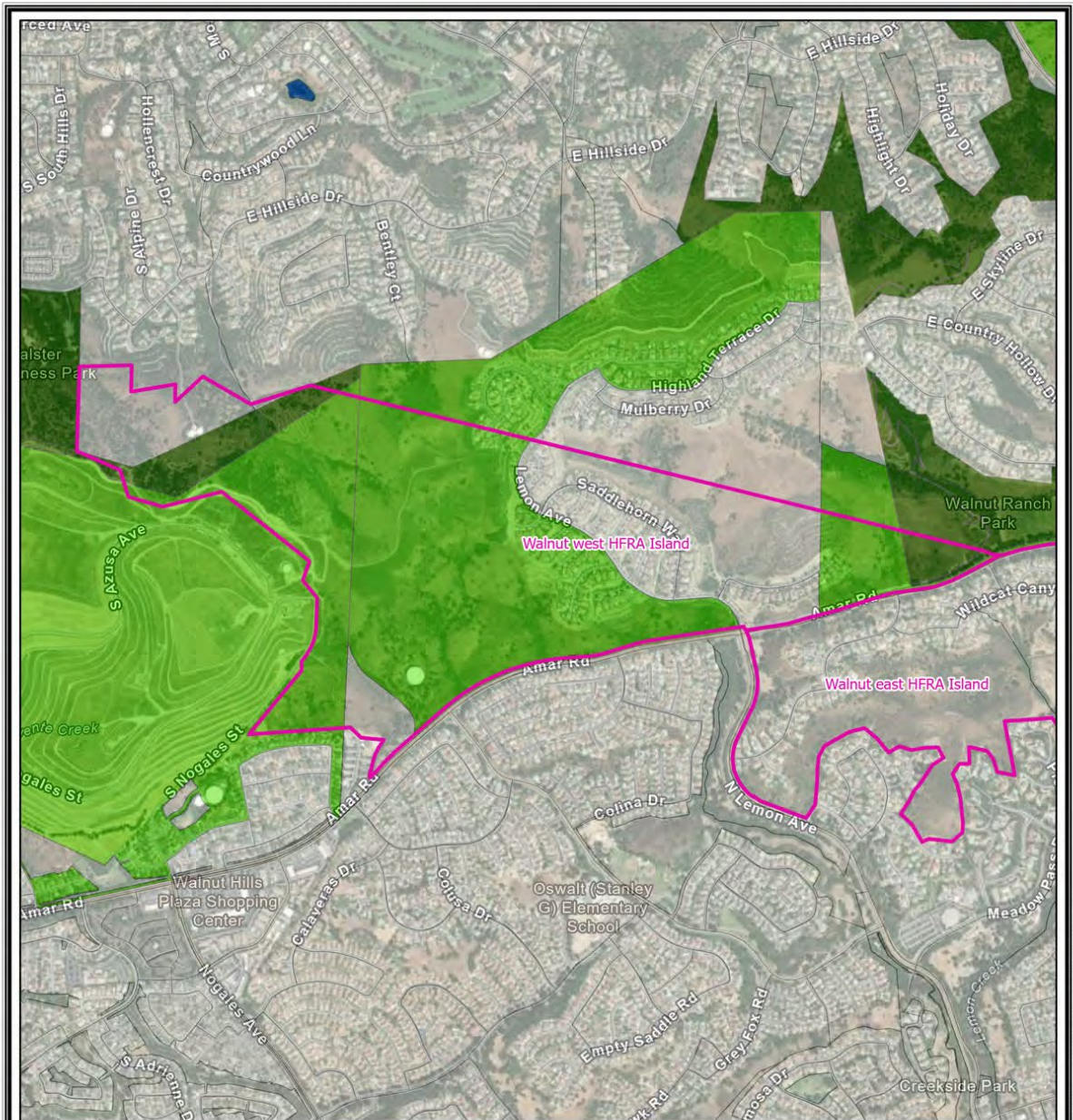


Figure 2 – Walnut West ESRI 1/2024



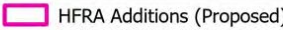
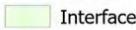
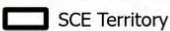
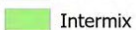
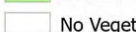
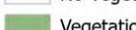



Path: P:\PROJECTS\Special_Productions\HFRA_Revision_Analysis\Polygon_Map_20240313.aprx



HFRA Additions & WUI Categories

Walnut west

| | | | |
|---|---------------------------|---|---------------|
|  | HFRA Additions (Proposed) |  | Interface |
|  | SCE Territory |  | Intermix |
| | |  | No Vegetation |
| | |  | Vegetation |
| | |  | Water |




0 0.07 0.15 0.3 Miles
1:18,000

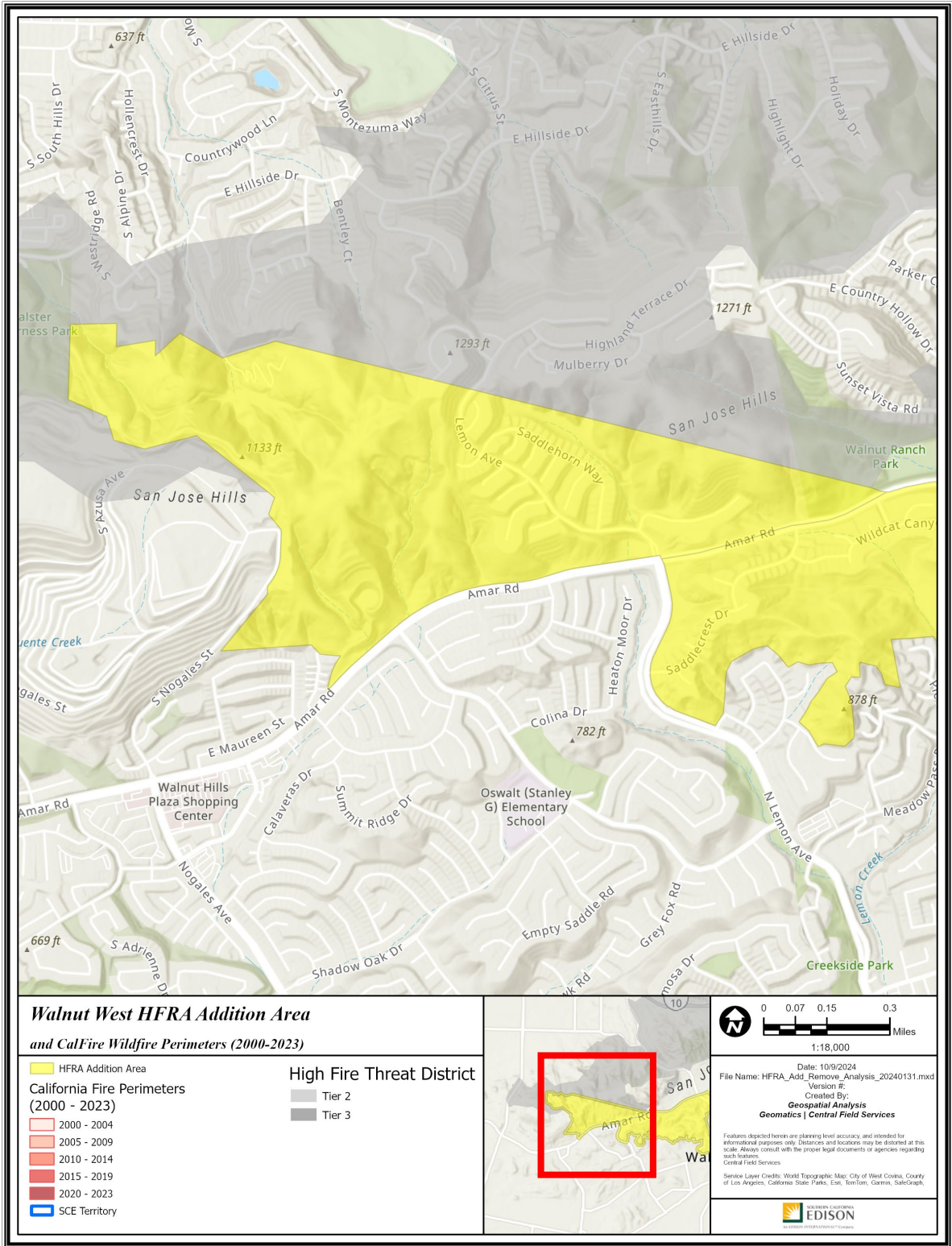
Date: 5/25/2024
File Name: Polygon_Maps_20240313.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Service Layer Credits: World Topographic Map; City of West Covina, County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph,

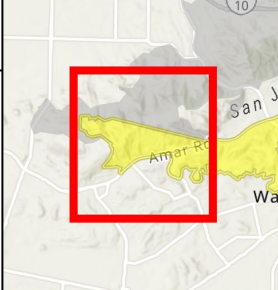


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**Walnut West HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**


- HFRA Addition Area
- California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District
 - Tier 2
 - Tier 3



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Service Layer Credits: World Topographic Map; City of West Covina, County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph,



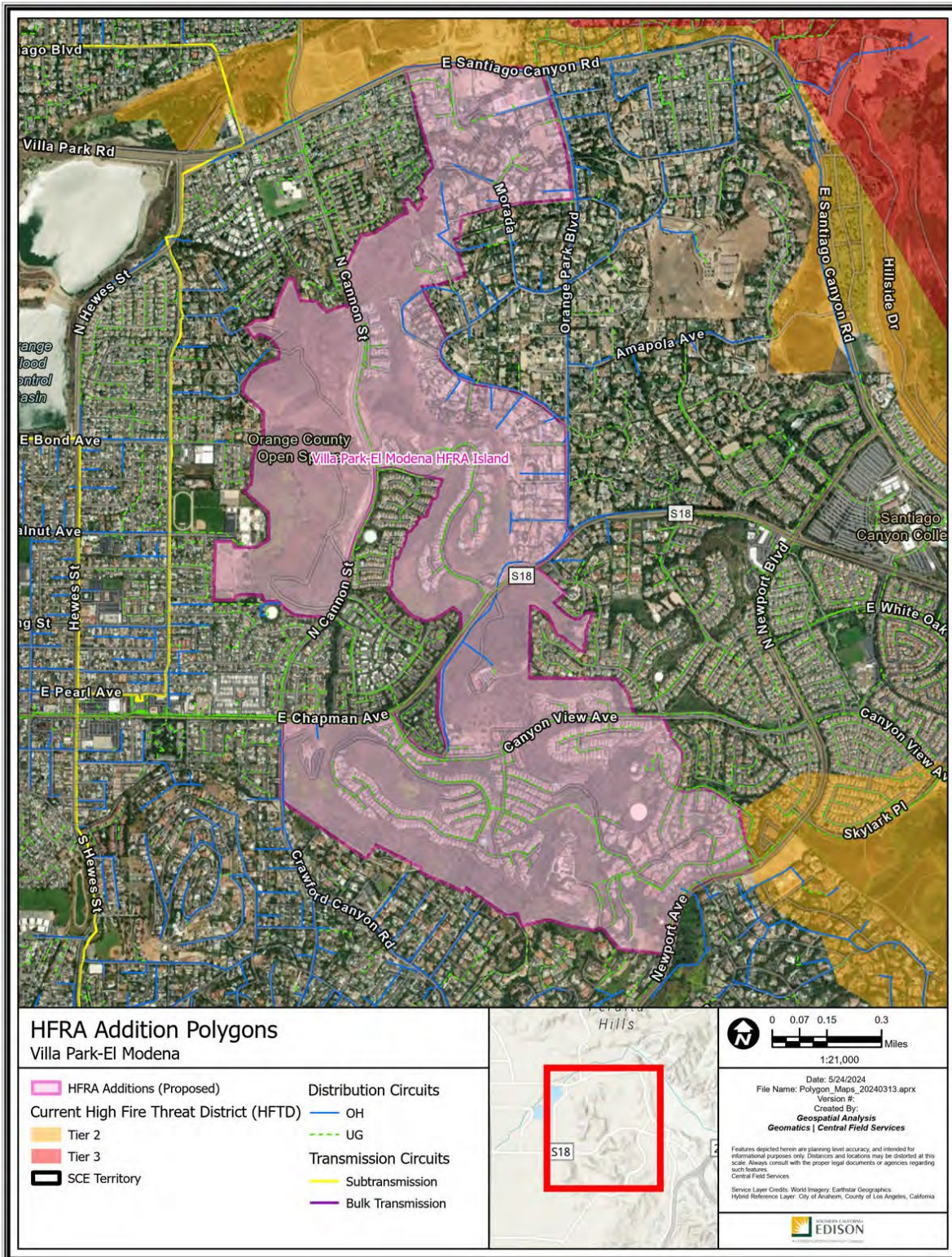
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A5 – Villa Park-El Modena

Orange County

-117.787231, 33.793648

932 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 51.1% | Moderate Load Dry Climate Grass Shrub |
| 15.8% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 11.7% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 3.9% | Low Load Dry Climate Grass Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 63.3% | 7.7% | 29.0% | 0.0% | 100% |

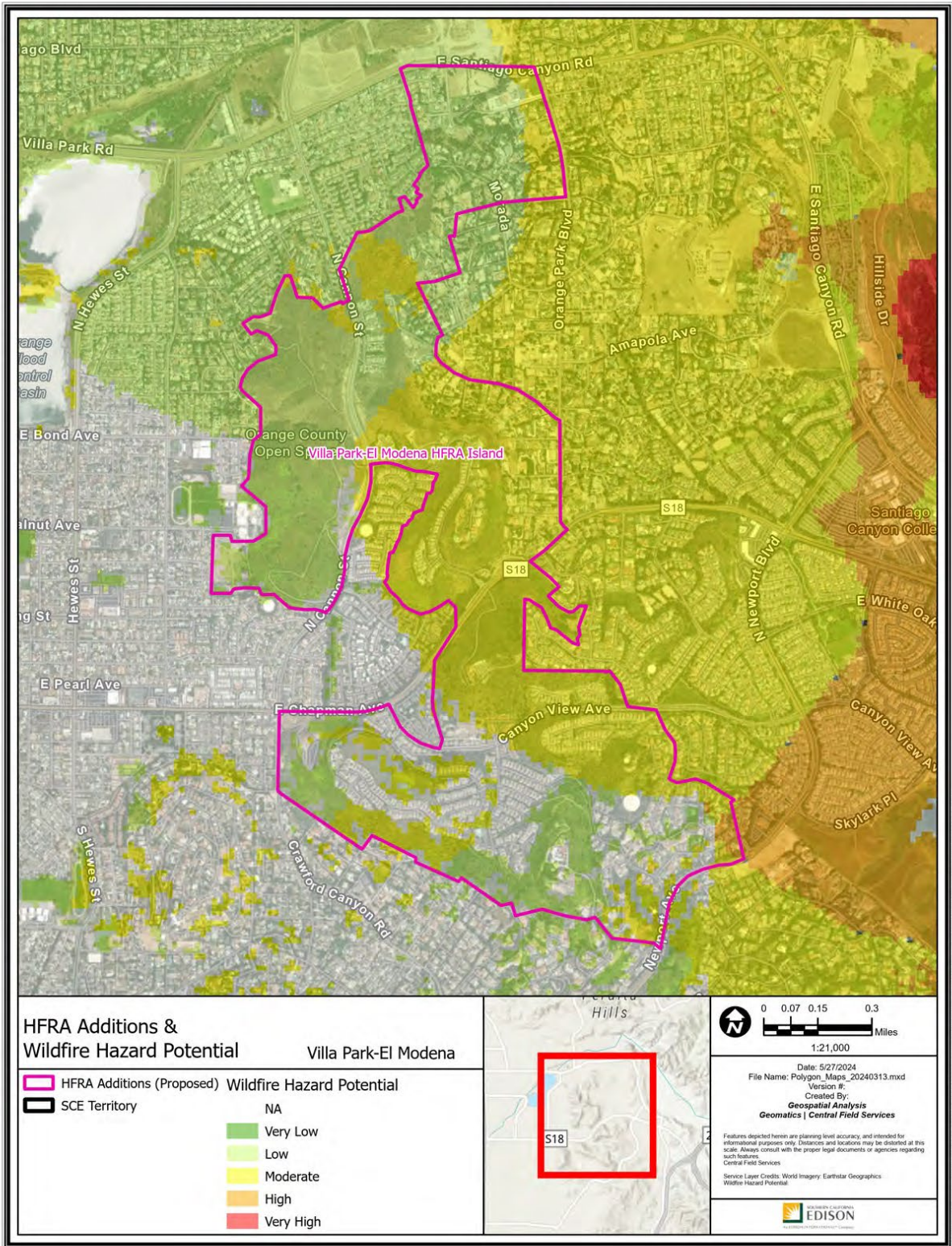
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 3.08 | 16.88 | 0 | 0 | 0 | 19.96 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 927 | 8.36° | 2: Low | 2% |

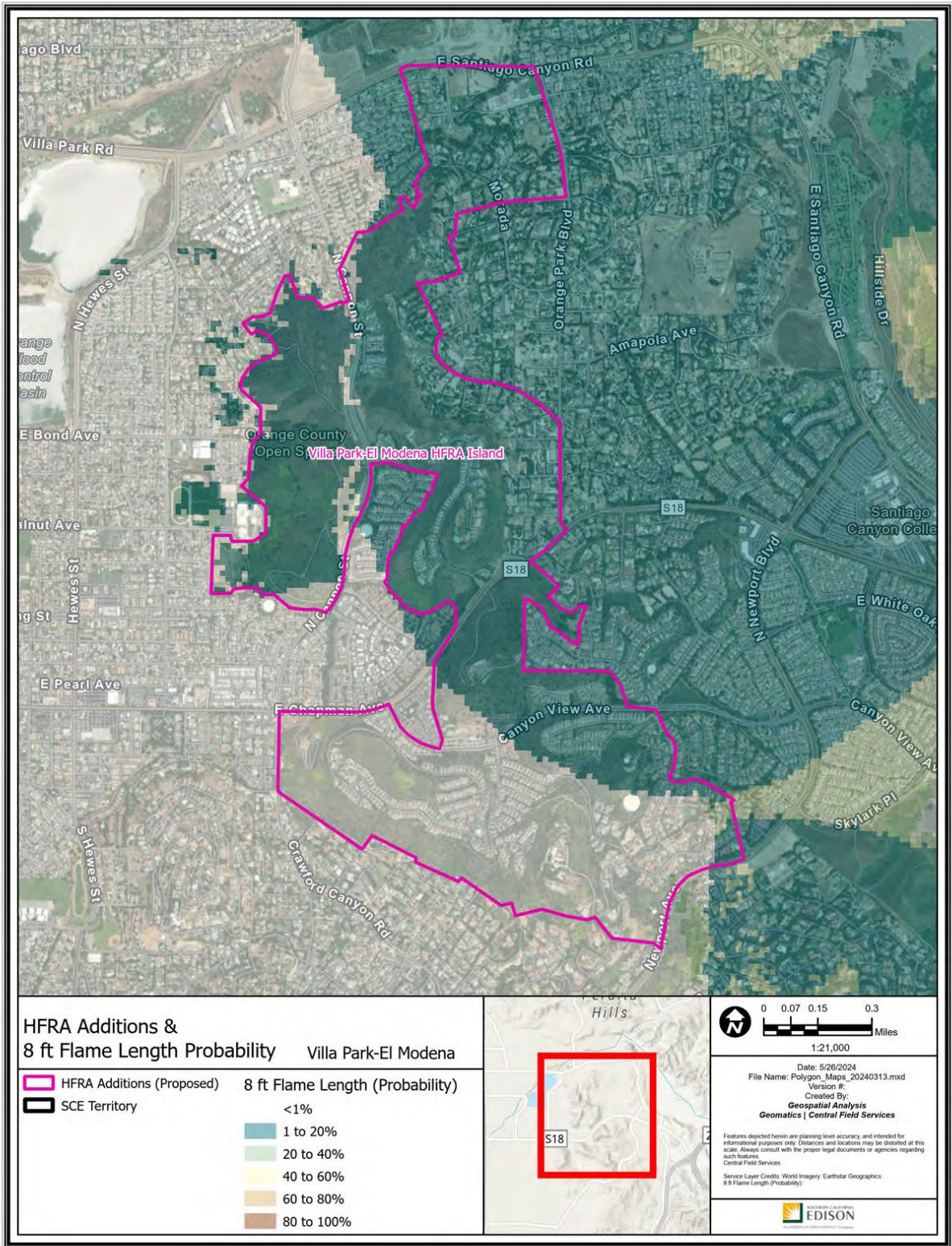
Recommendation:

SCE proposes to include the Villa Park/El Modena polygon as Tier 2 HFTD. This addition would bridge a gap between existing HFTD Tier 2 across unmaintained and unirrigated moderate load fuels on complex terrain, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

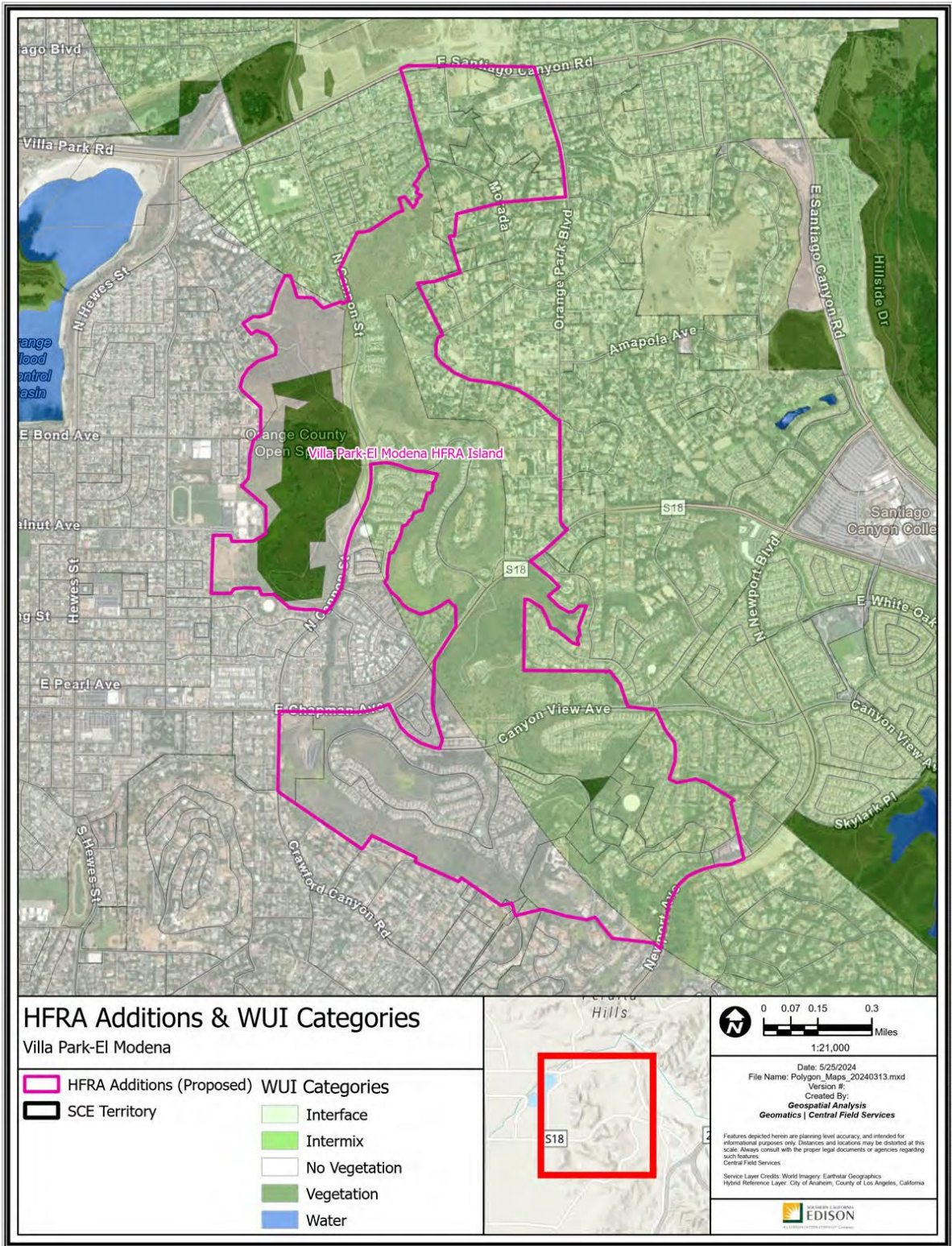
1. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
2. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
3. The boundaries of this polygon are drawn along the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.



Path: P:\PROJECTS\Special_Projects\HFRA_Revision_Analysis\Polygon_Maps_20240313.aprx










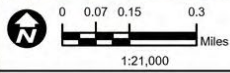
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HFRA Additions & WUI Categories

Villa Park-El Modena

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



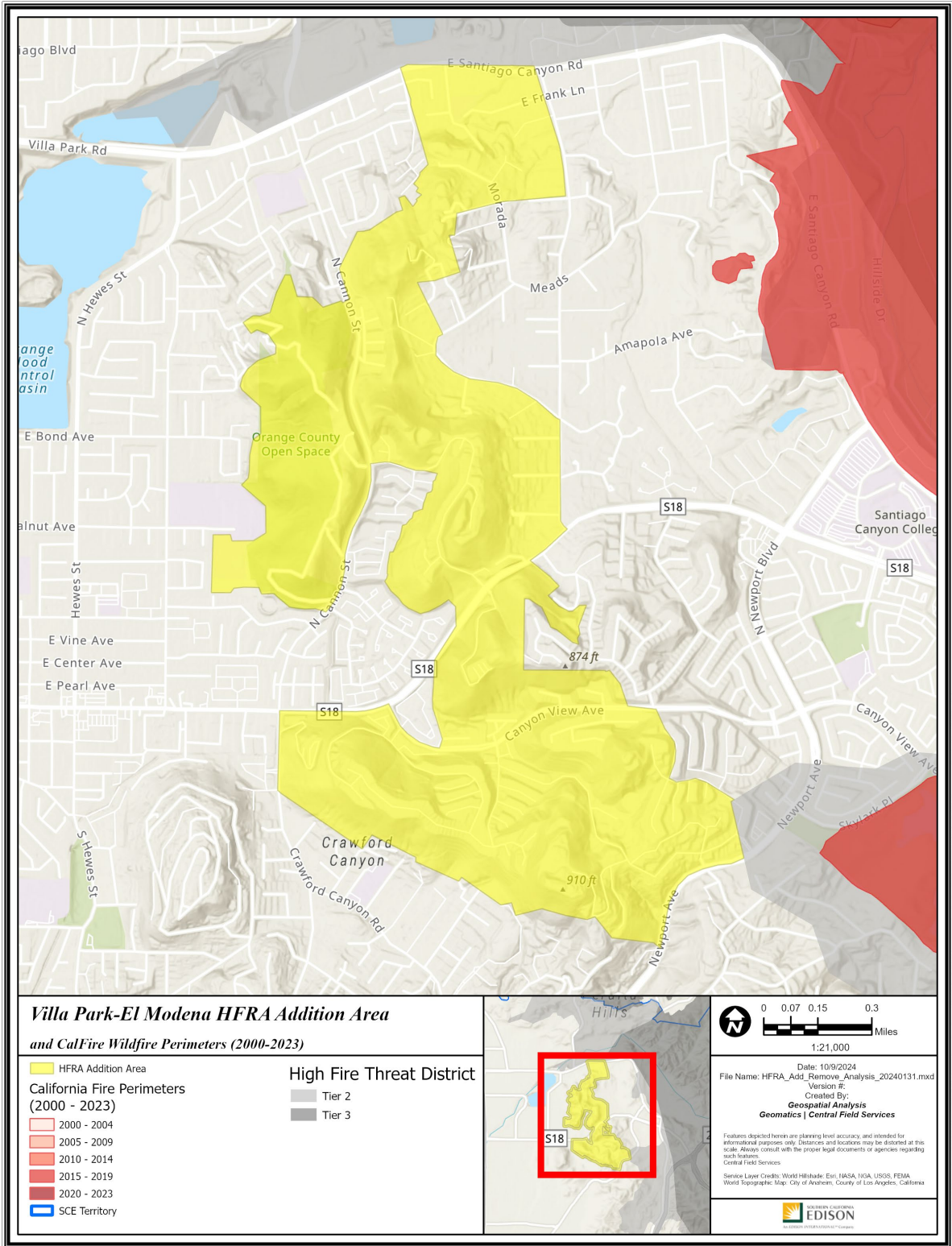
Date: 5/25/2024
 File Name: Polygons_Map_20240313.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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 Central Field Services

Service Layer Credits: World Imagery: Earthstar Geographics
 Hybrid Reference Layer: City of Anaheim, County of Los Angeles, California

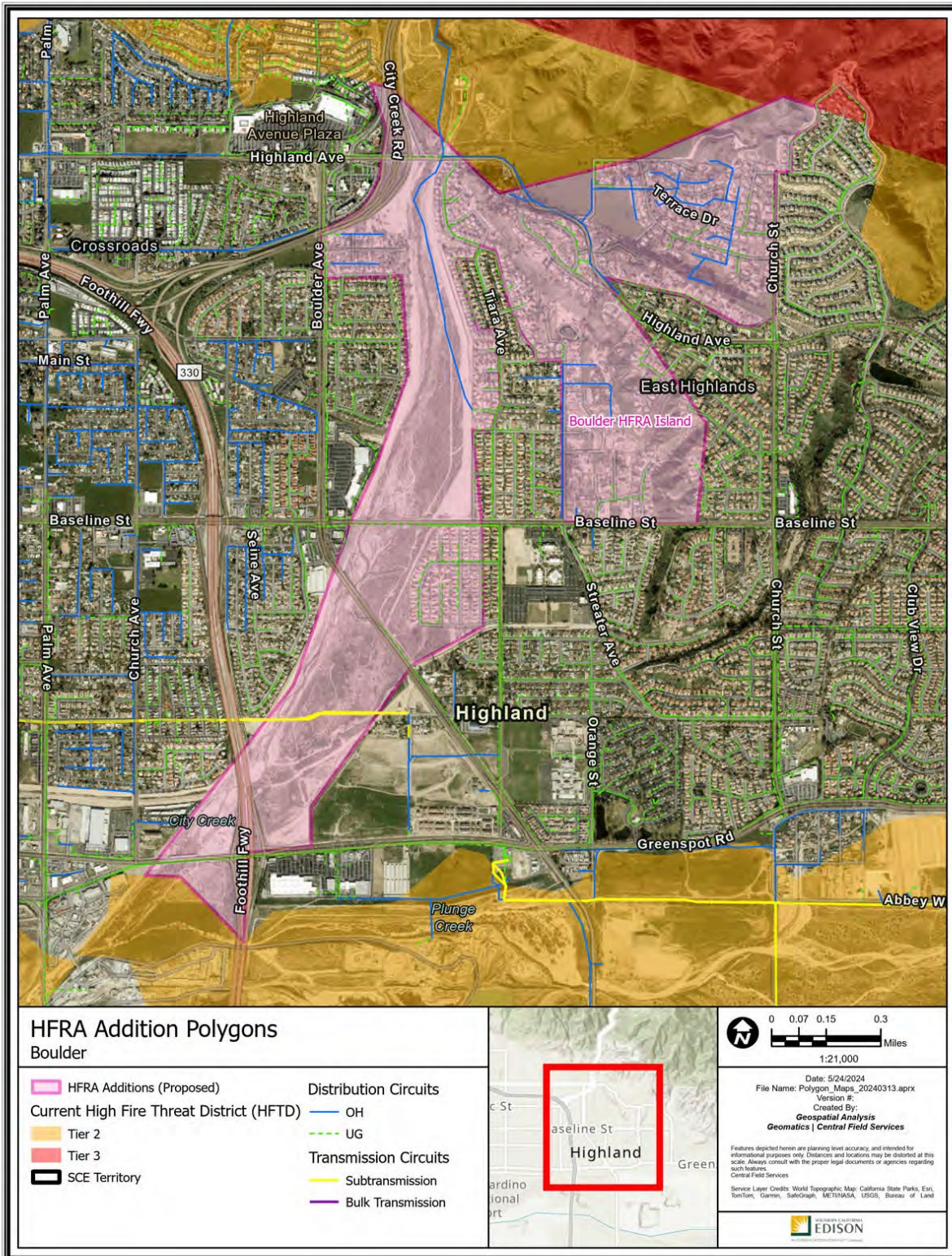


Path: P:\PROJECTS\Spatial_Projects\HFRA_Revision_Analysis\Polygons_Map_20240313.aprx



A6 – Boulder

San Bernardino County
 -117.187143, 34.125329
 780 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 46.6% | Moderate Load Dry Climate Grass Shrub |
| 14.0% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 11.9% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 8.6% | Low Load Dry Climate Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 71.7% | 8.4% | 14.4% | 5.6% | 100% |

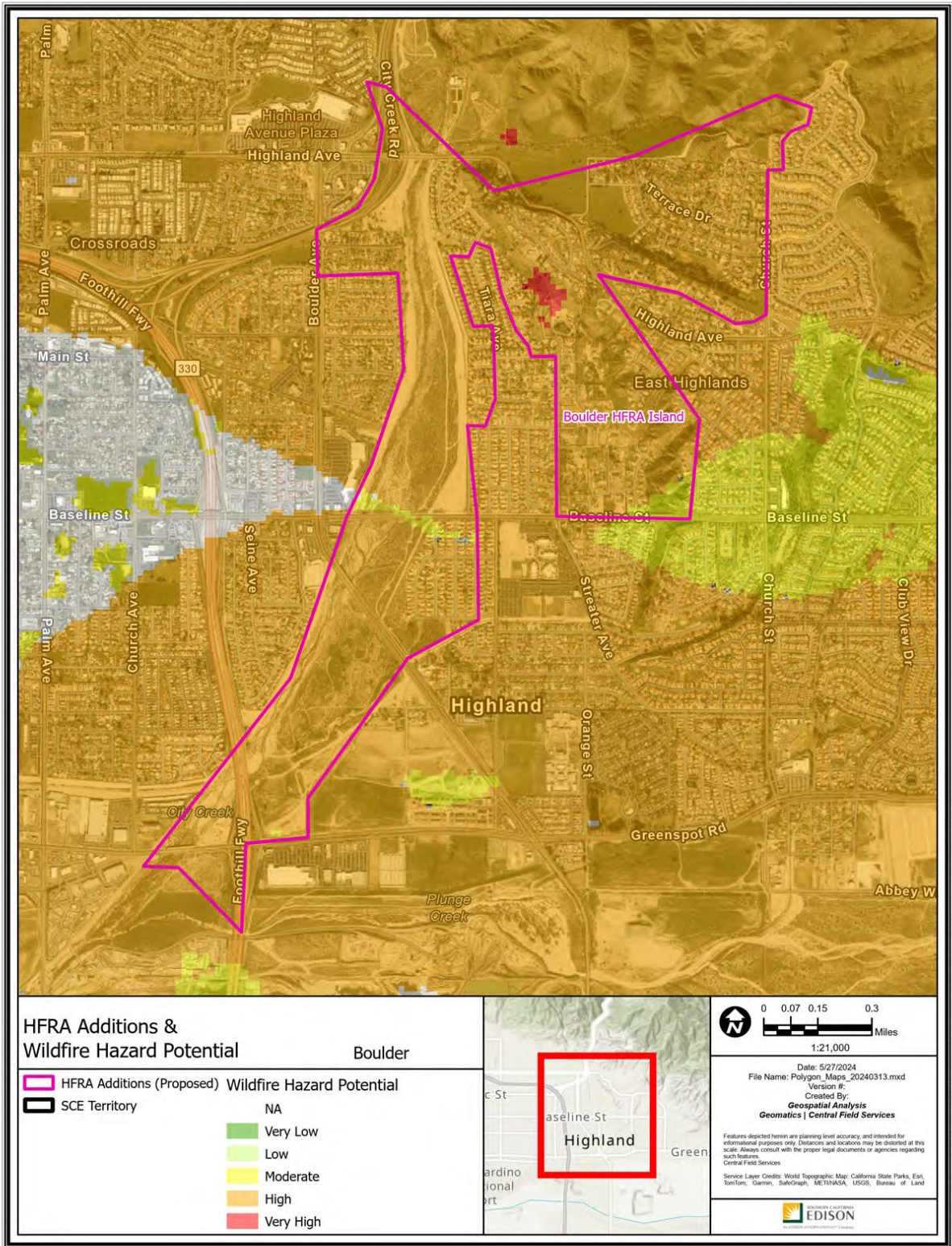
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 4.33 | 9.36 | 0.62 | 0 | 0 | 14.31 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 720 | 3.78° | 4: High | 12% |

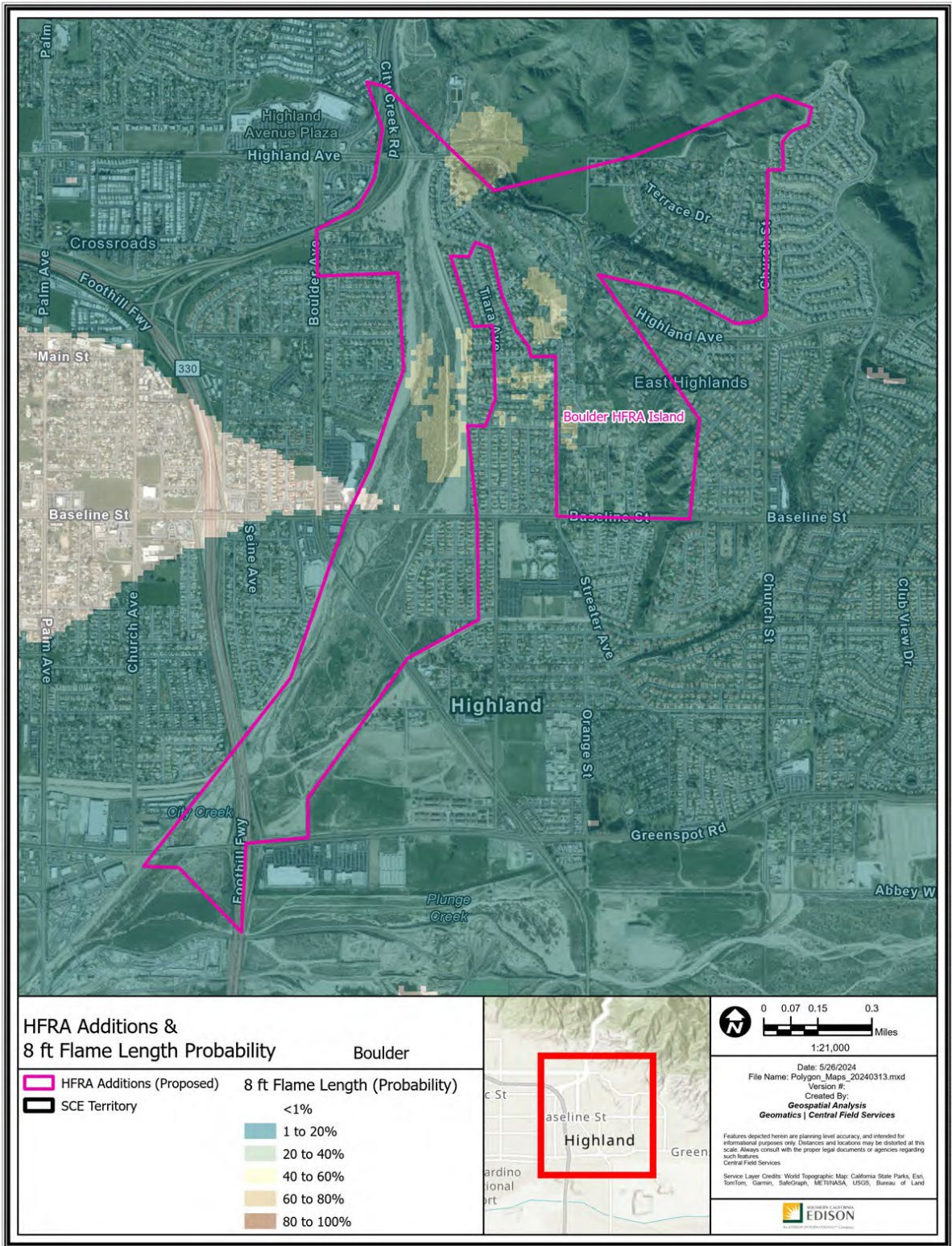
Recommendation:

SCE proposes to include the Boulder polygon as Tier 2 HFTD. This would connect existing Tier 2 HFTD areas along a watershed containing vegetation and terrain, and it would designate the polygon consistent with adjacent Tier 2 HFTD to the north and south. This recommendation is also supported by the following facts:

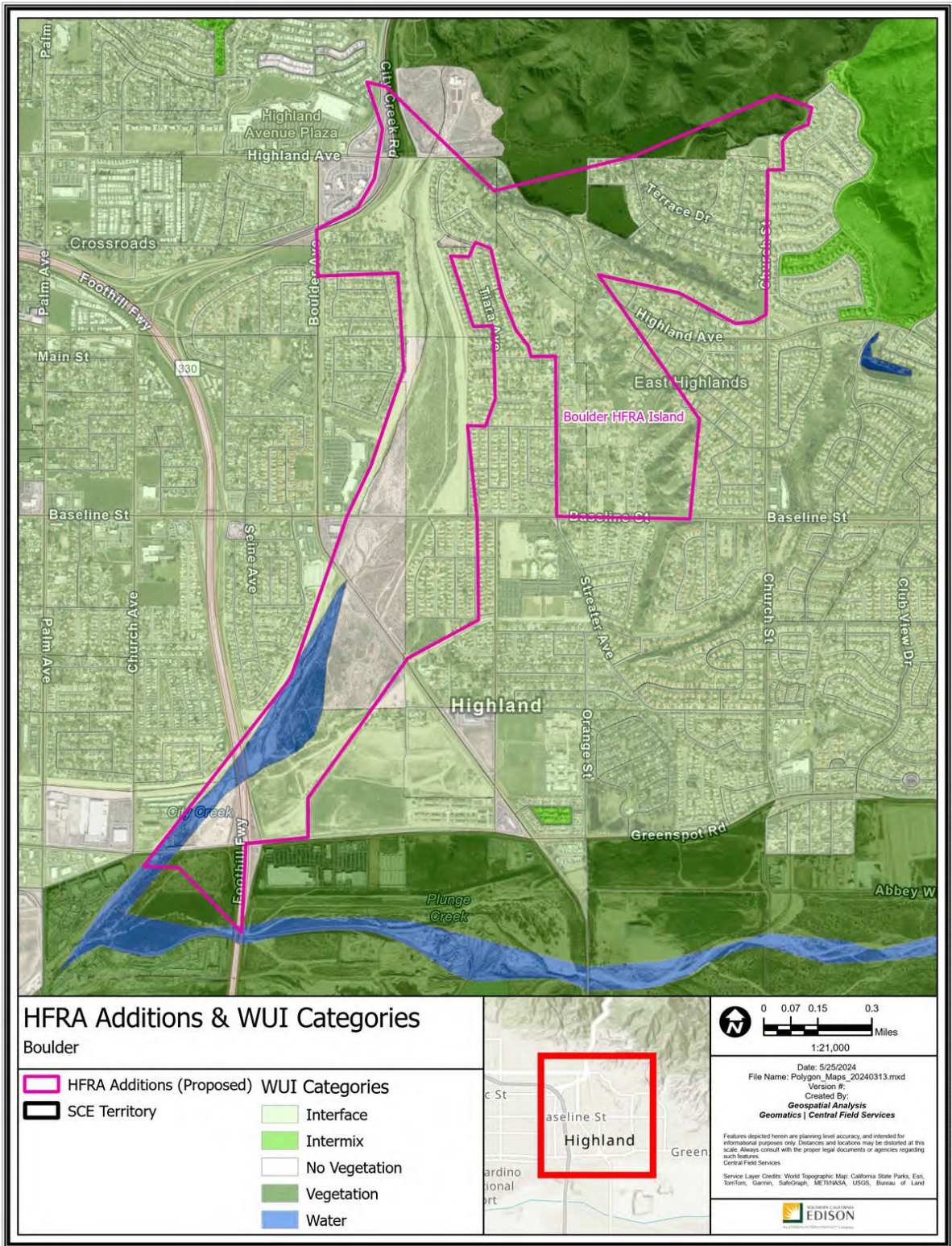
1. Land use and fuels in this polygon match the characteristics of the Wildland-Urban Interface.
2. A fire in this polygon could spread to neighboring Tier 3 HFTD.
3. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
4. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
5. The polygon has a high ratio of population to roadways, creating potential egress risks.
6. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
7. Boundaries of the polygon are drawn along roadways such as Baseline Street and terrain to include at-risk residential lots.

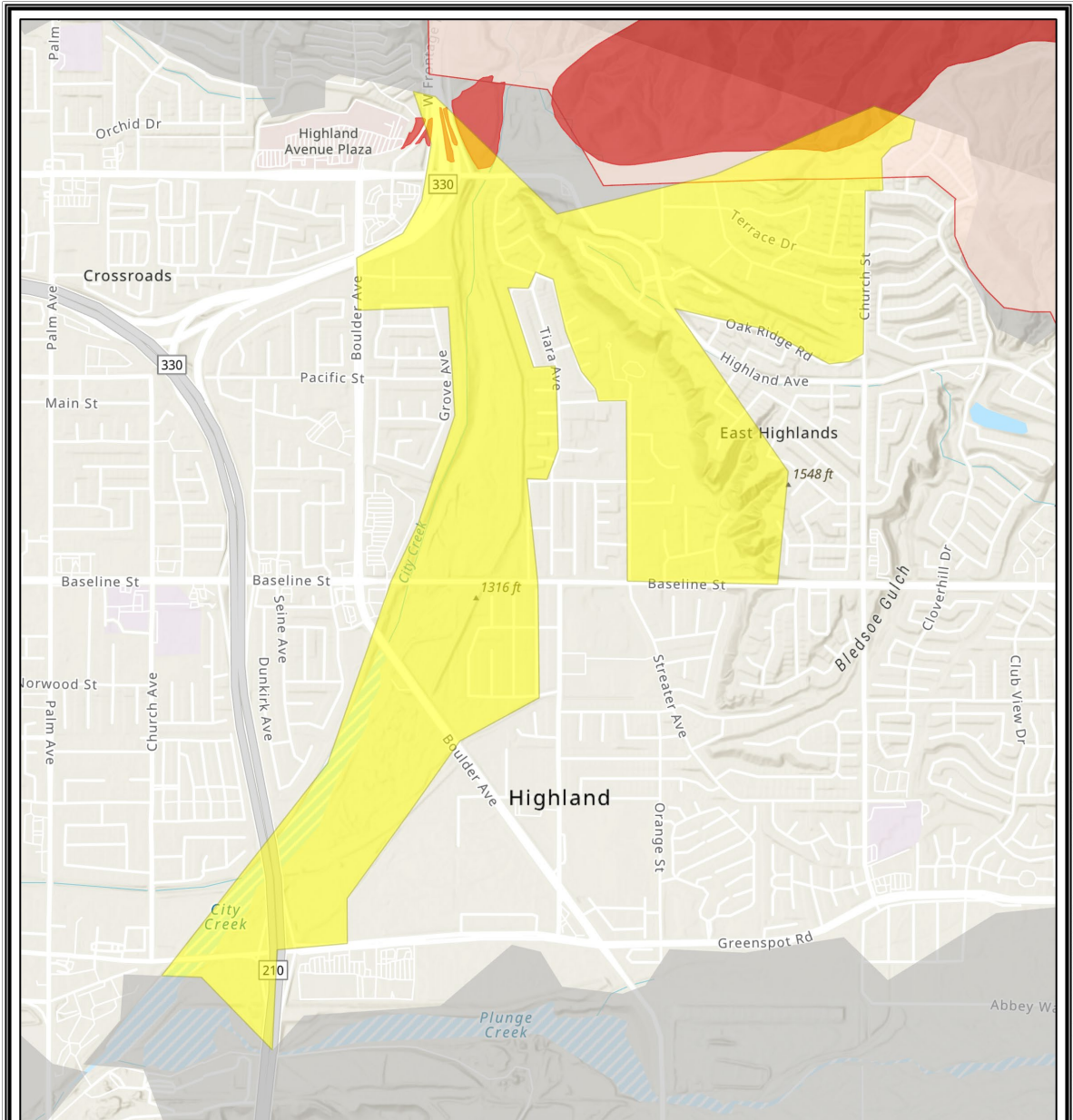


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**Boulder HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**


- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
- Tier 2
 - Tier 3



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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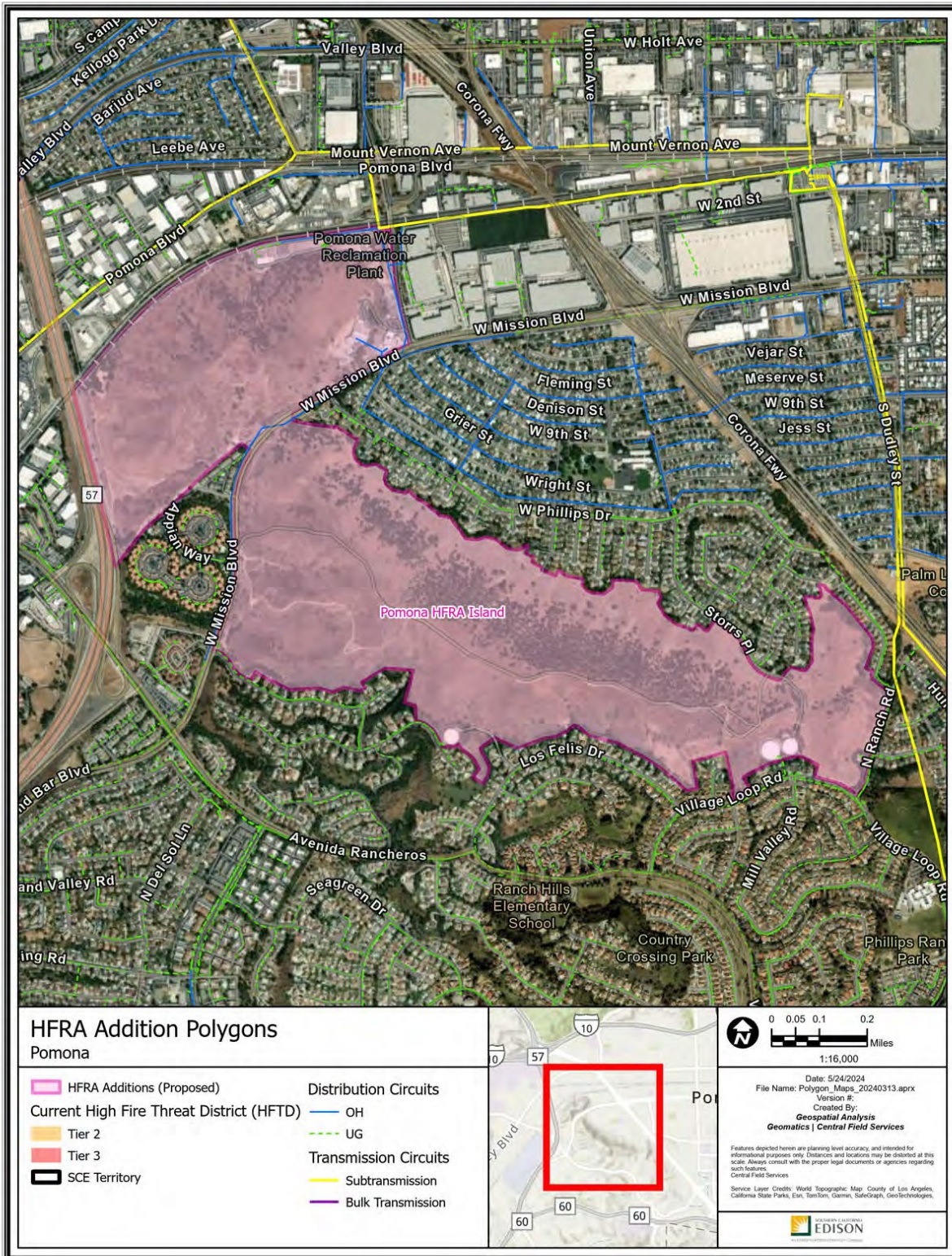
Service Layer Credits: World Topographic Map, California State Parks, Esri, TomTom, Garmin, SateGraph, METRASA, USGS, Bureau of Land



Path: P:\PROJECTS\Special_Projects\HFRA_Add_Remove_Analysis_20240131\HFRA_Add_Remove_Analysis_20240131.aprx

A7 – Pomona

Los Angeles County
 -117.789145, 34.046333
 494 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 66.3% | Moderate Load Dry Climate Grass Shrub |
| 13.9% | Low Load Humid Climate Timber Shrub |
| 8.8% | Low Load Dry Climate Grass |
| 1.8% | Major Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 99.7% | 0.0% | 0.0% | 0.0% | 0.3% | 100% |

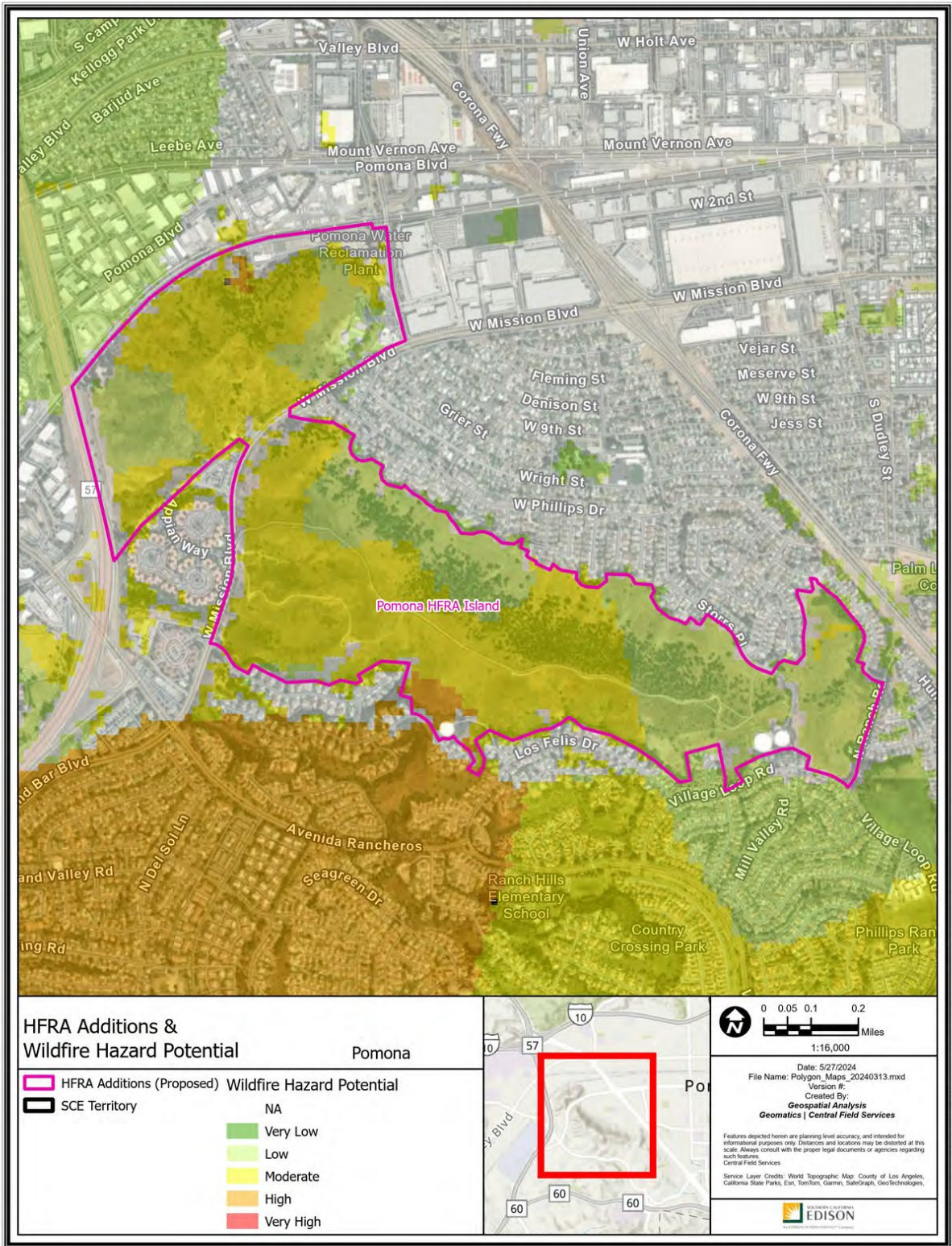
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.79 | 0.39 | 0 | 0 | 0 | 1.18 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 10 | 11.65° | 2: Low | 23% |

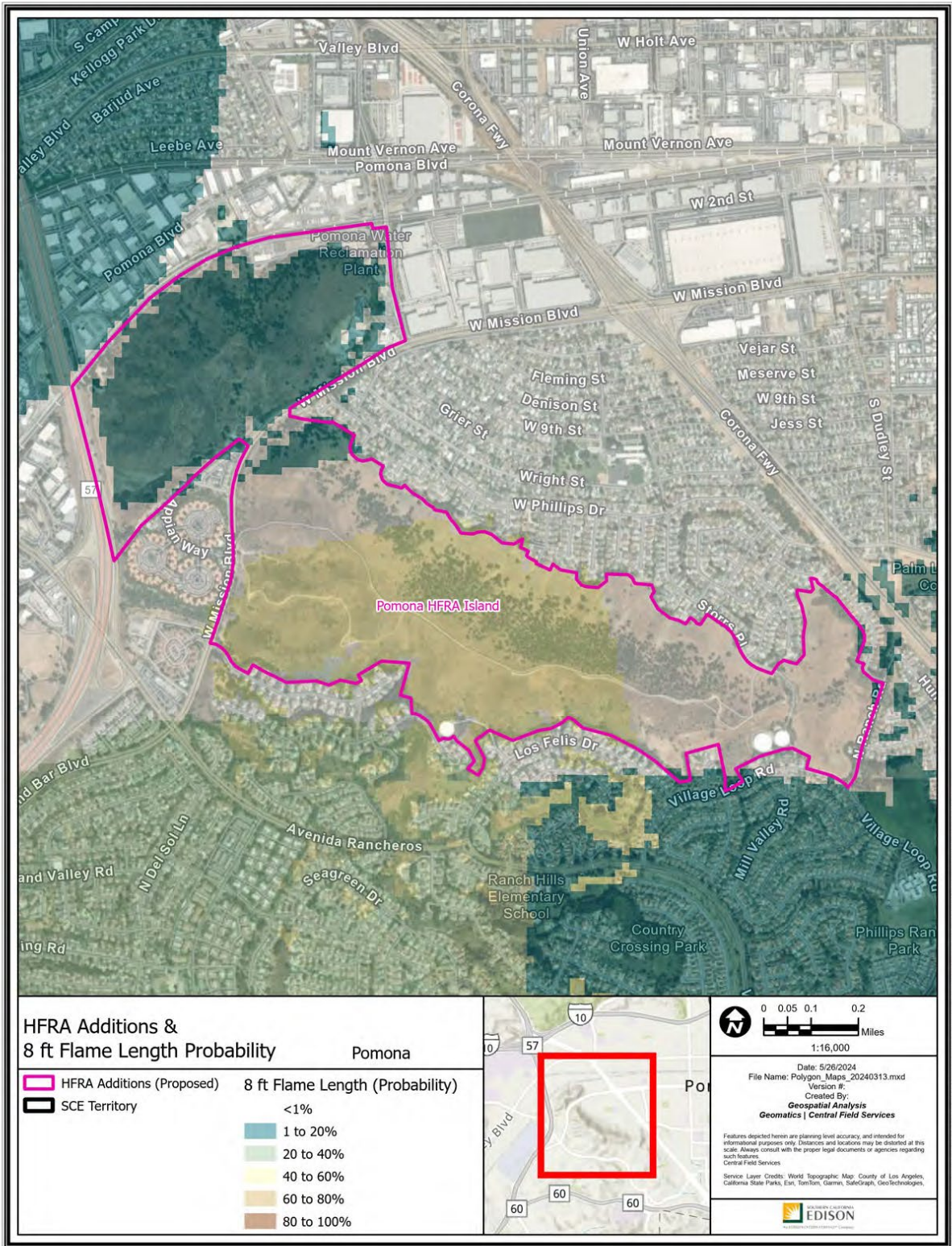
Recommendation:

SCE proposes to include the Pomona polygon as Tier 2 HFTD. This recommendation is supported by the following facts:

1. The polygon features unmaintained and unirrigated moderate load fuels surrounded by urban neighborhoods.
2. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. The boundaries of this polygon are drawn along the foot or crests of slopes, which coincide with some major roads, to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.



Path: P:\PROJECTS\Special_Productions\Projects\HFRA_Revision_Analysis\Polygon_Maps_20240313.aprx



HFRA Additions & 8 ft Flame Length Probability

| | |
|---------------------------|--|
| HFRA Additions (Proposed) | 8 ft Flame Length (Probability) |
| SCE Territory | <1% |
| | 1 to 20% |
| | 20 to 40% |
| | 40 to 60% |
| | 60 to 80% |
| | 80 to 100% |



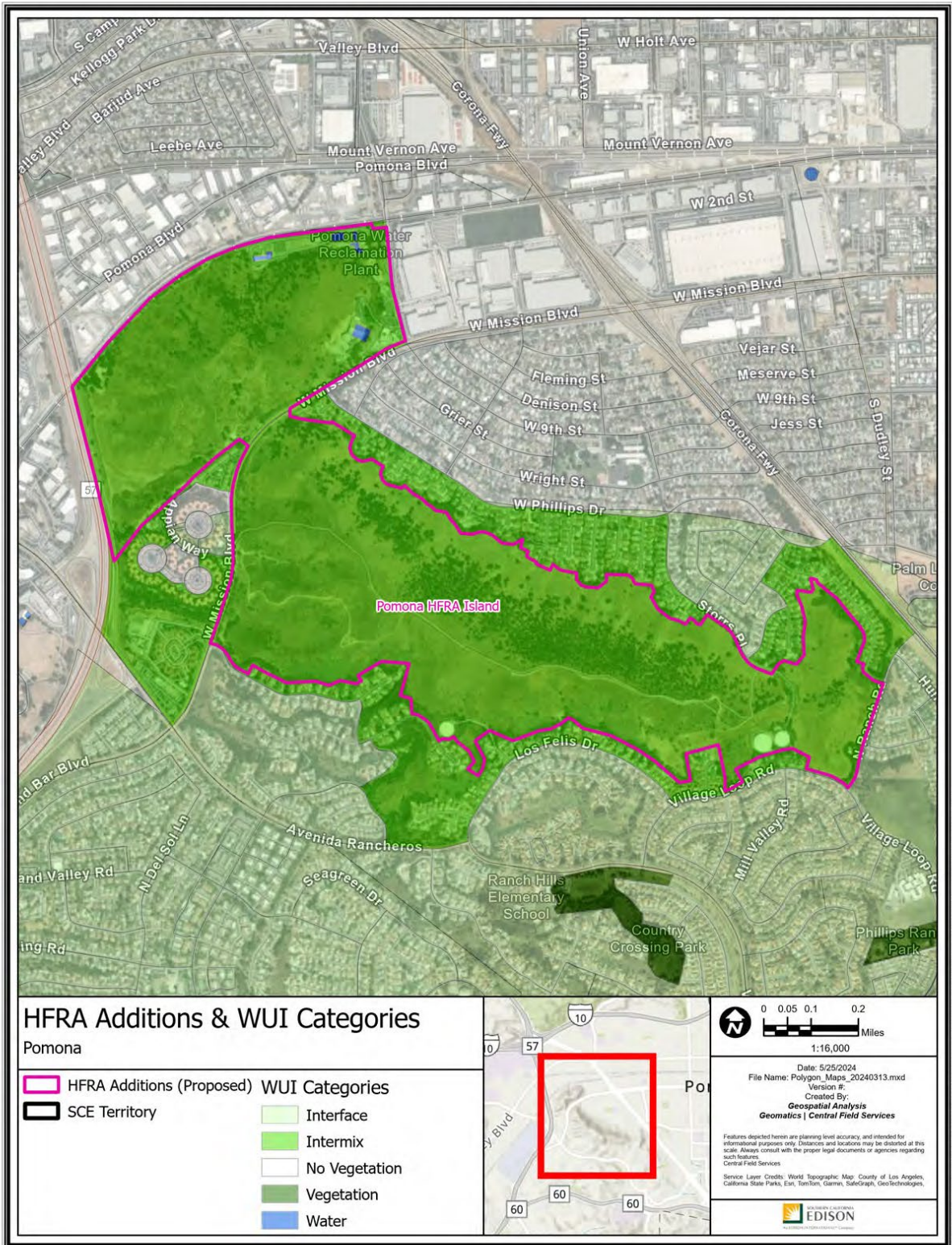
0 0.05 0.1 0.2 Miles
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Date: 5/26/2024
File Name: Polygon_Map_20240313.mxd
Version #:
Created By: **Geospatial Analysis**
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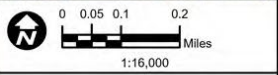
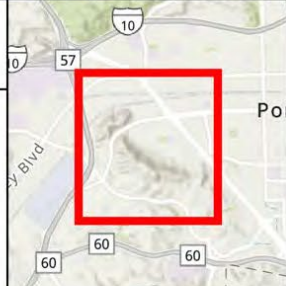
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HFRA Additions & WUI Categories

Pomona

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  Vegetation |
| |  Water |
| |  No Vegetation |



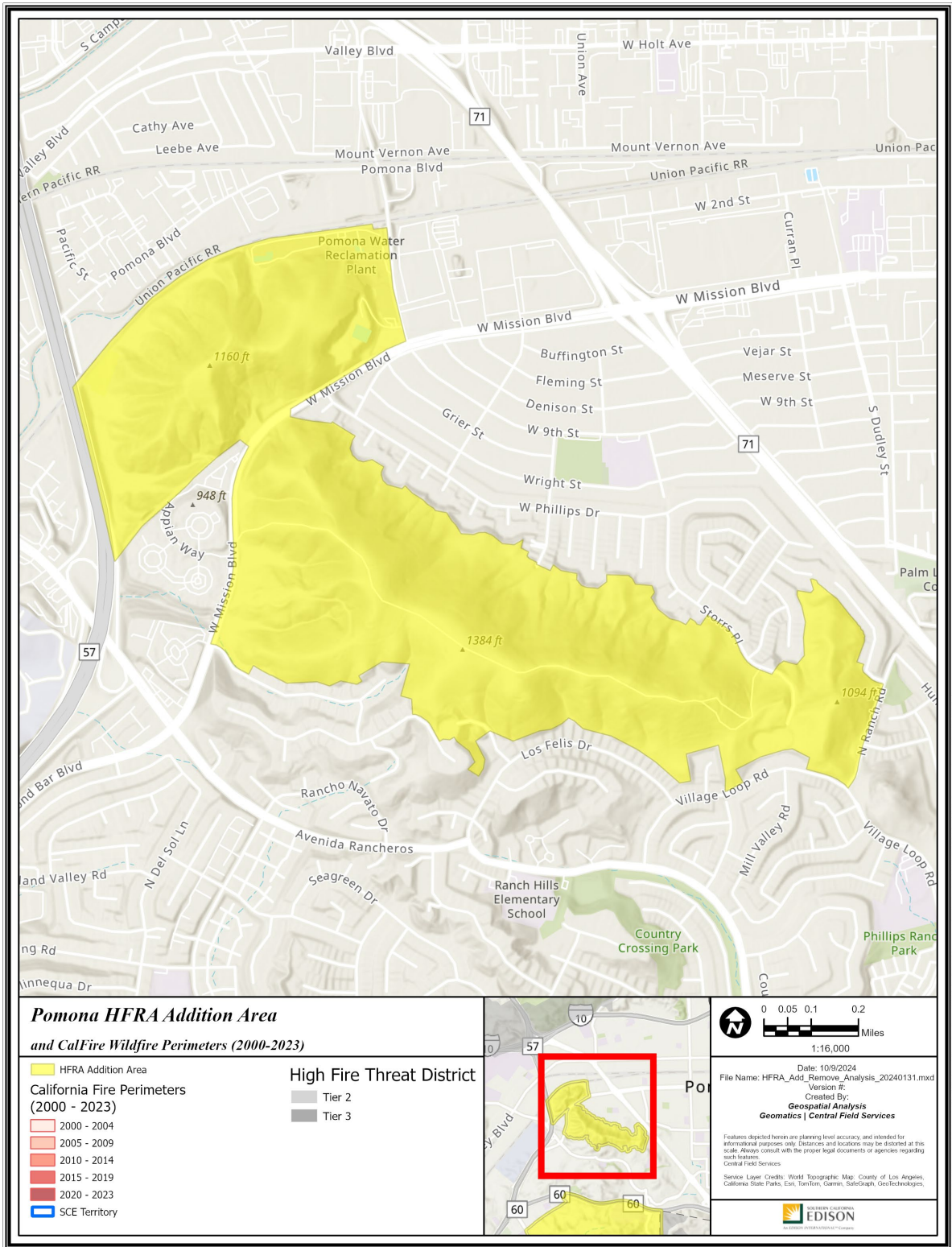
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Geospatial Analysis
Geomatics | Central Field Services

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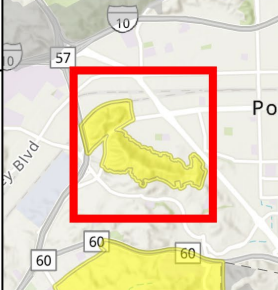


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**Pomona HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
- Tier 2
 - Tier 3



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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EDISON
ANALYTICS

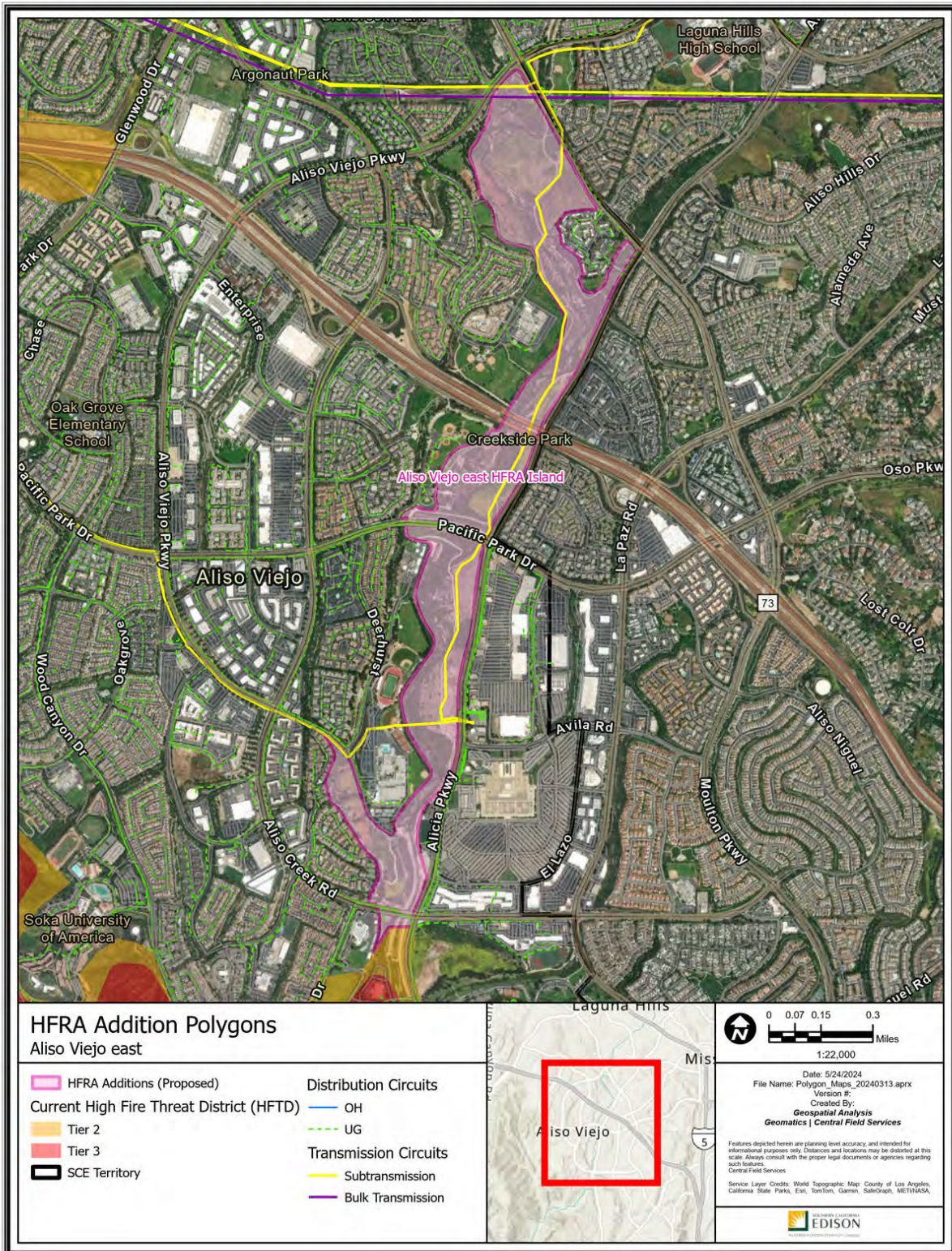
Path: P:\PROJECTS\Special_Progects\HFRA_Add_Remove_Analysis_20240131\FRA_AGE_Remove_Analysis_20240131.aprx

A8 – Aliso Viejo East

Orange County

-117.71484, 33.574001

260 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---------------------------------------|
| 46.4% | Moderate Load Dry Climate Grass Shrub |
| 16.4% | Timber Litter |
| 9.6% | Low Load Dry Climate Grass |
| 8.8% | Low Load Humid Climate Timber Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 1.2% | 83.5% | 15.3% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 1.74 | 2.32 | 2.15 | 0.1 | 0.24 | 6.55 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 45 | 3.14° | 1: Very Low | 1% |

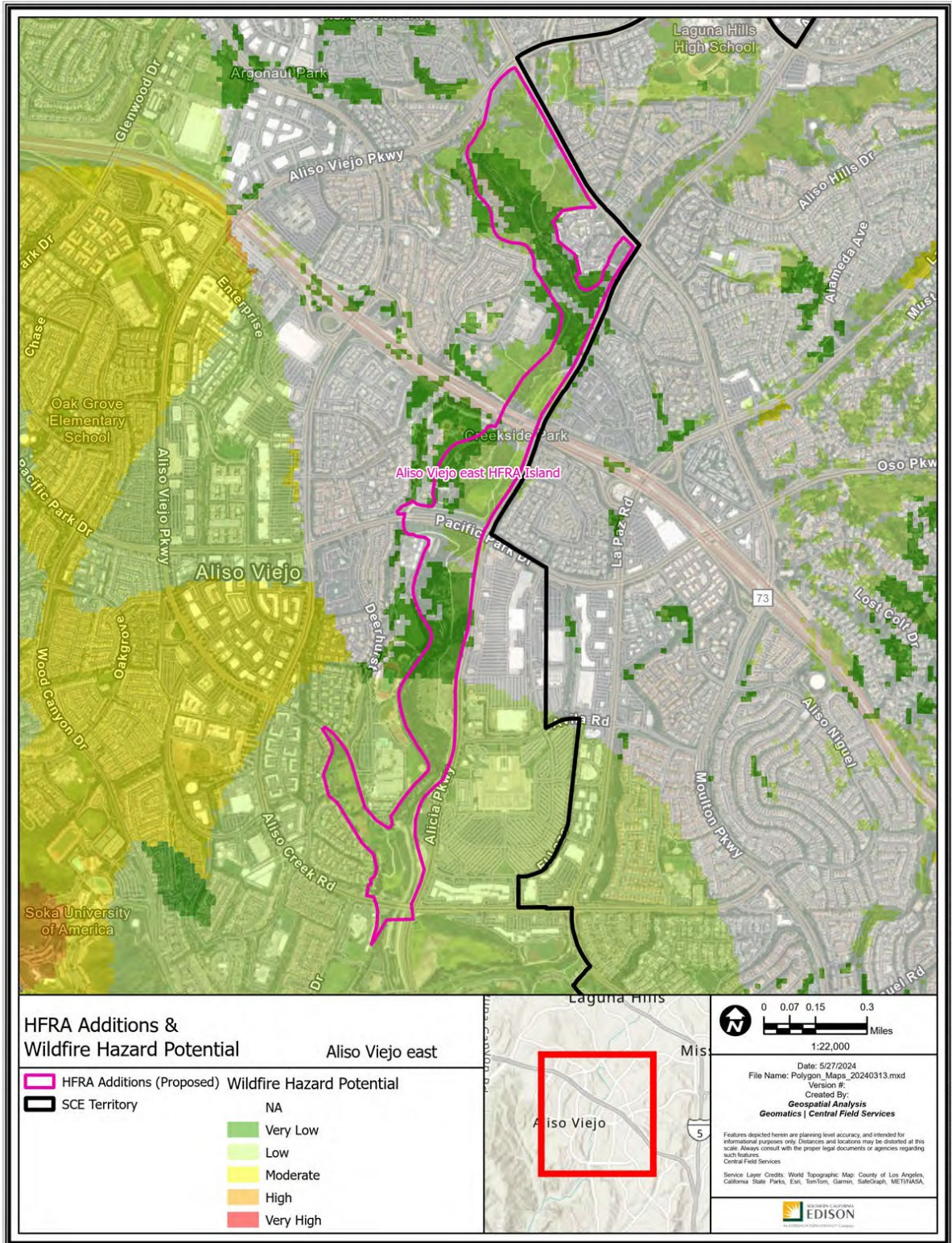
Recommendation:

SCE proposes to include the Aliso Viejo East polygon as Tier 2 HFTD. This recommendation is supported by the following facts:

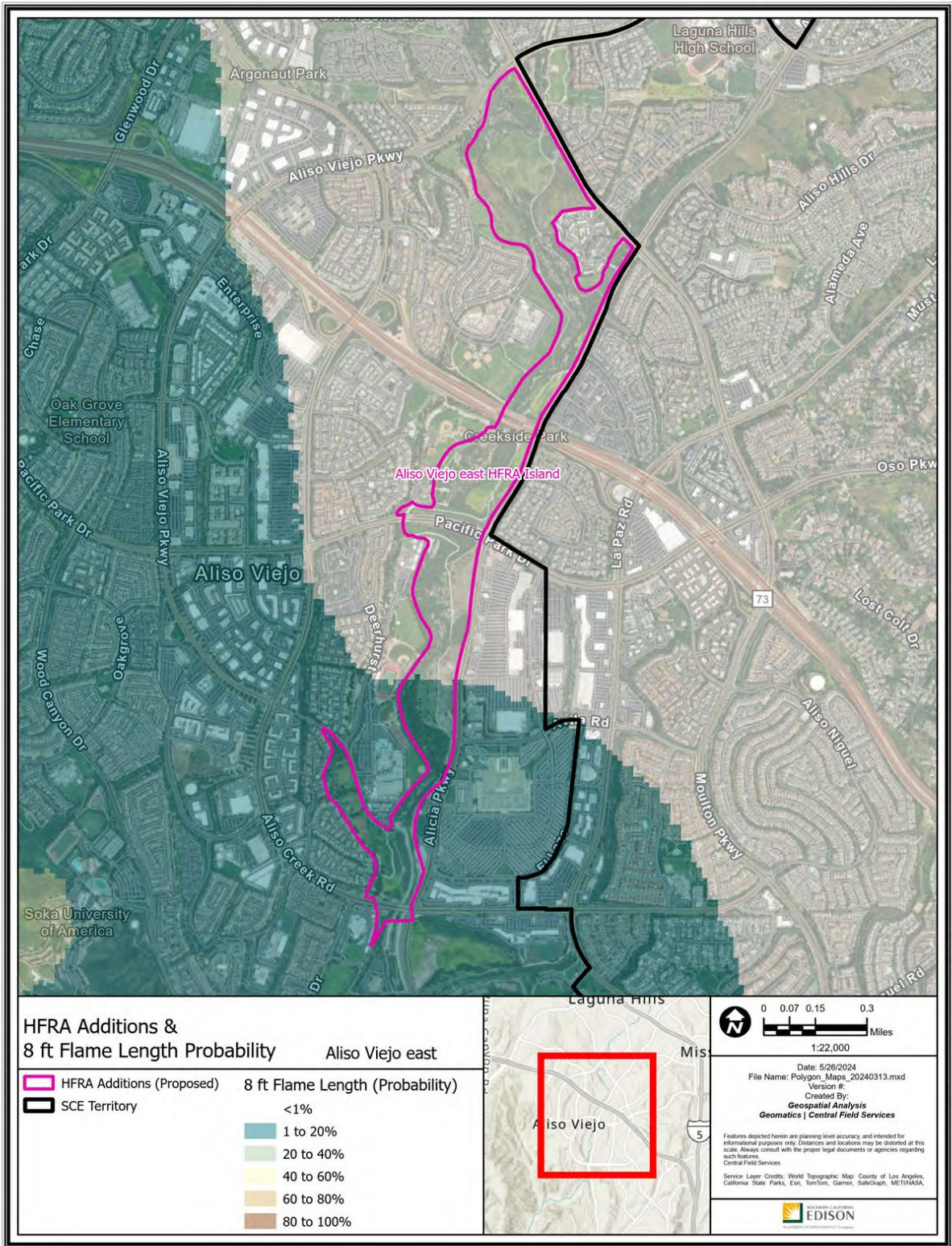
1. The polygon features a valley with unmaintained and unirrigated moderate load fuels.
2. Land use and fuel in this polygon match the characteristics of wildland.
3. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
4. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
5. Ridgelines are used as natural firebreaks to determine this polygon’s boundaries.



Figure 3 - Aliso Viejo East - Google Street View 2/2023

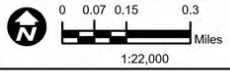


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HFRA Additions & 8 ft Flame Length Probability

| HFRA Additions (Proposed) | SCE Territory | 8 ft Flame Length (Probability) |
|---------------------------|---------------|---------------------------------|
| | | <1% |
| | | 1 to 20% |
| | | 20 to 40% |
| | | 40 to 60% |
| | | 60 to 80% |
| | | 80 to 100% |



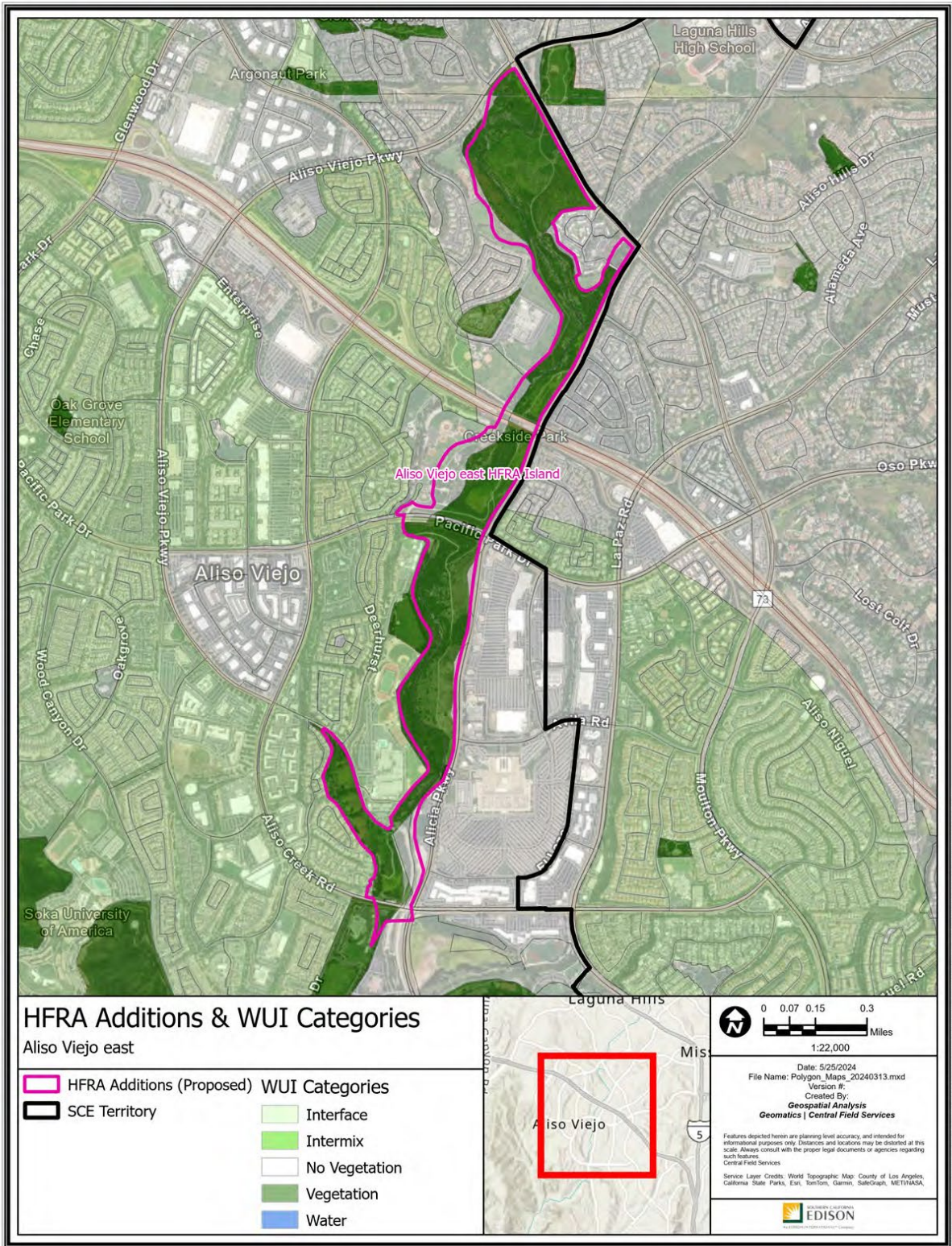
Date: 5/26/2024
 File Name: Polygon_Map_20240313.mxd
 Version #:
 Created By: **Geospatial Analysis**
Geomatics | Central Field Services

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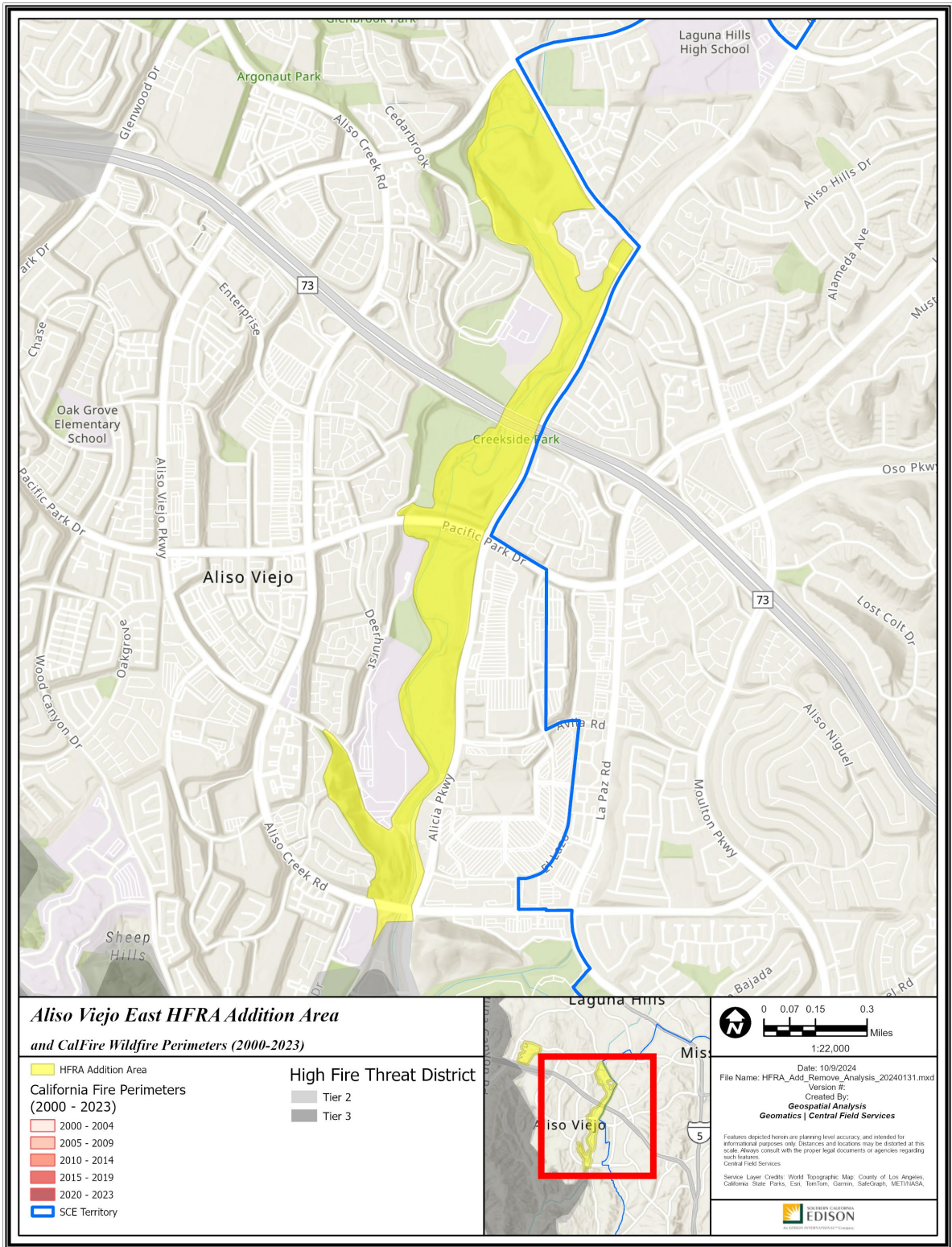
Service Layer Credits: World Topographic Map: County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, METRASA, Central Field Services



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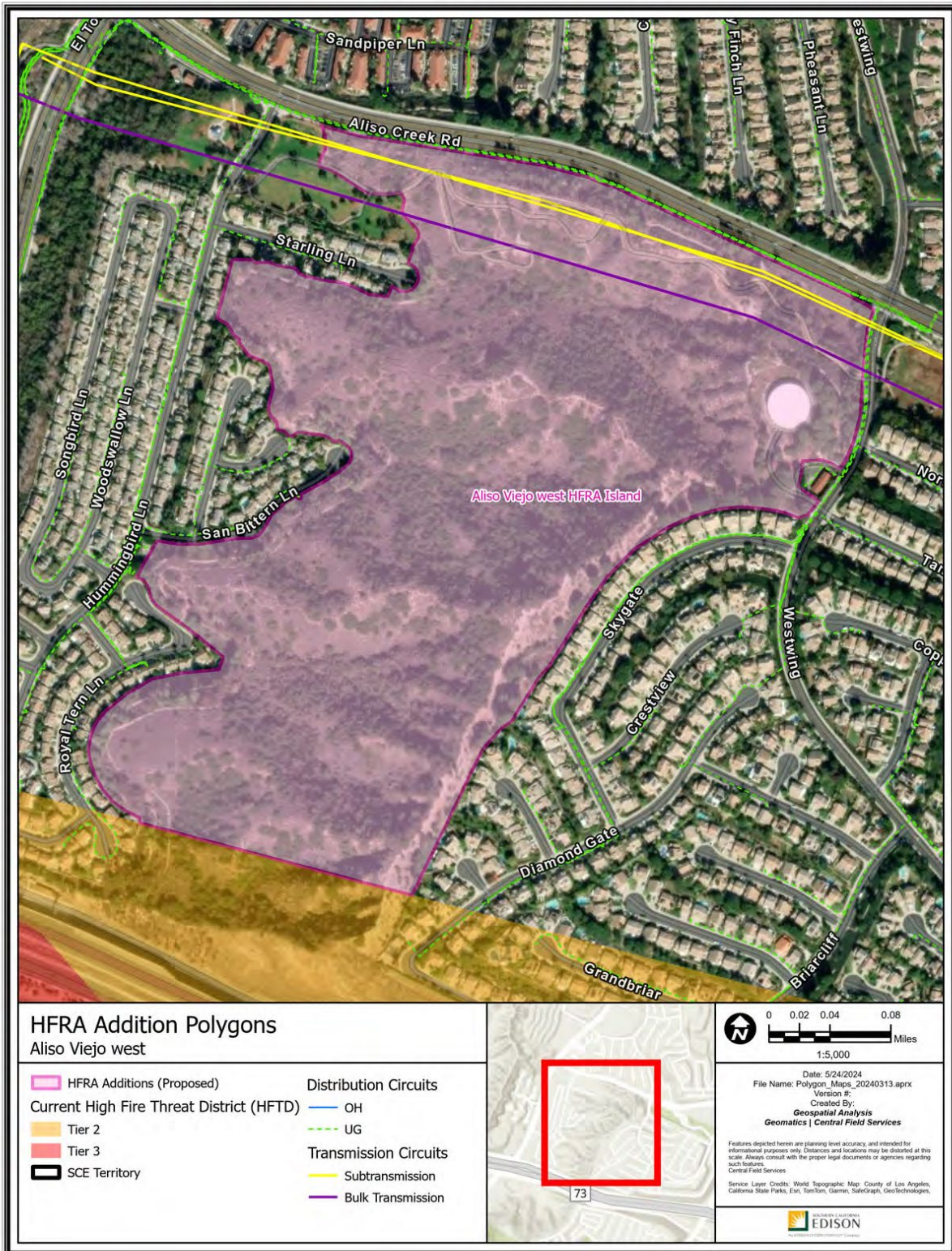
Path: P:\PROJECTS\Special_Progects\HFRA_Add_Remove_Analysis_20240131\HFRA_Add_Remove_Analysis_20240131.aprx

A9 – Aliso Viejo West

Orange County

-117.743317, 33.59441

85 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|----------------------------------|---------------------------------------|
| 27.3% | Very High Load Dry Climate Shrub |
| 25.9% | Timber Litter |
| 13.1% | Moderate Load Dry Climate Grass Shrub |
| 11.3% | Low Load Humid Climate Timber Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|-------------------------------------|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 13.8% | 86.2% | 0.0% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|-----------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0 | 0 | 0.75 | 0 | 0.64 | 1.39 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 9 | 8° | 2: Low | 12% |

Recommendation:

SCE proposes to include the Aliso Viejo West polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into complex terrain containing moderate to high load fuels surrounded by urban neighborhoods, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
2. The boundaries of this polygon are drawn along Aliso Creek Road as a firebreak and the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.

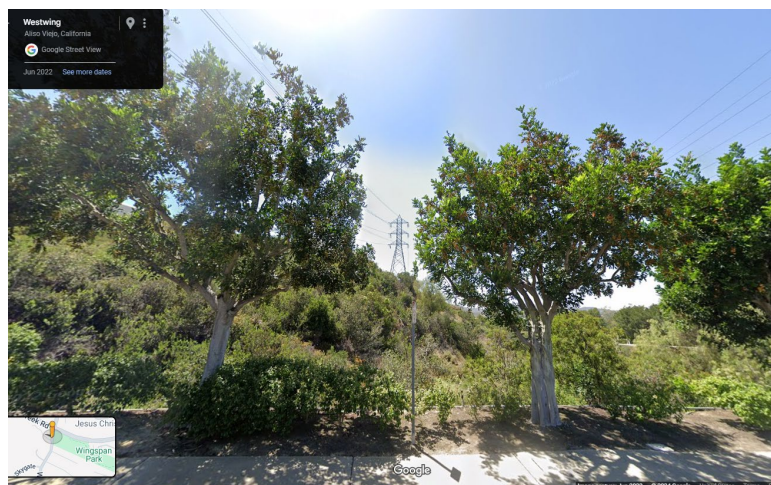
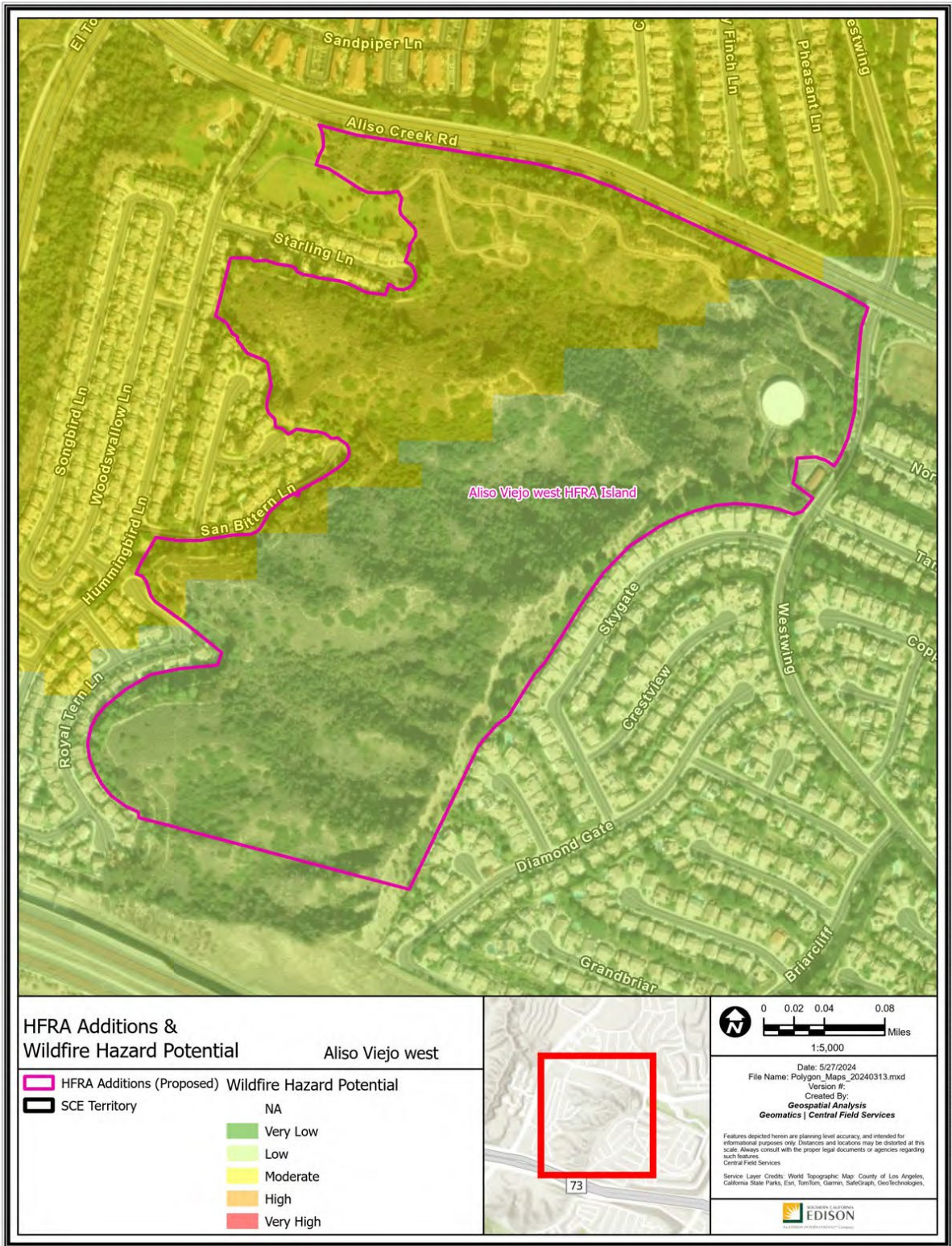


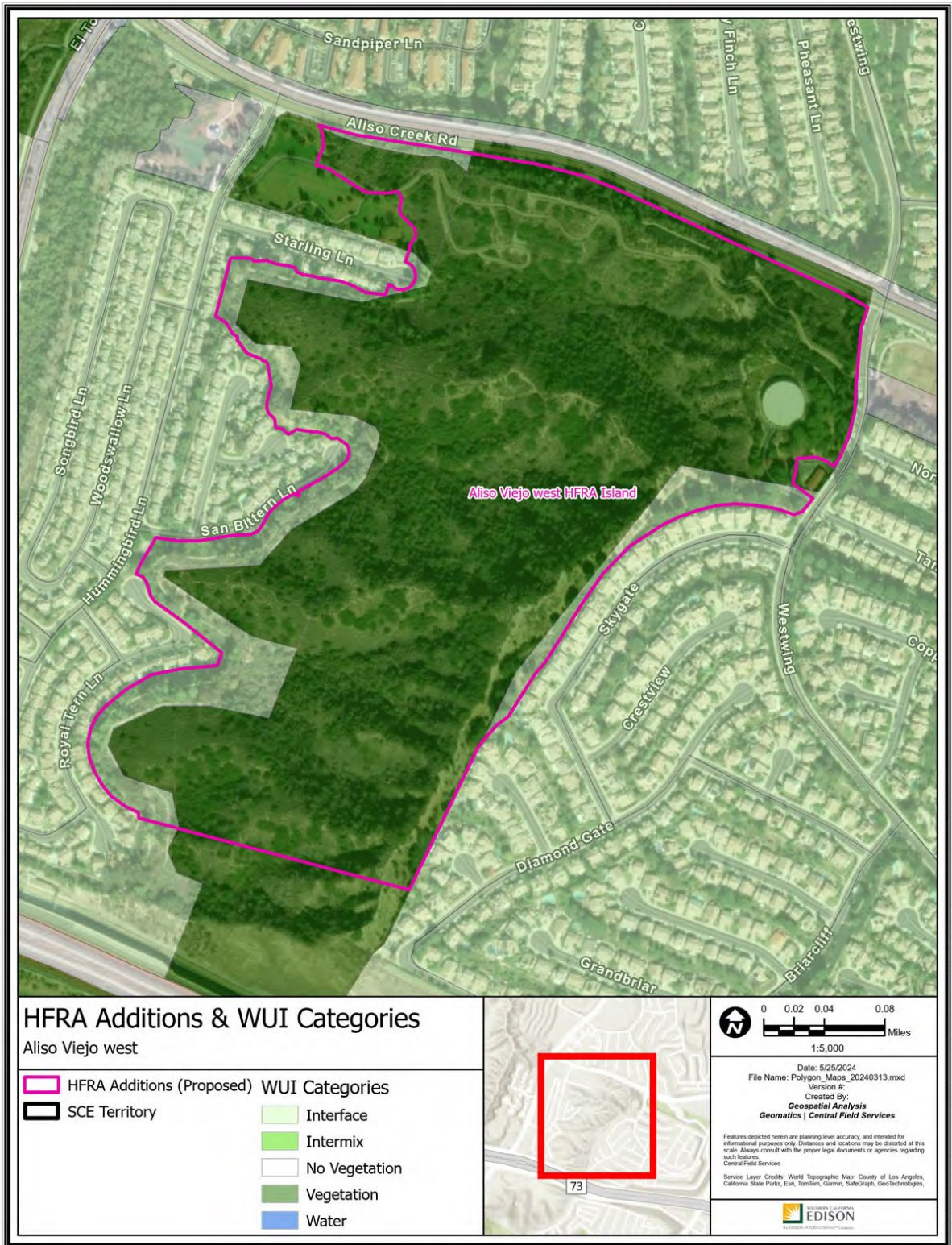
Figure 4 – Aliso Viejo East – Google Streetview 6/2022



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





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HFRA Additions & WUI Categories

Aliso Viejo west

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |




0 0.02 0.04 0.08 Miles
1:5,000

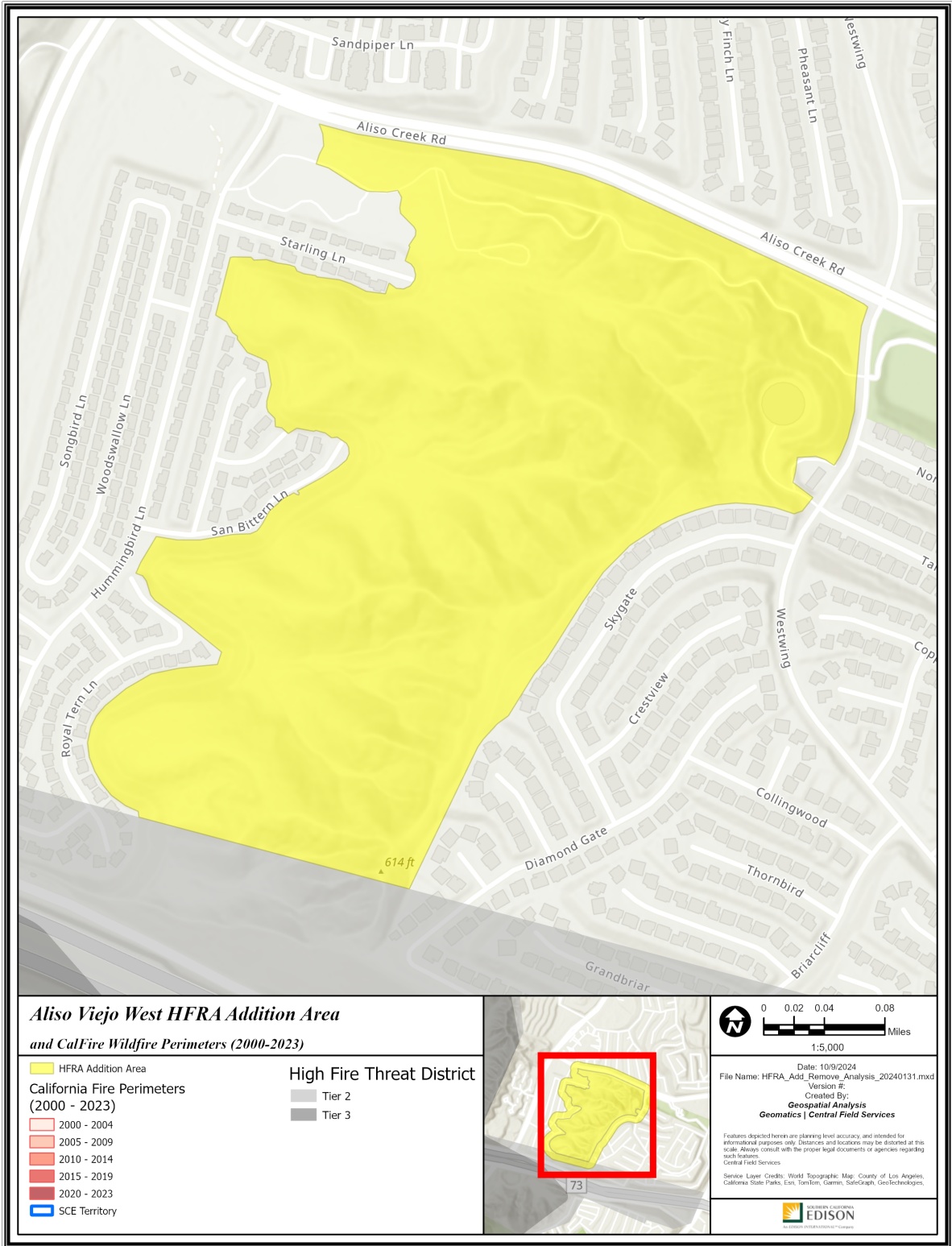
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Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Central Field Services

Service Layer Credits: World Topographic Map: County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies.

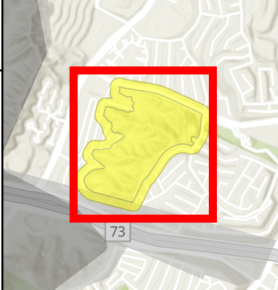


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**Aliso Viejo West HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- | | |
|--|---|
| HFRA Addition Area | High Fire Threat District |
| California Fire Perimeters (2000 - 2023) | Tier 2 |
| 2000 - 2004 | Tier 3 |
| 2005 - 2009 | |
| 2010 - 2014 | |
| 2015 - 2019 | |
| 2020 - 2023 | |
| SCE Territory | |



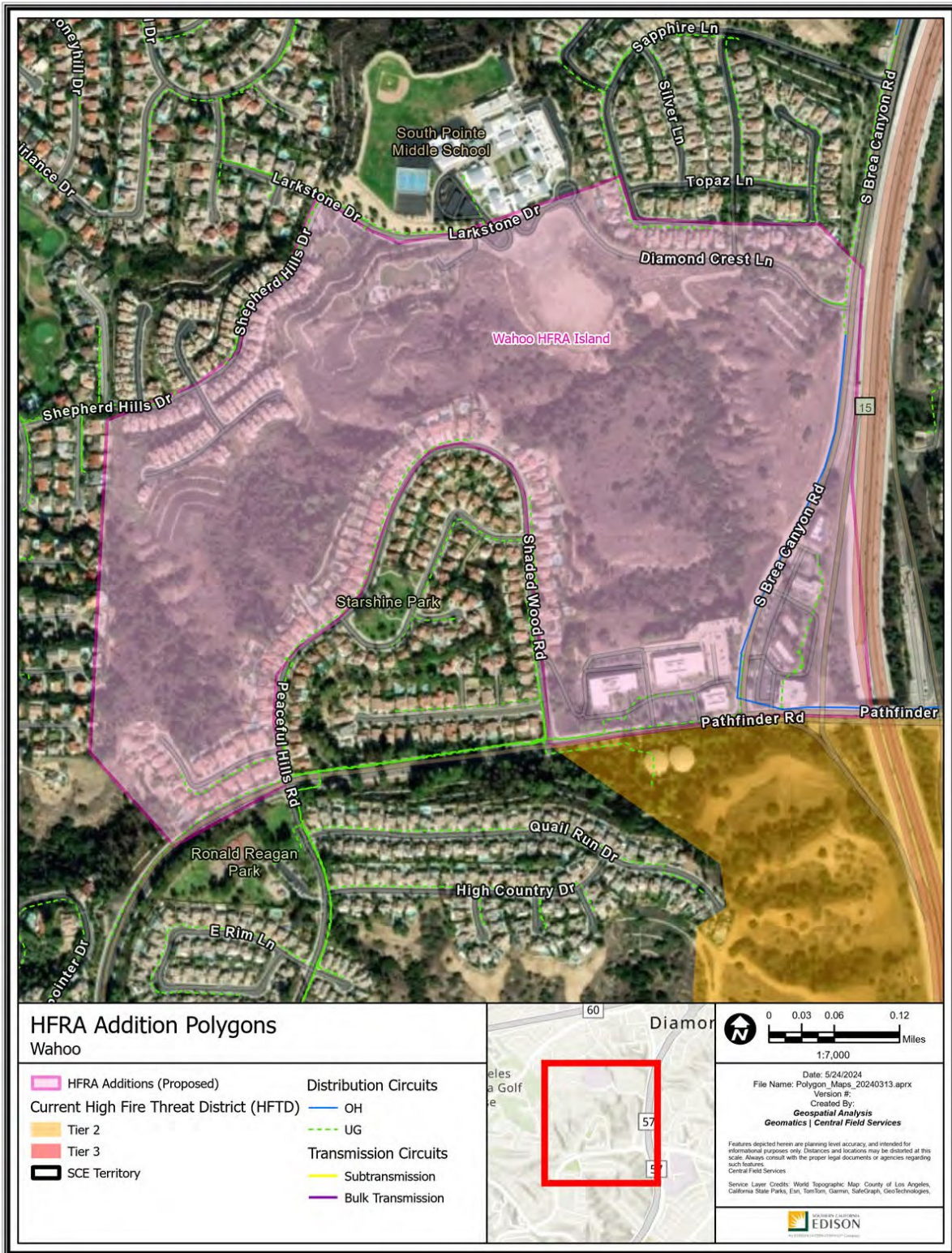
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 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Path: P:\PROJECTS\Special_Progects\HFRA_Add_Remove_Analysis_20240131\HFRA_Add_Remove_Analysis_20240131.aprx

A10 – Wahoo

Los Angeles County
 -117.848968, 33.987406
 174 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---|
| 37.9% | Moderate Load Dry Climate Grass Shrub |
| 12.2% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 11.0% | Very High Load Dry Climate Shrub |
| 10.3% | Low Load Humid Climate Timber Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 92.6% | 0.0% | 7.4% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.48 | 1.81 | 0 | 0 | 0 | 2.29 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 150 | 5.96° | 2: Low | 1% |

Recommendation:

SCE proposes to include the Wahoo polygon as Tier 2 HFTD. This would extend existing Tier 2 HFTD to cover adjacent moderately complex terrain with moderate fuel loads. This recommendation is also supported by the following facts:

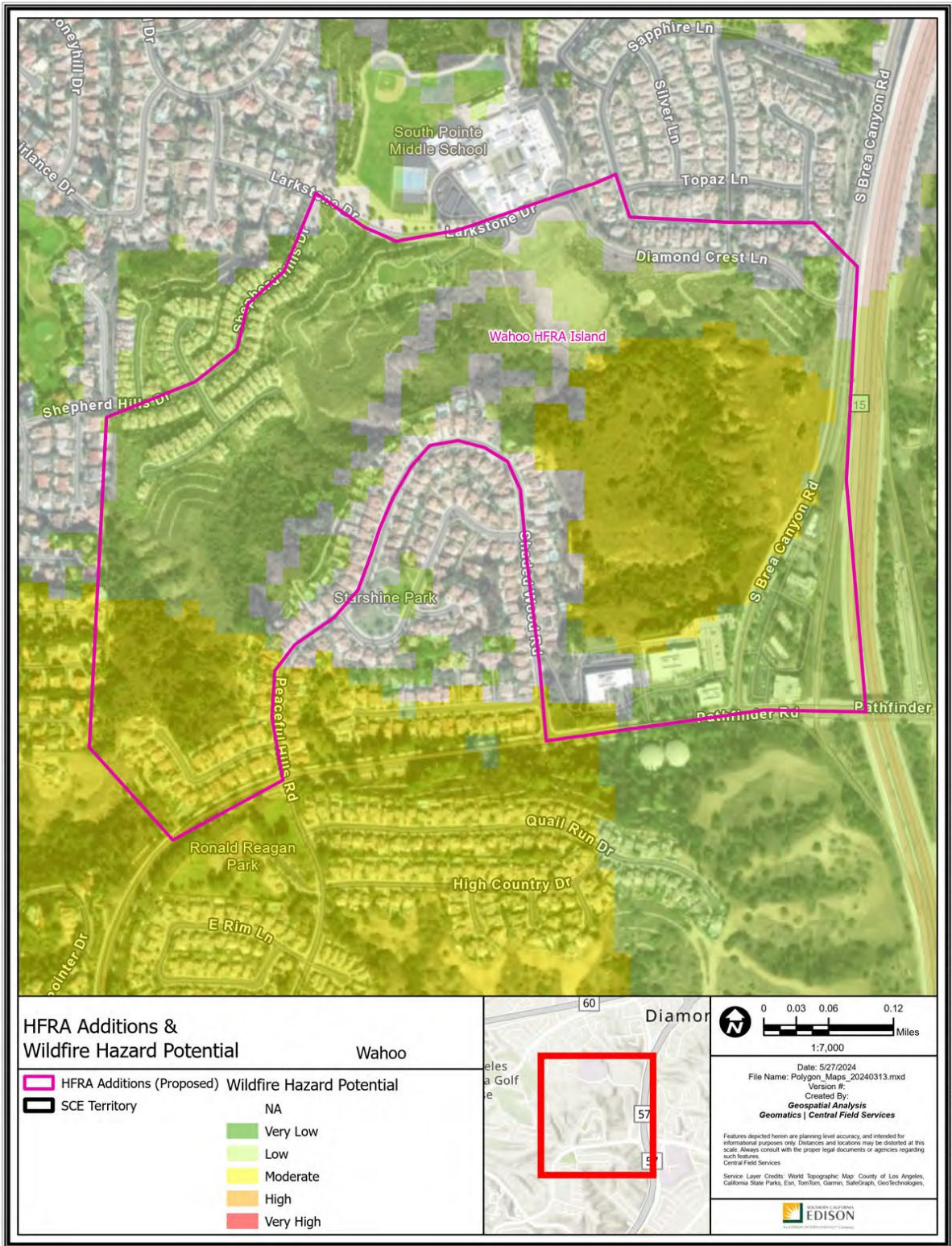
1. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
2. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
3. The boundaries of this polygon are drawn along major roads as firebreaks and the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.



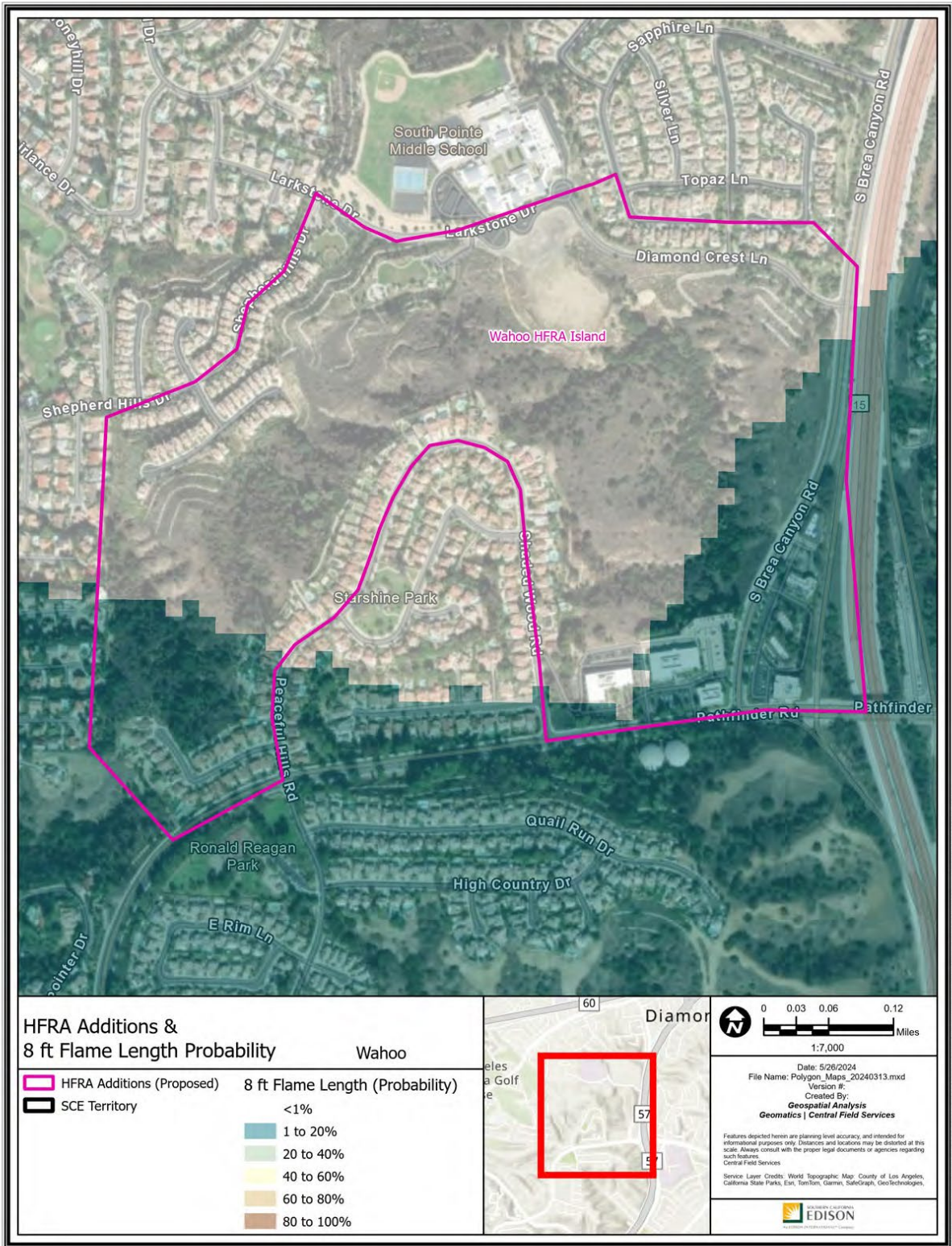
Figure 5 – Wahoo E - Google Street View 12/2023



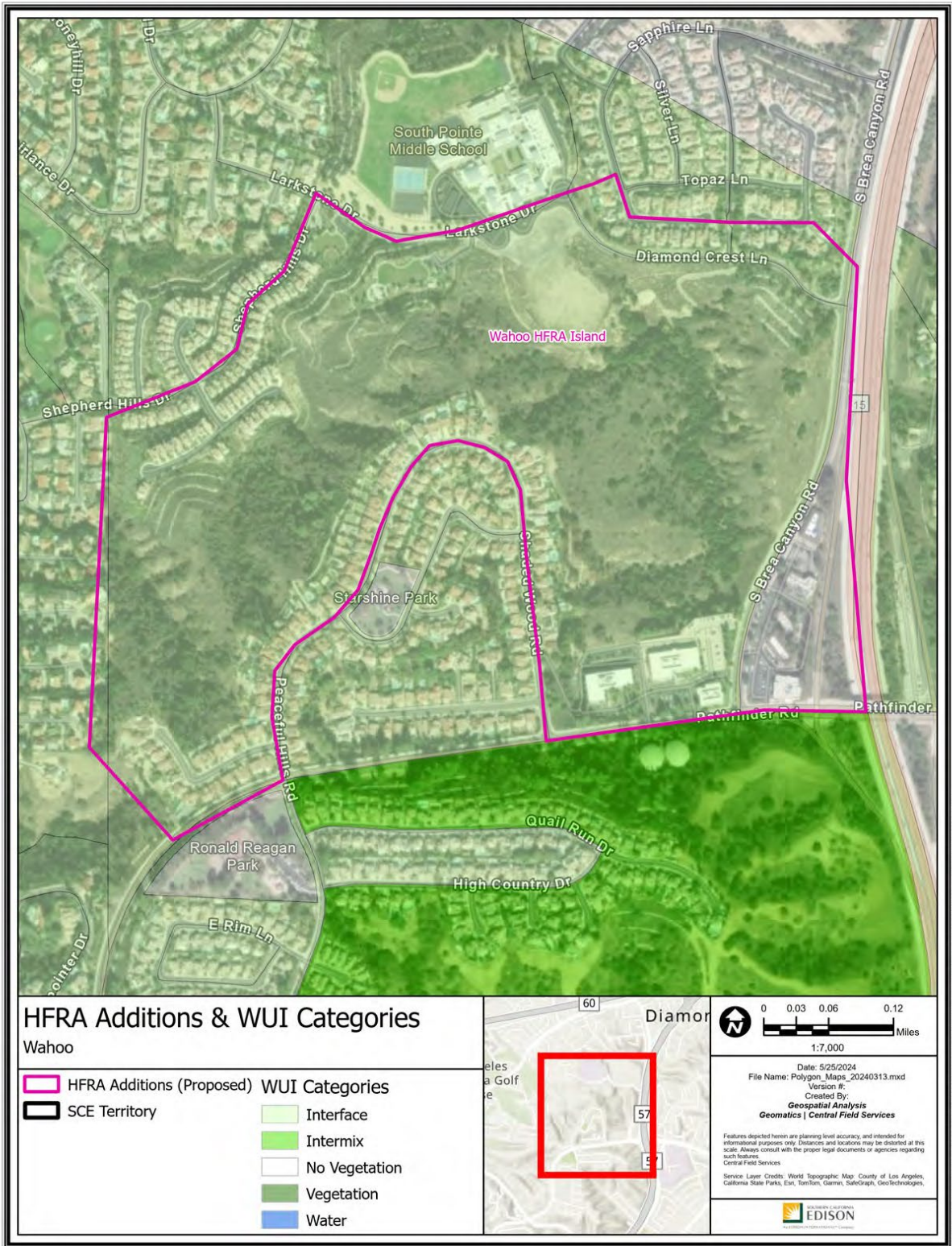
Figure 6 - Wahoo N - Google Street View 12/2023



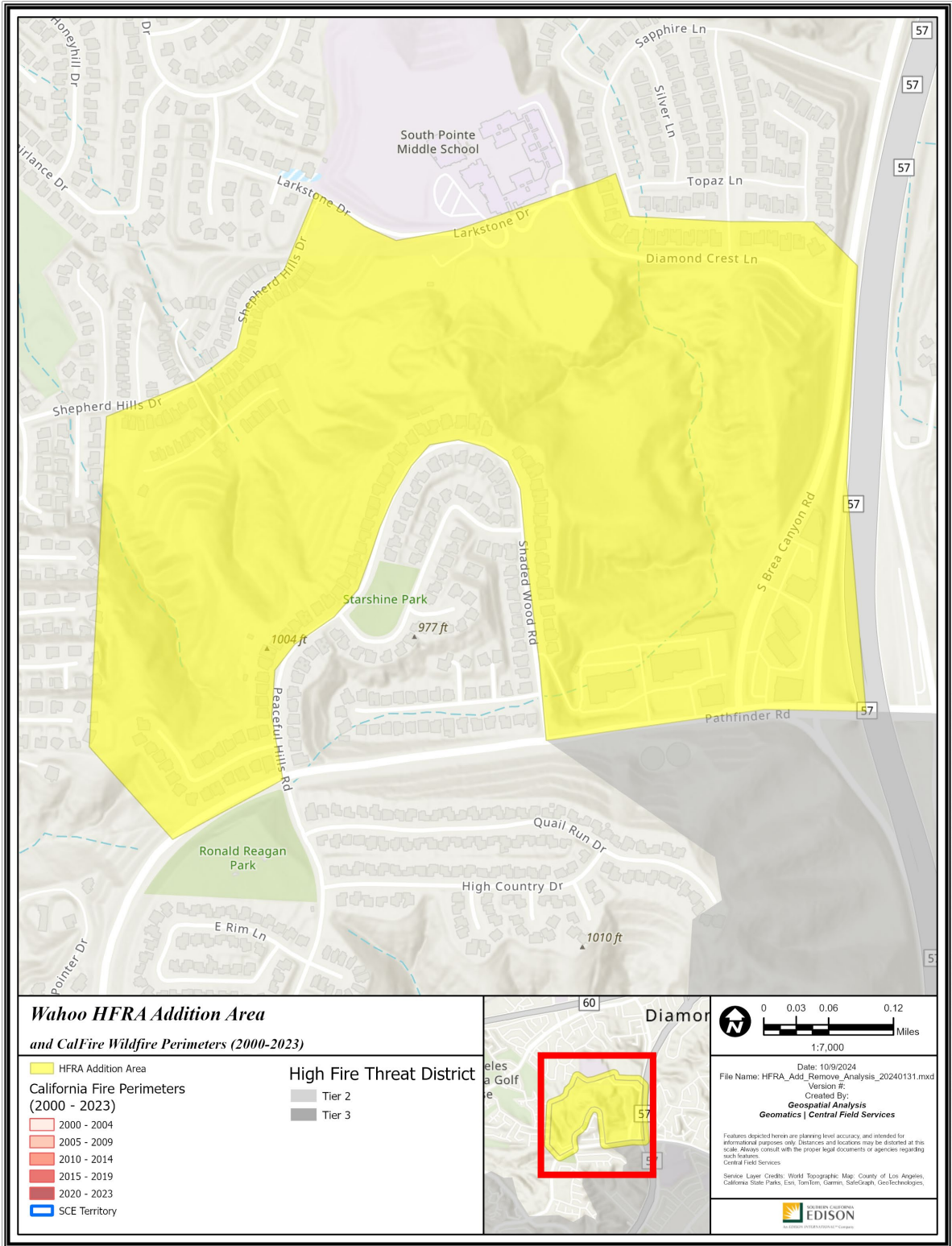
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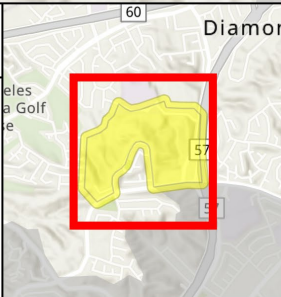


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**Wahoo HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
- Tier 2
 - Tier 3



0 0.03 0.06 0.12 Miles
1:7,000

Date: 10/9/2024
File Name: HFRA_Add_Remove_Analysis_20240131.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Central Field Services

Service Layer Credits: World Topographic Map: County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies.

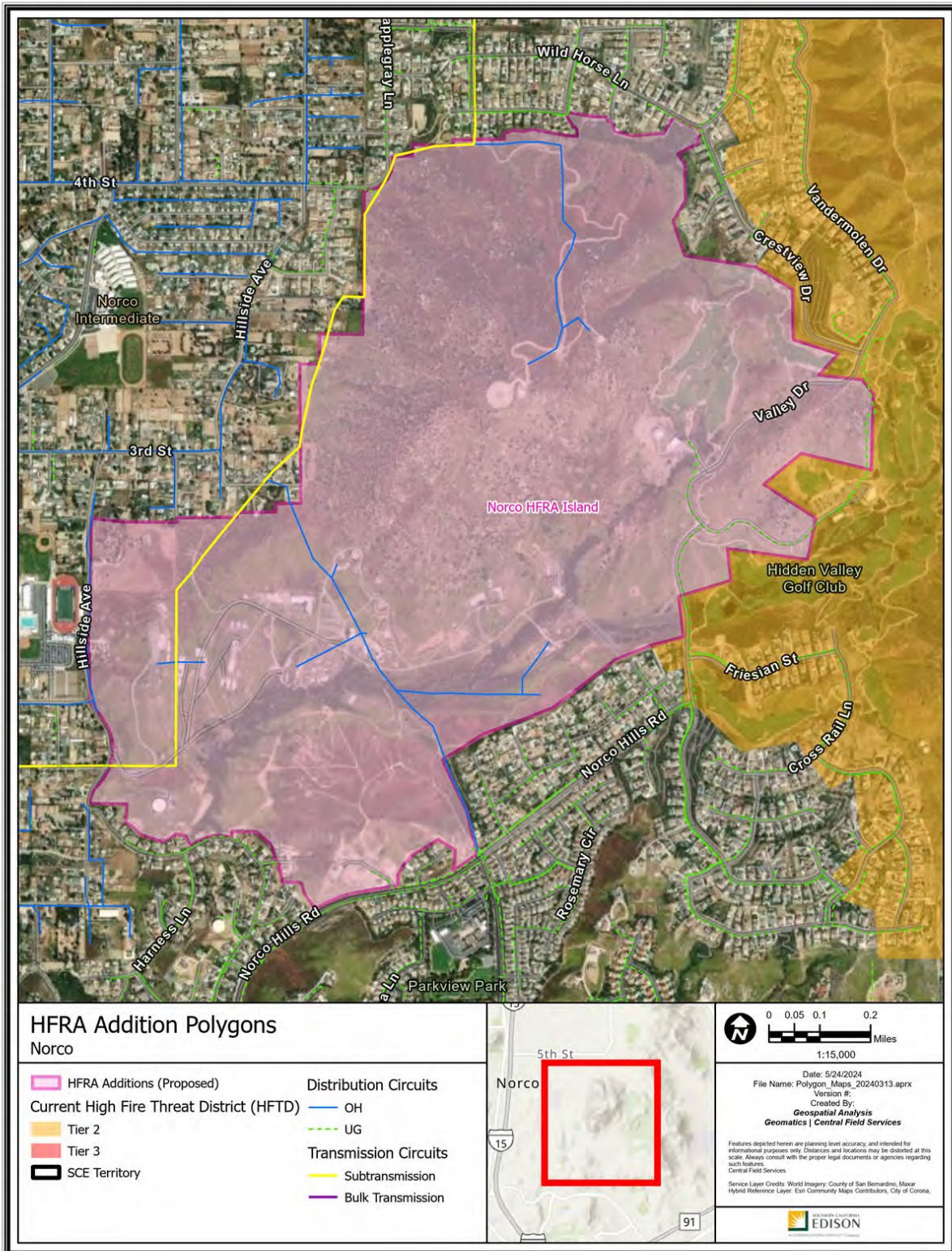
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A11 – Norco

Riverside County

-117.531273, 33.91515

834 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---|
| 86.5% | Moderate Load Dry Climate Grass Shrub |
| 6.8% | Golf Courses Non Burnable No Encroachment |
| 2.5% | Low Load Dry Climate Grass |
| 1.3% | Very High Load Dry Climate Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 100.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100% |

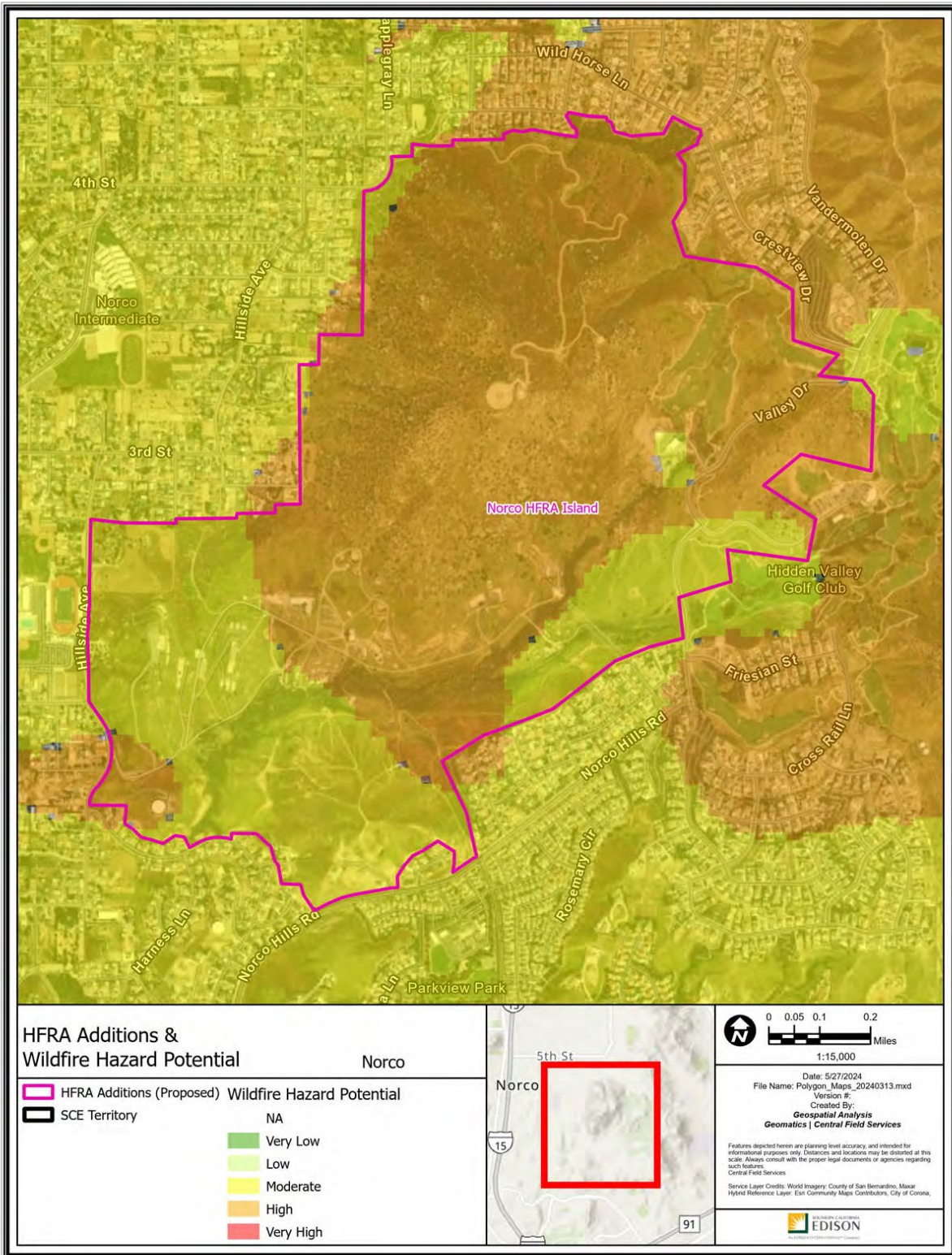
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 3.41 | 0.96 | 1.26 | 0 | 0 | 5.63 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 29 | 9.04° | 4: High | 7% |

Recommendation:




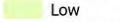
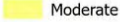

SCE proposes to include the Norco polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into moderate fuel loads on complex terrain in Wildland-Urban Intermix, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. A fire in this polygon could spread to existing Tier 2 HFTD and impact bordering urban areas.
2. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
3. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
4. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
5. The boundaries of this polygon are drawn along the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.



HFRA Additions & Wildfire Hazard Potential

Norco

| | |
|---|---------------------------|
|  | HFRA Additions (Proposed) |
|  | SCE Territory |
| | Wildfire Hazard Potential |
| | NA |
|  | Very Low |
|  | Low |
|  | Moderate |
|  | High |
|  | Very High |




0 0.05 0.1 0.2 Miles
1:15,000

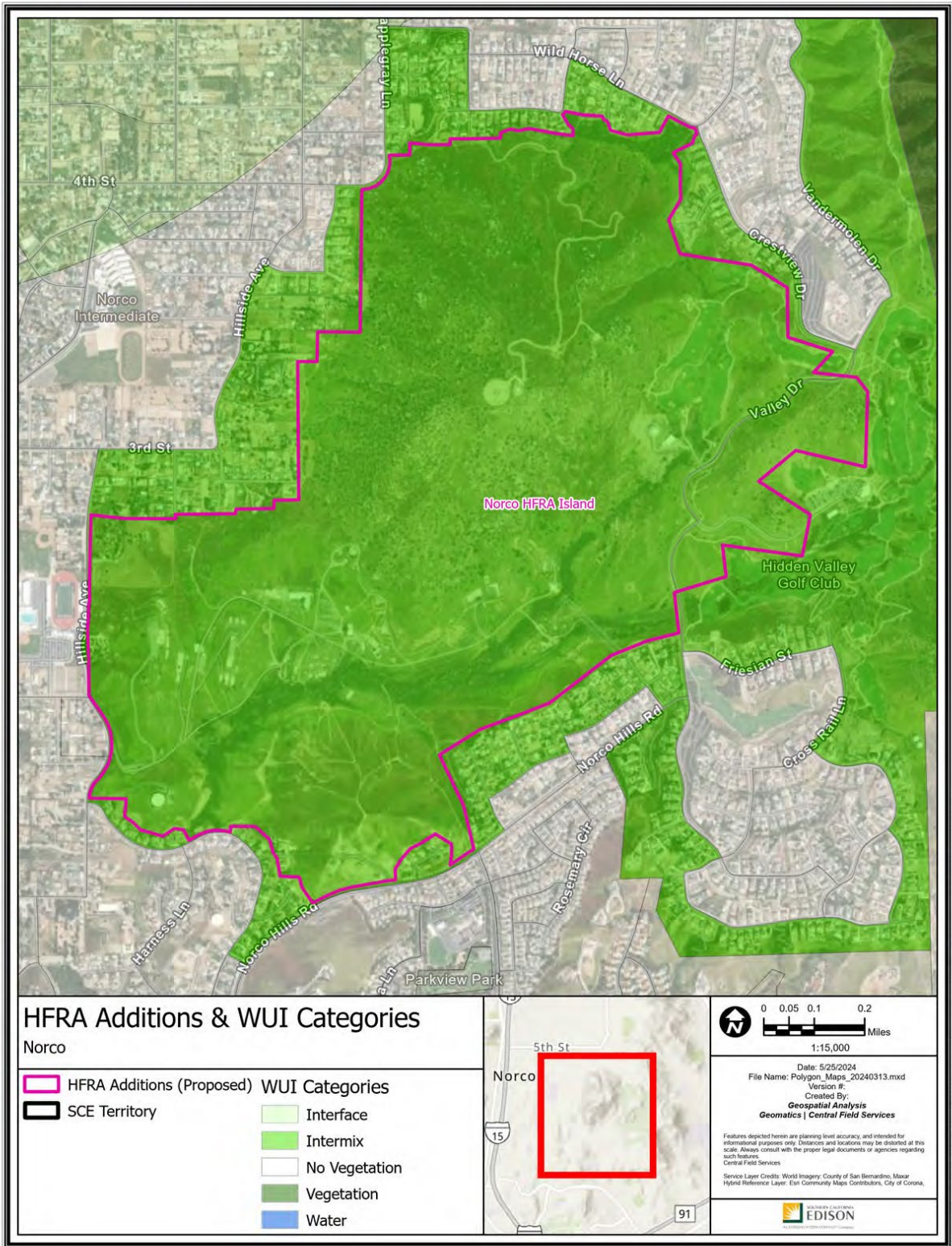
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Geospatial Analysis
Geomatics | Central Field Services

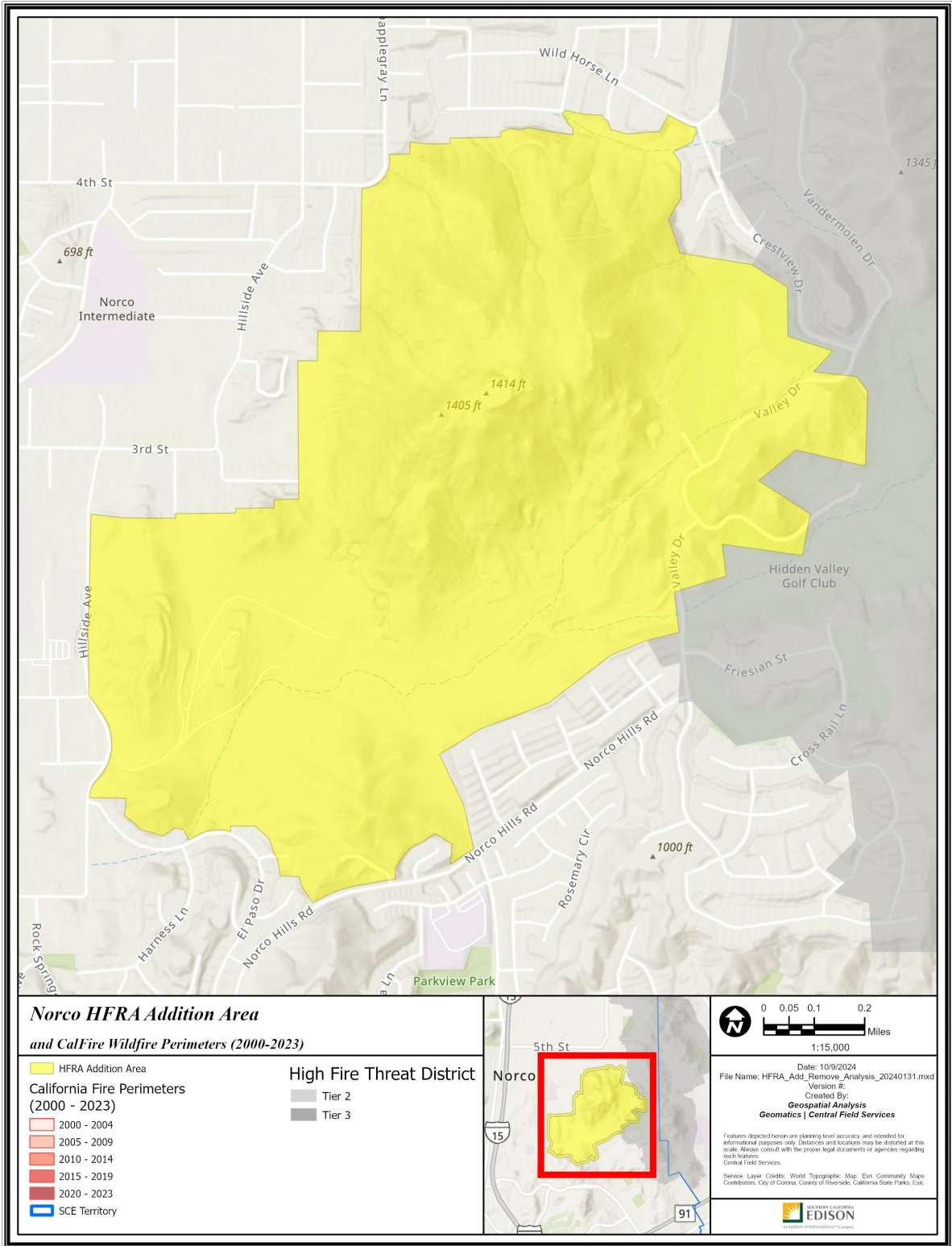
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Central Field Services

Service Layer Credits: World Imagery: County of San Bernardino, Masar Hybrid Reference Layer: Esri Community Maps Contributors, City of Corona.



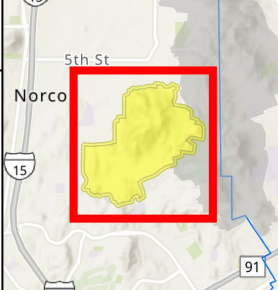
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**Norco HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
- Tier 2
 - Tier 3



0 0.05 0.1 0.2 Miles
1:15,000

Date: 10/9/2024
File Name: HFRA_Add_Remove_Analysis_20240131.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

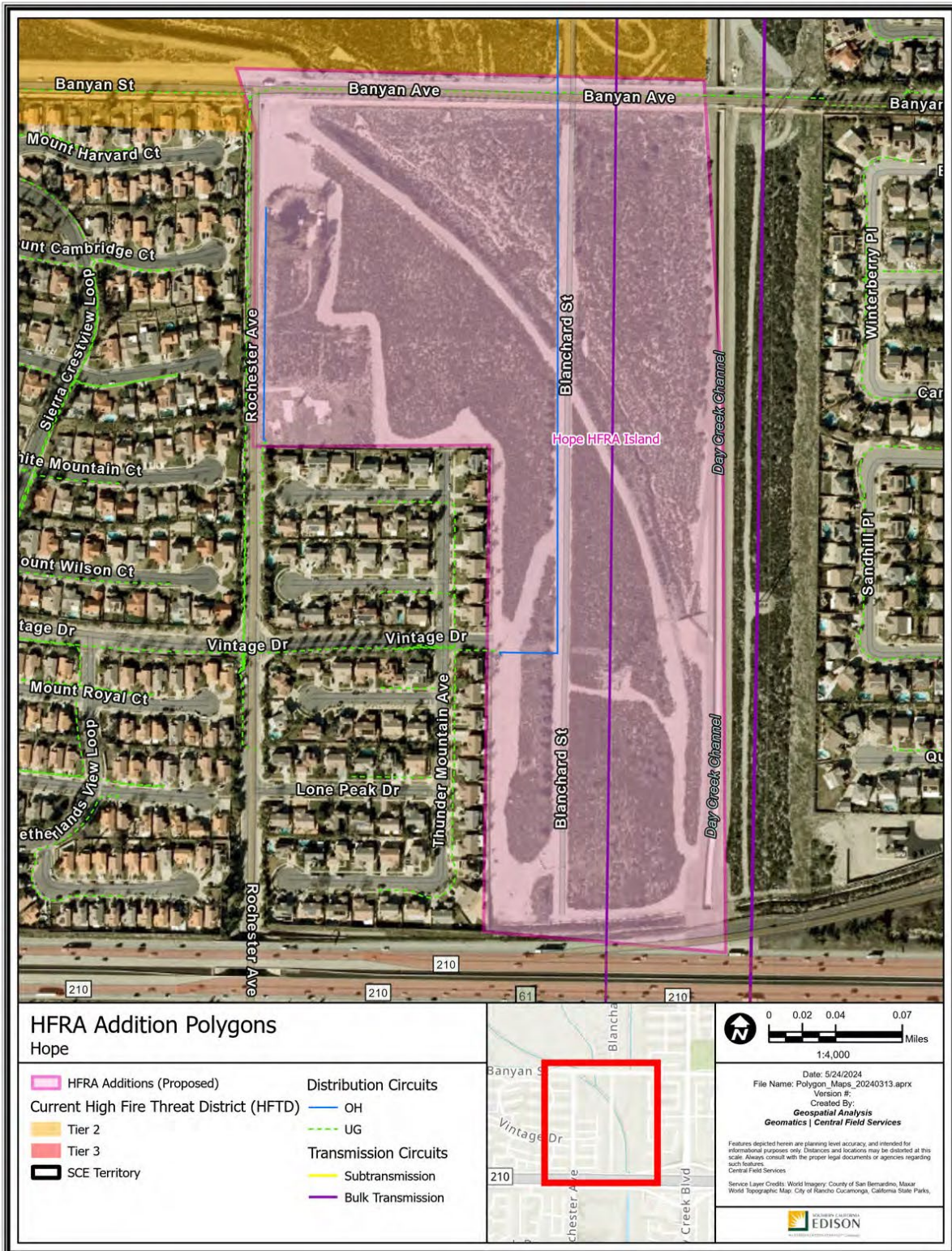
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Central Field Services

Service Layer Credits: World Topographic Map; Esri Community Maps Contributors; City of Corona; County of Riverside; California State Parks; Esri.

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A12 – Hope

San Bernardino County
 -117.542693, 34.140647
 51 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 70.4% | Moderate Load Dry Climate Grass Shrub |
| 10.7% | Bare Ground |
| 8.3% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 6.5% | Minor Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 0.0% | 3.6% | 96.4% | 0.0% | 100% |

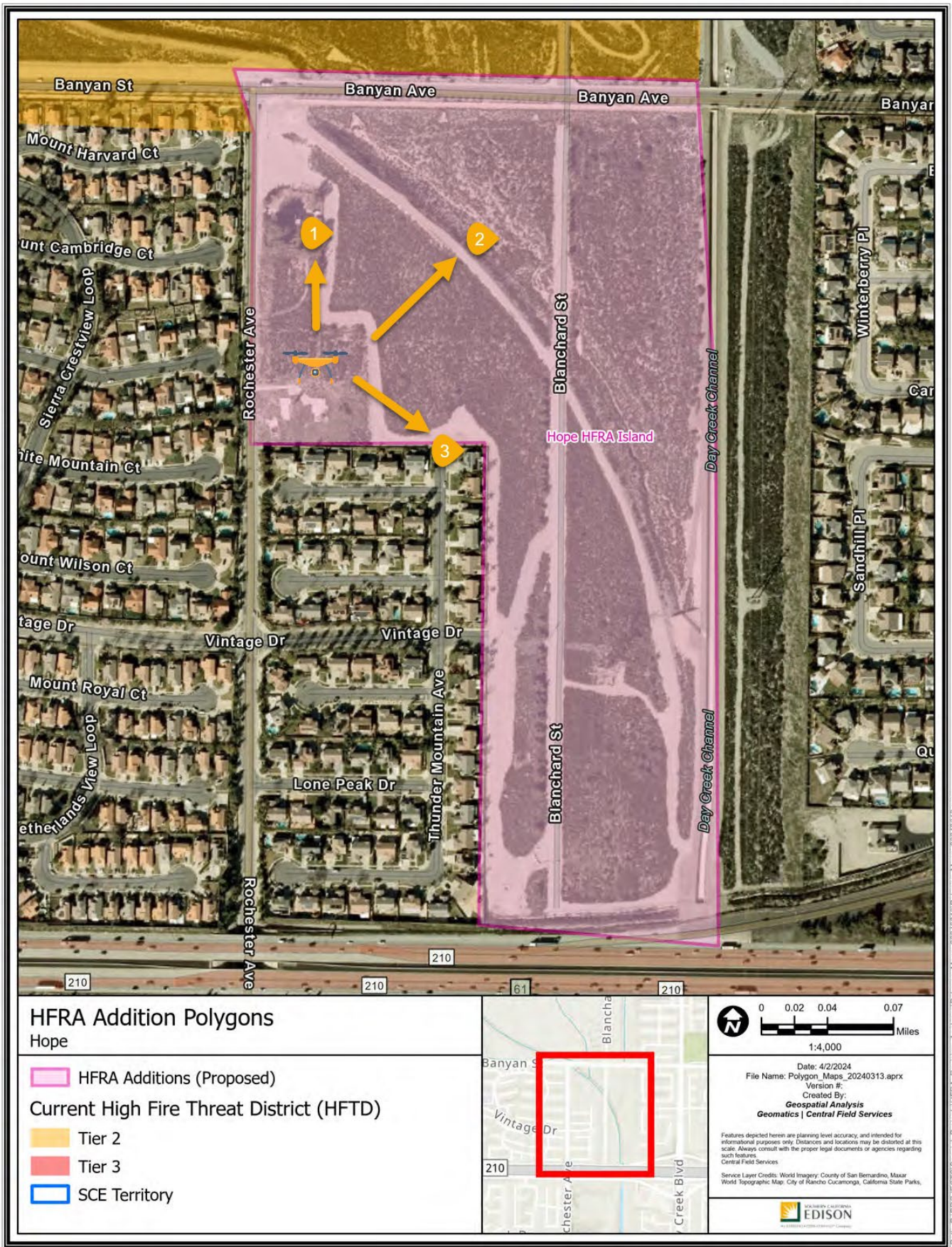
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.46 | 0.27 | 0 | 0 | 0.45 | 1.18 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 1 | 2.73° | 3: Moderate | 1% |

Recommendation:

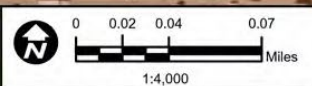
SCE proposes to include the Hope polygon as Tier 2 HFTD. This extension would encompass undeveloped land with moderate fuel loads, consistent with adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. Land use and fuel in this polygon match the characteristics of Wildland-Urban Interface.
2. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
4. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas that have extreme high wind exposure.
5. The boundaries of this polygon are drawn along local roadways and suburban neighborhoods.
6. Supplemental photos below show the latest conditions and land use following development and growth.



HFRA Addition Polygons
Hope

- HFRA Additions (Proposed)
- Current High Fire Threat District (HFTD)**
- Tier 2
- Tier 3
- SCE Territory



Date: 4/2/2024
 File Name: Polygon_Maps_20240313.aprx
 Version #: _____
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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 Central Field Services

Service Layer Credits: World Imagery: County of San Bernardino, Maxar
 World Topographic Map: City of Rancho Cucamonga, California State Parks,
 EDISON

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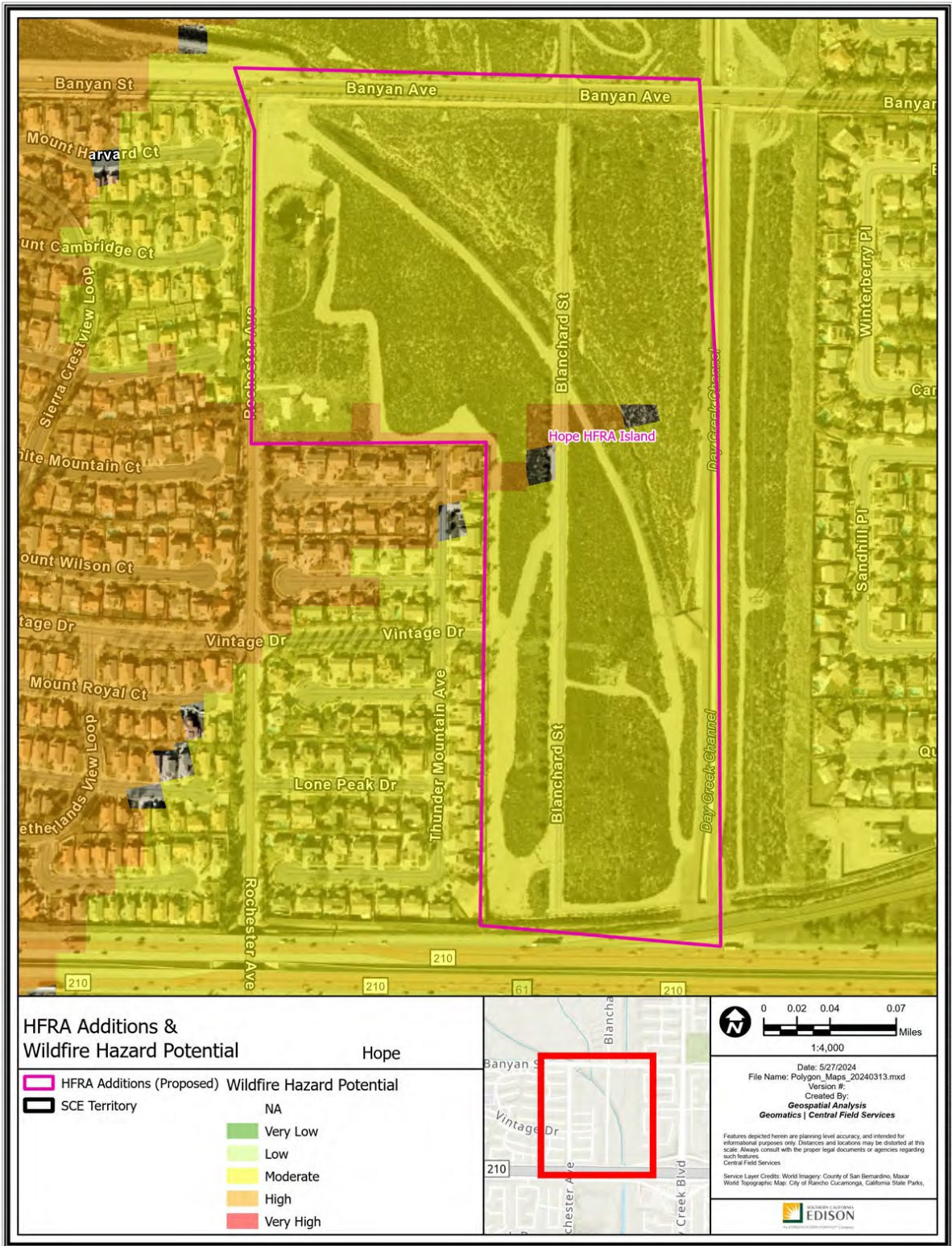
Figure 7 - Hope 1 North via Drone 11/2024



Figure 8 - Hope 2 NE via Drone 11/2024



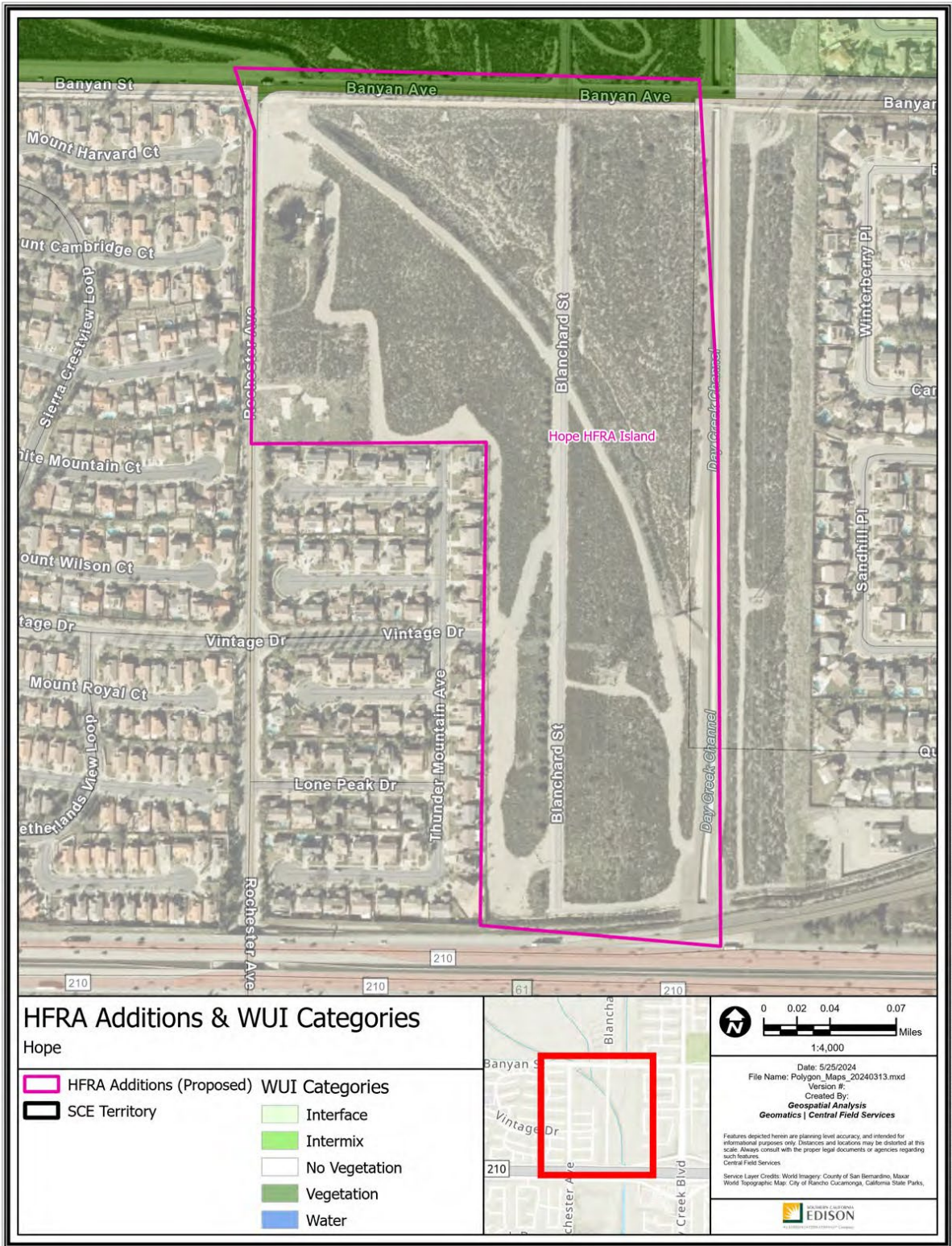
Figure 9 - Hope 3 SE via Drone 11/2024



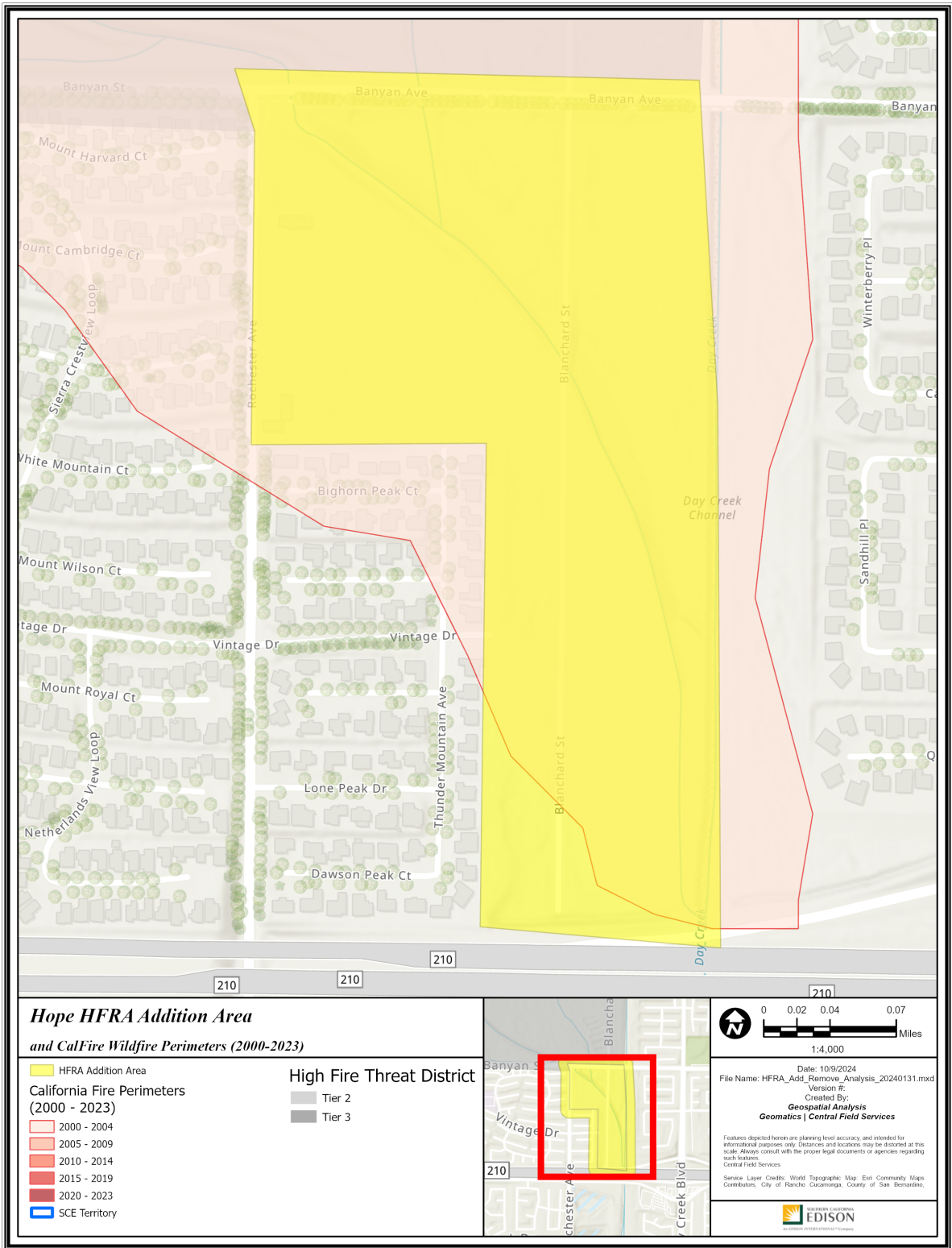
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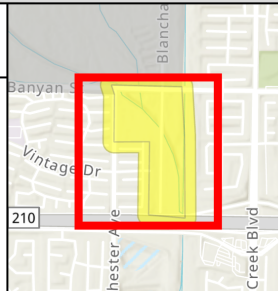


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**Hope HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

| | |
|--|---|
| HFRA Addition Area | High Fire Threat District |
| California Fire Perimeters (2000 - 2023) | Tier 2 |
| 2000 - 2004 | Tier 3 |
| 2005 - 2009 | |
| 2010 - 2014 | |
| 2015 - 2019 | |
| 2020 - 2023 | |
| SCE Territory | |



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

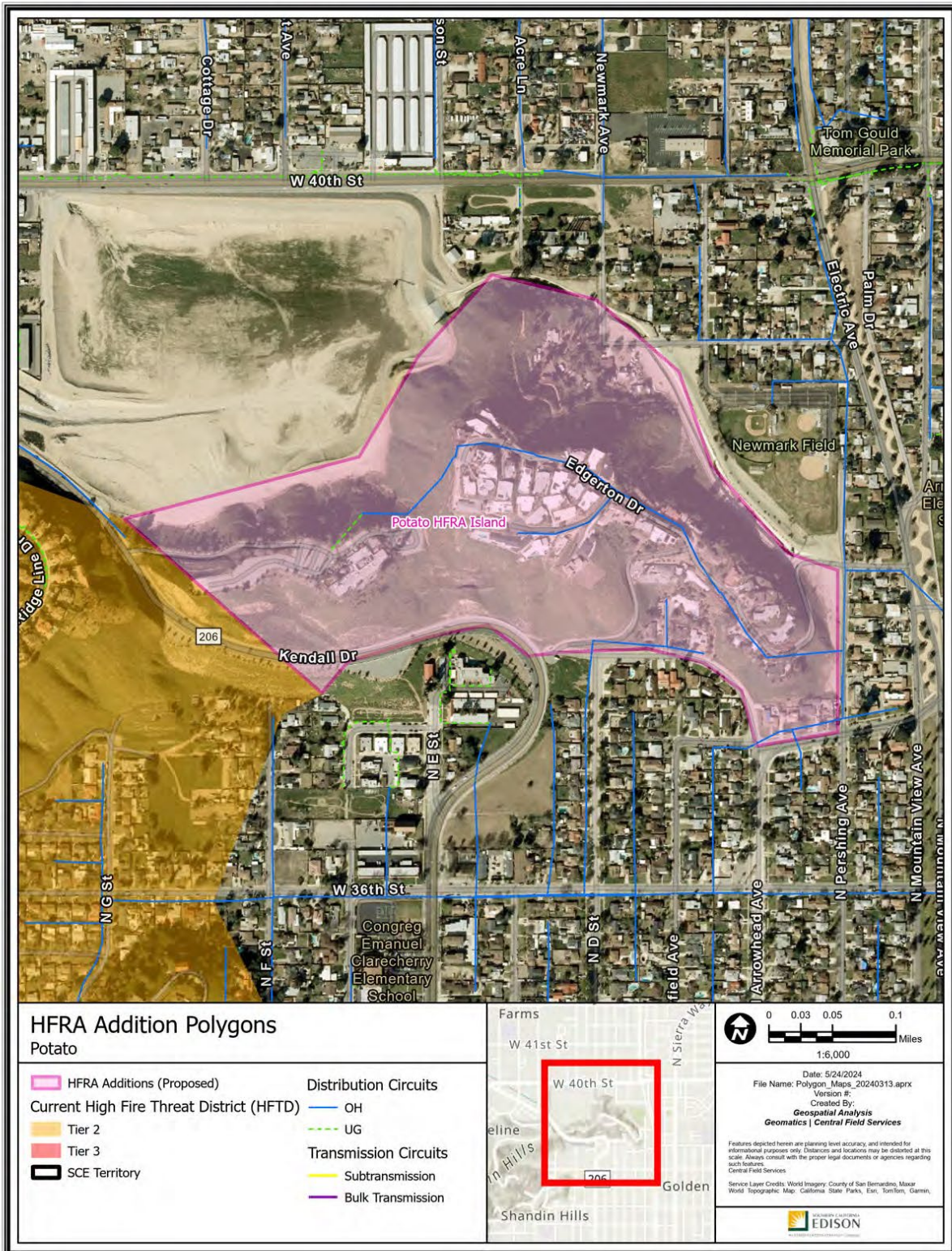
Features depicted herein are planning level accuracy, and intended for informational purposes only. Distances and locations may be distorted at this scale. Always consult with the proper legal documents or agencies regarding such features.

Service Layer Credits: World Topographic Map: Esri Community Maps Contributors, City of Rancho Cucamonga, County of San Bernardino.

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A13 – Potato

San Bernardino County
 -117.292778, 34.160754
 65 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 59.8% | Moderate Load Dry Climate Grass Shrub |
| 17.8% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 11.2% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 3.3% | Non Burnable Urban Areas |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 58.7% | 0.0% | 41.3% | 0.0% | 100% |

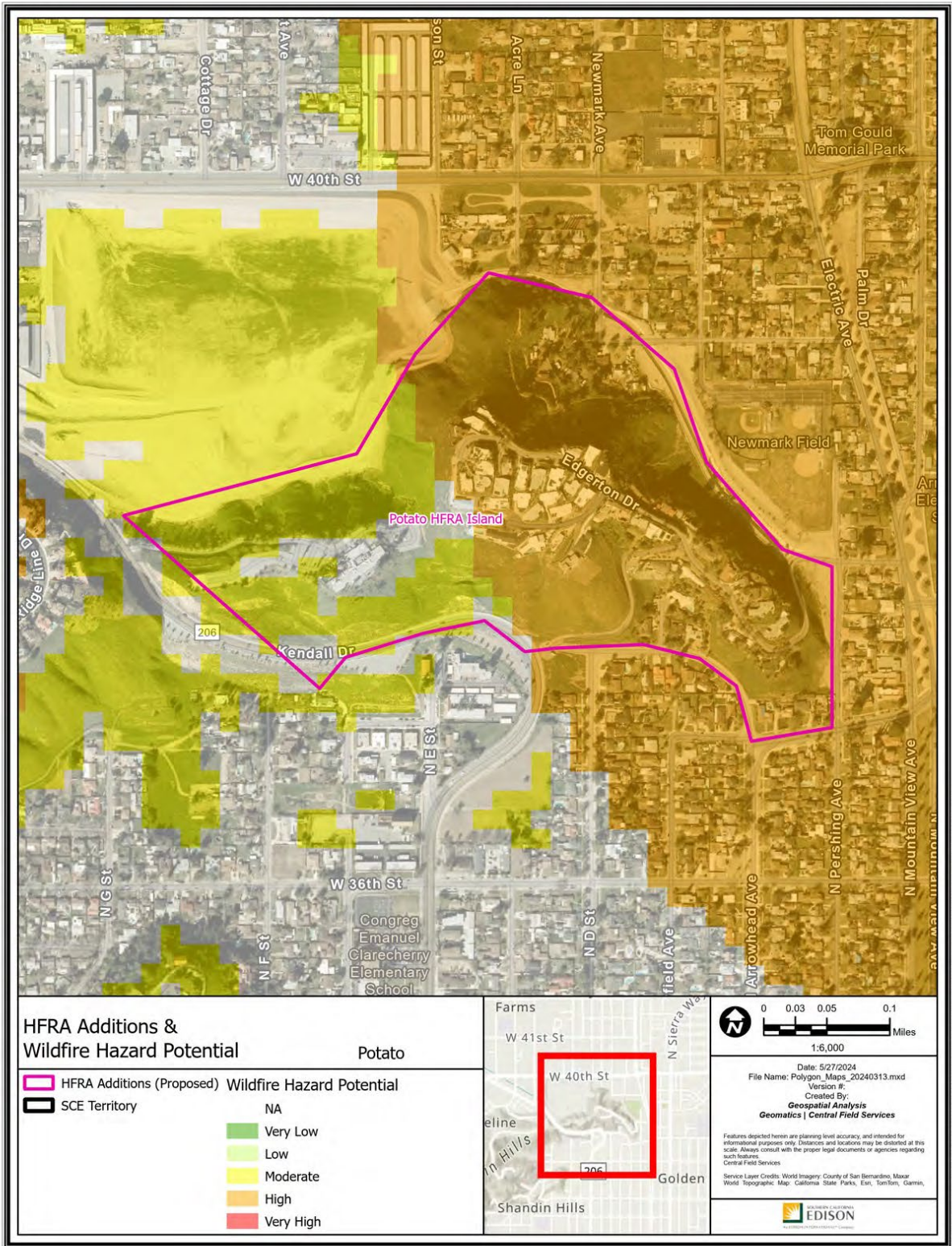
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.79 | 0.04 | 0 | 0 | 0 | 0.83 |

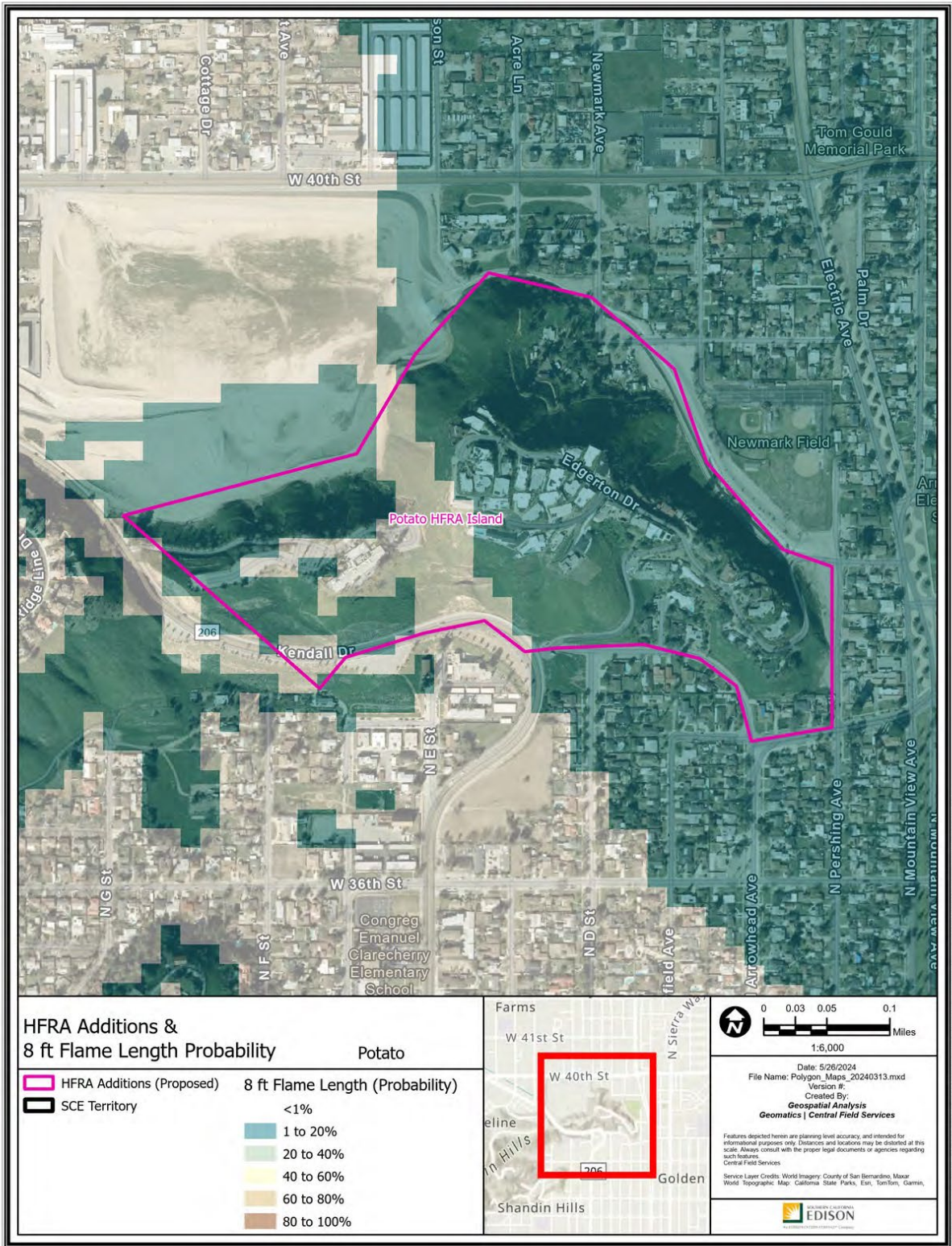
| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 58 | 6.44° | 3: Moderate | 4% |

Recommendation:

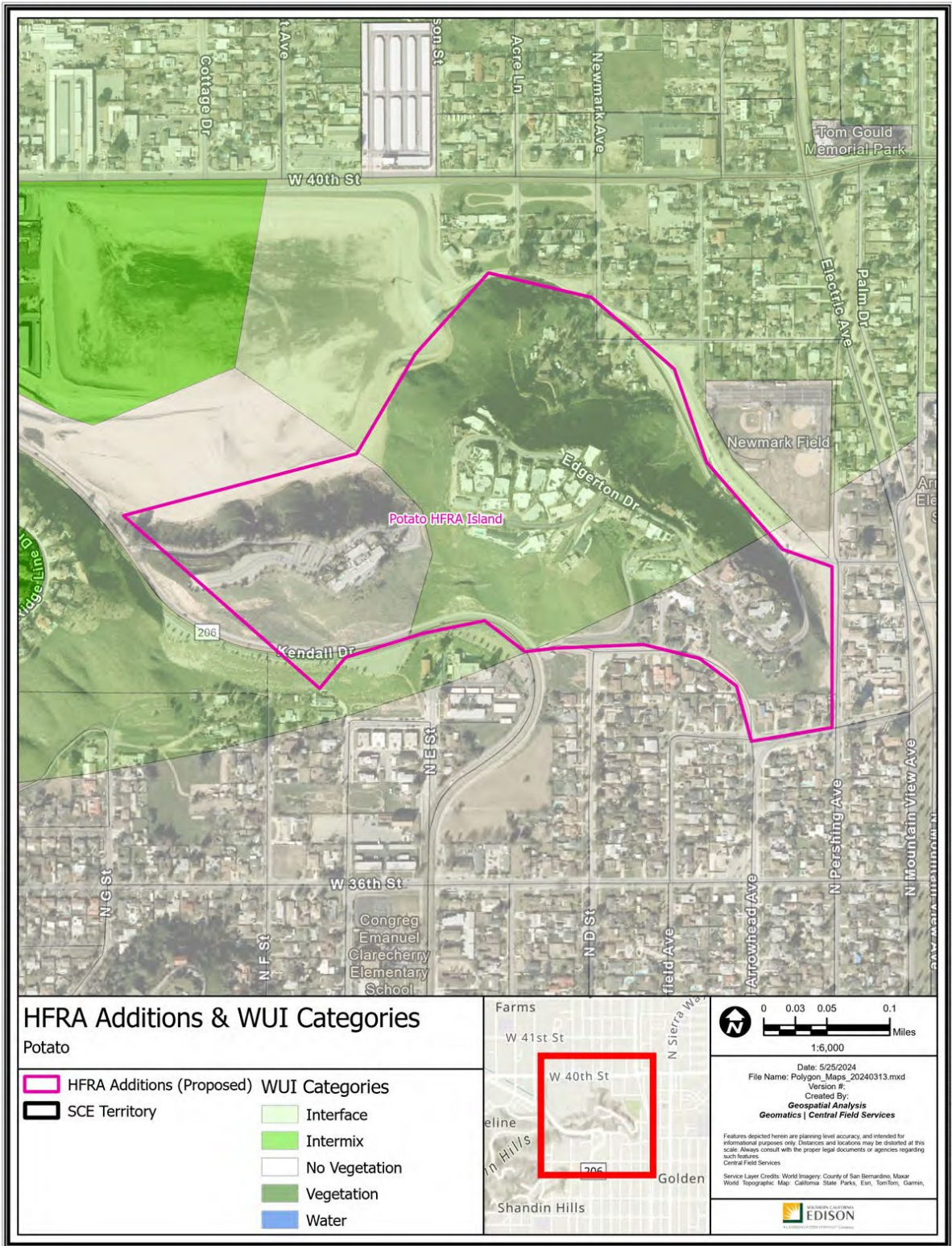
SCE proposes to include the Potato polygon as Tier 2 HFTD. This addition would extend existing Tier 2 HFTD to the edge of complex terrain, including a hilltop community of homes and moderate fuel loads consistent with adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. Land use and fuel in this polygon match the characteristics of Wildland-Urban Interface.
2. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
4. The boundary of the polygon is drawn along natural fire breaks such as roadways at the base of the hill.












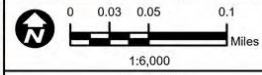
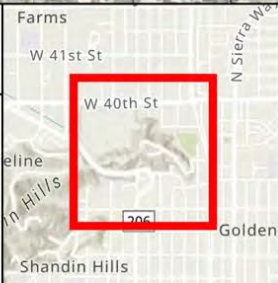
Path: P:\PROJECTS\Special_Productions\Projects\HFRA_Revision_Analysis\Polygon_Maps_20240313.aprx



HFRA Additions & WUI Categories

Potato

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



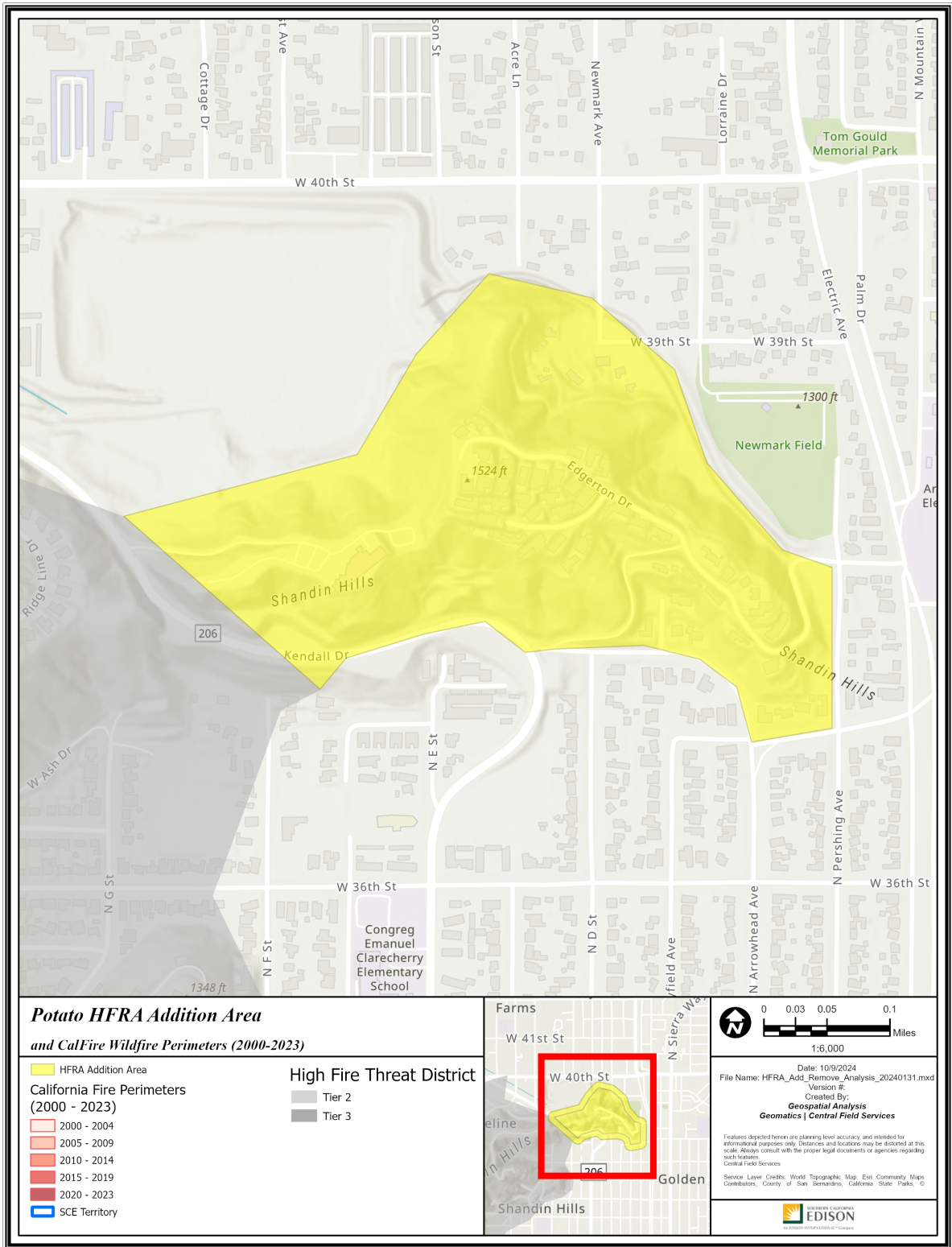
Date: 5/25/2024
 File Name: Polygon_Map_20240313.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Service Layer Credits: World Imagery: County of San Bernardino, Maxar World Topographic Map: California State Parks, Esri, TomTom, Garmin,



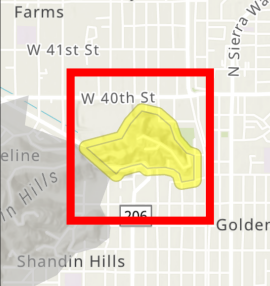
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**Potato HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
- California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
- SCE Territory

- High Fire Threat District**
- Tier 2
 - Tier 3



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

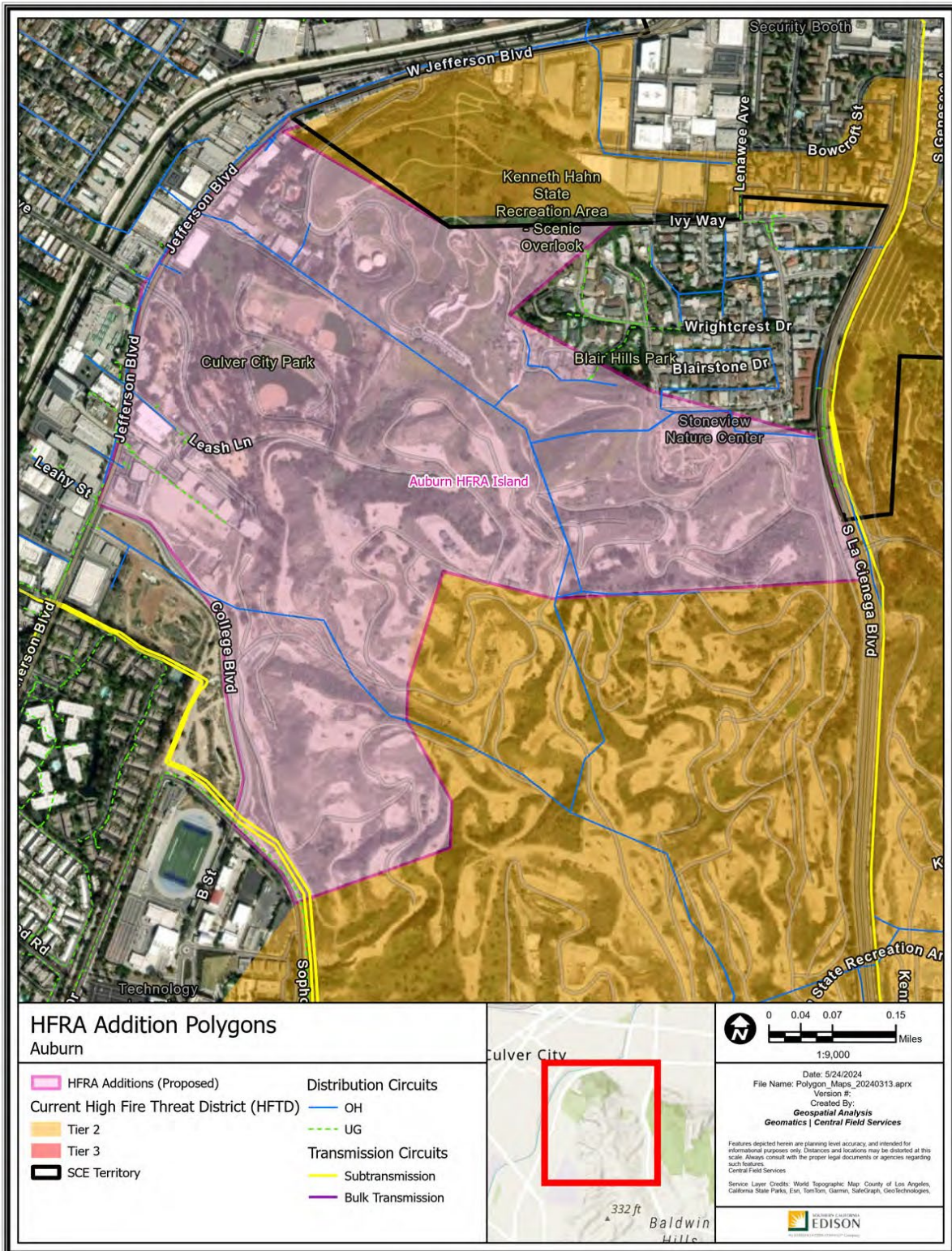
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Service Layer Credits: World Topographic Map, Esri Community Maps Contributors, County of San Bernardino, California State Parks, ©

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A14 – Auburn

Los Angeles County
 -118.382637, 34.01352
 245 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 57.8% | Moderate Load Dry Climate Grass Shrub |
| 12.5% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 9.7% | Low Load Humid Climate Timber Shrub |
| 6.3% | Minor Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|--------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 2.44 | 0.45 | 0.54 | 0 | 0 | 3.43 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 84 | 7.25° | 1: Very Low | 6% |

Recommendation:

SCE proposes to include the Auburn polygon as Tier 2 HFTD. This recommendation would bridge a gap between existing Tier 2 areas with moderately complex terrain and vegetation to the south and north. This recommendation is also supported by the following facts:

1. Land use and fuel in this polygon match the characteristics of wildland.
2. The boundary of the polygon is drawn along the edge of urban areas and College Blvd.
3. This polygon ends at SCE’s service territory boundary. However, SCE recommends connecting the thin line of non-HFTD just to the north of this polygon with the same terrain and fuels and elevated wildfire risk. This area is just outside of SCE’s service territory in Kenneth Hahn Recreation Area, as seen below:

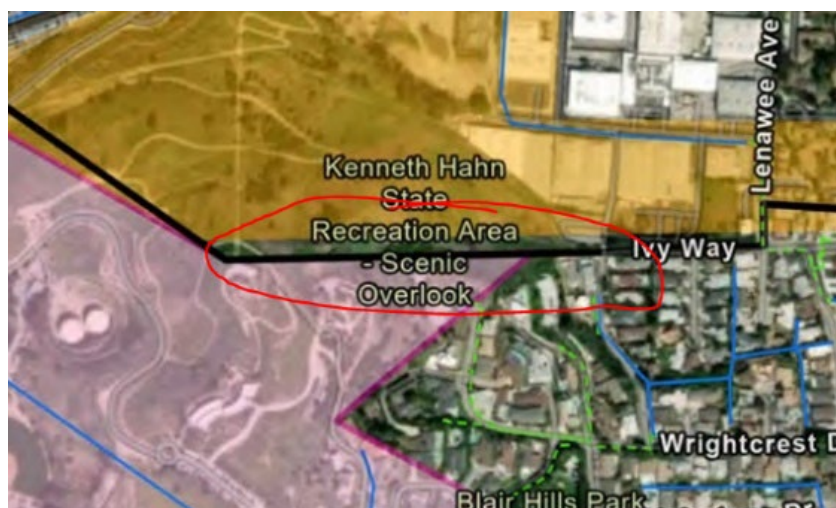
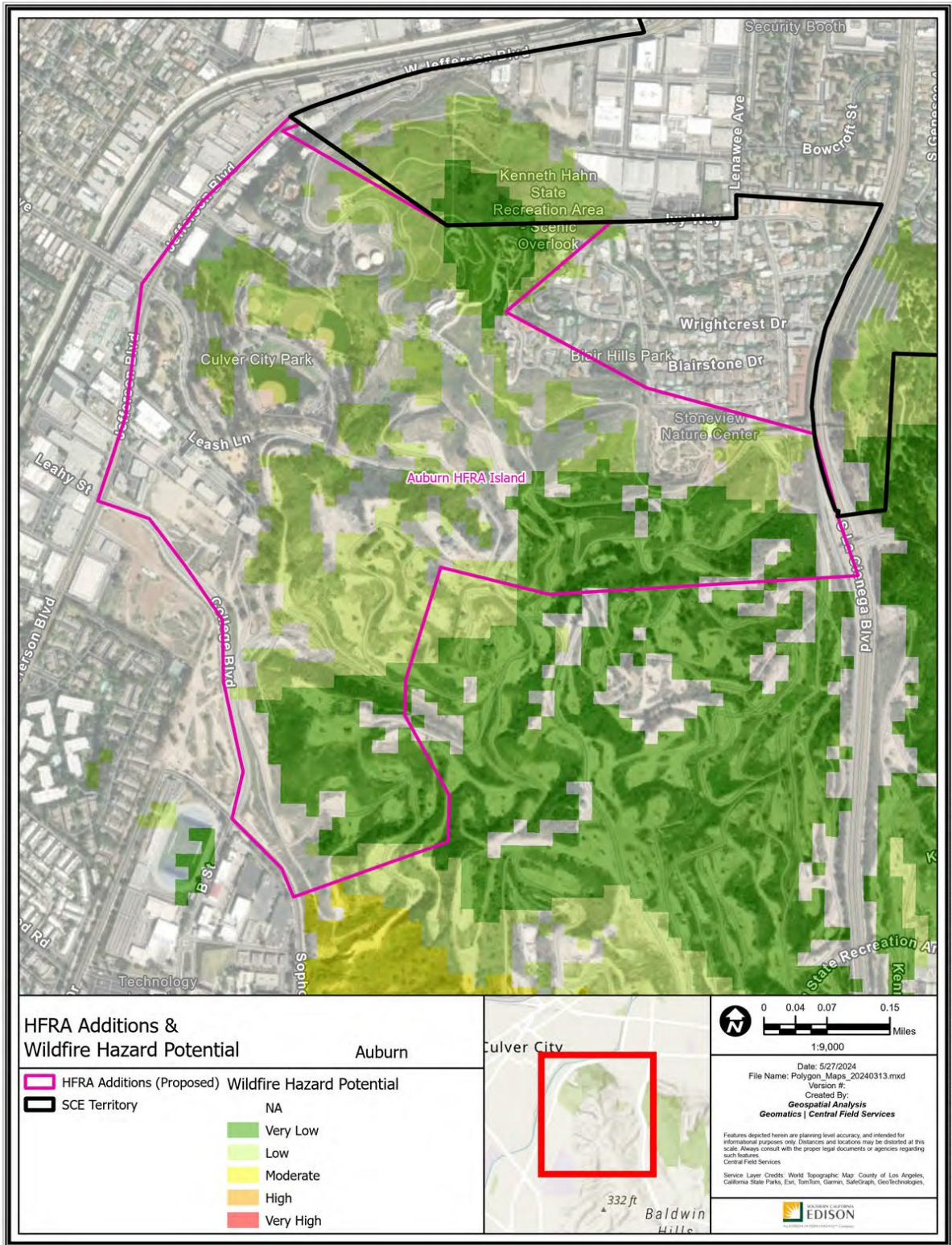
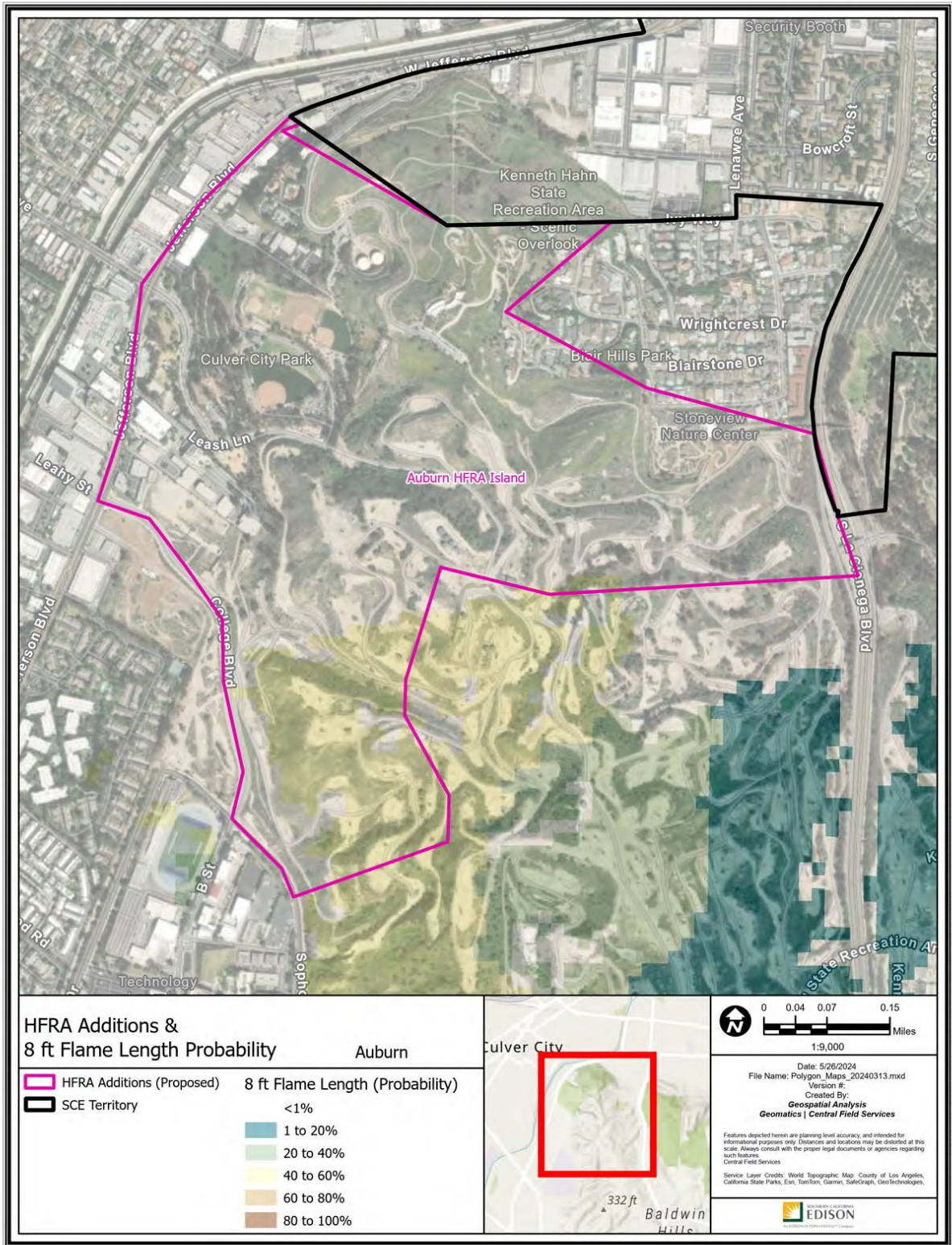


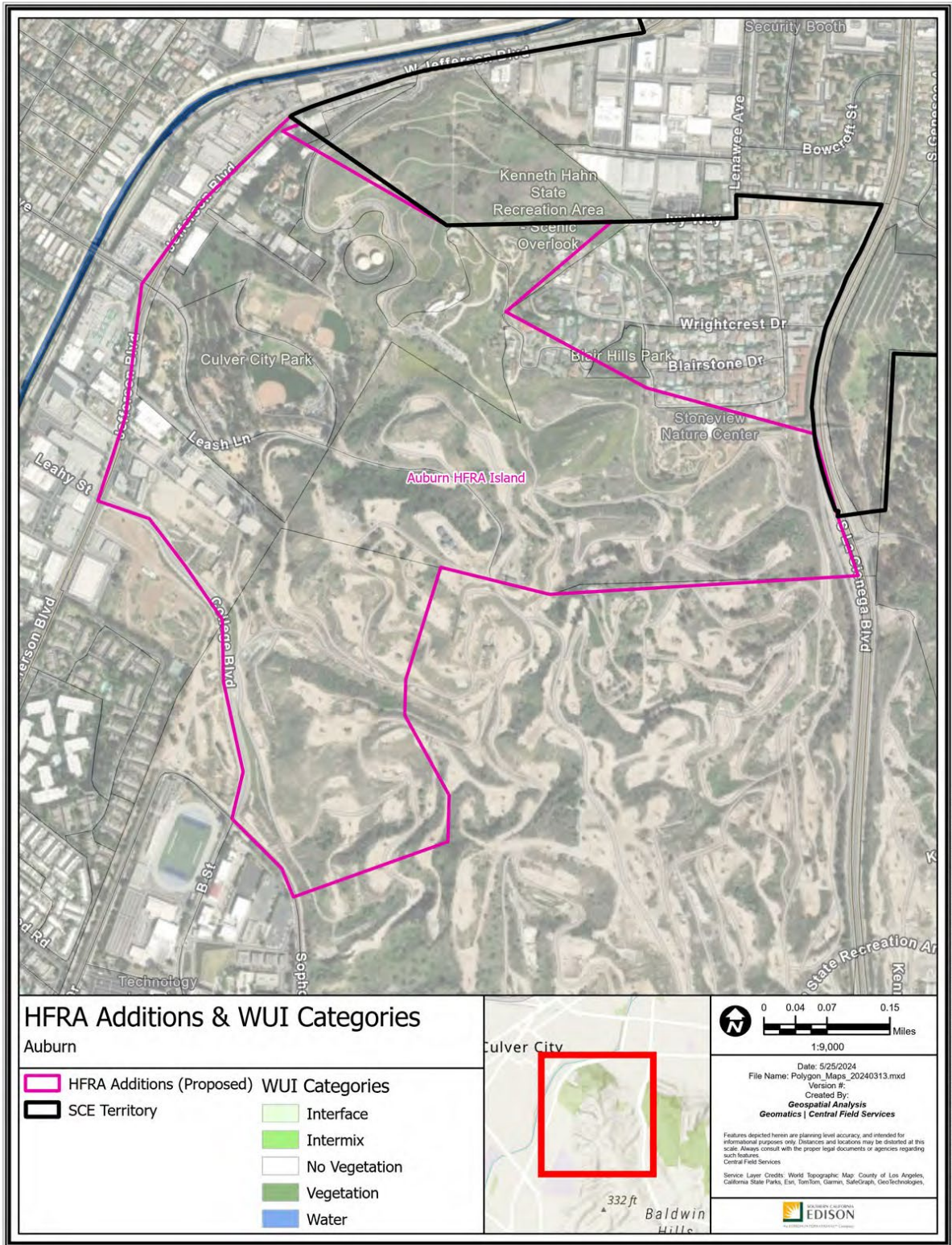
Figure 10 – thin line of non-HFTD outside of SCE territory recommended to be added to the HFTD



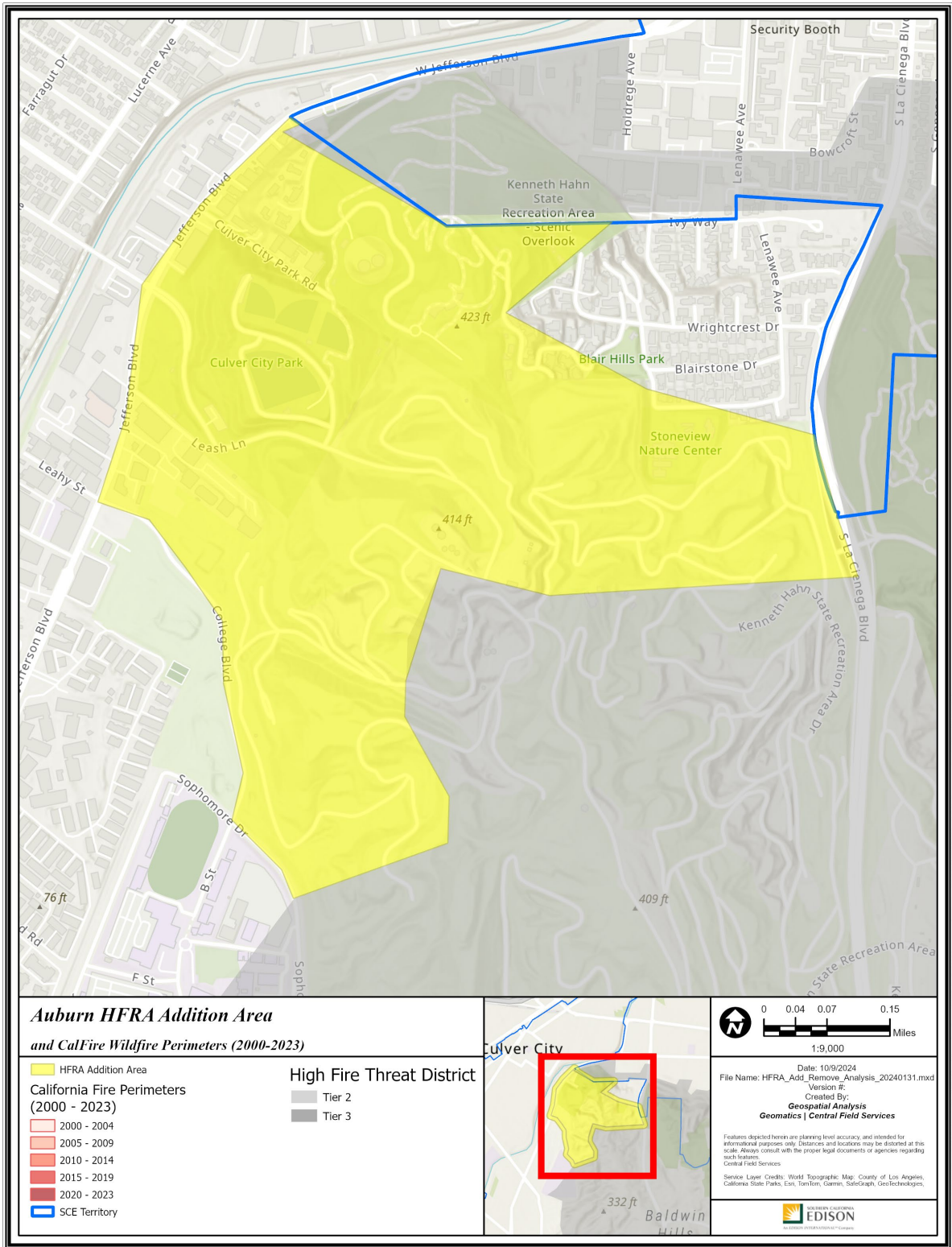
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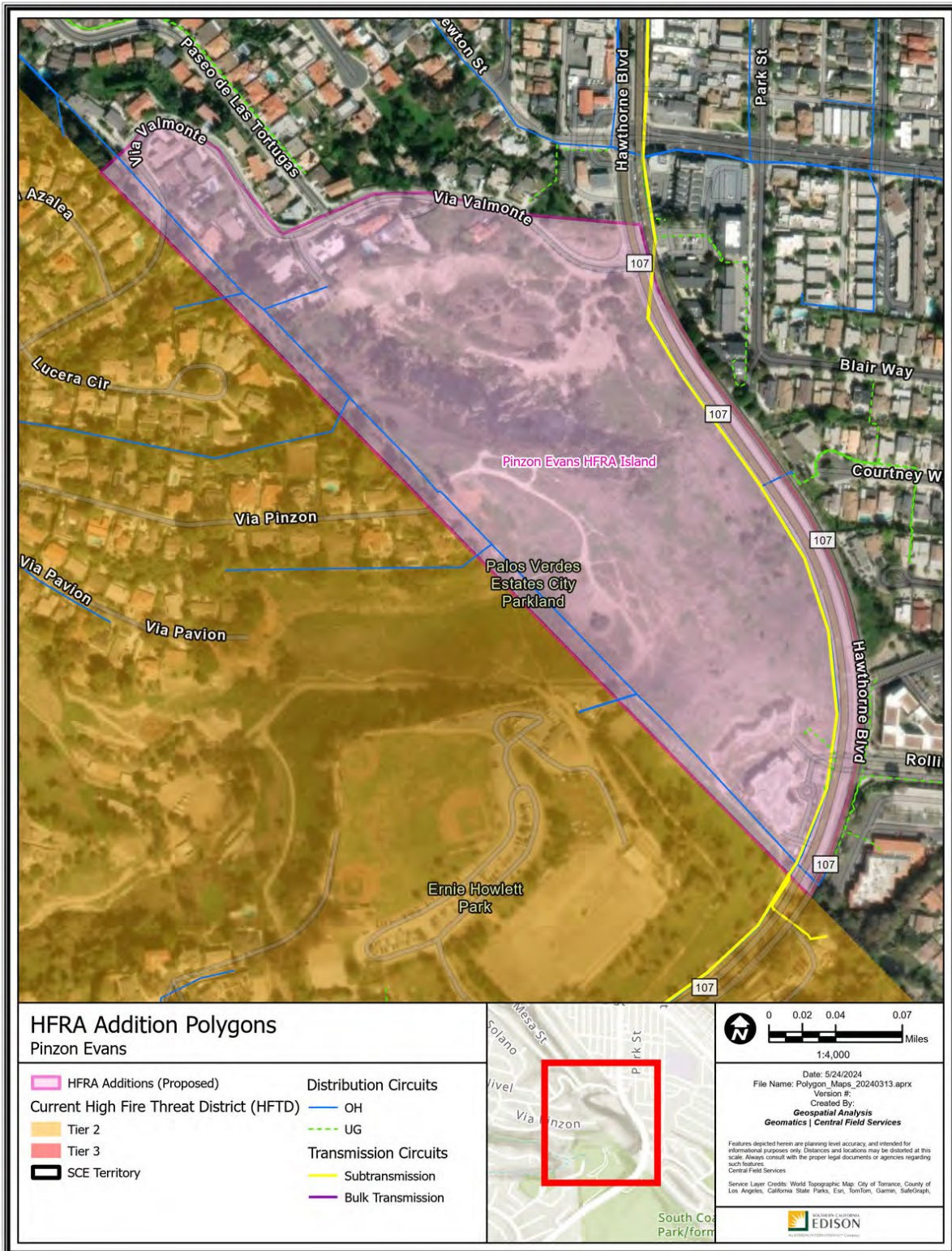


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A15 – Pinzon Evans

Los Angeles County
 -118.351721, 33.796928
 39 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|----------------------------------|--|
| 63.4% | Moderate Load Dry Climate Grass Shrub |
| 9.2% | Major Roads Surrounded by Low Fire Behavior Fuel |
| 6.9% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 6.1% | Minor Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|-------------------------------------|---------------|-------------------|--------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|-----------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.98 | 0.05 | 0.7 | 0 | 0 | 1.73 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 27 | 11° | 1: Very Low | 5% |

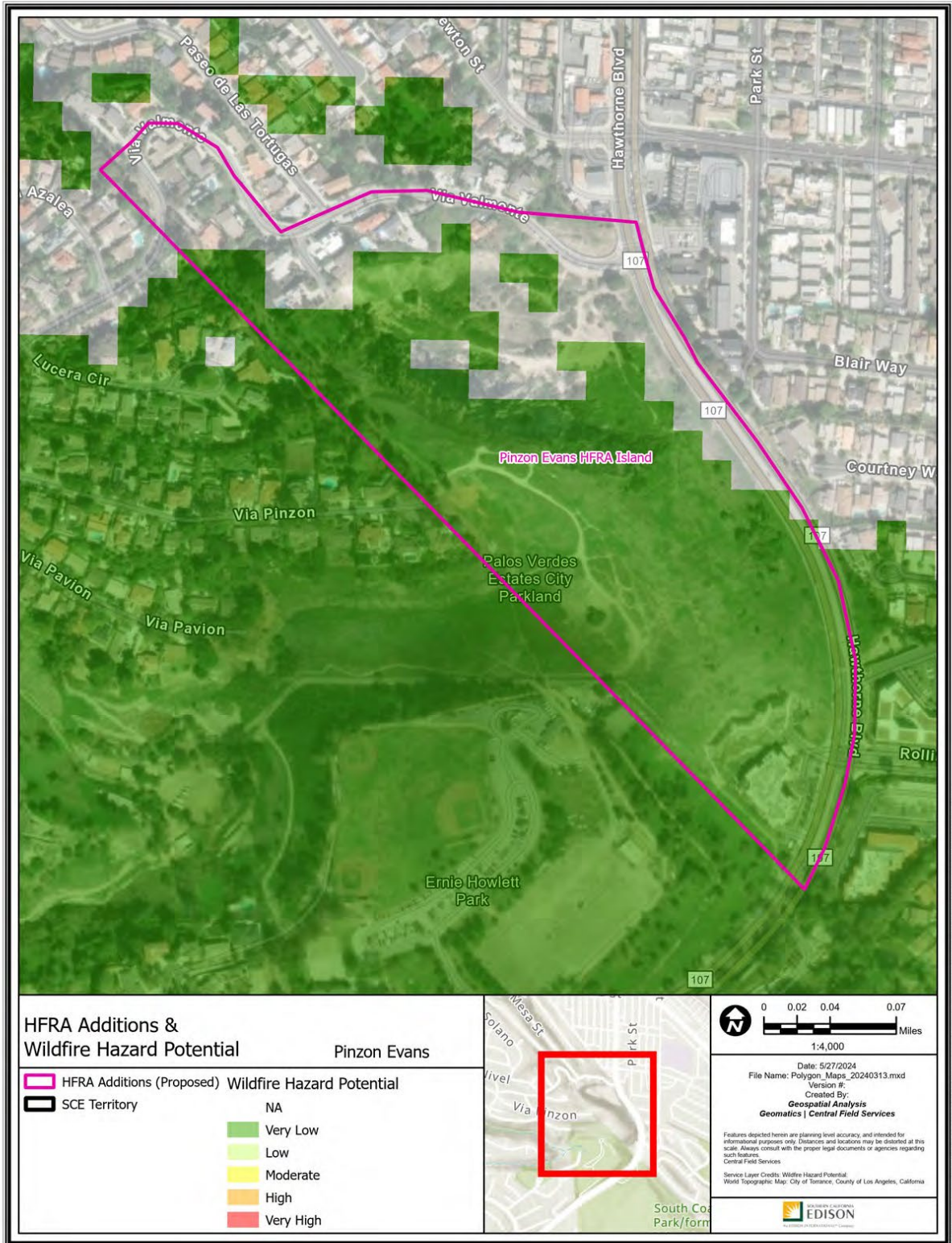
Recommendation:

SCE proposes to include the Pinzon Evans polygon as Tier 2 HFTD. This would extend existing Tier 2 HFTD to encompass a small undeveloped hill with moderate fuel loads, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

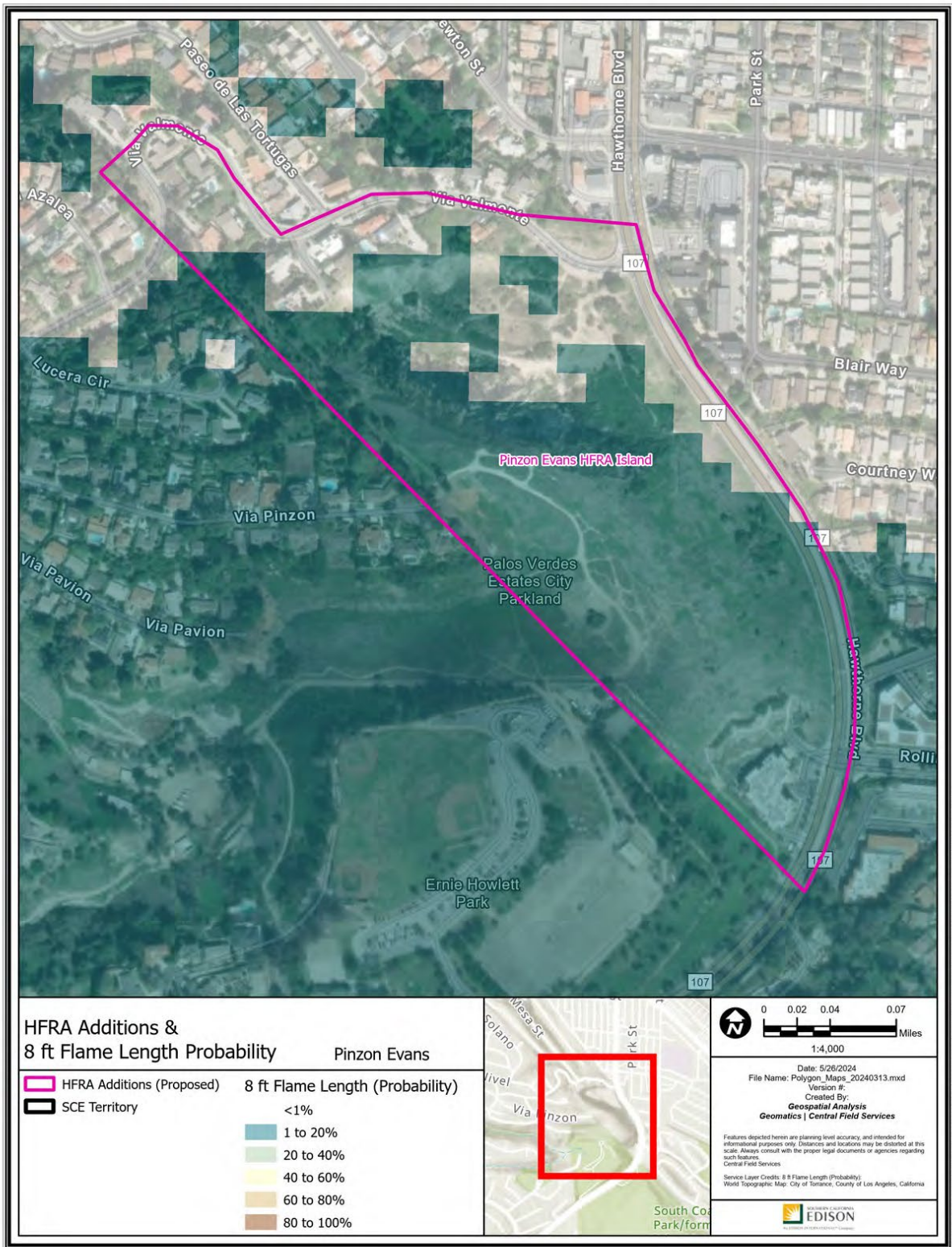
1. Land use and fuel in this polygon match the characteristics of wildlands bordering Wildland-Urban Intermix, including residential lots without a natural firebreak.
2. Wildland-Urban Intermix in this polygon and adjacent, existing Tier 2 HFTD presents elevated wildfire risk as fires may spread to man-made structures.
3. Boundaries of this polygon are drawn along the Hawthorne Blvd and Via Valmonte as firebreaks.



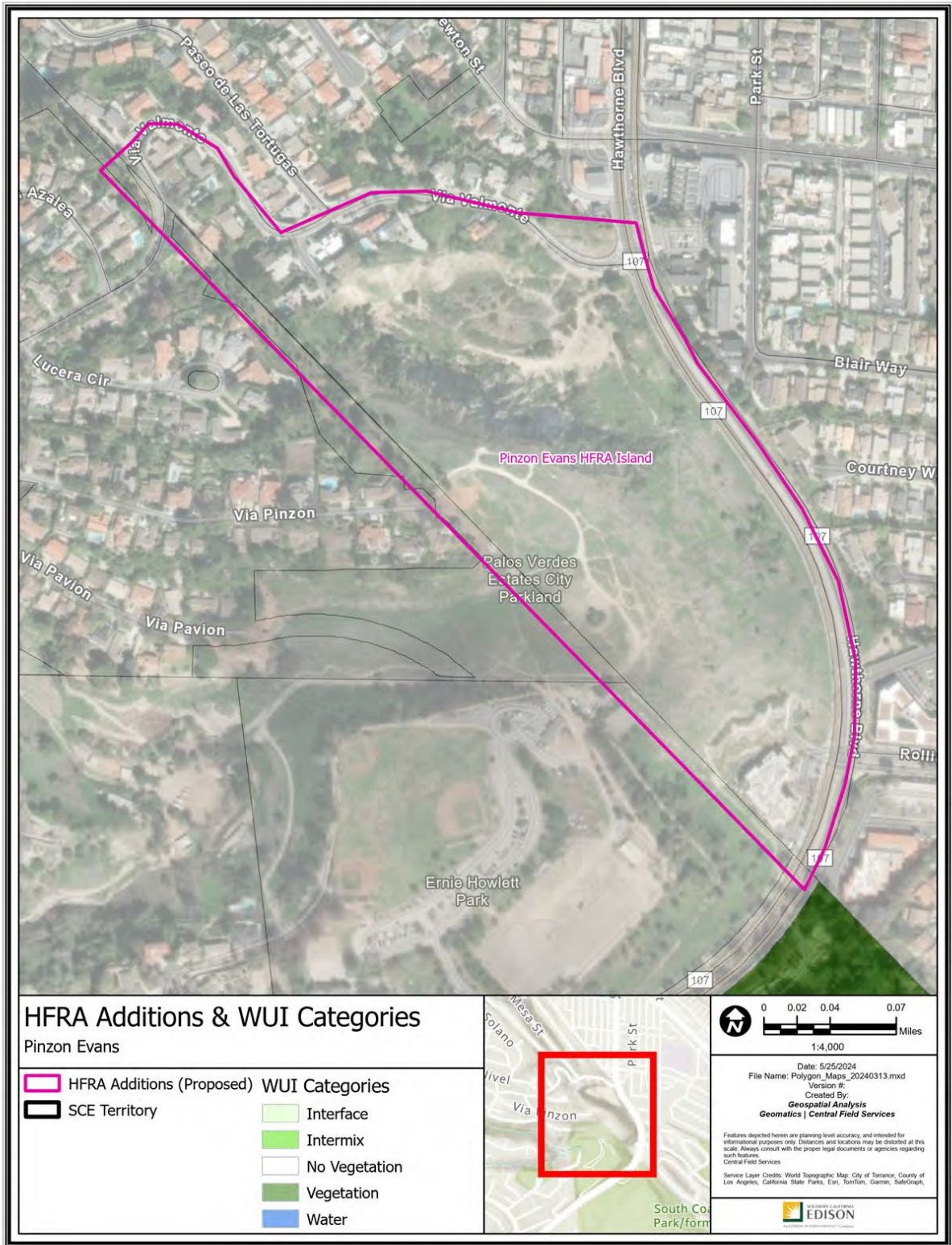
Figure 11 - Pinzon Evans - Google Street View 6/2022



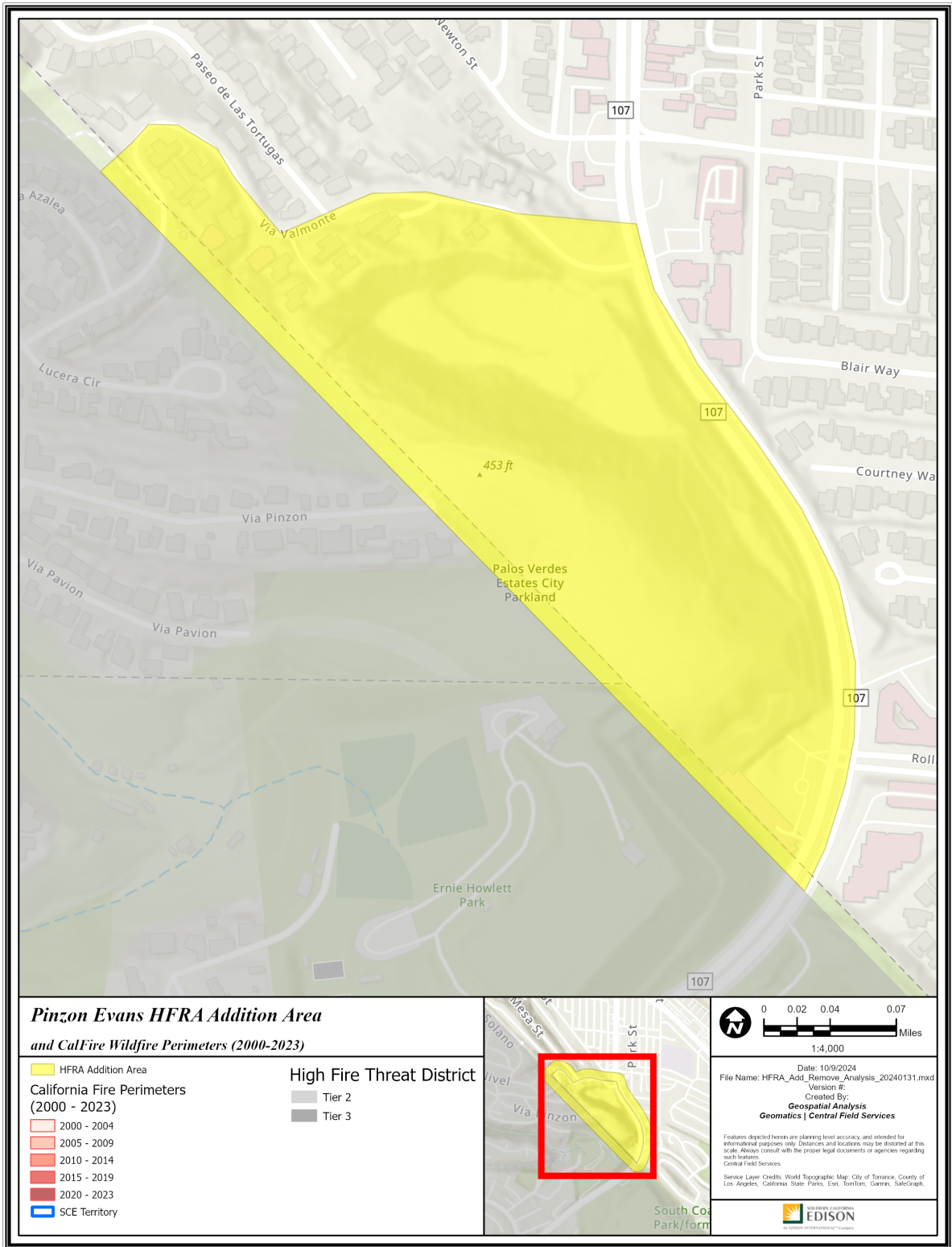
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**Pinzon Evans HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
- California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
- SCE Territory

High Fire Threat District

- Tier 2
- Tier 3

0 0.02 0.04 0.07 Miles
1:4,000

Date: 10/9/2024
File Name: HFRA_Add_Remove_Analysis_20240131.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Central Field Services
Service Layer Credits: World Topographic Map: City of Torrance, County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph.

EDISON
AN ESCALANTE TECHNOLOGIES COMPANY

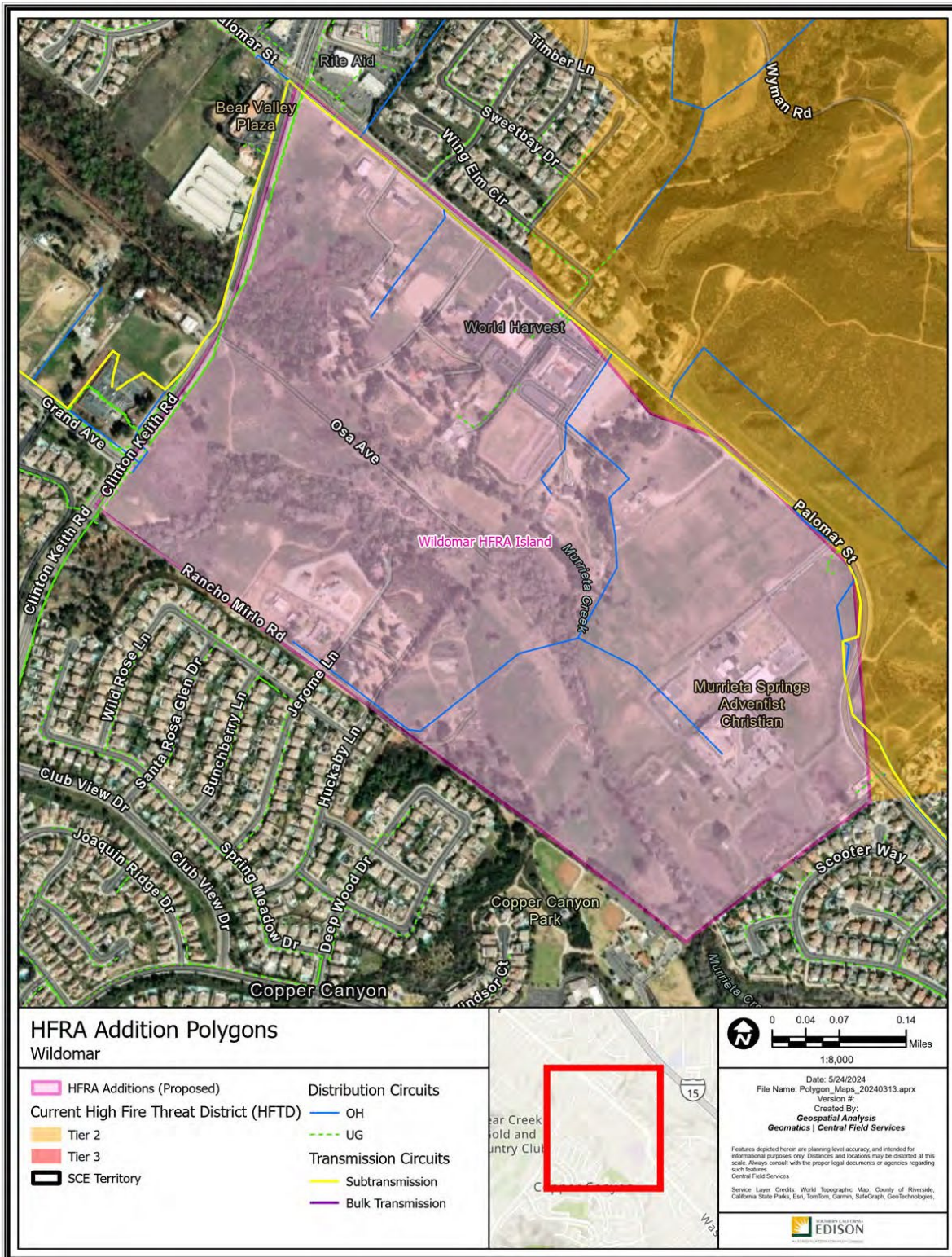
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A16 – Wildomar

Riverside County

-117.2483, 33.582369

229 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 61.4% | Moderate Load Dry Climate Grass Shrub |
| 9.3% | Low Load Dry Climate Grass |
| 6.6% | Low Load Humid Climate Timber Shrub |
| 5.5% | Minor Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 99.0% | 0.6% | 0.4% | 0.0% | 0.0% | 100% |

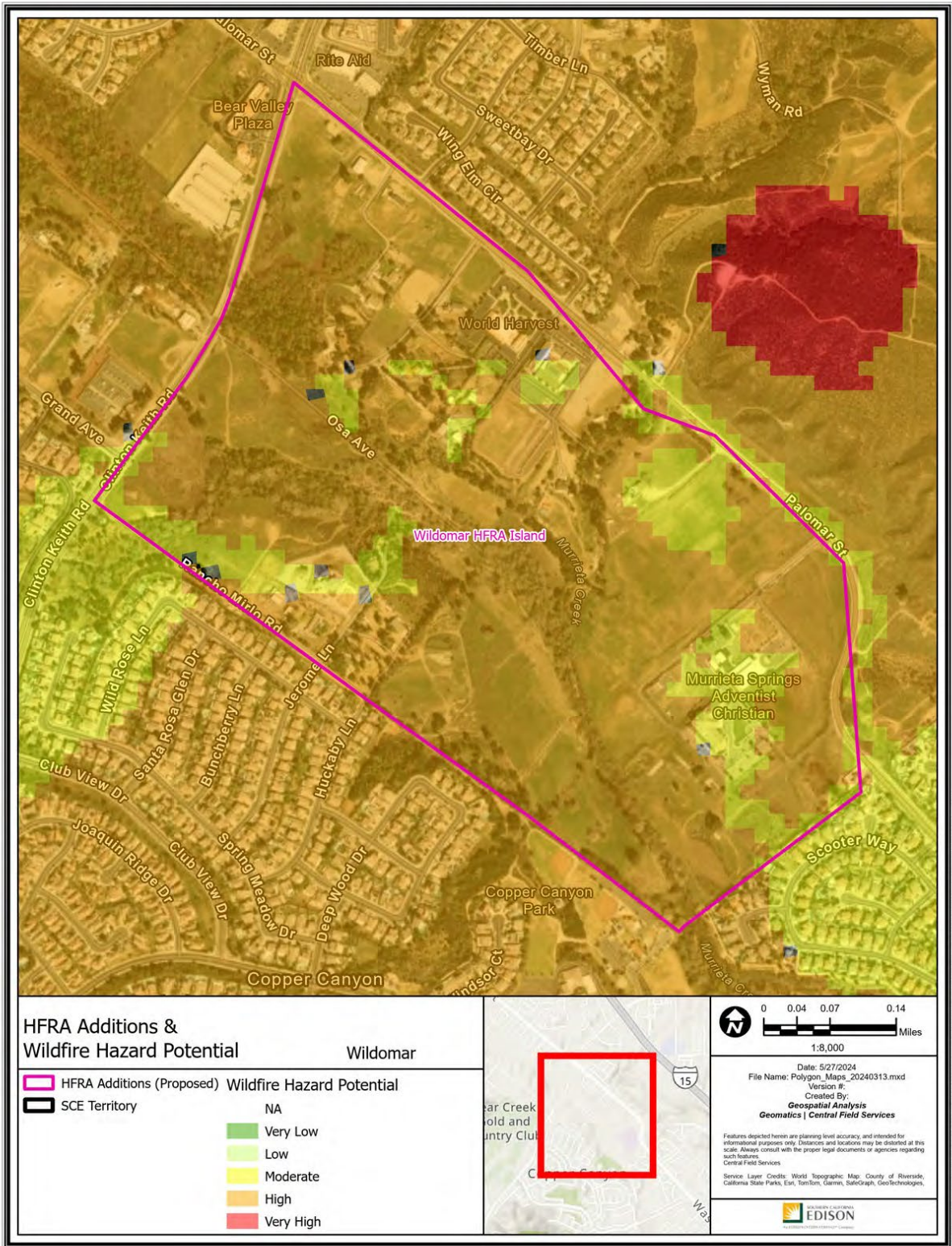
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 2.3 | 1.88 | 0.51 | 0 | 0 | 4.69 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 43 | 1.15° | 4: High | 7% |

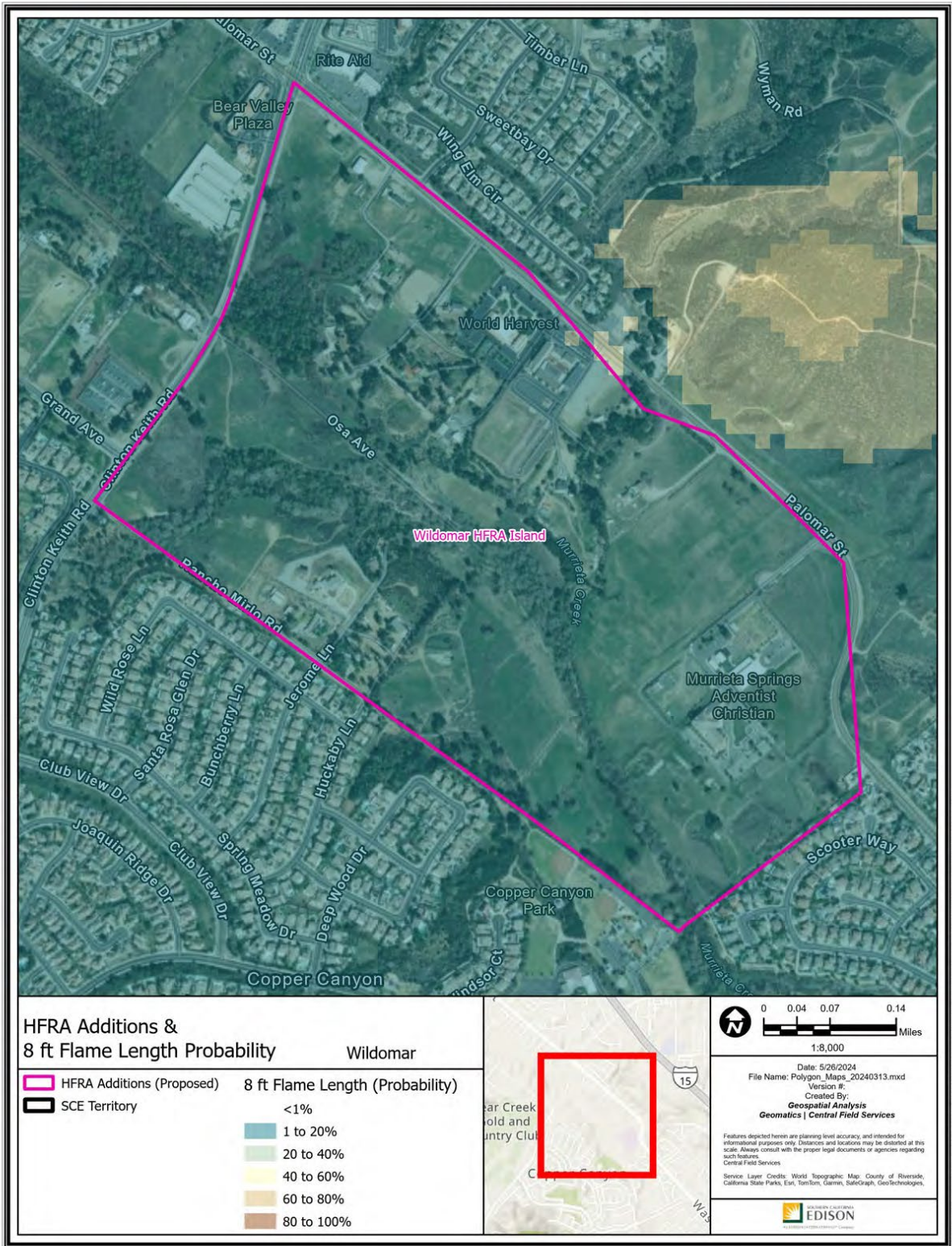
Recommendation:

SCE proposes to include the Wildomar polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into unmaintained and unirrigated moderate load fuels, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

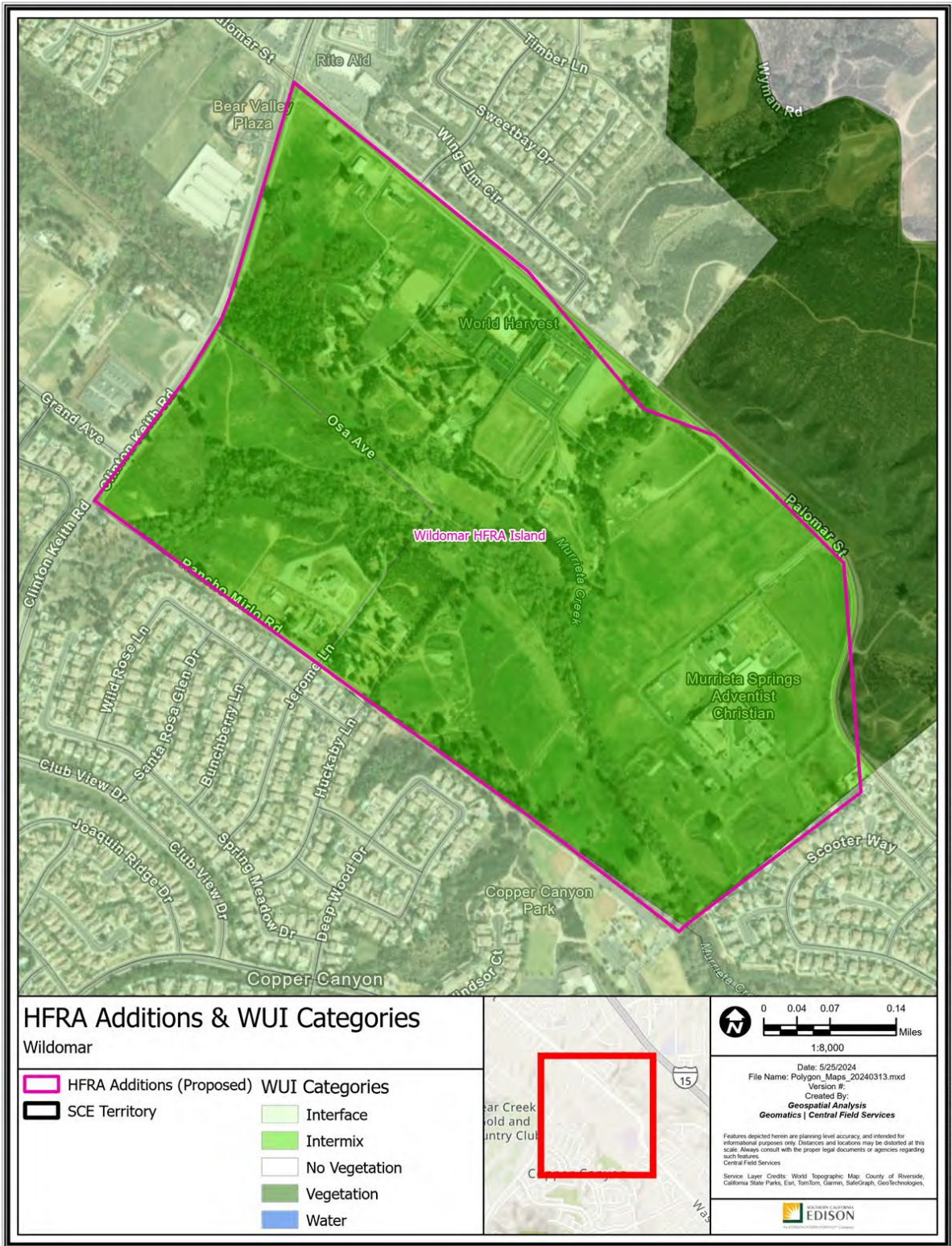
1. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
2. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
3. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
4. The boundaries of this polygon are drawn along the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.

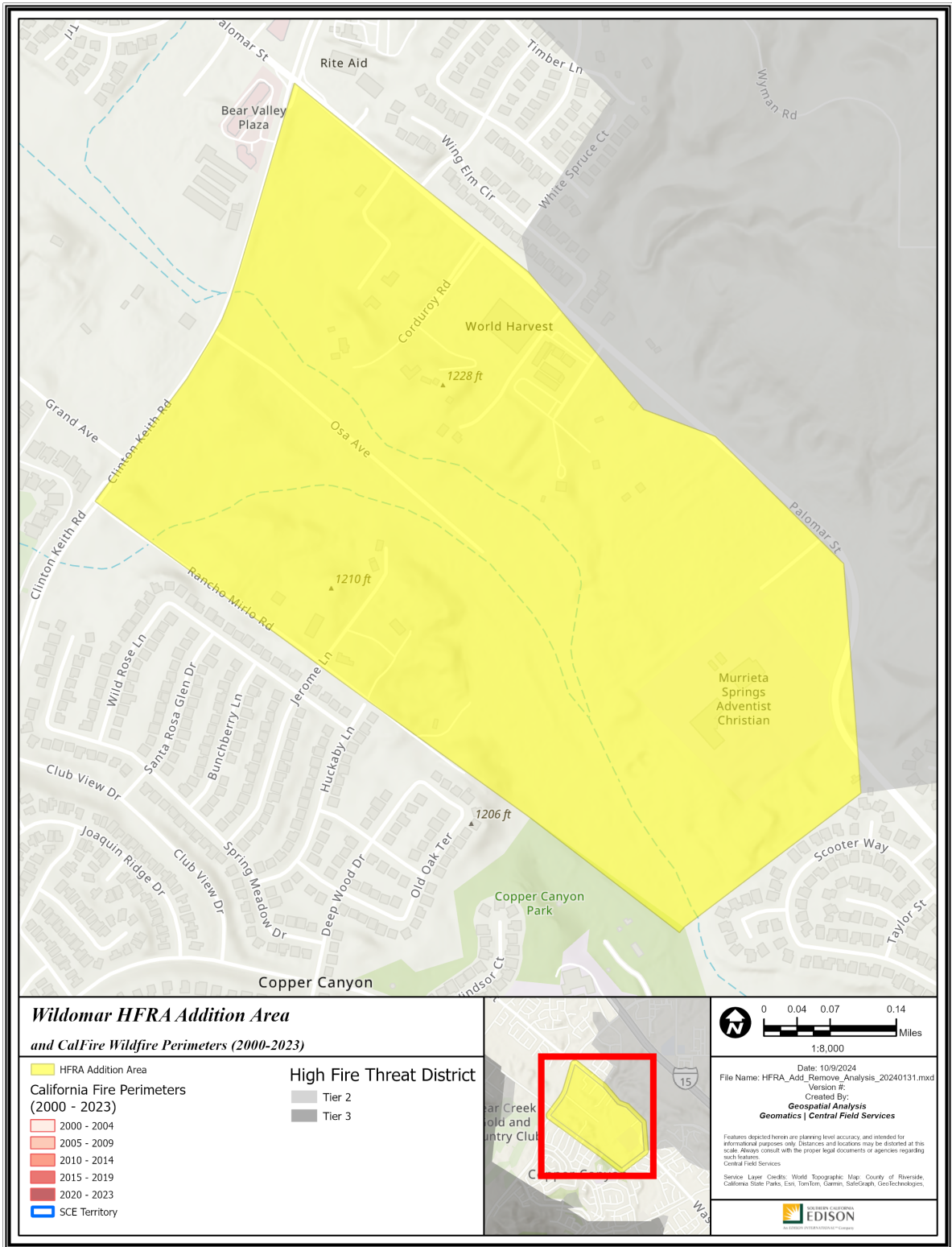


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**Wildomar HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**


- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
- Tier 2
 - Tier 3

0 0.04 0.07 0.14 Miles
1:8,000

Date: 10/9/2024
File Name: HFRA_Add_Remove_Analysis_20240131.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Central Field Services

Service Layer Credits: World Topographic Map, County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies.



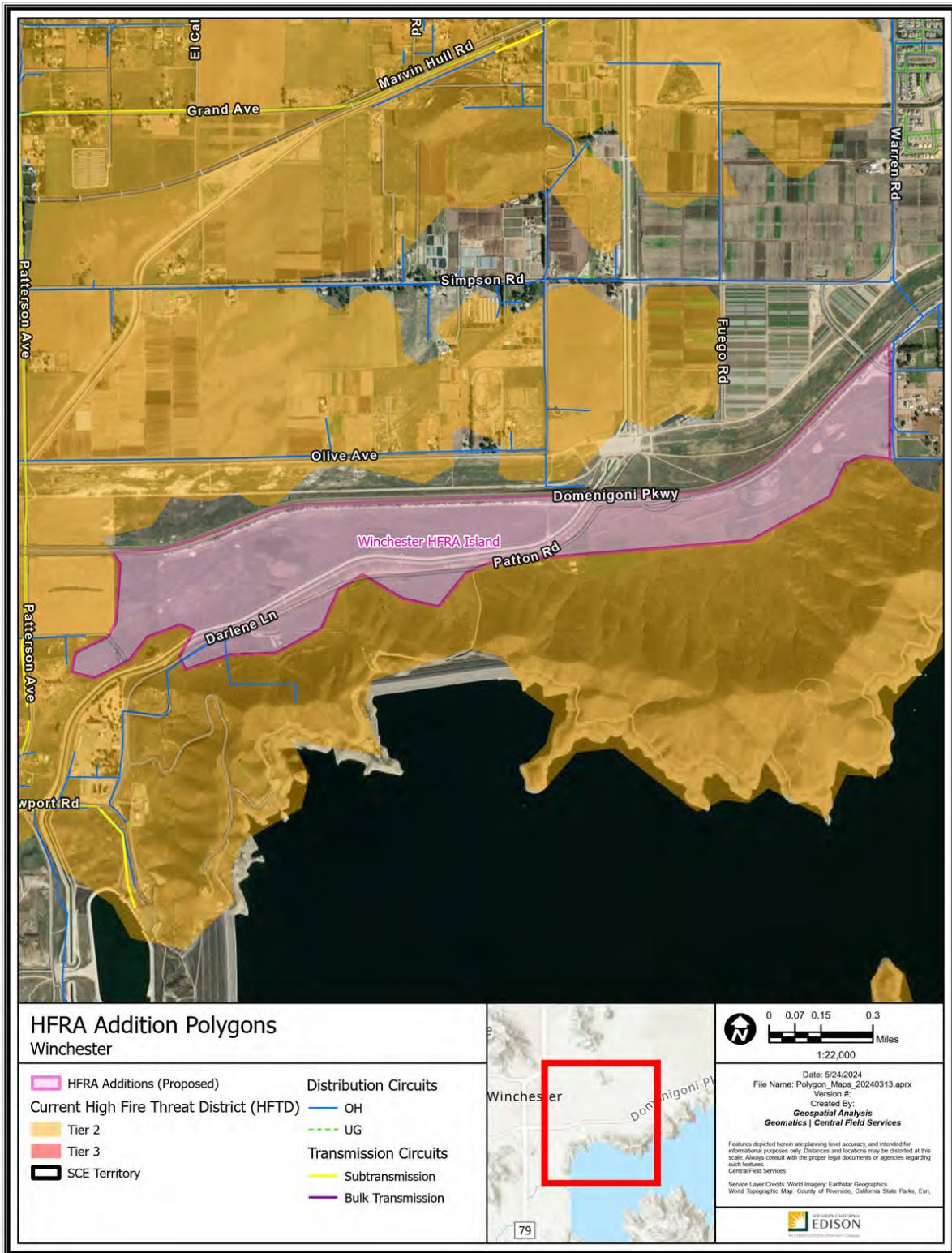
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A17 – Winchester

Riverside County

-117.05456, 33.696619

363 Acres



Path: P:\PROJECTS\Geospatial_Projects\HFRA_Terrain_Analysis\Polygon_Maps_20240313.aprx

Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---|
| 57.6% | Low Load Dry Climate Grass |
| 24.9% | Moderate Load Dry Climate Grass Shrub |
| 8.2% | Agricultural High Load Fuels with Seasonal Changes of its Burnability |
| 6.5% | Bare Ground |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.4% | 0.0% | 47.3% | 52.3% | 0.0% | 100% |

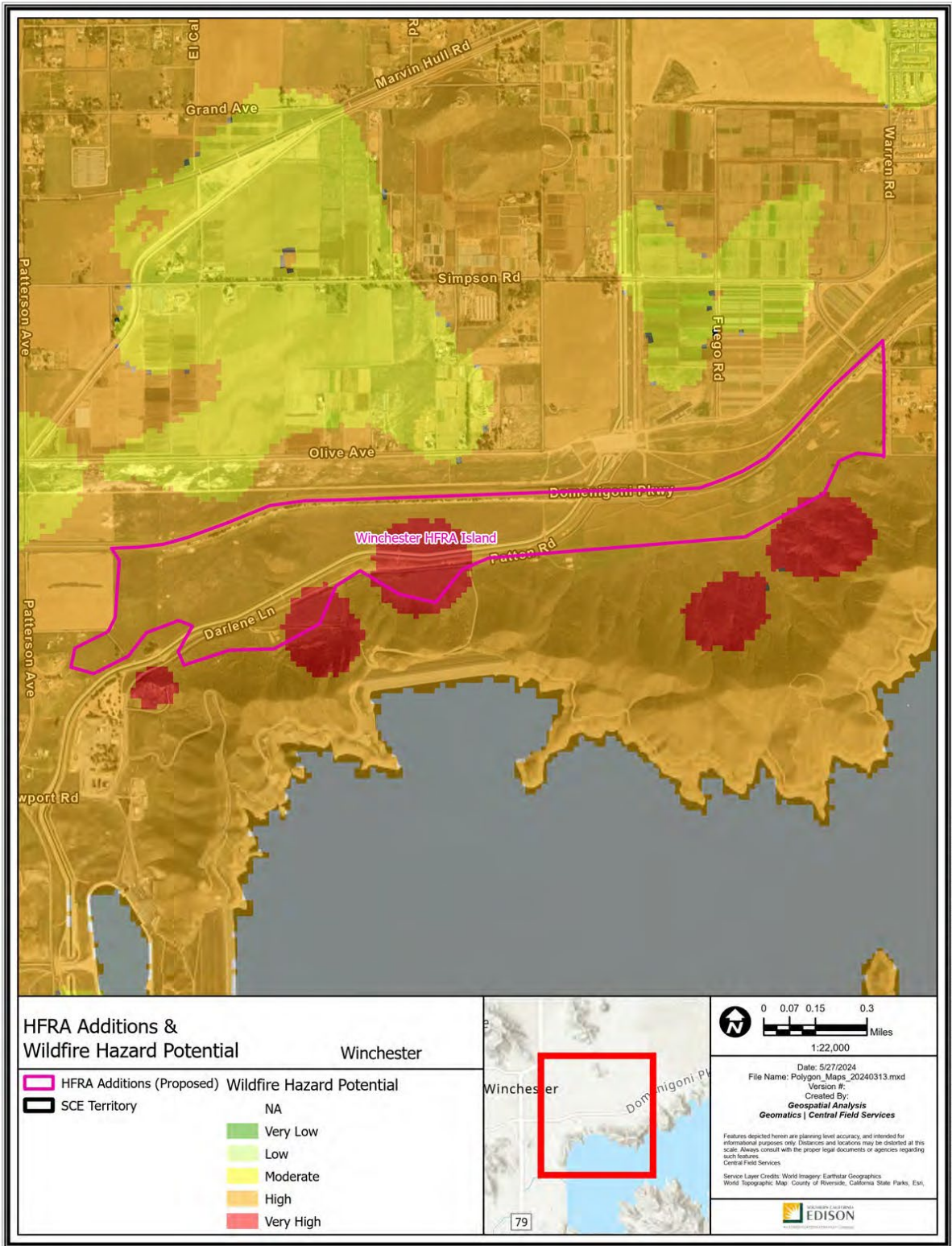
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.37 | 0 | 0 | 0 | 0 | 0.37 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 1 | 1.91° | 4: High | 12% |

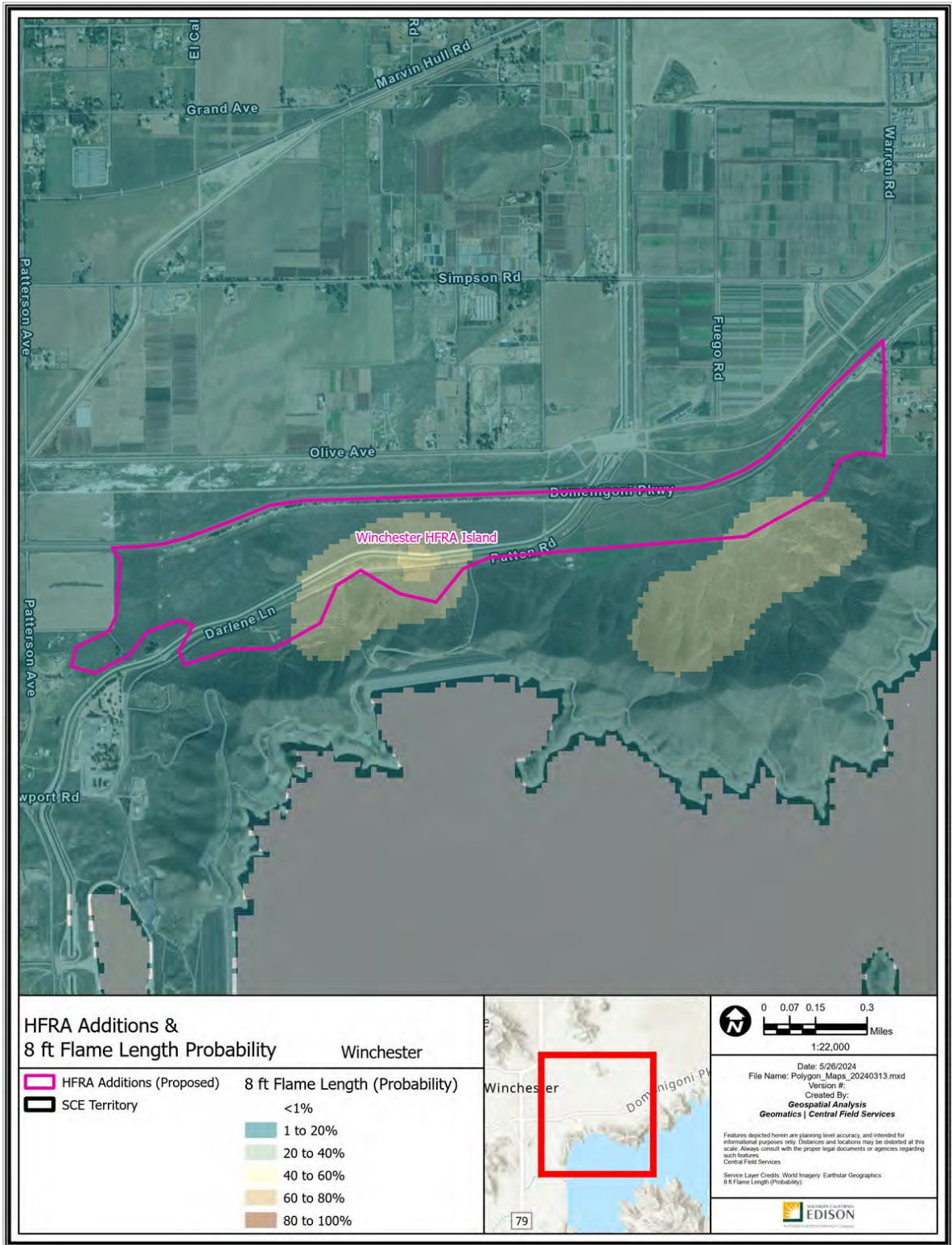
Recommendation:

SCE proposes to include the Winchester polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary across continuous moderate loads, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

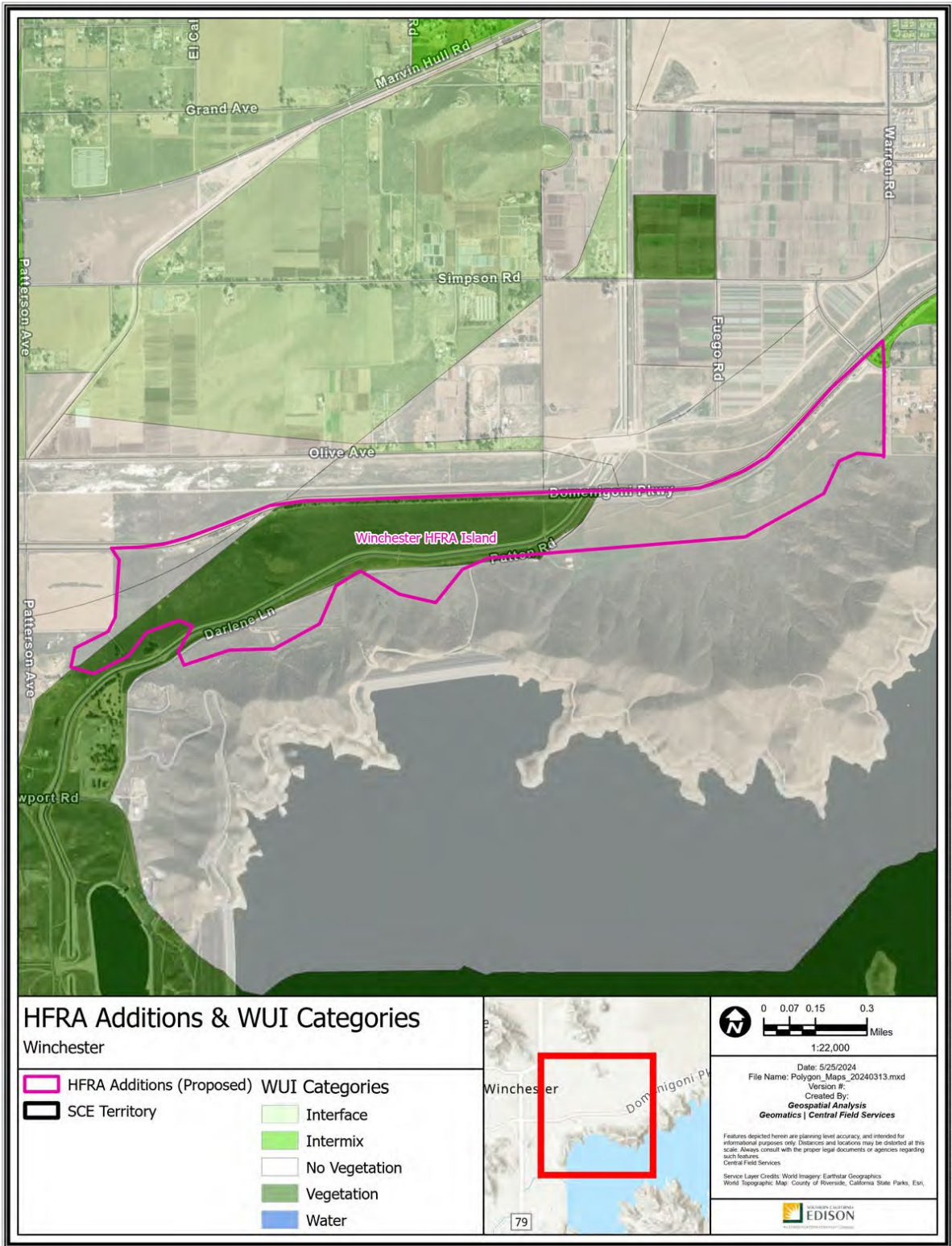
1. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
2. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
3. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
4. SCE is also recommending areas northwest of this polygon to be removed from the HFTD (see R46 - Winchester West and R47 - Winchester East), making Domenigoni Parkway a suitable firebreak.



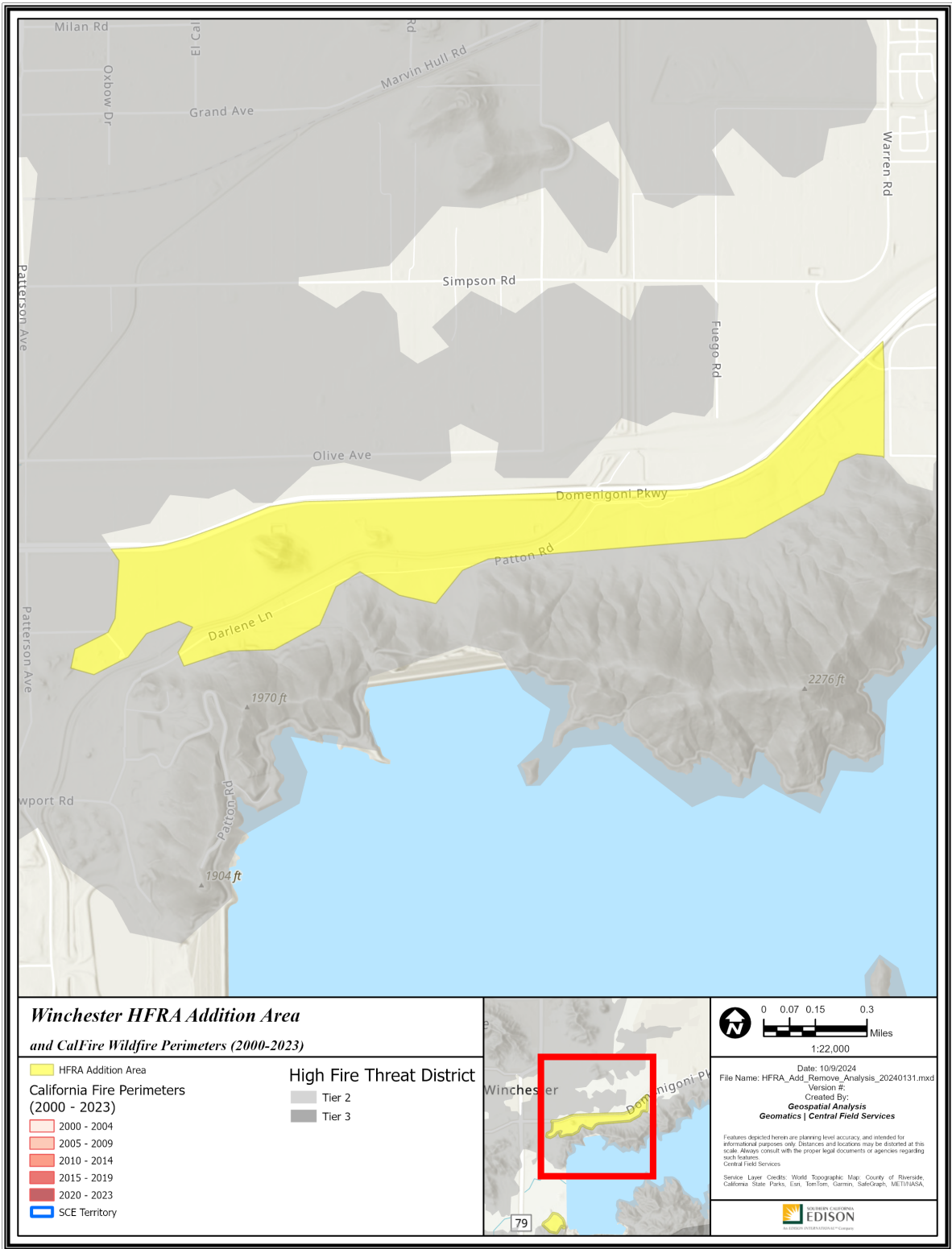
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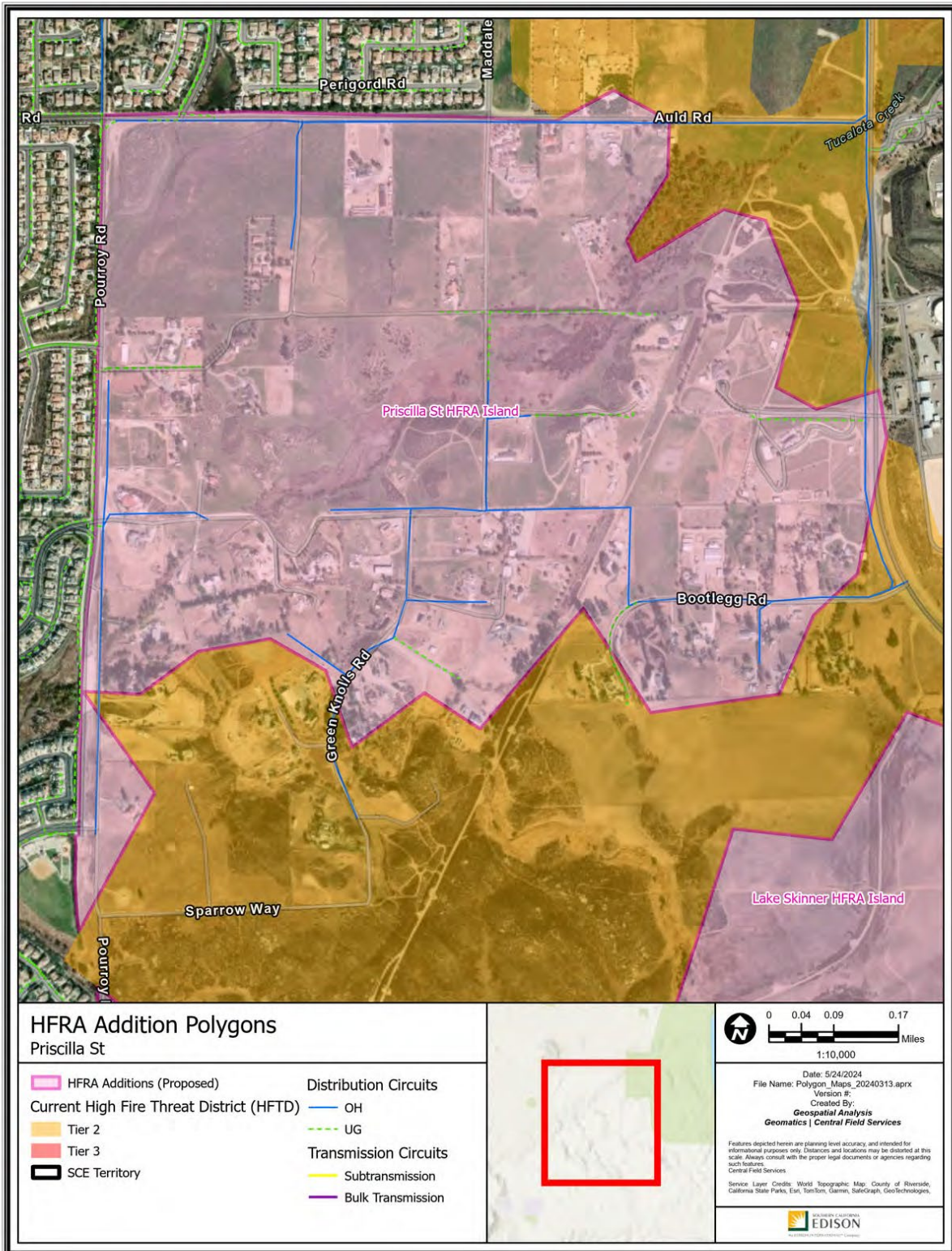
Path: P:\PROJECTS\Special_Projects\HFRA_Add_Remove_Analysis_20240131\HFRA_Add_Remove_Analysis_20240131.aprx

A18 – Priscilla St

Riverside County

-117.093444, 33.577868

450 Acres



Path: P:\PROJECTS\Special_Productions\HFRA_Analysis\Polygon_Maps_20240313.aprx

Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---|
| 73.8% | Moderate Load Dry Climate Grass Shrub |
| 8.9% | Low Load Dry Climate Grass |
| 6.6% | Agricultural High Load Fuels with Seasonal Changes of its Burnability |
| 3.8% | Minor Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 99.5% | 0.5% | 0.1% | 0.0% | 0.0% | 100% |

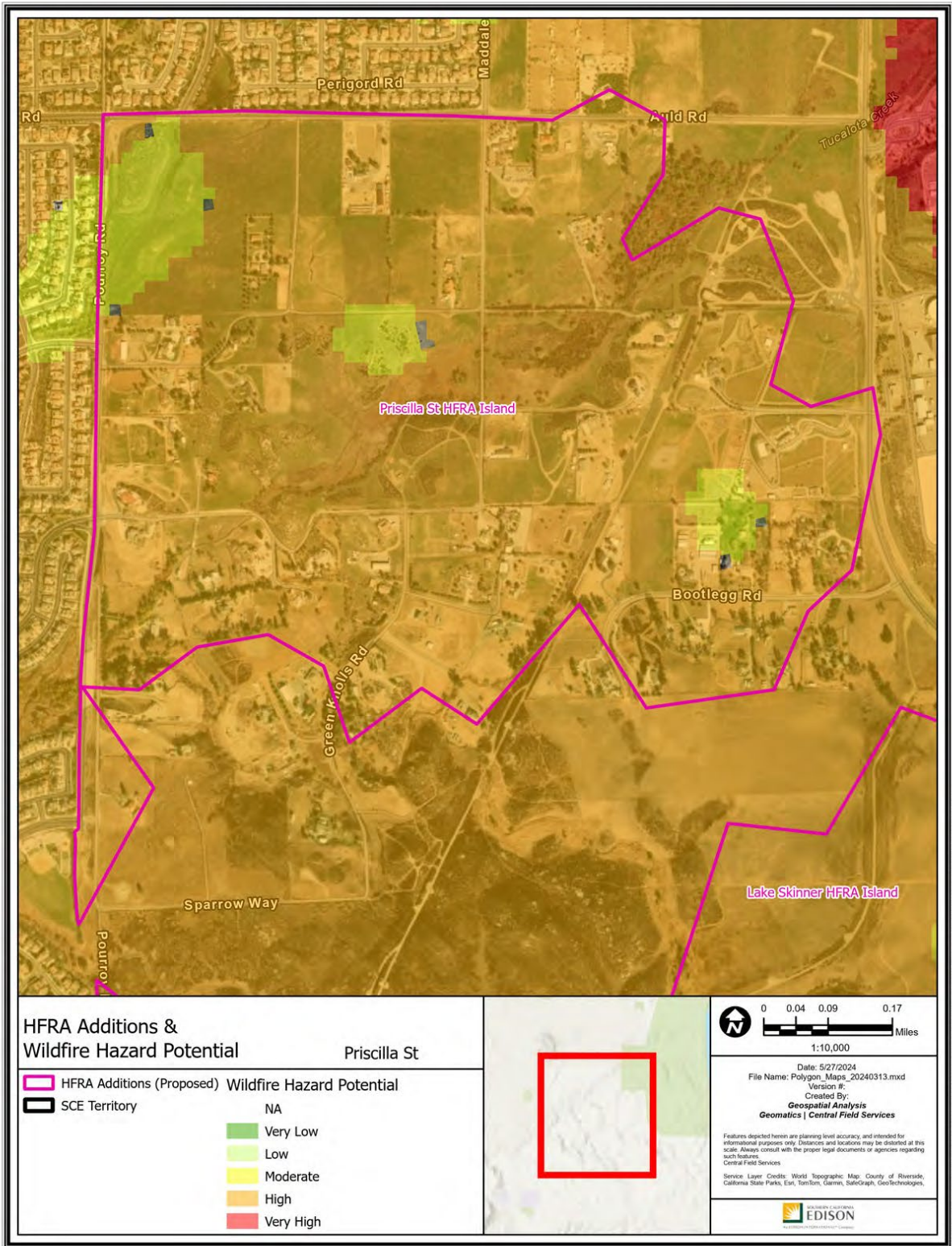
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 3.95 | 1.28 | 0 | 0 | 0 | 5.23 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 63 | 1.52° | 4: High | 3% |



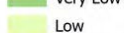


Recommendation:

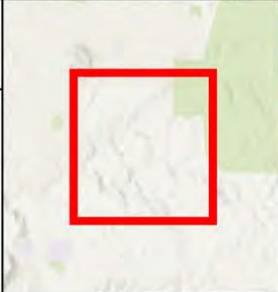
SCE proposes to include the Priscilla St polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into moderate fuel loads, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
2. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
3. Polygon boundaries are drawn along Pourroy Road and Auld Road as firebreaks from the dense urban neighborhoods.



HFRA Additions & Wildfire Hazard Potential

- | | | | |
|---|---------------------------|---|---------------------------|
|  | HFRA Additions (Proposed) |  | Wildfire Hazard Potential |
|  | SCE Territory |  | Very Low |
| | |  | Low |
| | |  | Moderate |
| | |  | High |
| | |  | Very High |




Priscilla St

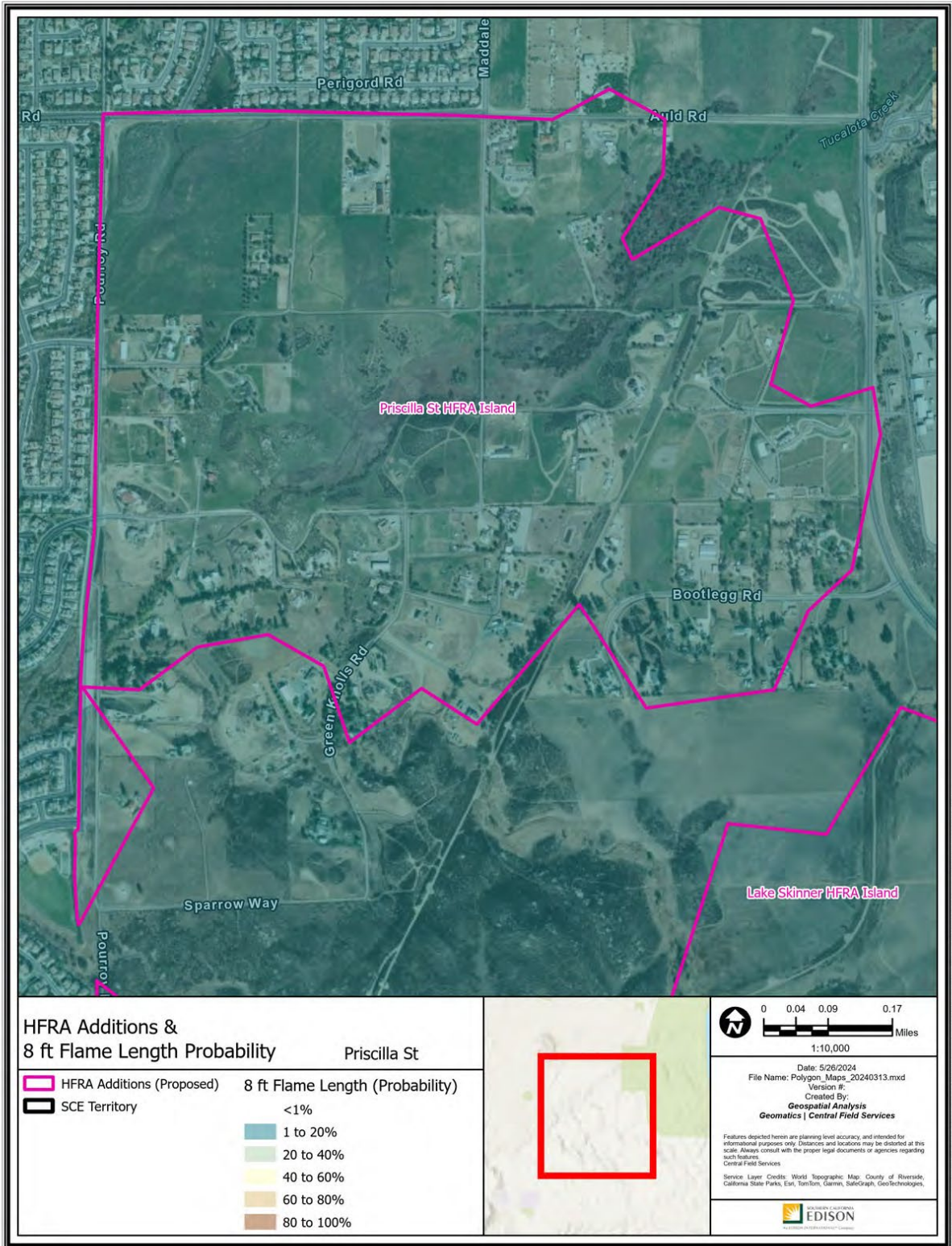
0 0.04 0.09 0.17 Miles
1:10,000

Date: 5/27/2024
File Name: Polygon_Maps_20240313.mxd
Version #: 1
Created By: Geospatial Analysis
Geomatics | Central Field Services

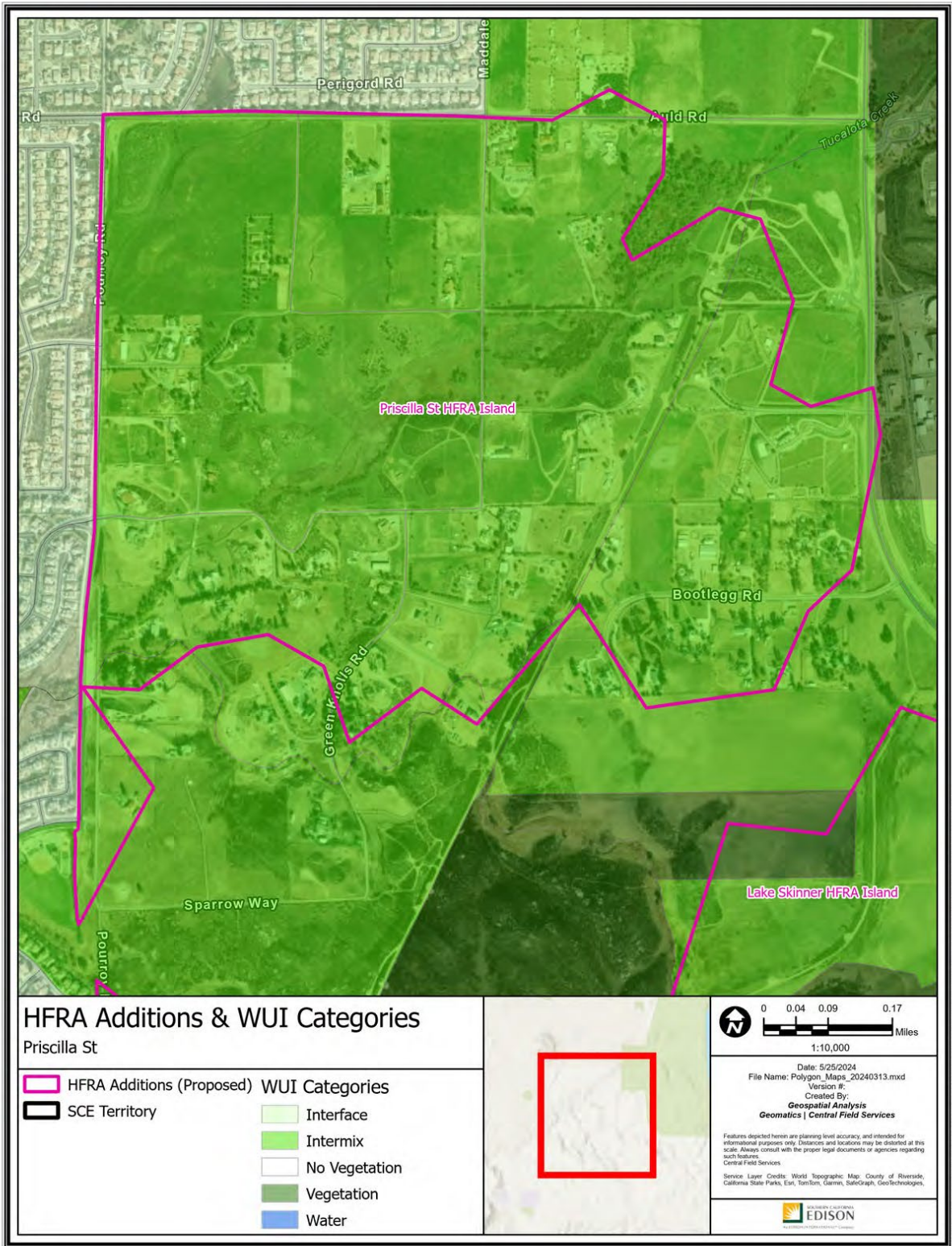
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Service Layer Credits: World Topographic Map, County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies.



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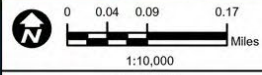
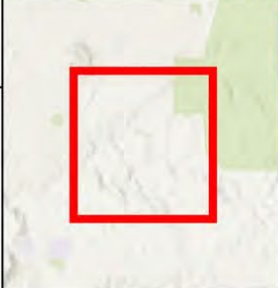
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HFRA Additions & WUI Categories

Priscilla St

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



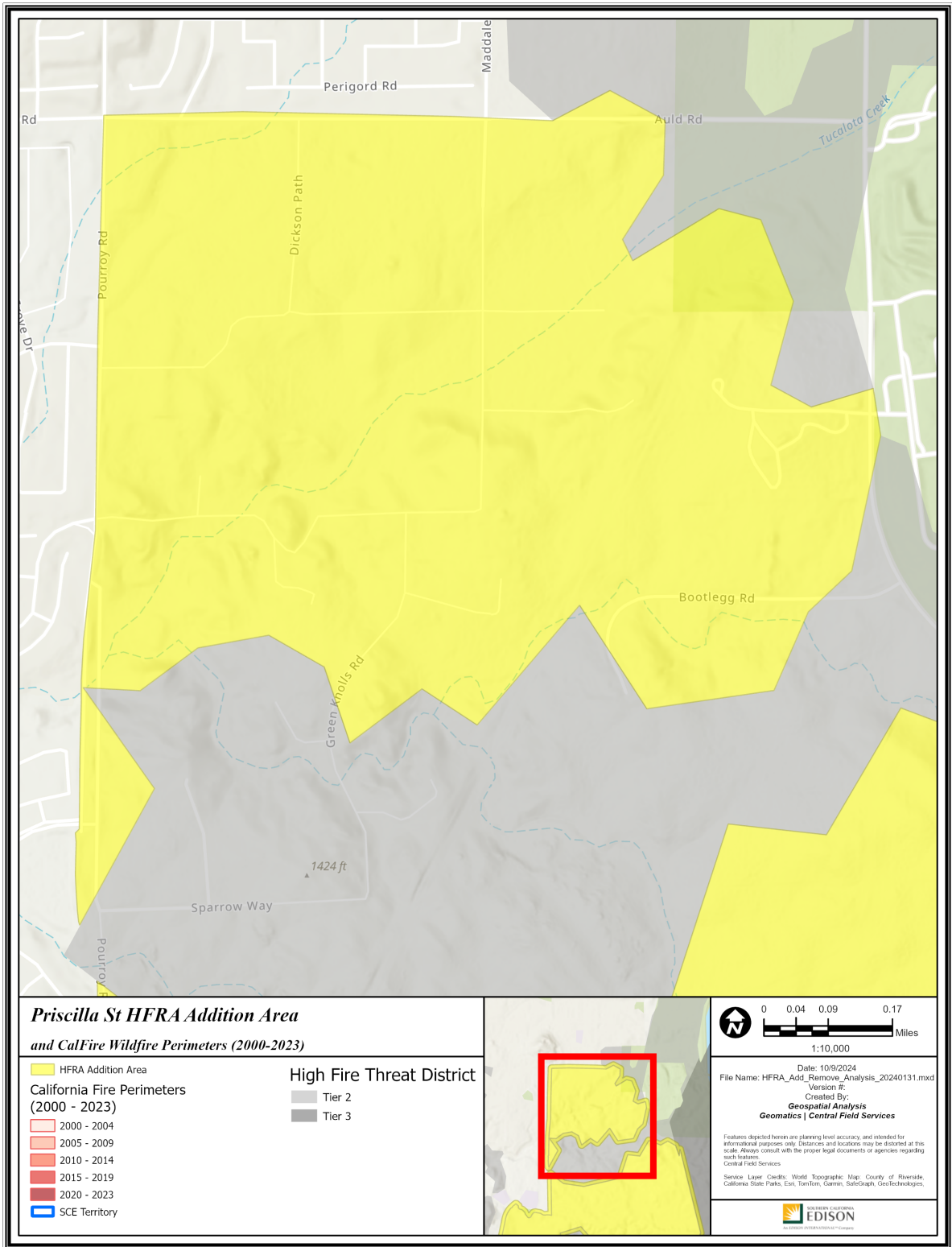
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 Version #:
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Geomatics | Central Field Services

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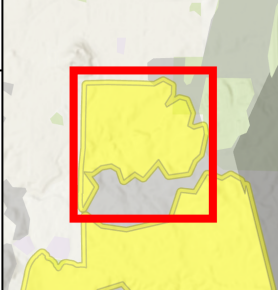


Path: P:\PROJECTS\Special_Projects\HFRA_Revision_Analysis\Polygon_Maps_20240313.aprx



**Priscilla St HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**


- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)**
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
 - Tier 2
 - Tier 3



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #: 1
 Created By: Geospatial Analysis
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Service Layer Credits: World Topographic Map, County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies.

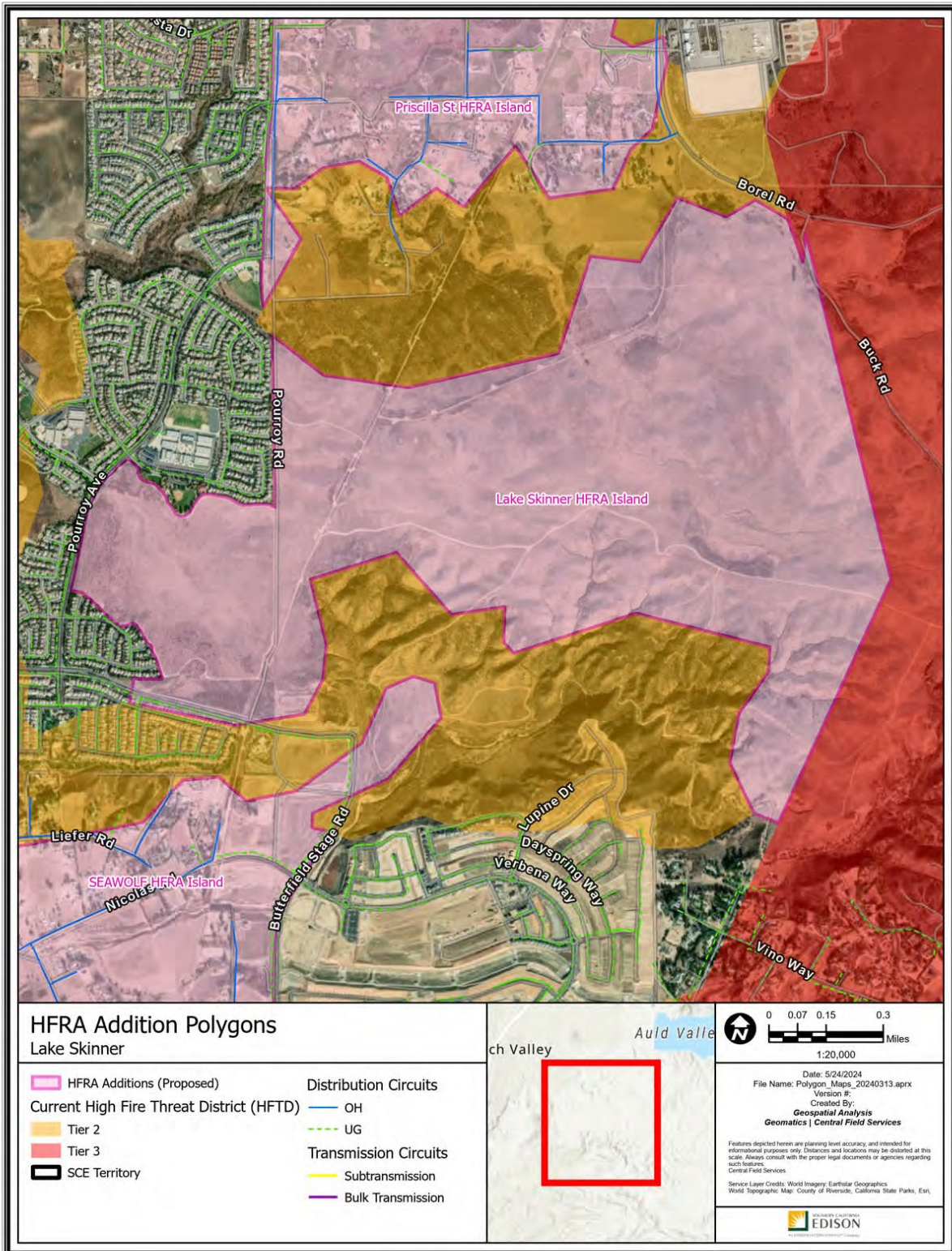


A19 – Lake Skinner

Riverside County

-117.088813, 33.560885

1,045 Acres



Path: P:\PROJECTS\Spatial_Analysis\Polygon_Maps_20240313.aprx

Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---|
| 56.4% | Low Load Dry Climate Grass |
| 35.5% | Moderate Load Dry Climate Grass Shrub |
| 6.0% | Short Sparse Dry Climate Grass |
| 1.2% | Agricultural High Load Fuels with Seasonal Changes of its Burnability |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 28.3% | 0.4% | 69.8% | 0.0% | 1.5% | 100% |

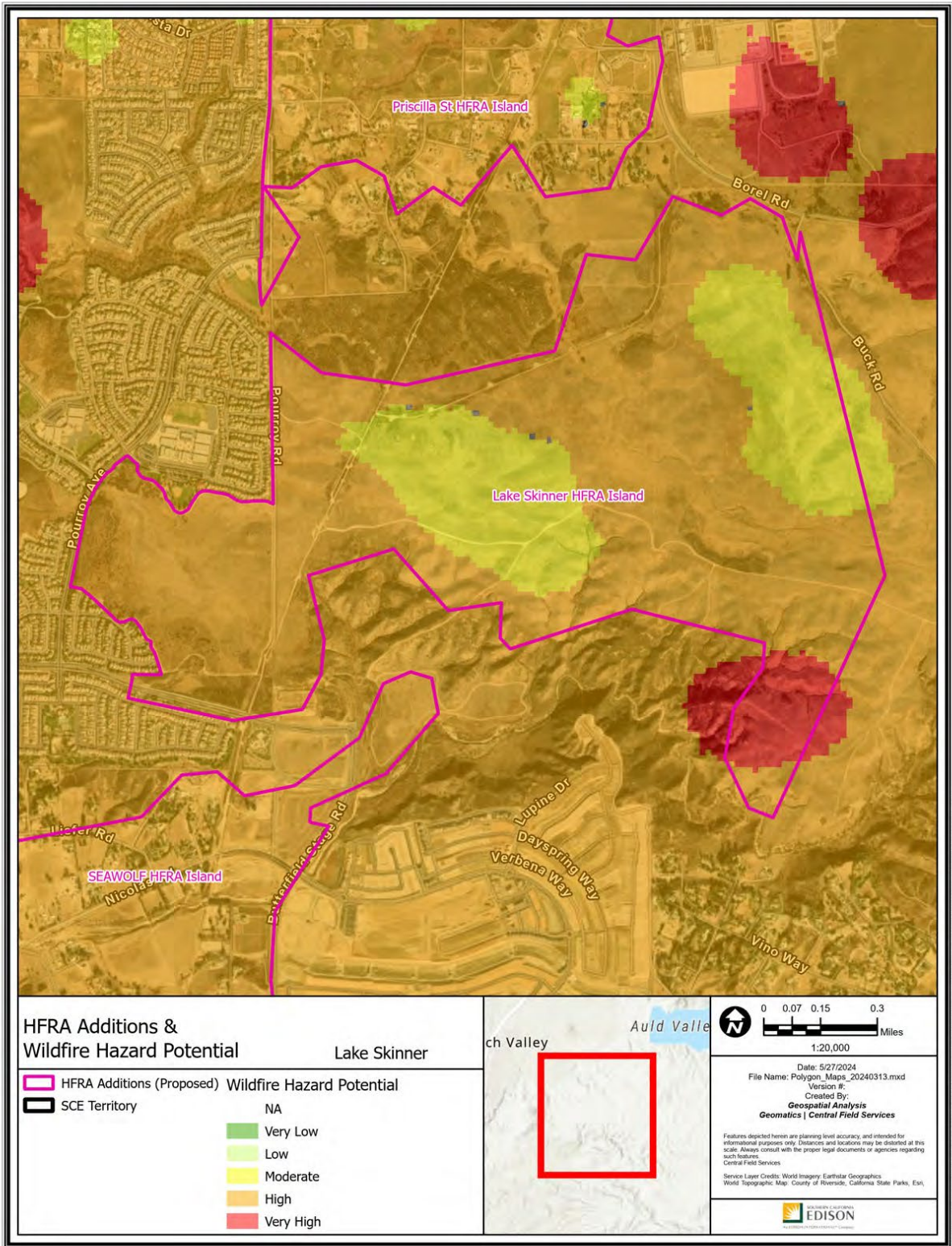
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0 | 0.4 | 0 | 0 | 0 | 0.4 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 18 | 1.43° | 4: High | 5% |

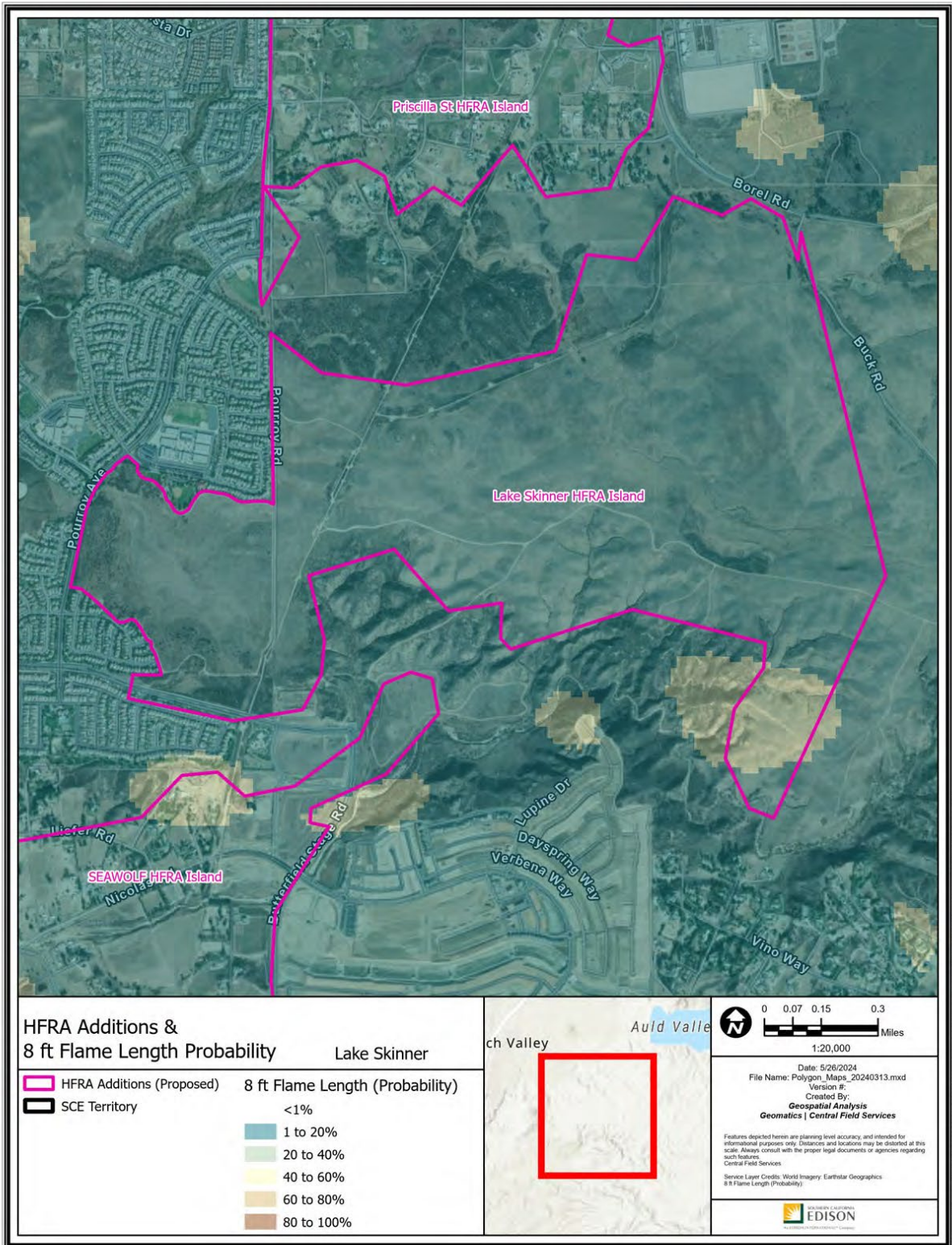
Recommendation:

SCE proposes to include the Lake Skinner polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 and Tier 3 boundary into unmaintained and unirrigated vegetation, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

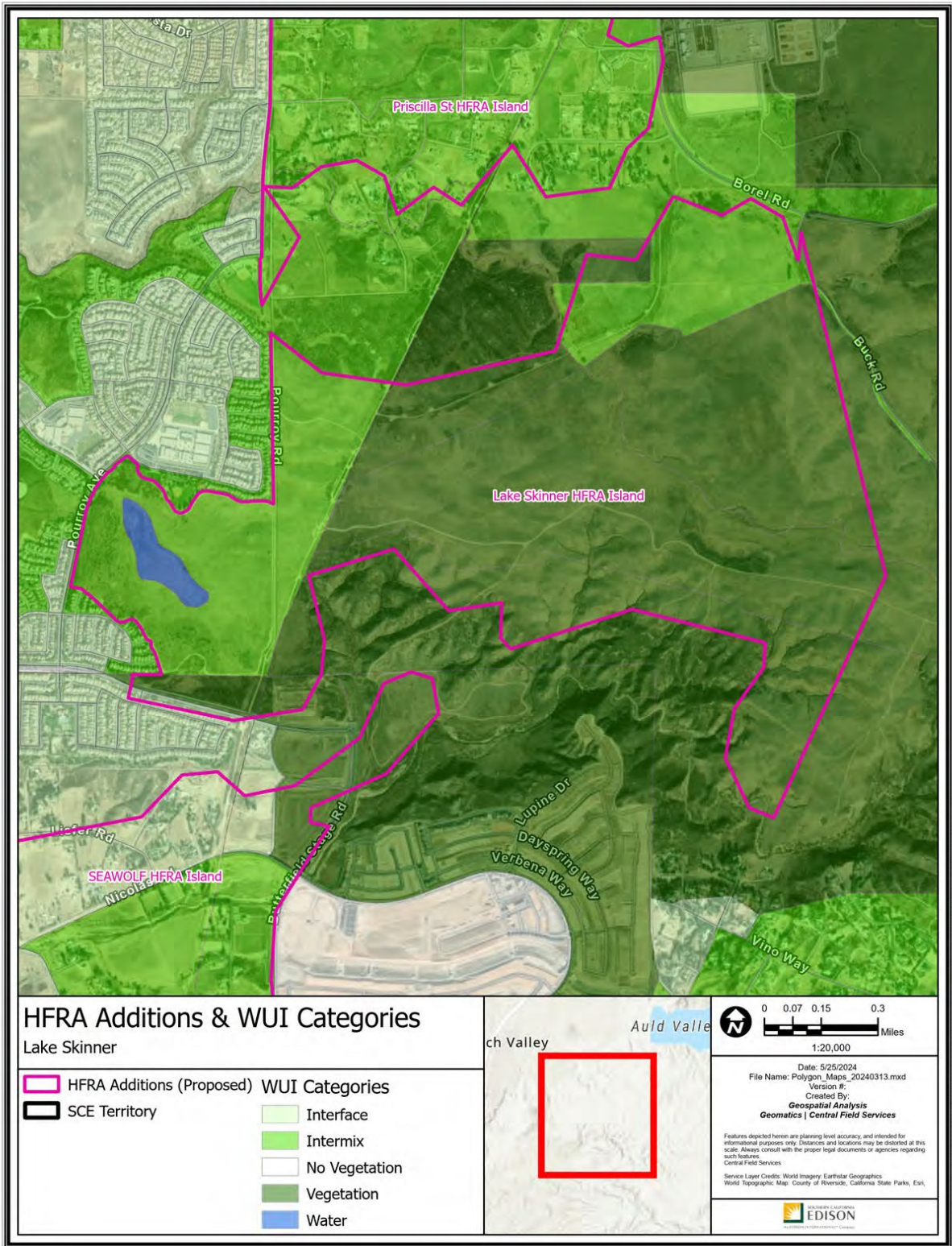
1. A fire in this polygon could spread to neighboring Tier 3 HFTD.
2. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
4. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.



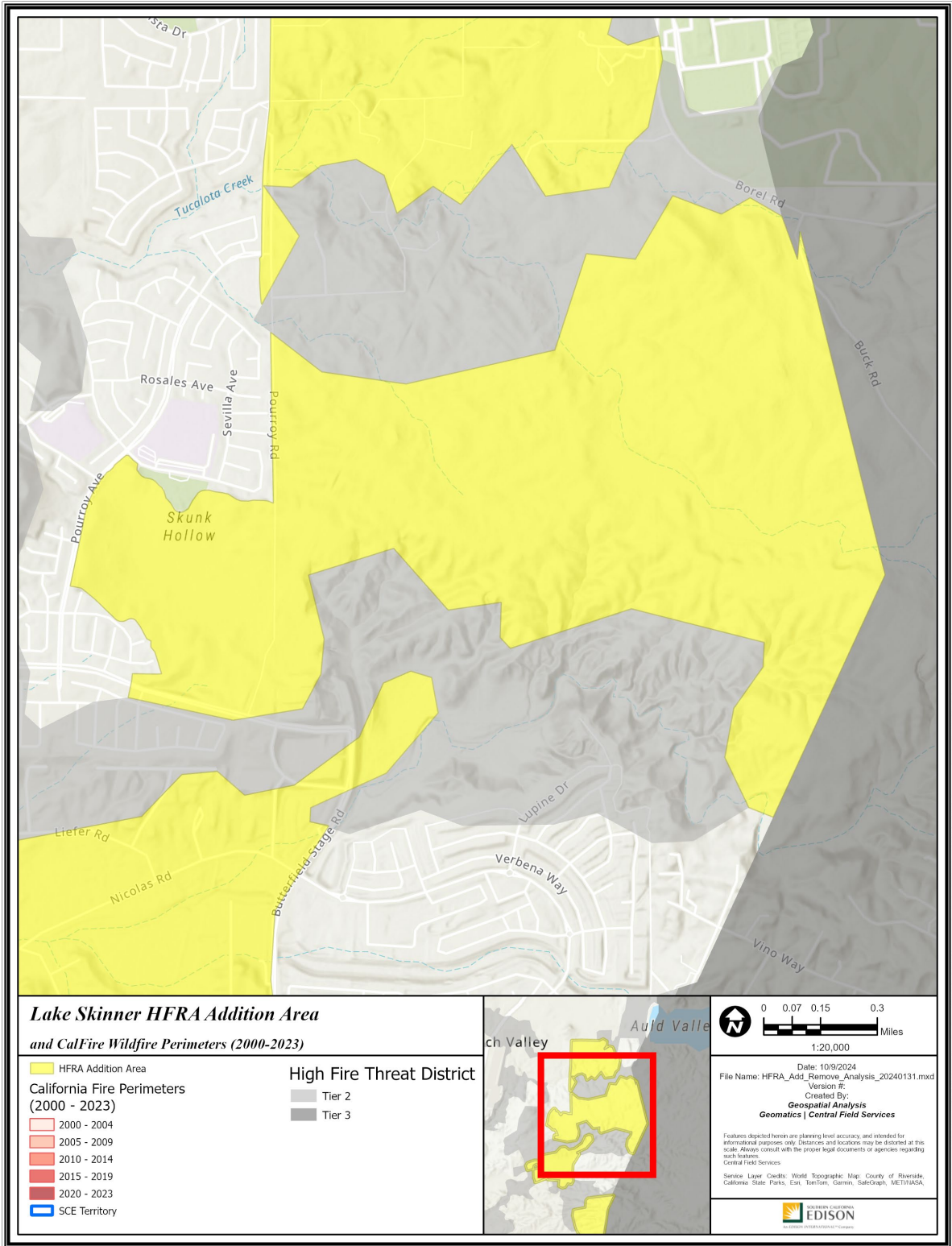
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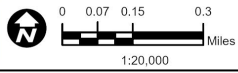
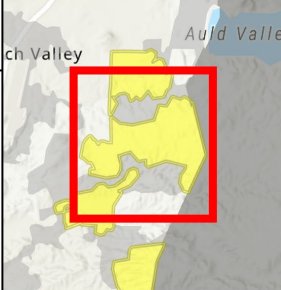


Path: P:\PROJECTS\Special_Productions\HFRA_Revision_Analysis\Polygon_Maps_20240313.aprx



**Lake Skinner HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
-
- High Fire Threat District
 - Tier 2
 - Tier 3



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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 Central Field Services

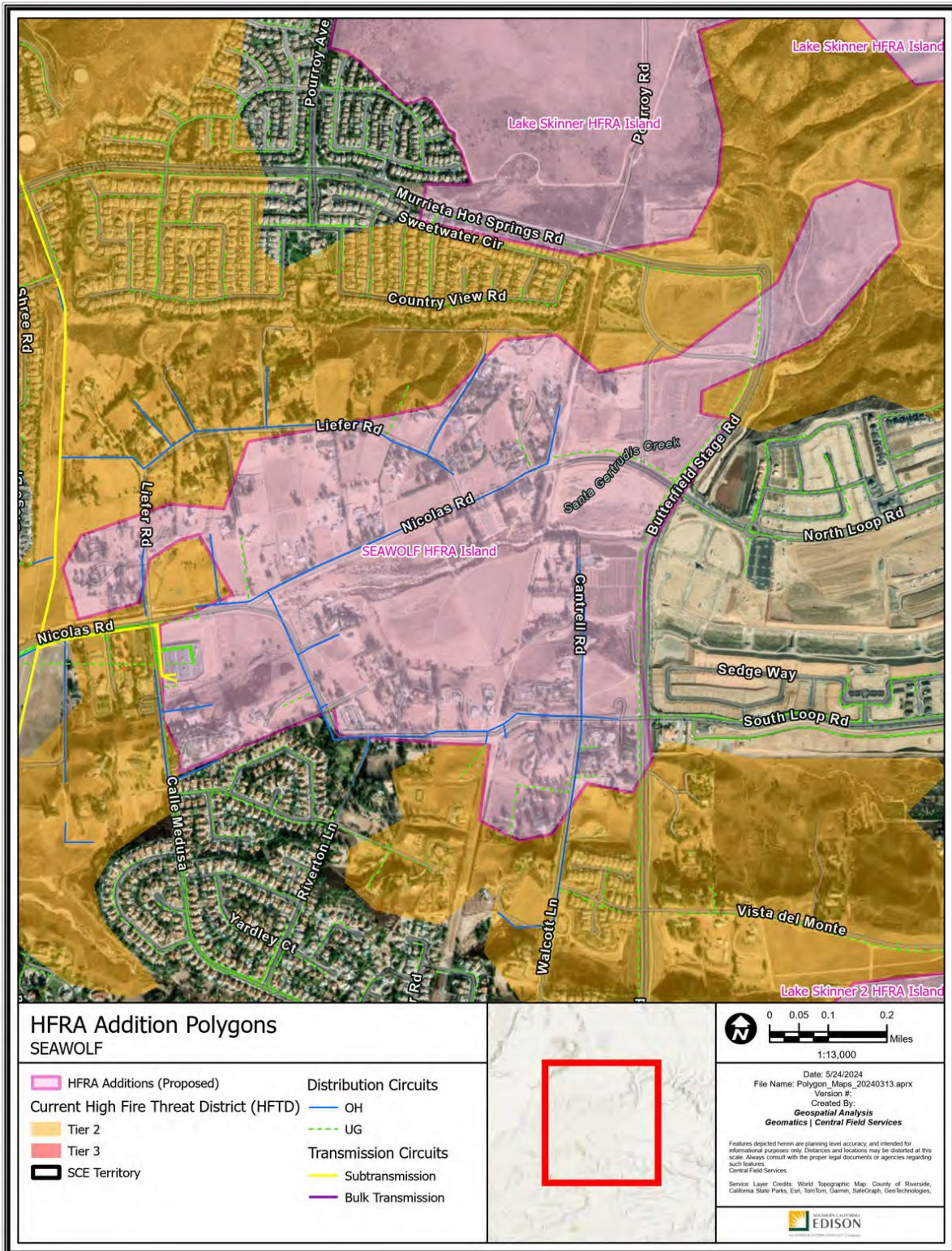
Service Layer Credits: World Topographic Map; County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, METI/NASA,



Path: P:\PROJECTS\Special_Projects\HFRA_Add_Remove_Analysis_20240131\HFRA_Add_Remove_Analysis_20240131.aprx

A20 – Seawolf

Riverside County
 -117.106297, 33.544894
 377 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---------------------------------------|
| 65.3% | Moderate Load Dry Climate Grass Shrub |
| 14.4% | Short Sparse Dry Climate Grass |
| 5.3% | Low Load Dry Climate Grass |
| 3.7% | Low Load Dry Climate Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 42.7% | 44.3% | 12.8% | 0.1% | 0.0% | 100% |

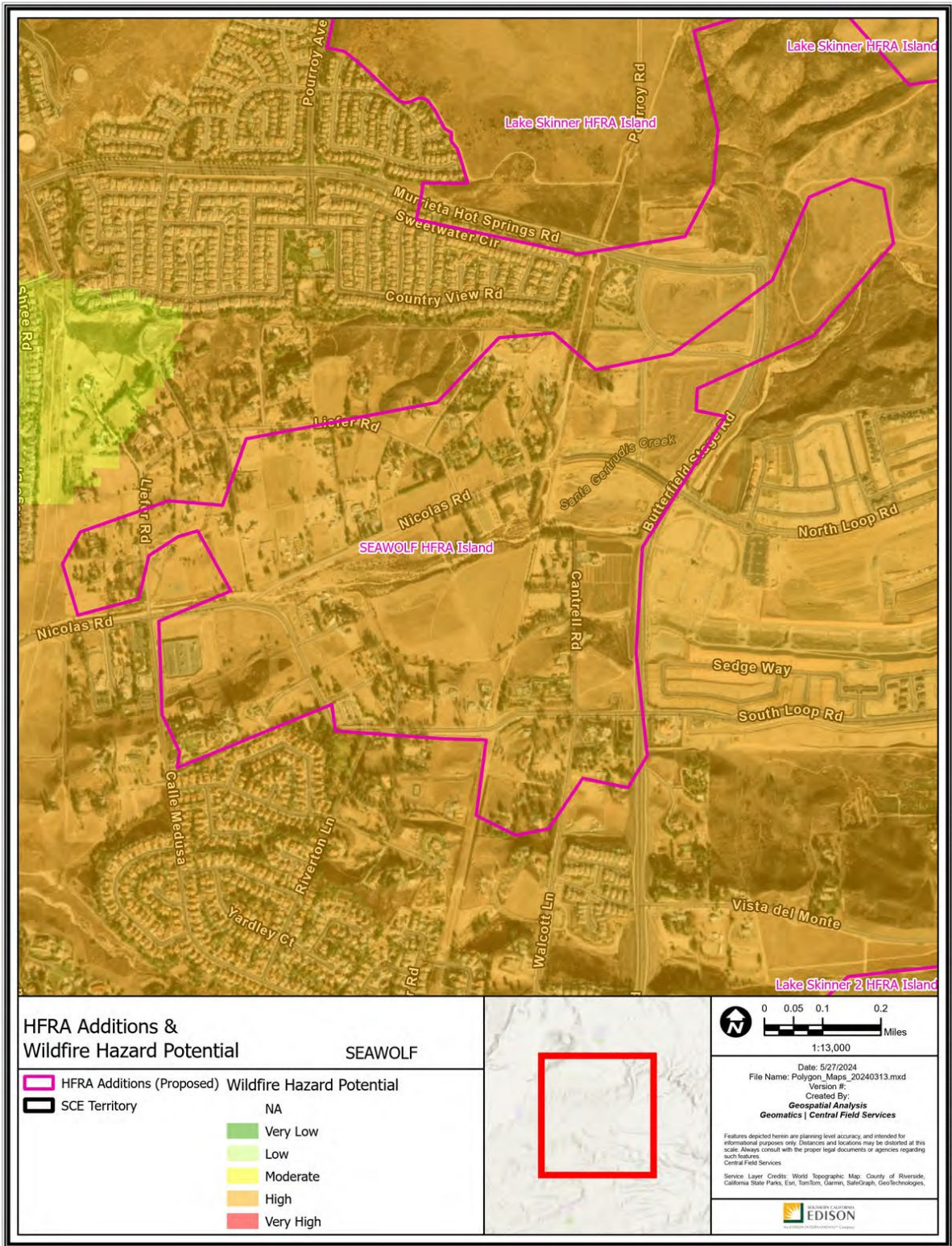
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 2.67 | 2.59 | 0.07 | 0 | 0 | 5.33 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 70 | 2.59° | 4: High | 11% |

Recommendation:

SCE proposes to include the Seawolf polygon as Tier 2 HFTD. This addition would bridge a gap between existing HFTD Tier 2 boundaries across moderate fuel loads, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

1. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
2. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
3. Polygon boundaries are drawn along a large urban development using Butterfield Stage Road as a firebreak.



HFRA Additions & Wildfire Hazard Potential SEAWOLF

- HFRA Additions (Proposed)
- SCE Territory
- Wildfire Hazard Potential
- NA
- Very Low
- Low
- Moderate
- High
- Very High



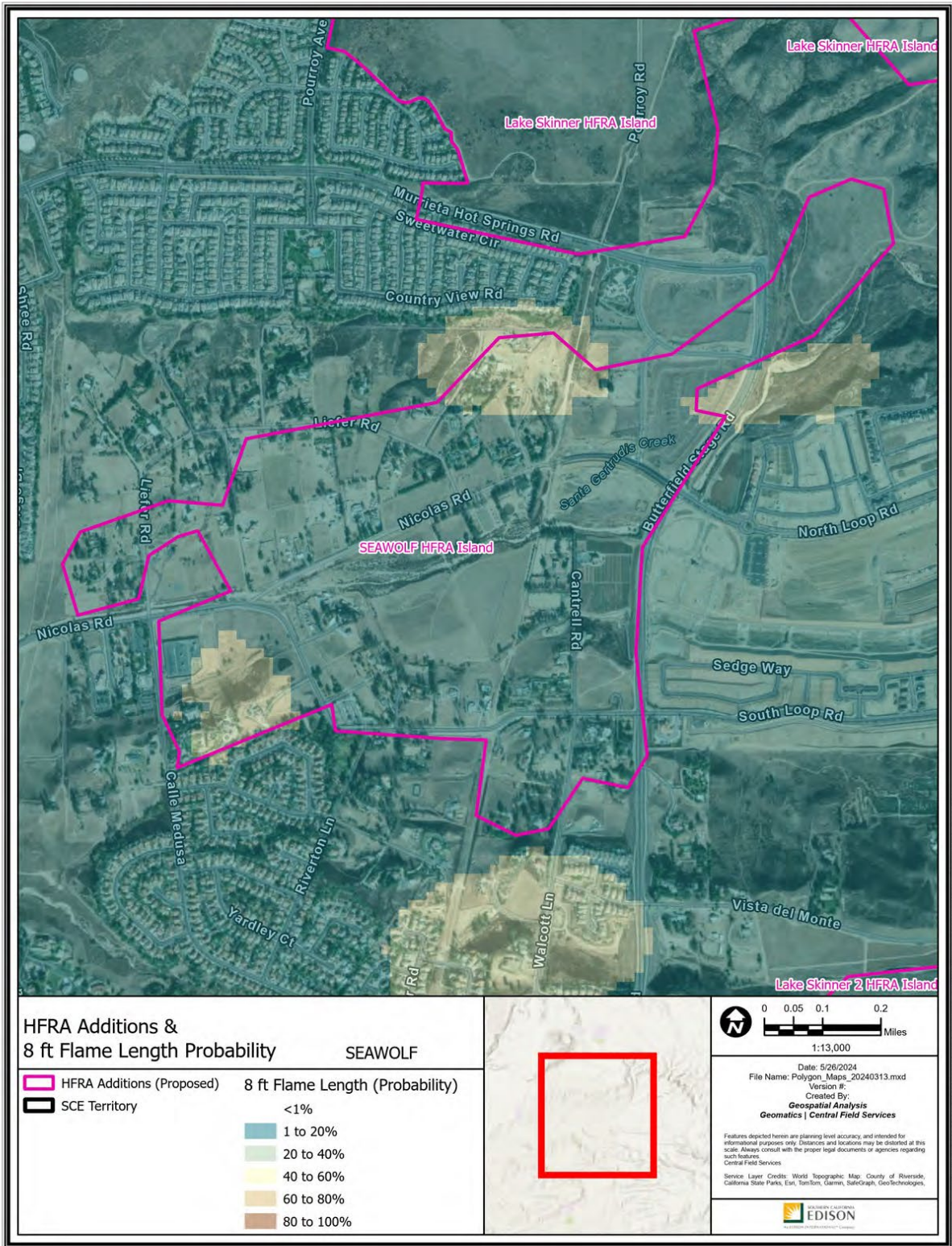
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Date: 5/27/2024
 File Name: Polygon_Maps_20240313.mxd
 Version #:
 Created By:
Geospatial Analysis
 Geomatics | Central Field Services

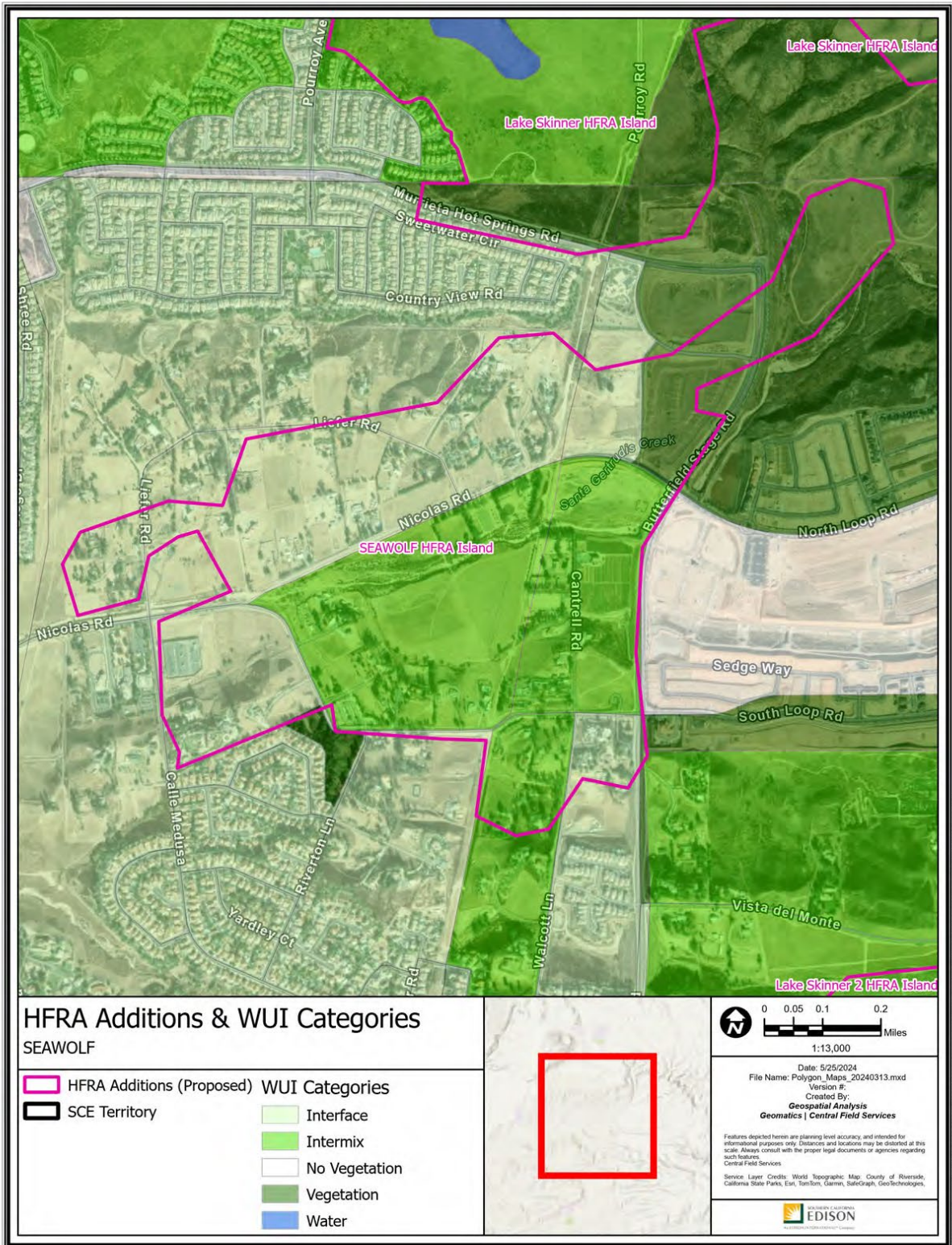
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Service Layer Credits: World Topographic Map, County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies,

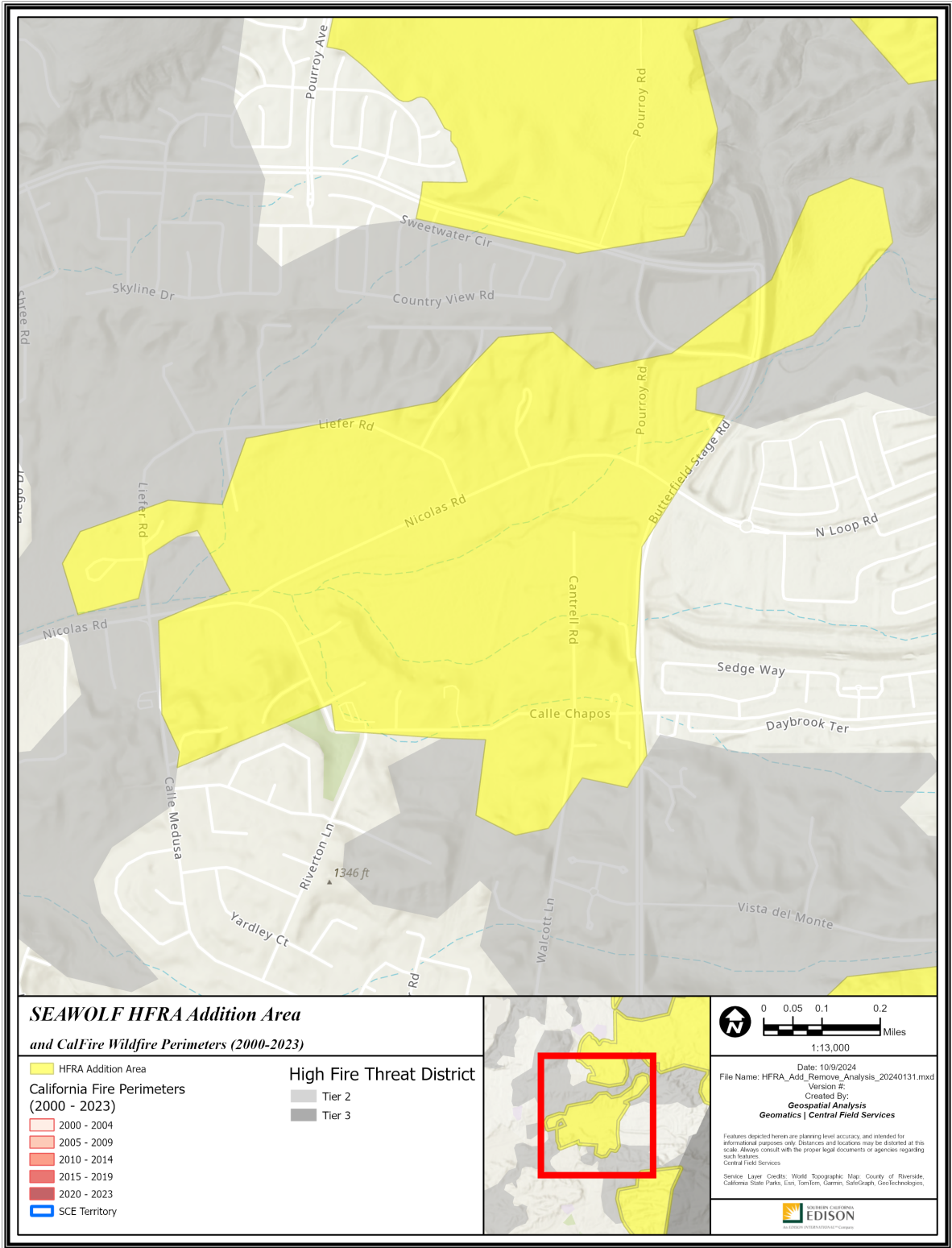
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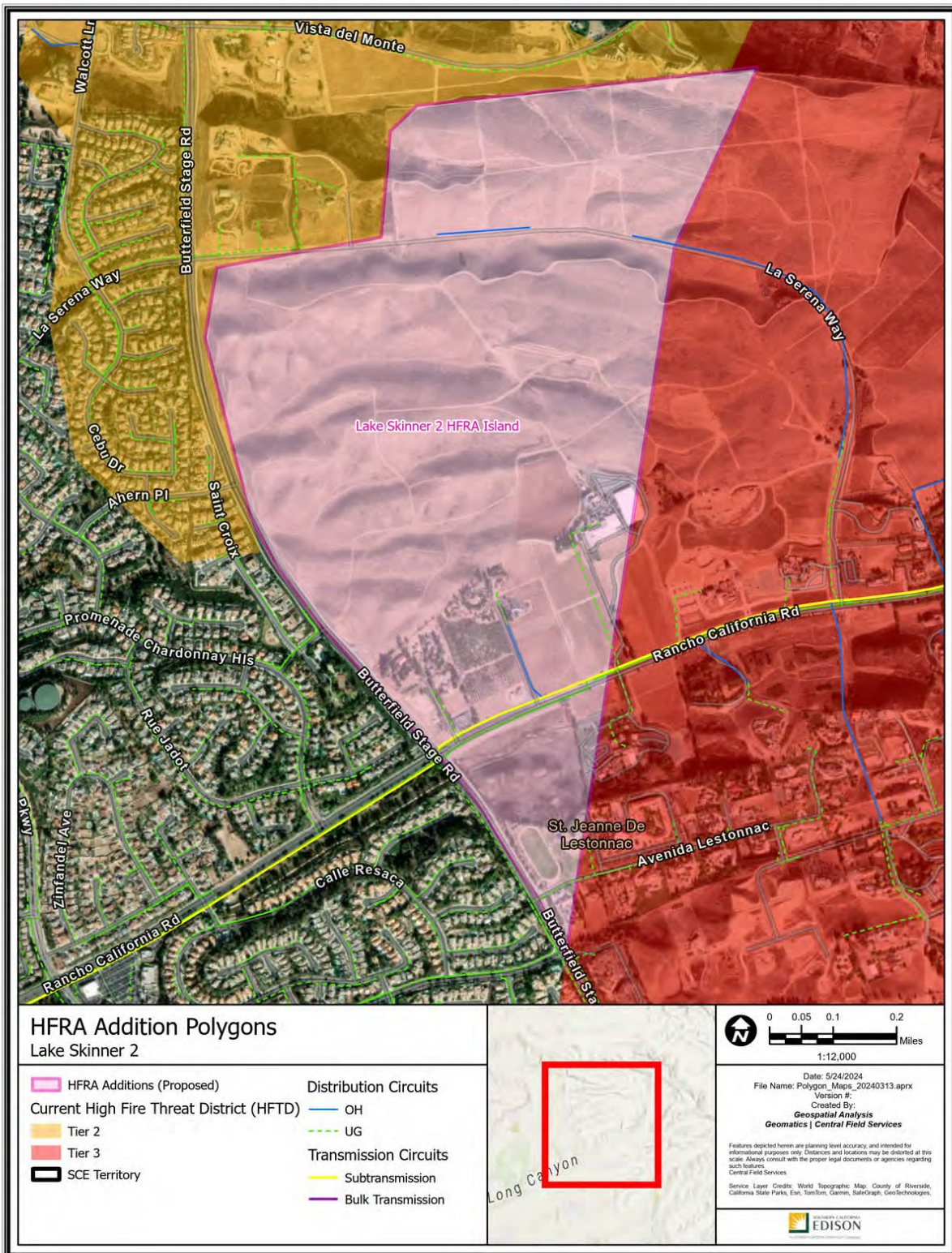
Path: P:\PROJECTS\Special_Projects\HFRA_Add_Remove_Analysis\HFRA_Add_Remove_Analysis_20240131.aprx

A21 – Lake Skinner 2

Riverside County

-117.093265, 33.52685

395 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 63.7% | Moderate Load Dry Climate Grass Shrub |
| 18.2% | Agricultural Fields Maintained in a Non Burnable Condition |
| 12.0% | Low Load Dry Climate Grass |
| 2.5% | Minor Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 27.5% | 0.7% | 71.8% | 0.0% | 0.0% | 100% |

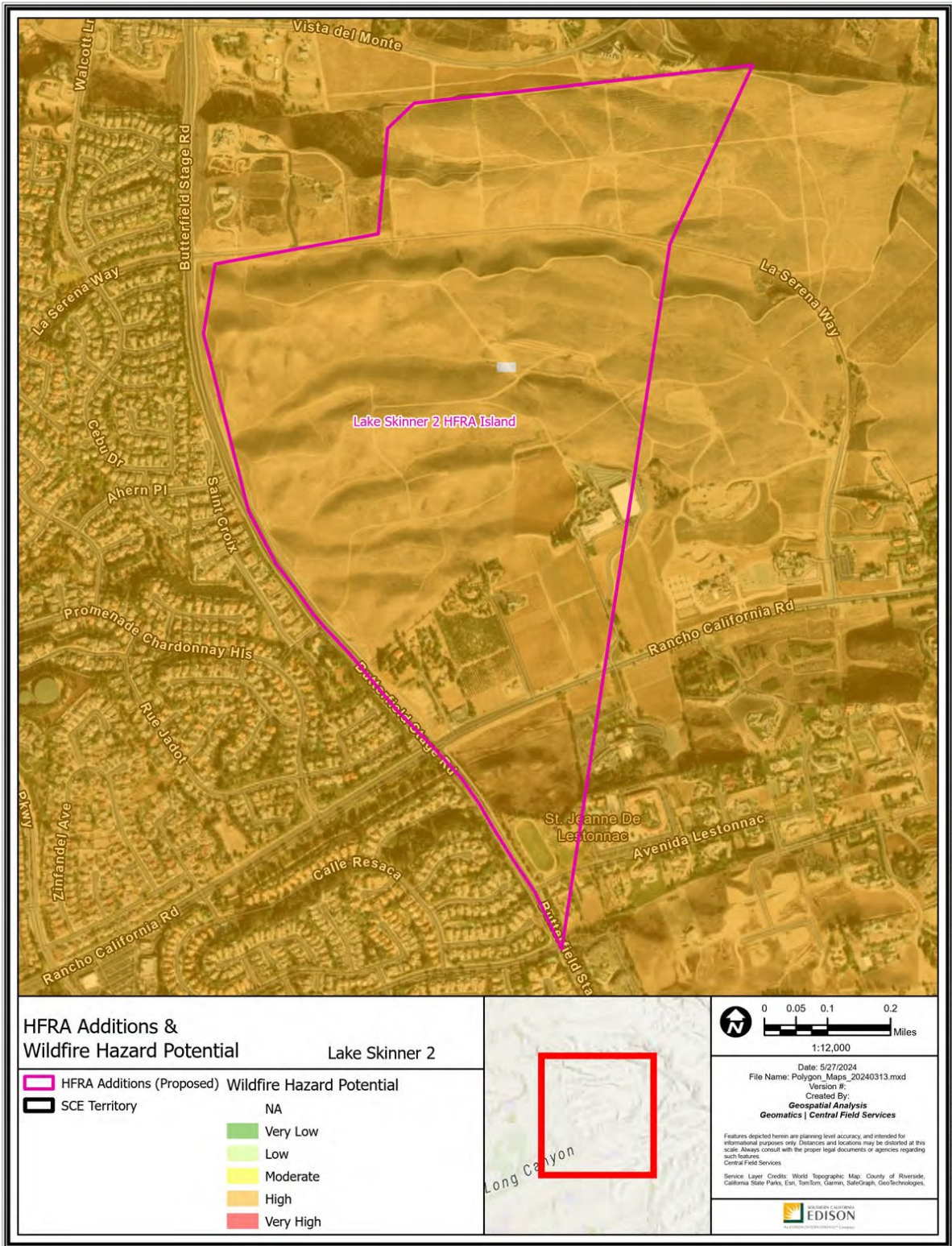
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 1.34 | 1.82 | 0.31 | 0 | 0 | 3.47 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 18 | 2.05° | 4: High | 9% |

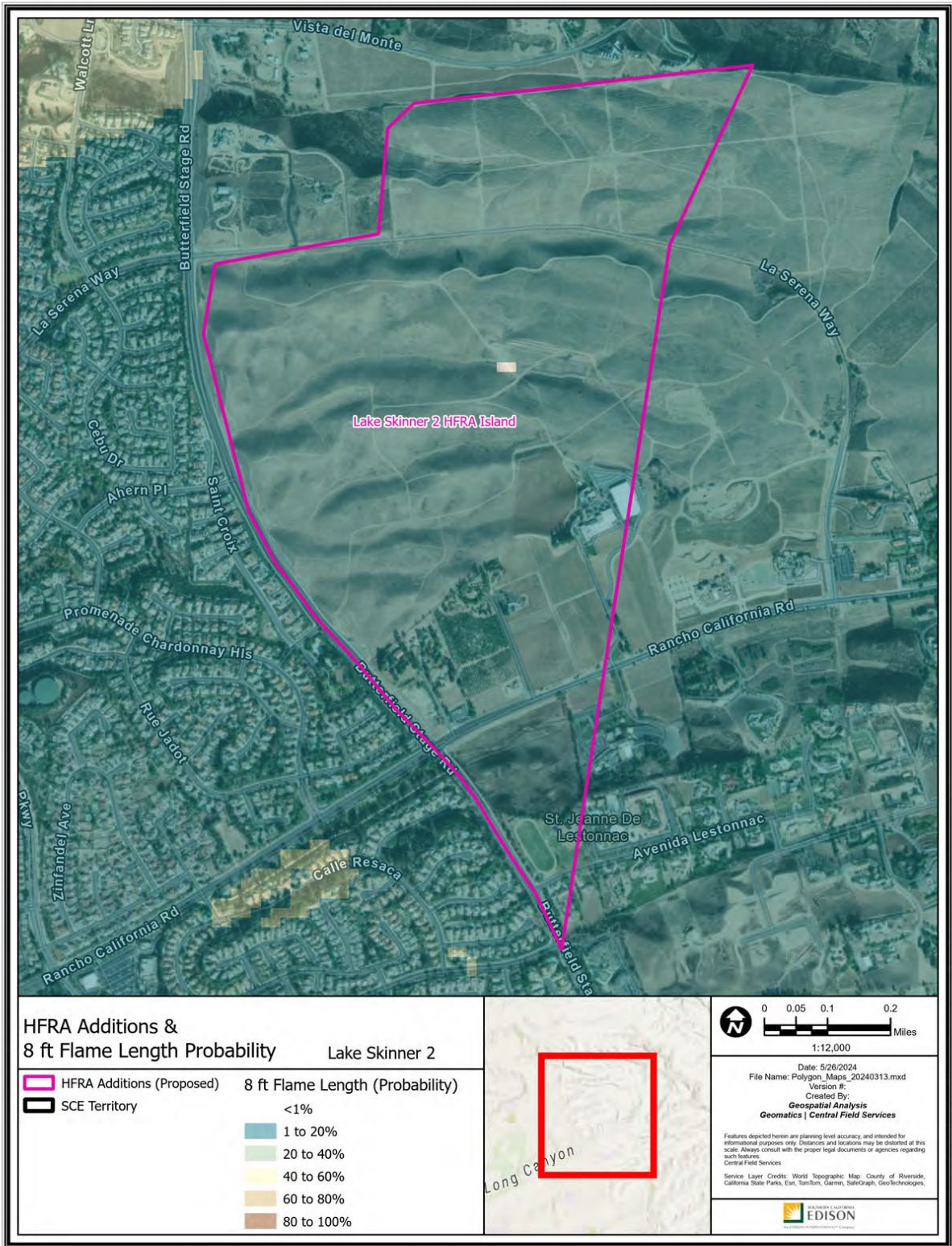
Recommendation:

SCE proposes to include the Lake Skinner 2 polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 and Tier 3 boundaries into unmaintained and unirrigated hills with moderate load fuels, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

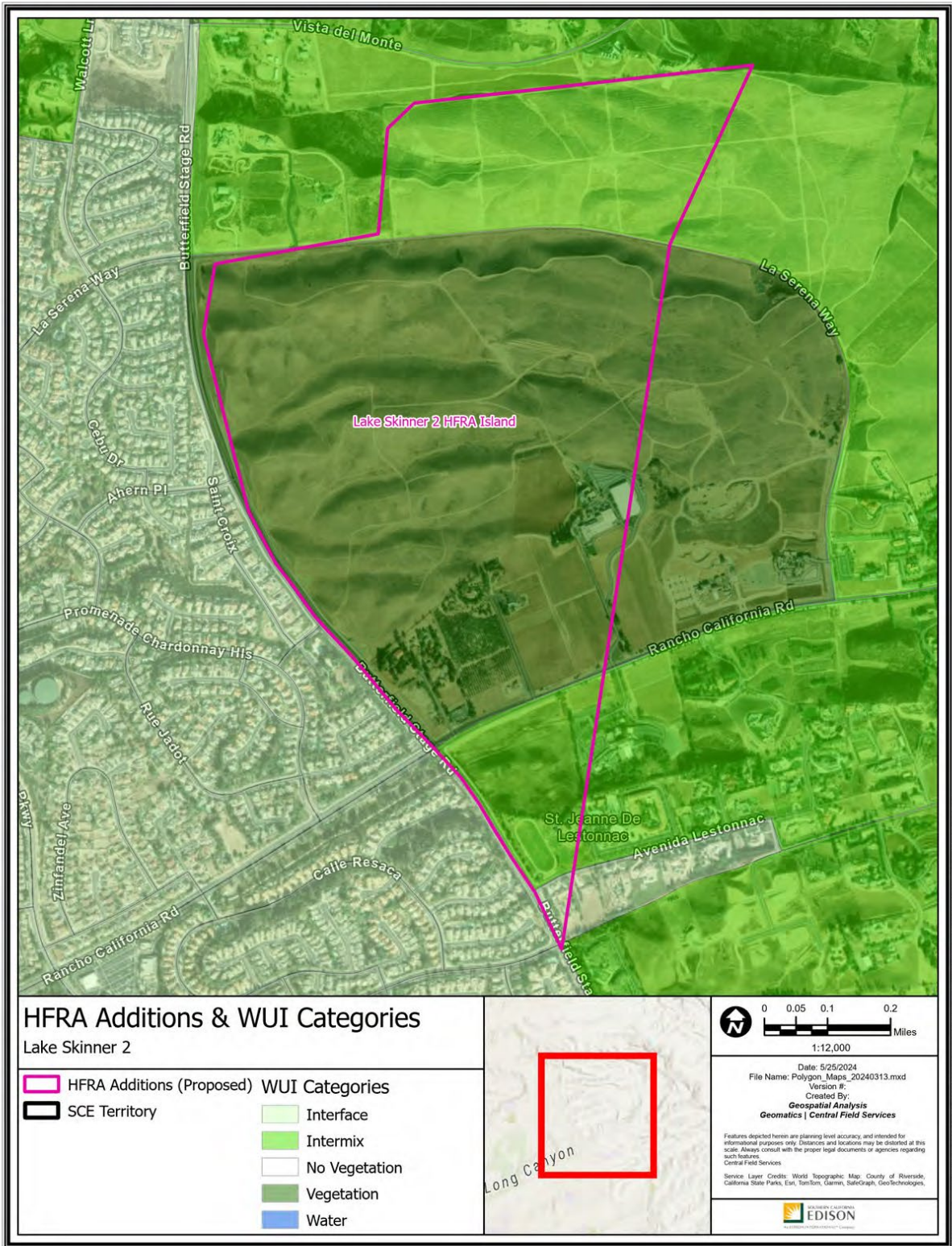
1. A fire in this polygon could spread to neighboring Tier 3 HFTD.
2. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
3. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
4. Butterfield Stage Road is used as a firebreak to draw this polygon's boundary.



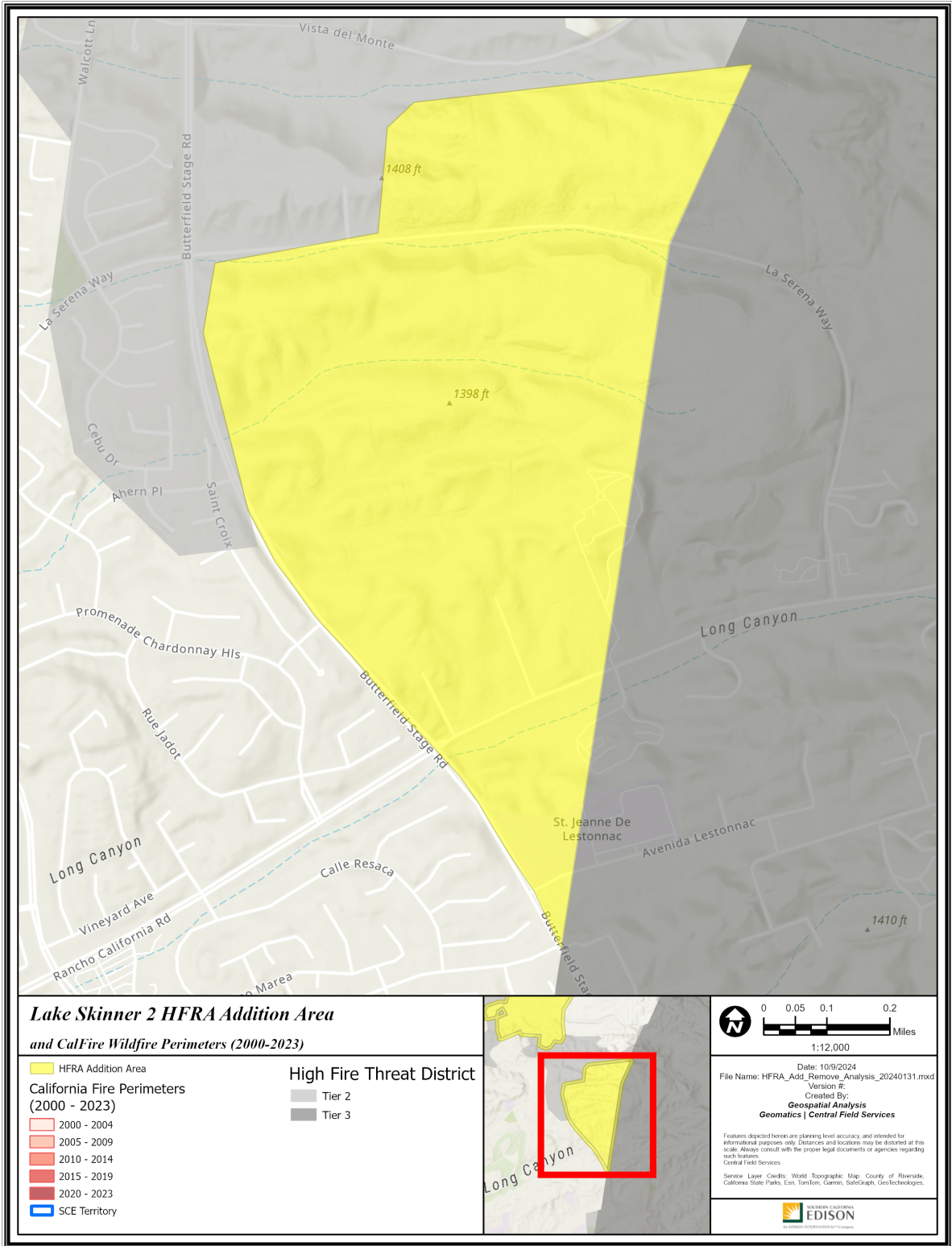
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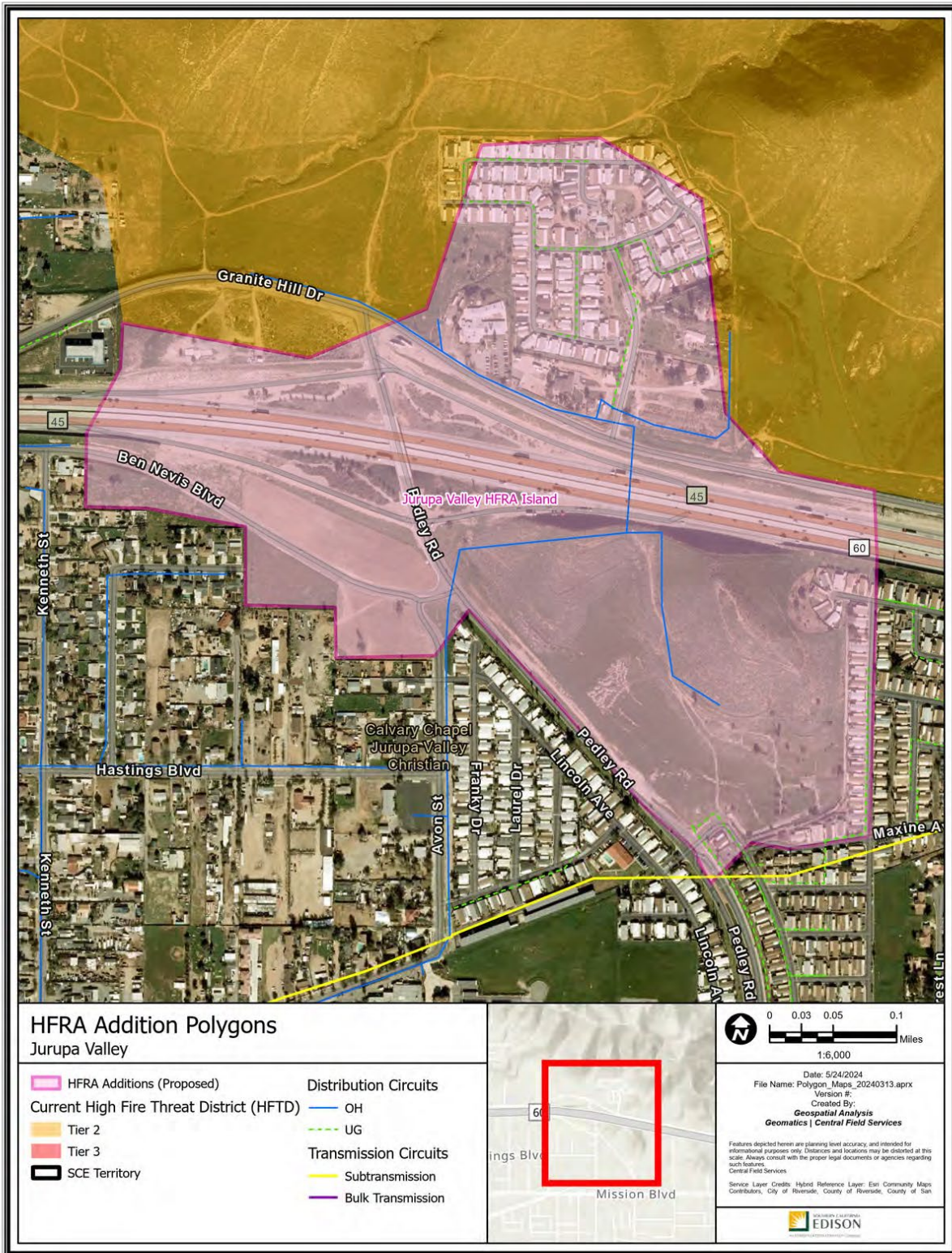
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A22 – Jurupa Valley

Riverside County

-117.47833, 34.018565

120 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 42.6% | Moderate Load Dry Climate Grass Shrub |
| 21.4% | Major Roads Surrounded by Low Fire Behavior Fuel |
| 10.7% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 10.0% | Urban Core Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.9% | 74.7% | 0.0% | 24.4% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.84 | 0.85 | 0.01 | 0 | 0 | 1.7 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 163 | 4.25° | 3: Moderate | 3% |

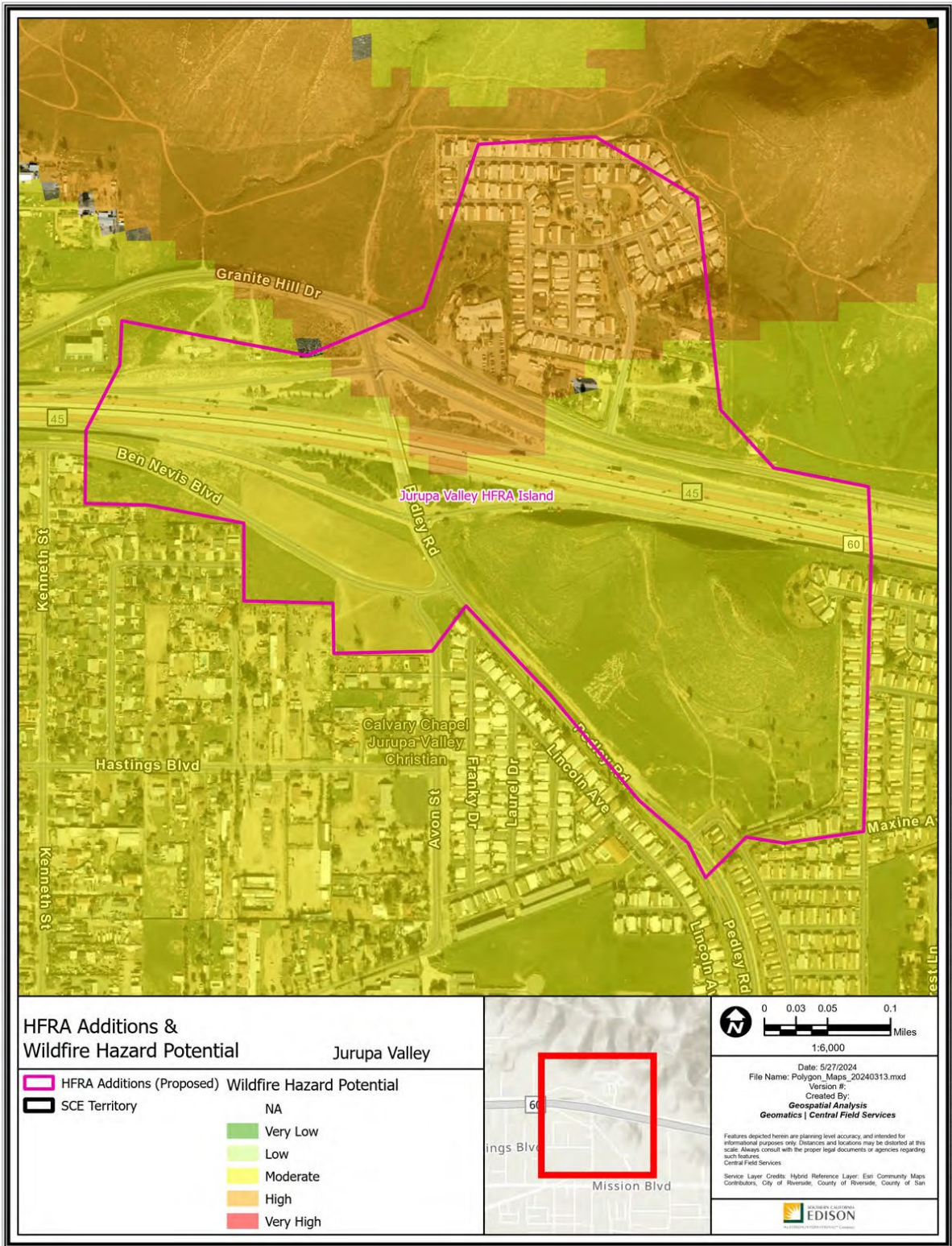
Recommendation:

SCE proposes to include the Jurupa Valley polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into a small urban neighborhood surrounded by unmaintained and unirrigated low to moderate load fuels including a portion of the 60 freeway with motorists causing increased ignition risk. This recommendation is also supported by the following facts:

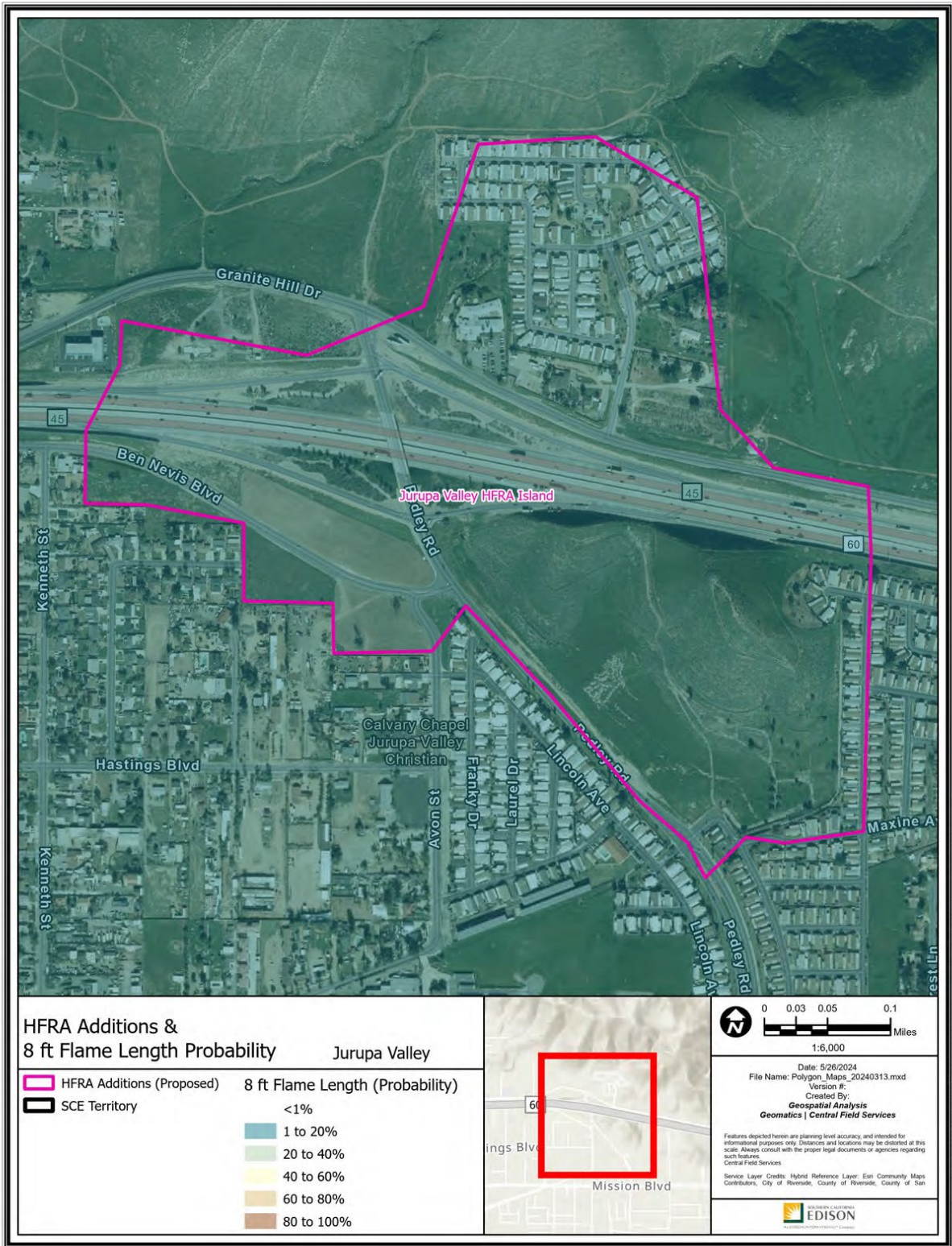
1. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
2. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon has a high ratio of population to roadways, creating potential egress risks.
3. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
4. Roads and terrain are used as firebreaks to draw this polygon's boundaries.



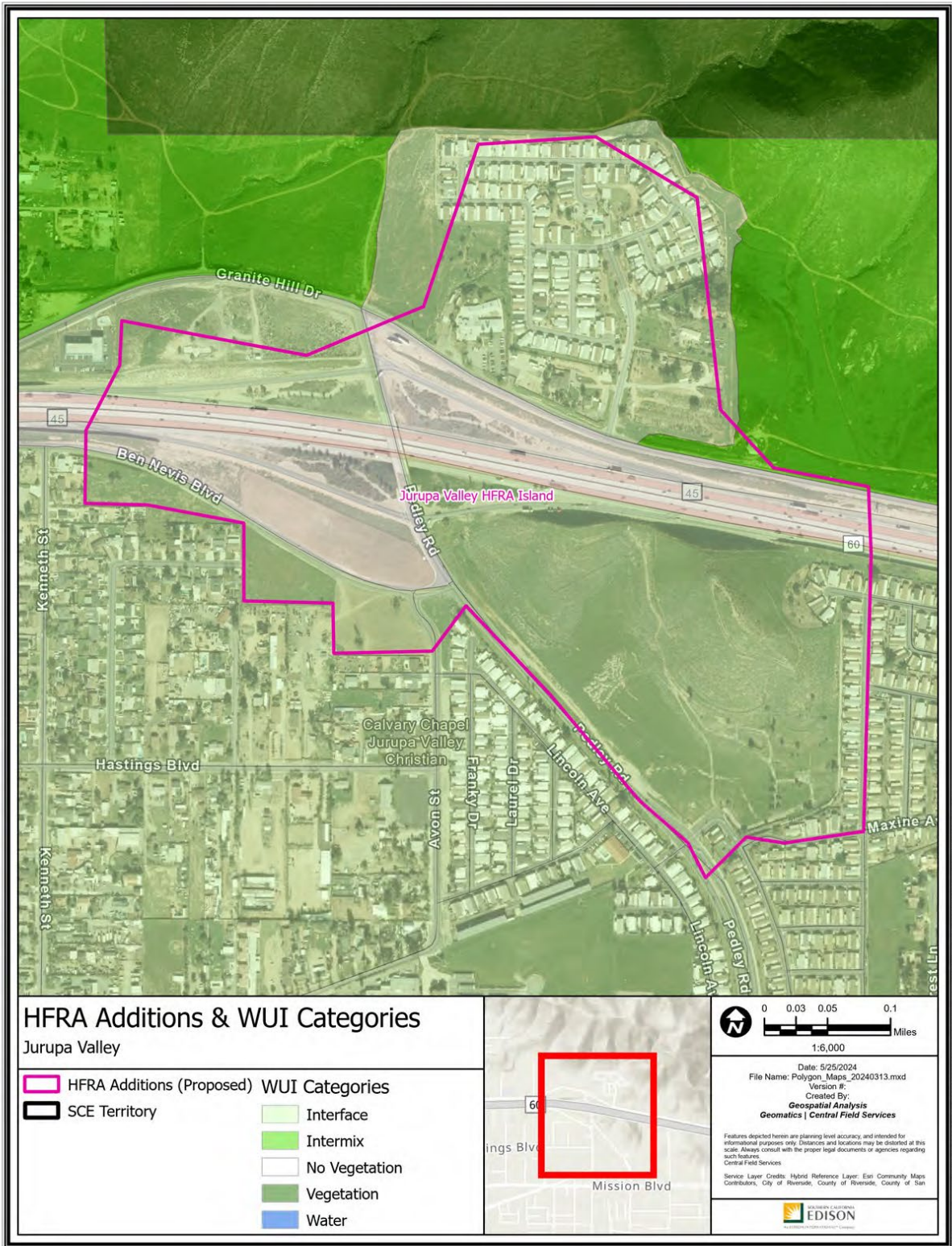
Figure 12 - Jurupa Valley - Google Street View 11/2023



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HFRA Additions & WUI Categories

Jurupa Valley

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |




0 0.03 0.05 0.1 Miles
1:6,000

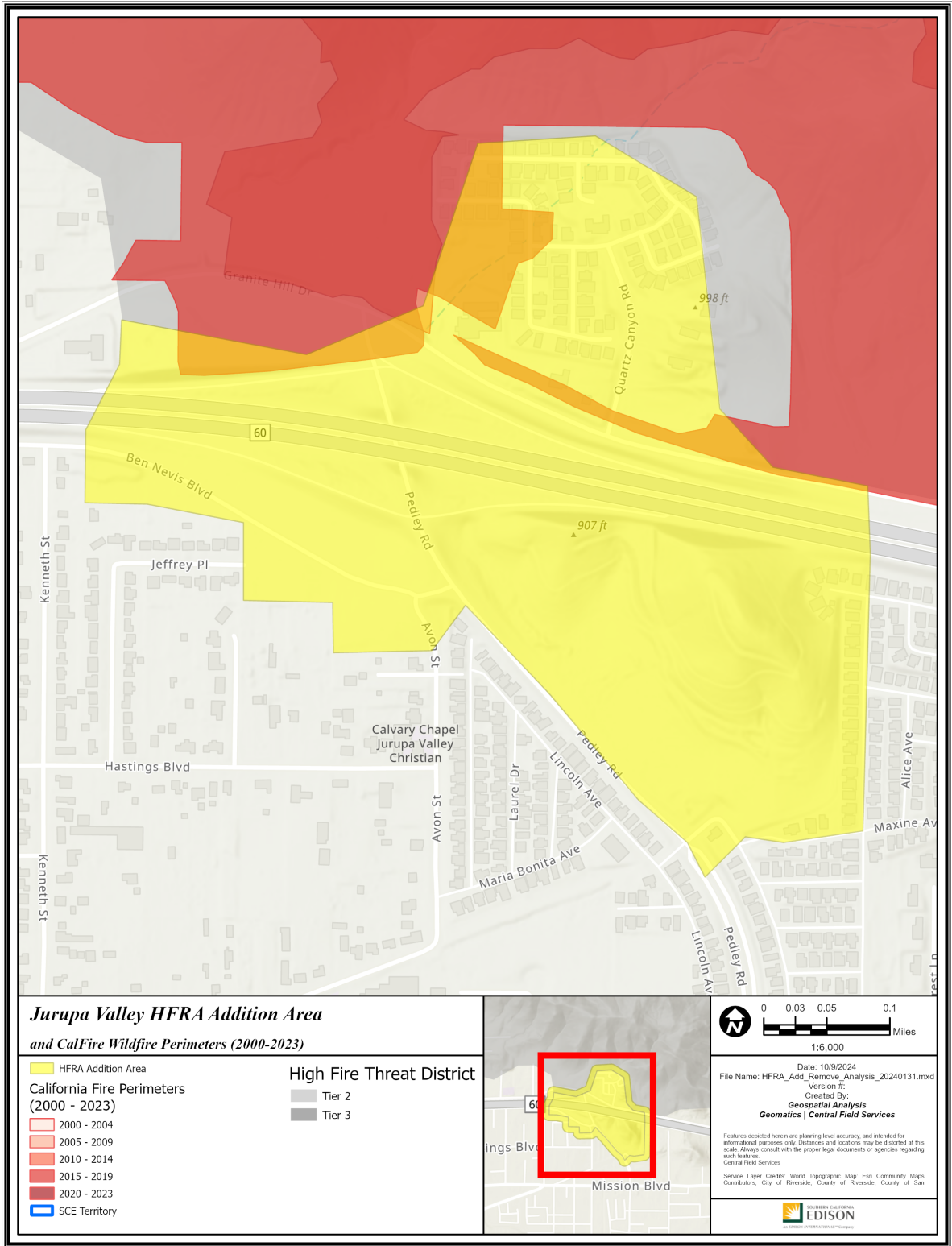
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File Name: Polygon_Maps_20240313.mxd
Version #: _____
Created By: **Geospatial Analysis**
Geomatics | Central Field Services

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Central Field Services

Service Layer Credits: Hybrid Reference Layer: Esri Community Maps Contributors, City of Riverside, County of Riverside, County of San



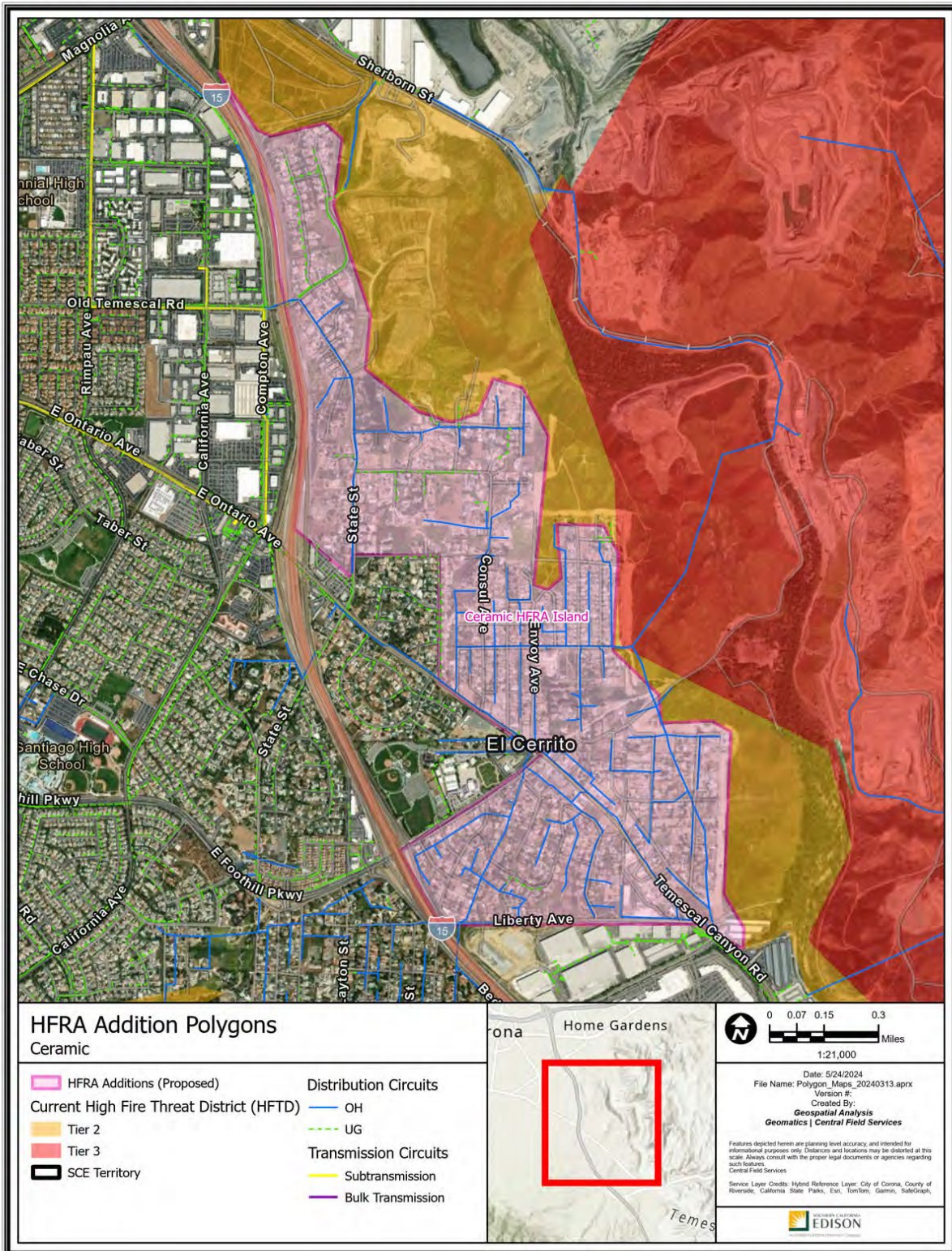
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A23 – Ceramic

Riverside County
 -117.525037, 33.841542
 702 Acres



Path: P:\PROJECTS\Spatial\Projects\HFRA_Temescal_Analysis\Polygon_Maps_20240313.aprx

Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 33.8% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 25.1% | Moderate Load Dry Climate Grass Shrub |
| 14.1% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 7.3% | Non Burnable Urban Areas |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 32.9% | 62.5% | 0.0% | 4.6% | 0.0% | 100% |

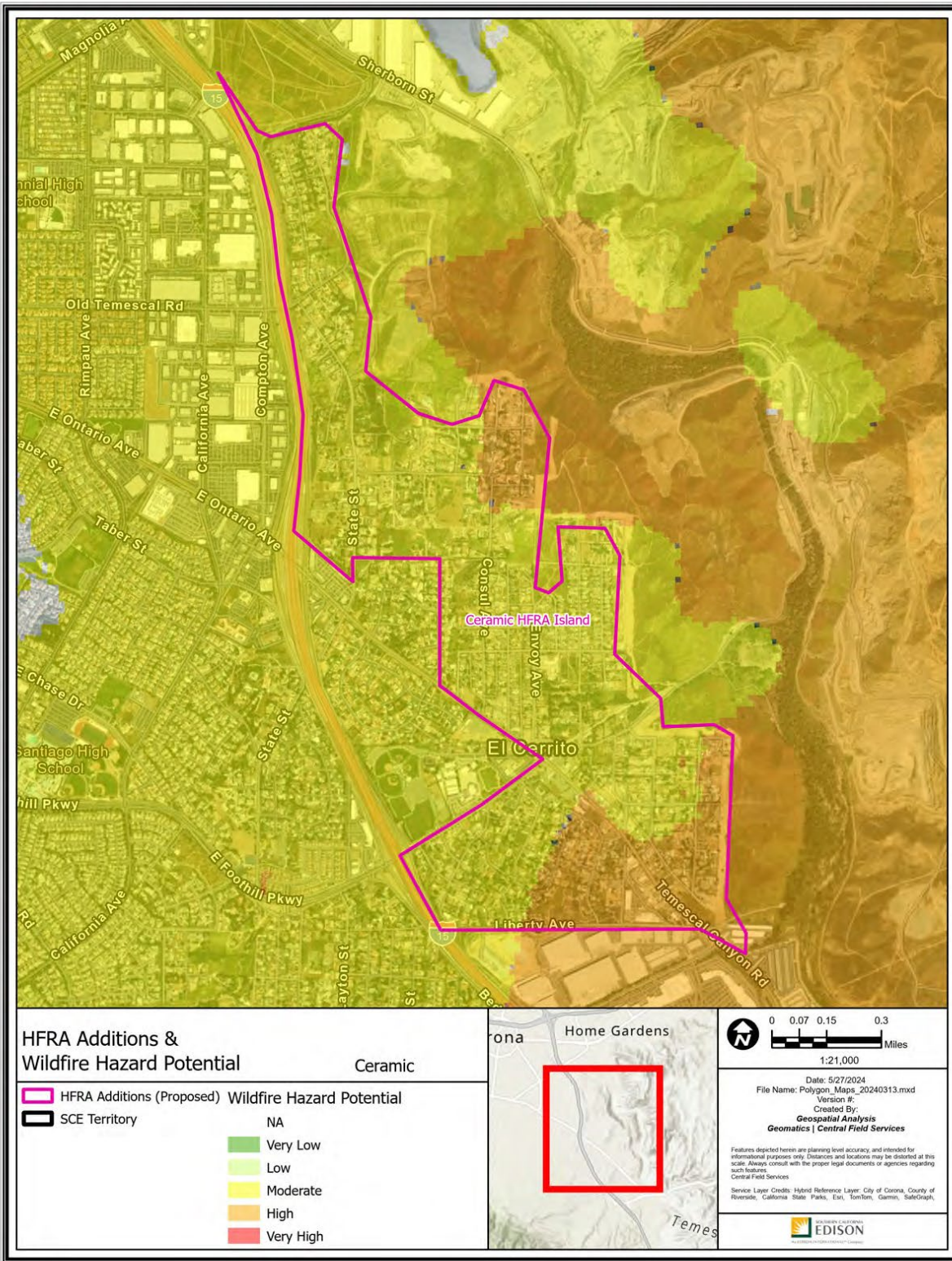
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 15.18 | 3.78 | 0 | 0 | 0 | 18.96 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 963 | 3.1° | 3: Moderate | 6% |

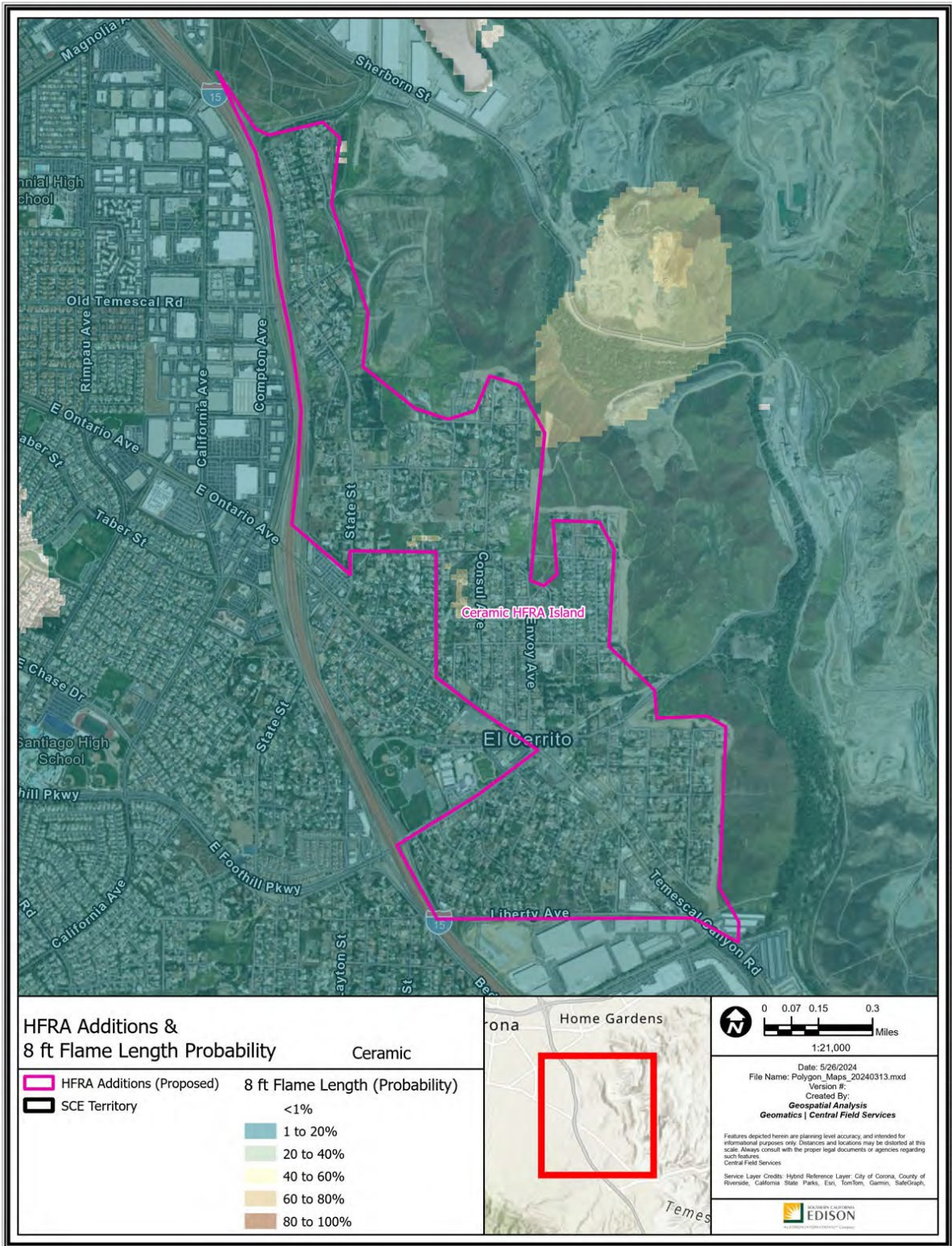
Recommendation:

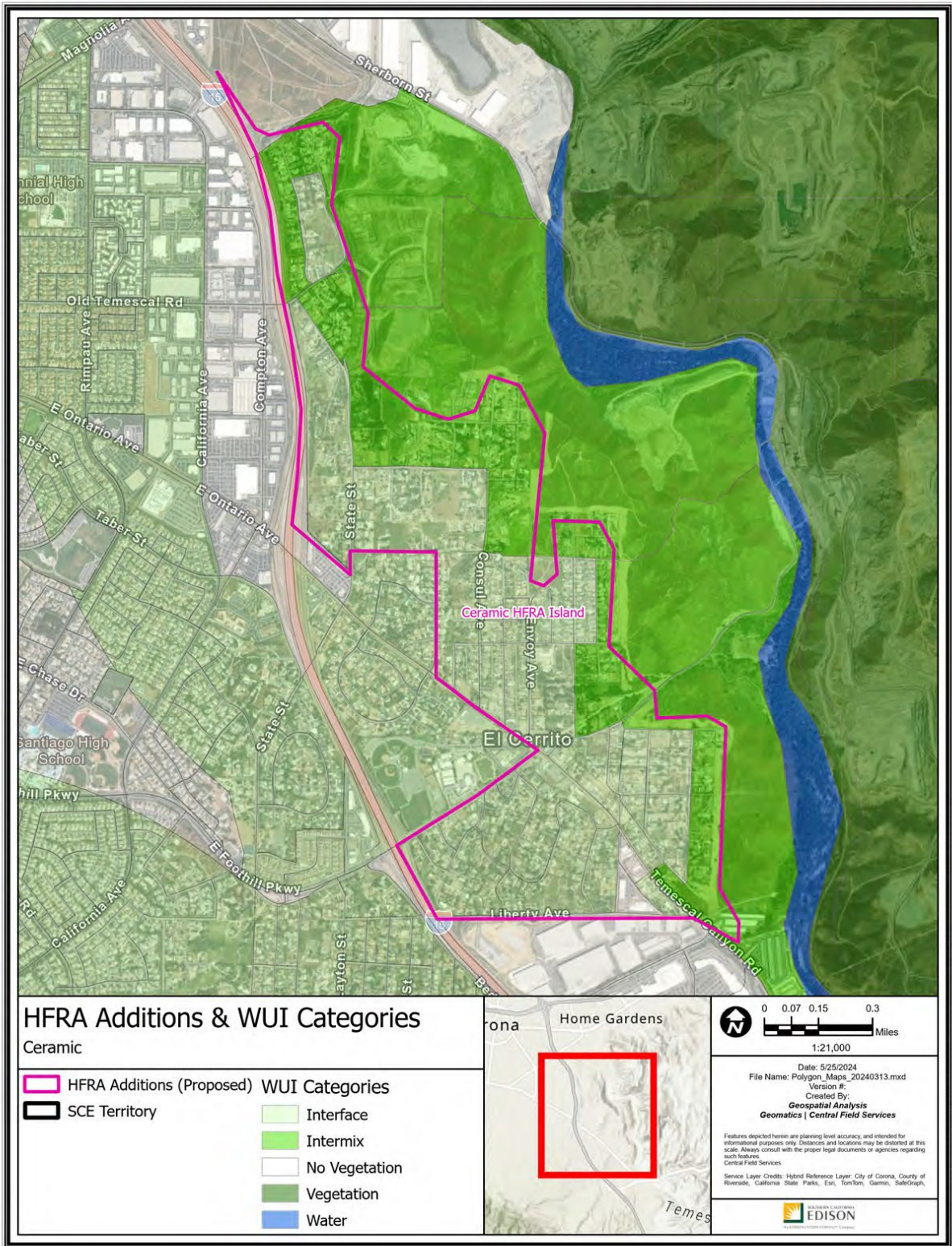
SCE proposes to include the Ceramic polygon as Tier 2 HFTD. This would extend existing Tier 2 HFTD to additional Wildland-Urban Interface containing a mix of urban areas with moderate fuel loads. This recommendation is also supported by the following facts:

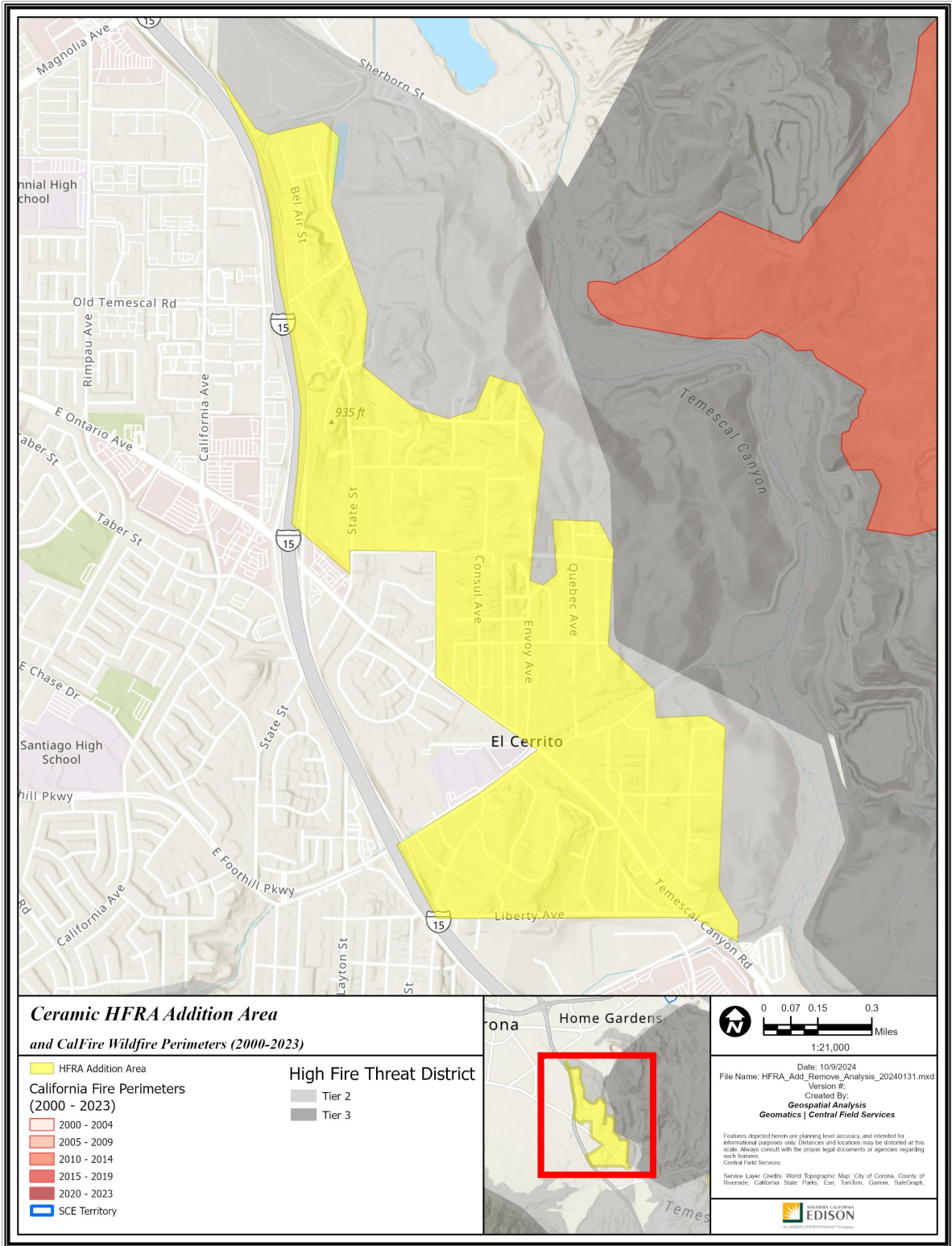
1. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
2. A fire in this polygon could spread to neighboring Tier 3 HFTD.
3. This polygon's boundaries are drawn along main roads and the 15 freeway as firebreaks.



Path: P:\PROJECTS\Special_HFRA_Revision_Analysis\Polygon_Maps_20240313.aprx



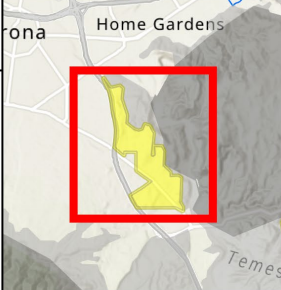




**Ceramic HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
- California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
- SCE Territory

- High Fire Threat District**
- Tier 2
 - Tier 3



0 0.07 0.15 0.3 Miles
1:21,000

Date: 10/9/2024
File Name: HFRA_Add_Remove_Analysis_20240131.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Central Field Services

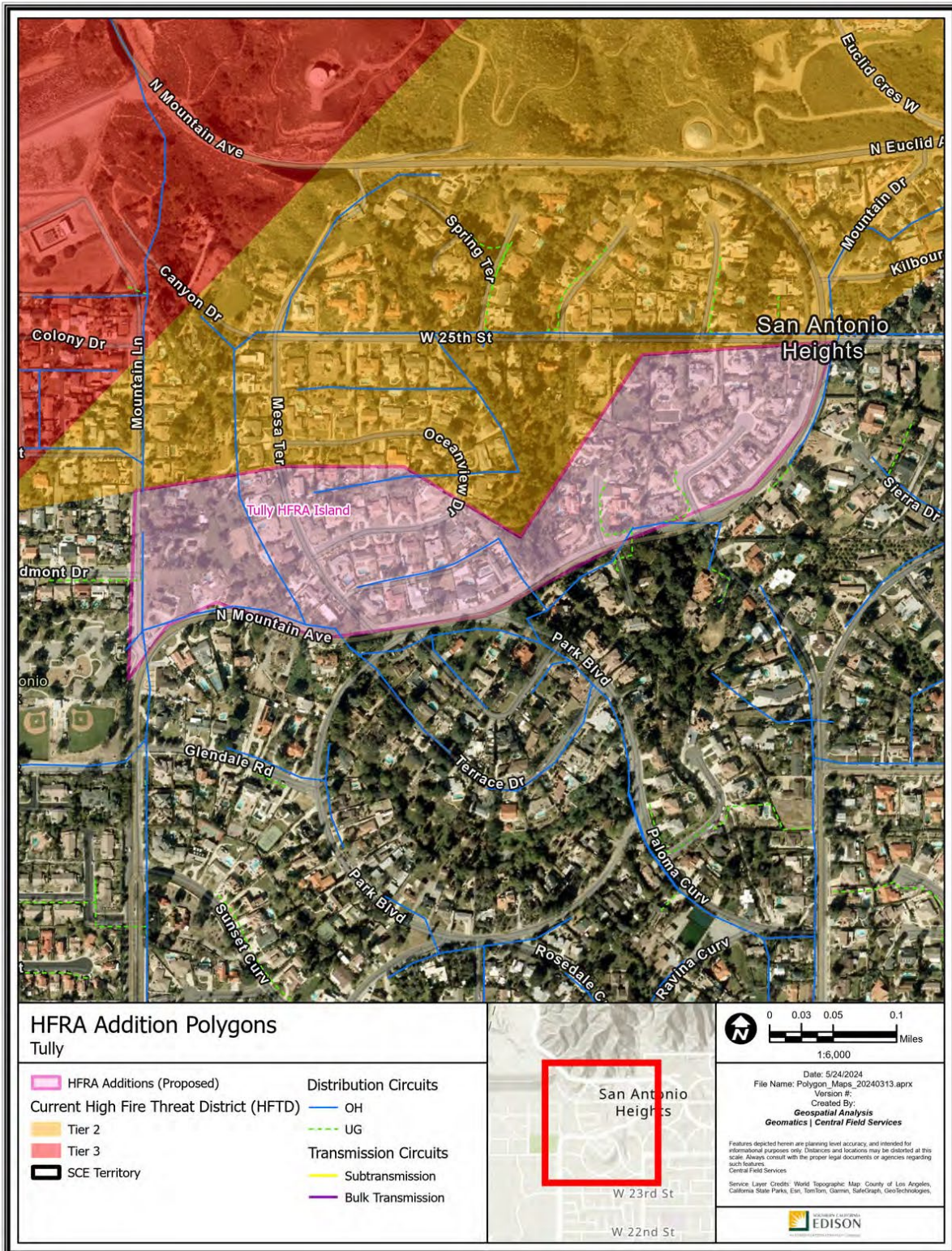
Service Layer Credits: World Topographic Map: City of Corona, County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph,

EDISON
AN ESCALANTE COMPANY

Path: P:\PROJECTS\Special_Projects\HFRA_Add_Remove_Analysis\HFRA_Add_Remove_Analysis_20240131.aprx

A24 – Tully

San Bernardino County
 -117.665922, 34.153516
 37 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 28.7% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 27.9% | Moderate Load Dry Climate Grass Shrub |
| 18.0% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 11.5% | Urban Core Surrounded by High Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 99.6% | 0.0% | 0.4% | 0.0% | 100% |

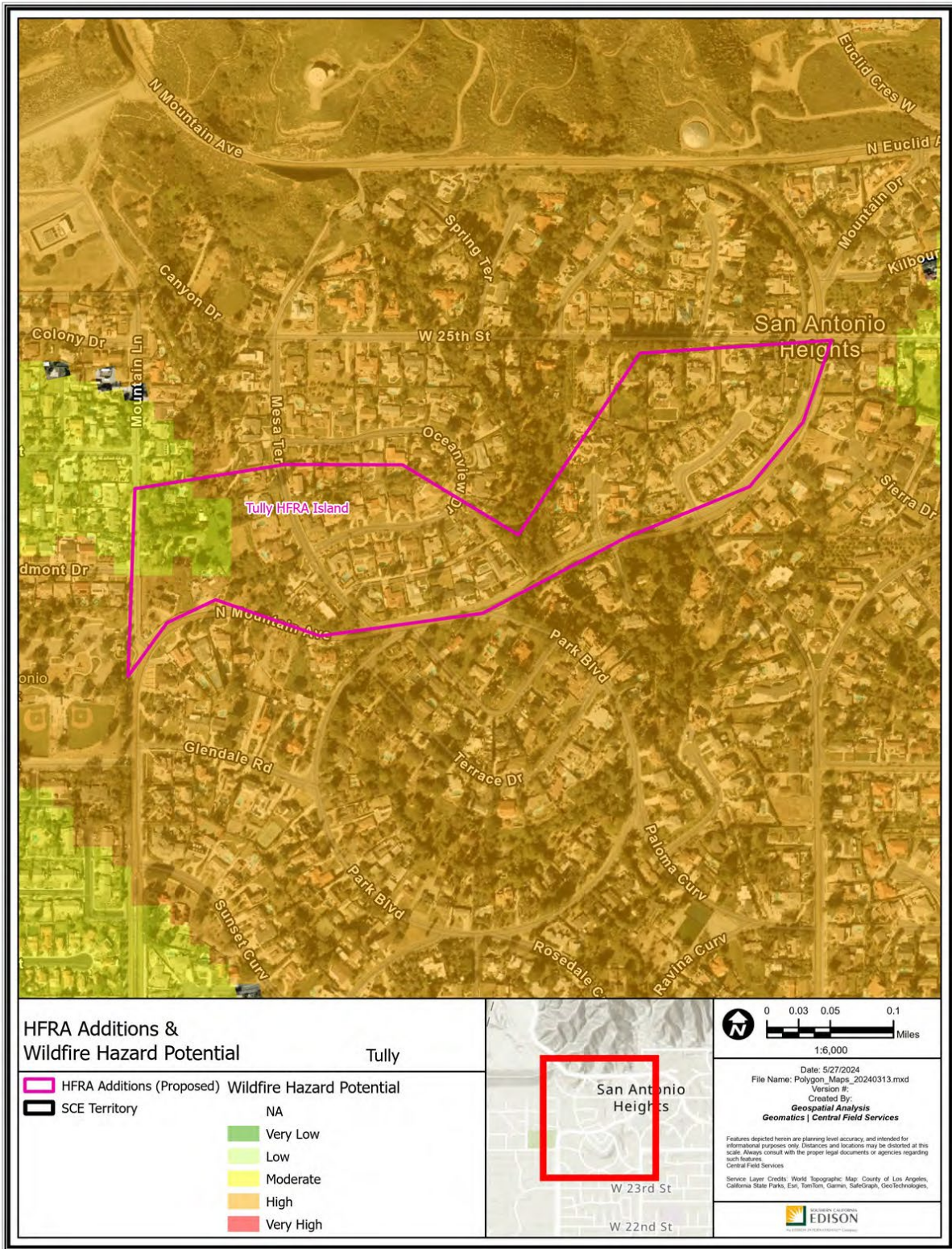
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.67 | 0.23 | 0 | 0 | 0 | 0.9 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 53 | 4.25° | 4: High | 2% |

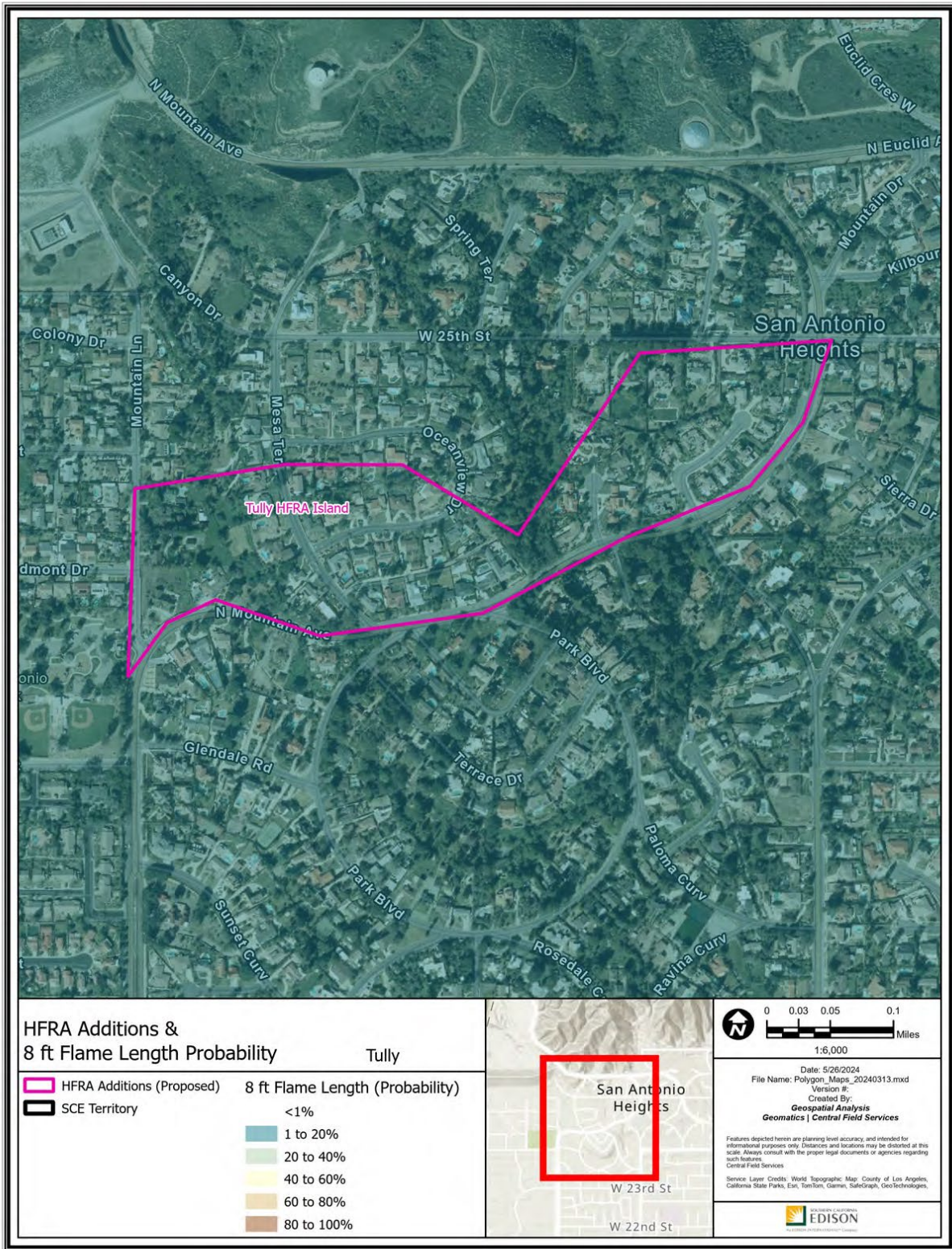
Recommendation:



SCE proposes to include the Tully polygon as Tier 2 HFTD. This addition would extend existing Tier 2 HFTD further south into the heavily vegetated Wildland-Urban Interface along a wash in complex terrain consistent with adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

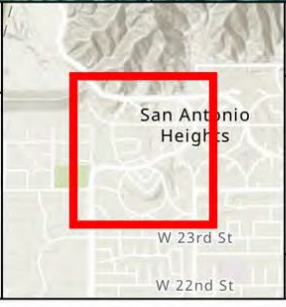
1. A fire in this polygon could spread to nearby Tier 3 HFTD.
2. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
4. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
5. Boundaries of the polygon were drawn using Mountain Avenue and Mountain Lane as firebreaks.




File: P:\PROJECTS\Segment_1\Progress\HFRA_Analysis\Polygon_Maps_20240313.mxd



| HFRA Additions & 8 ft Flame Length Probability | | Tully |
|---|---------------------------------|-------|
|  | HFRA Additions (Proposed) | |
|  | SCE Territory | |
| | 8 ft Flame Length (Probability) | |
| | <1% | |
| | 1 to 20% | |
| | 20 to 40% | |
| | 40 to 60% | |
| | 60 to 80% | |
| | 80 to 100% | |





 0 0.03 0.05 0.1 Miles
 1:6,000

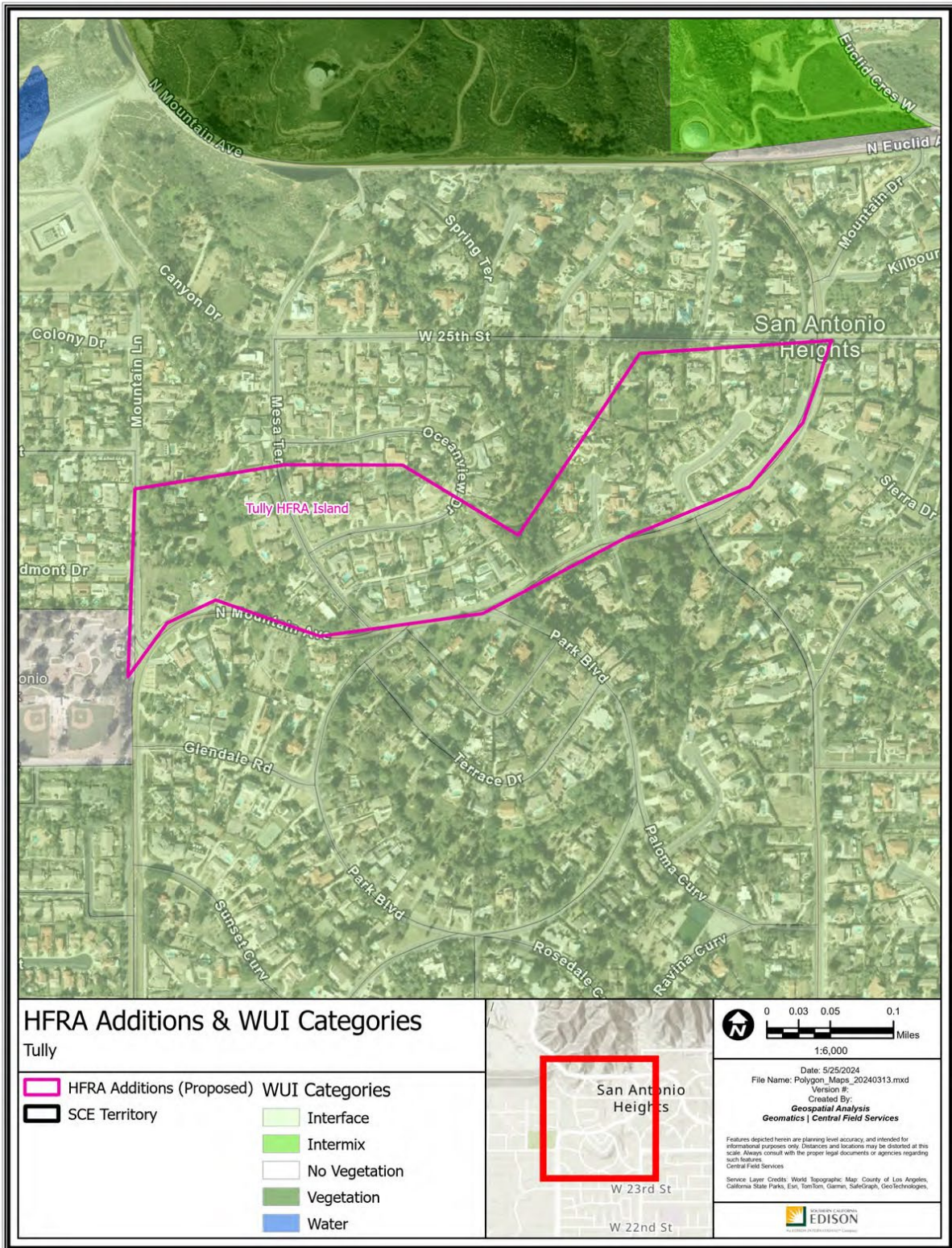
Date: 5/26/2024
 File Name: Polygon_Maps_20240313.mxd
 Version #: _____
 Created By: Geospatial Analysis
 Geomatics | Central Field Services

Features depicted herein are planning level accuracy, and intended for informational purposes only. Distances and locations may be distorted at this scale. Always consult with the proper legal documents or agencies regarding such features.
 Central Field Services

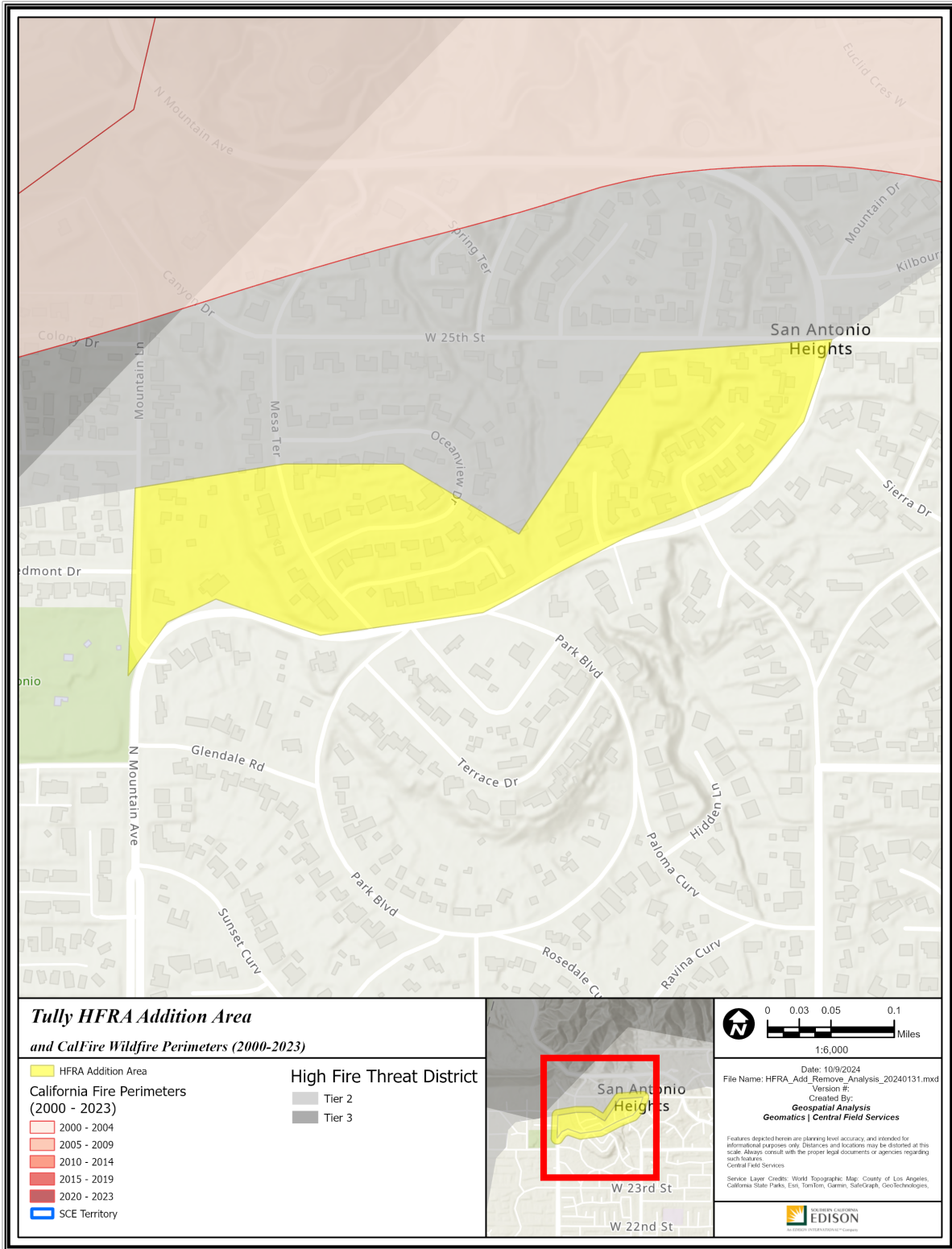
Service Layer Credits: World Topographic Map: County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies,



File Path: P:\PROJECTS\GIS\Segmental_Program\HFRA_Analysis\Polygon_Maps_20240313.aprx

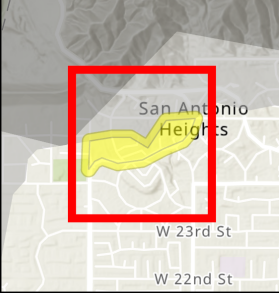


File: P:\PROJECTS\Segmental_Program\HFRA_Revision\Map_Analysis\Map_Analysis\Polygon_Maps_20240313.aprx



**Tully HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
- California Fire Perimeters (2000 - 2023)**
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
 - Tier 2
 - Tier 3



0 0.03 0.05 0.1 Miles
1:6,000

Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version: F
 Created By: Geospatial Analysis
 Geomatics | Central Field Services

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 Central Field Services

Service Layer Credits: World Topographic Map; County of Los Angeles; California State Parks; Esri; TomTom; Garmin; SafeGraph; GeoTechnologies.

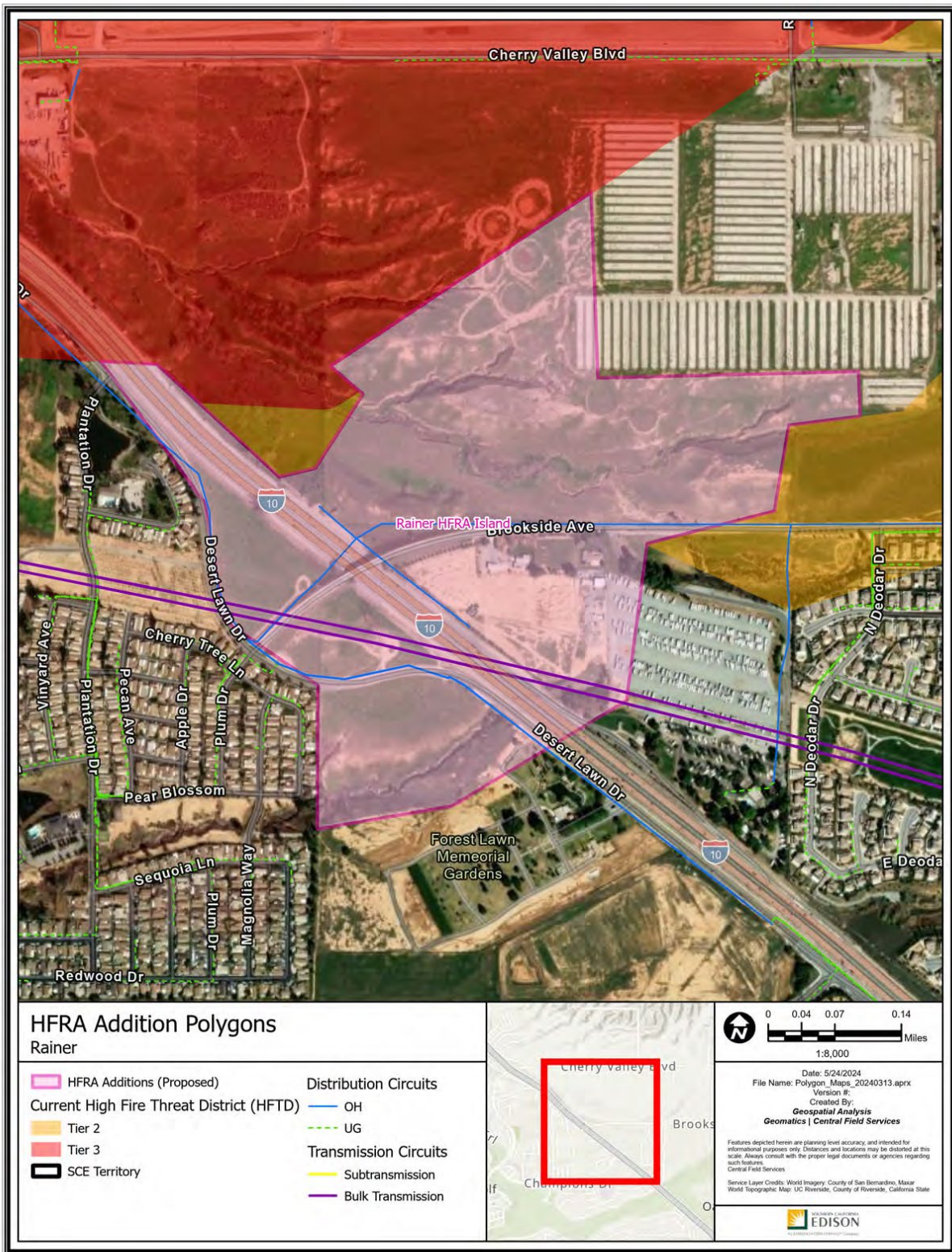
Path: P:\PROJECTS\Special_Programs\HFRA_Remove_Analysis\HFRA_Add_Remove_Analysis_20240131.aprx

A25 – Rainer

Riverside County

-117.022335, 33.961495

145 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 45.8% | Moderate Load Dry Climate Grass Shrub |
| 19.7% | Low Load Dry Climate Grass |
| 14.1% | Major Roads Surrounded by Low Fire Behavior Fuel |
| 8.6% | Short Sparse Dry Climate Grass |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.3% | 23.2% | 61.2% | 15.3% | 0.0% | 100% |

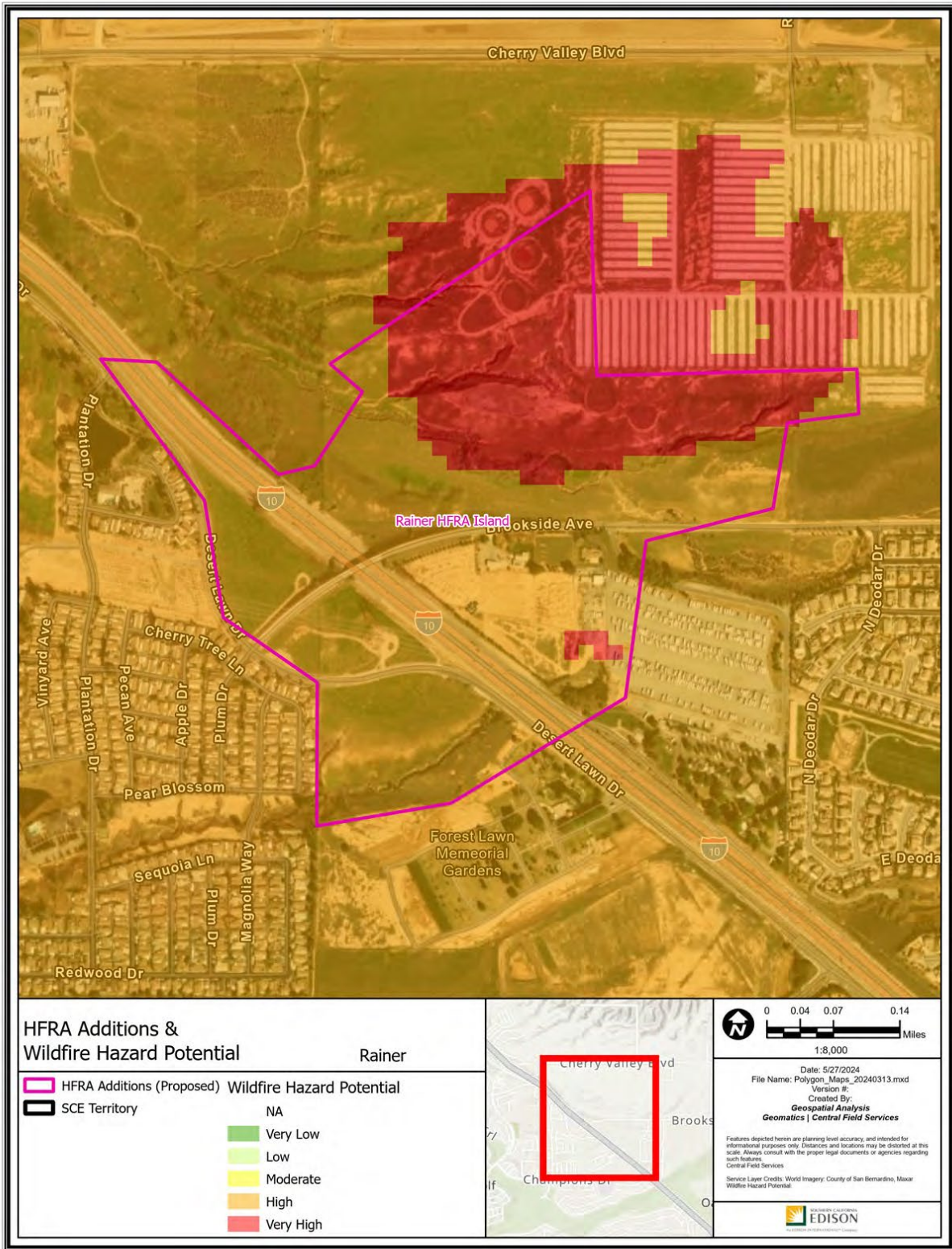
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 1.52 | 0 | 0 | 0 | 1.74 | 3.26 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 4 | 2.08° | 5: Very High | 19% |

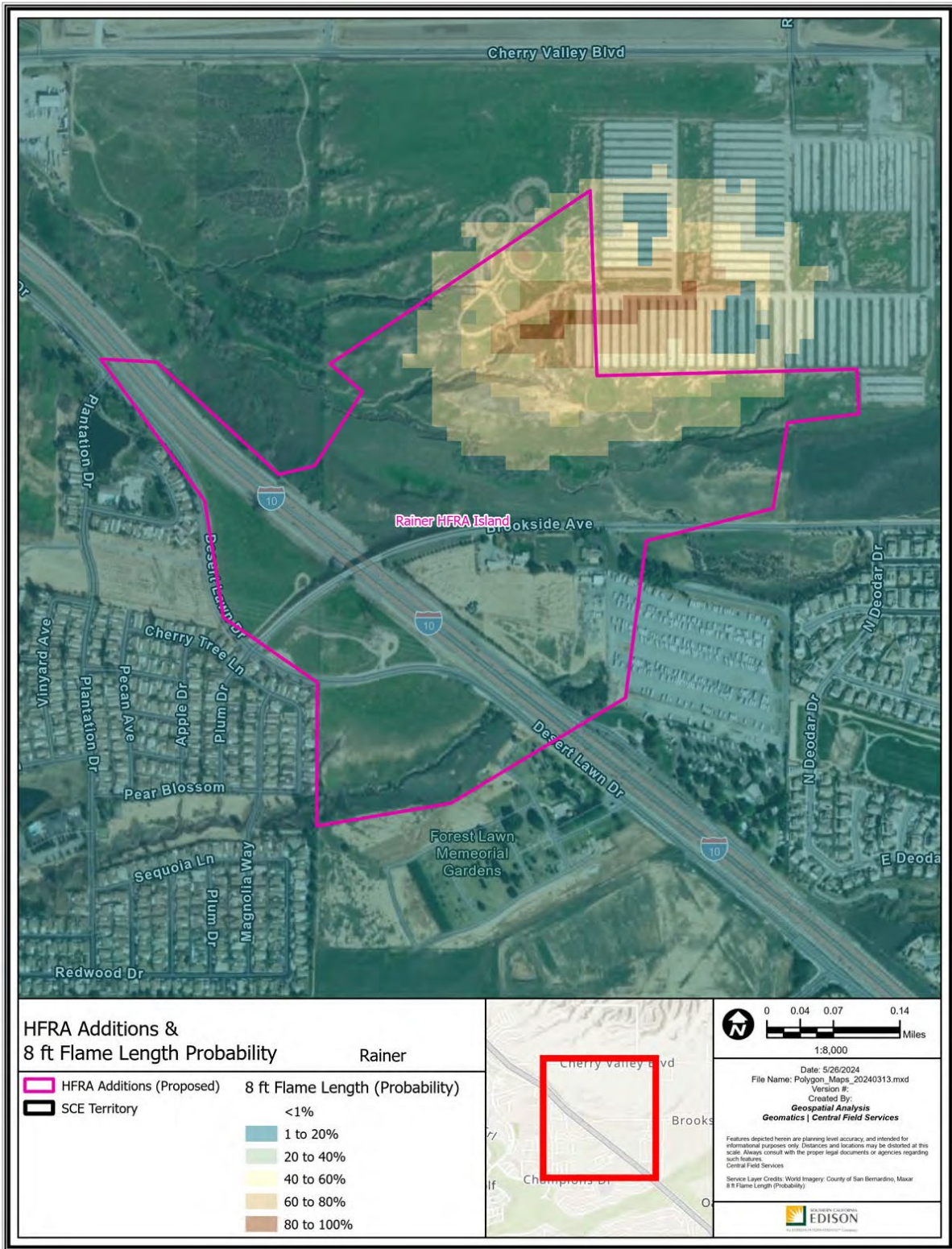
Recommendation:

SCE proposes to include the Rainer polygon as Tier 3 HFTD. This would extend the boundary of existing Tier 3 HFTD to include complex terrain and moderate fuel loads consistent with existing Tier 3 HFTD to the north. This recommendation is also supported by the following facts:

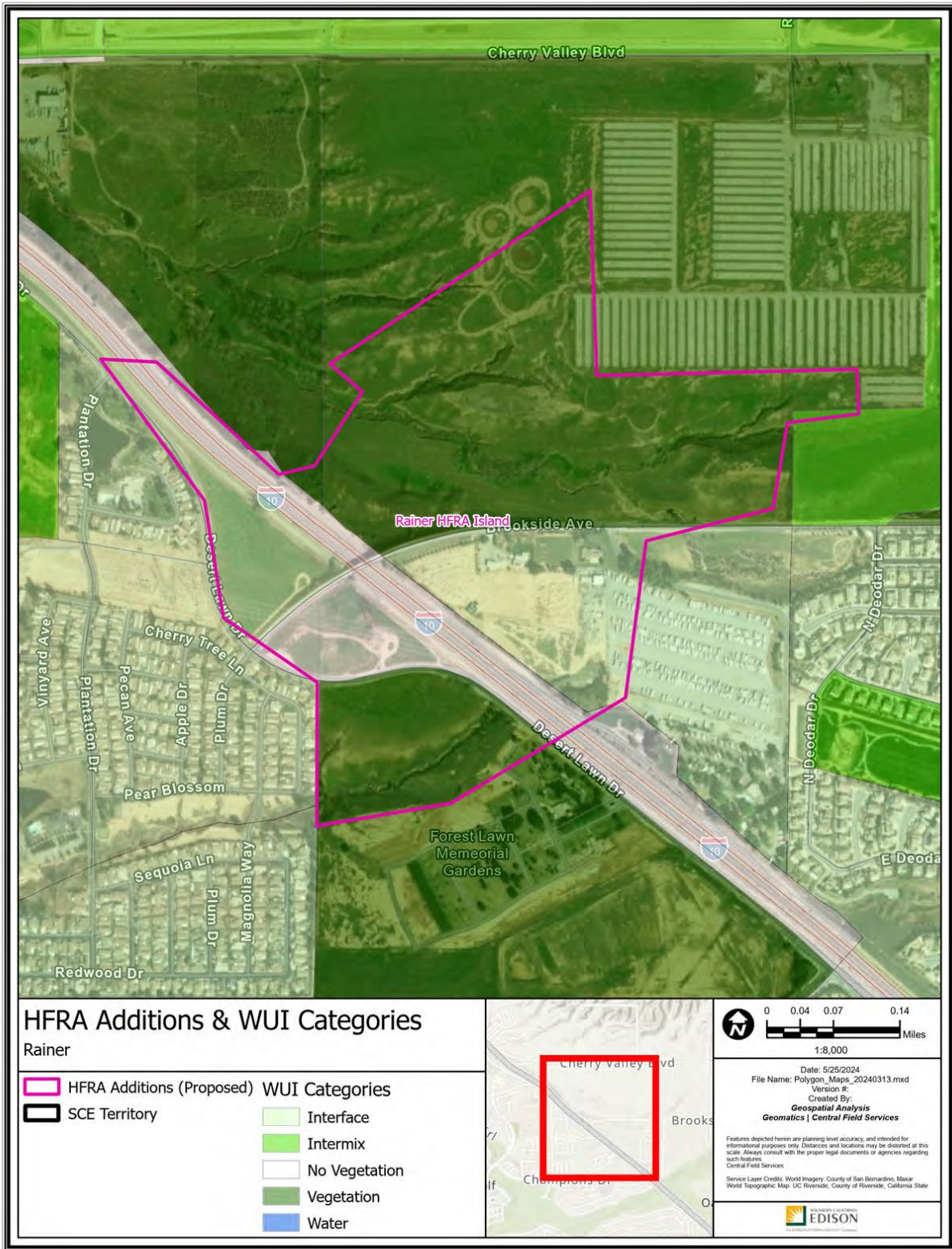
1. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
2. Very High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
3. Boundaries of this polygon were drawn along Desert Lawn Drive, the edge of irrigated Forest Lawn Memorial Gardens, consistent with the Tier 3 HFTD to the northwest crossing the I-10 freeway with motorists causing increased ignition risk.



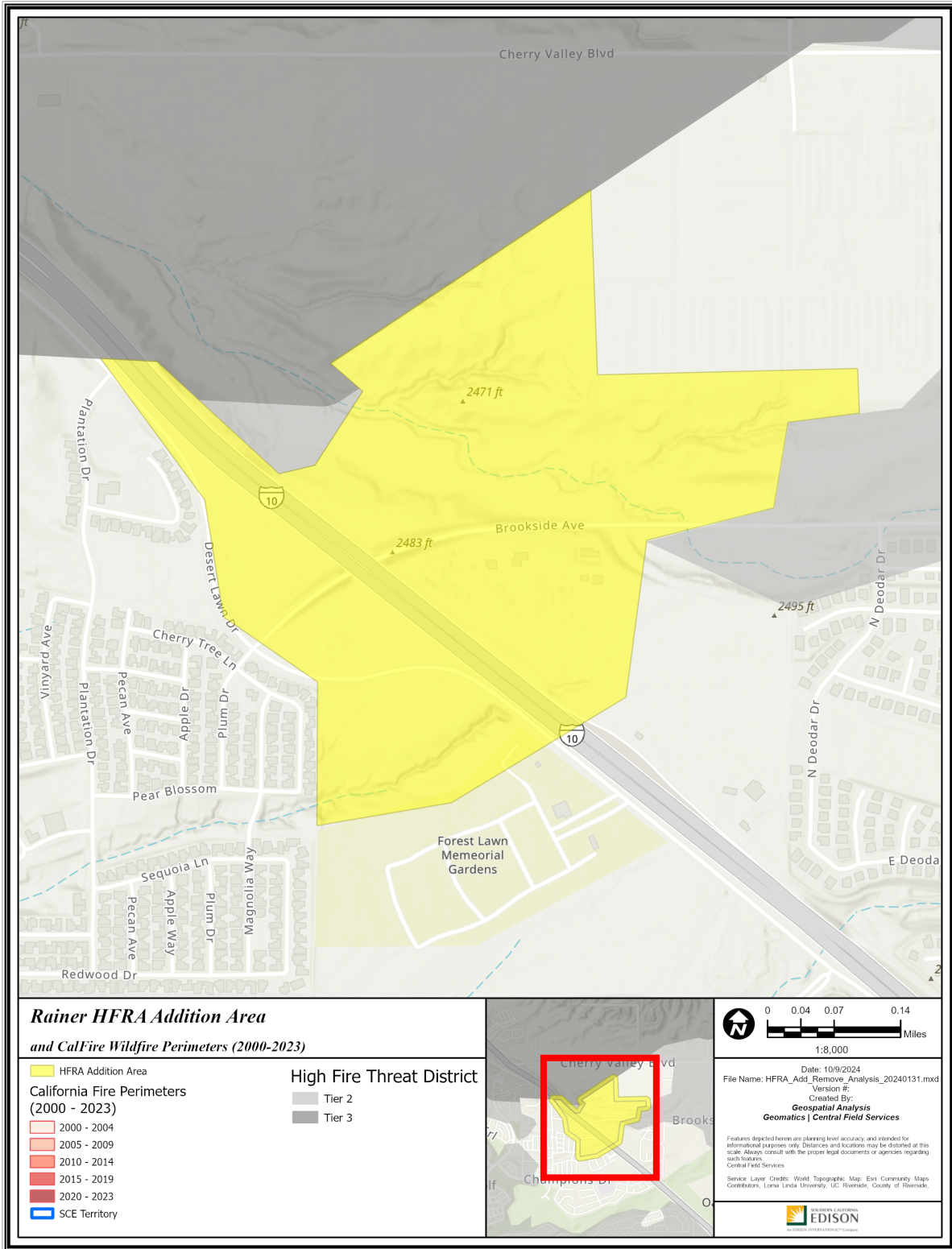
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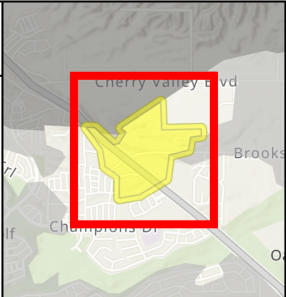


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**Rainer HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)**
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
 - Tier 2
 - Tier 3



0 0.04 0.07 0.14
Miles
1:8,000

Date: 10/9/2024
File Name: HFRAdd_Remove_Analysis_20240131.mxd
Version: F
Created By:
**Geospatial Analysis
Geomatics | Central Field Services**

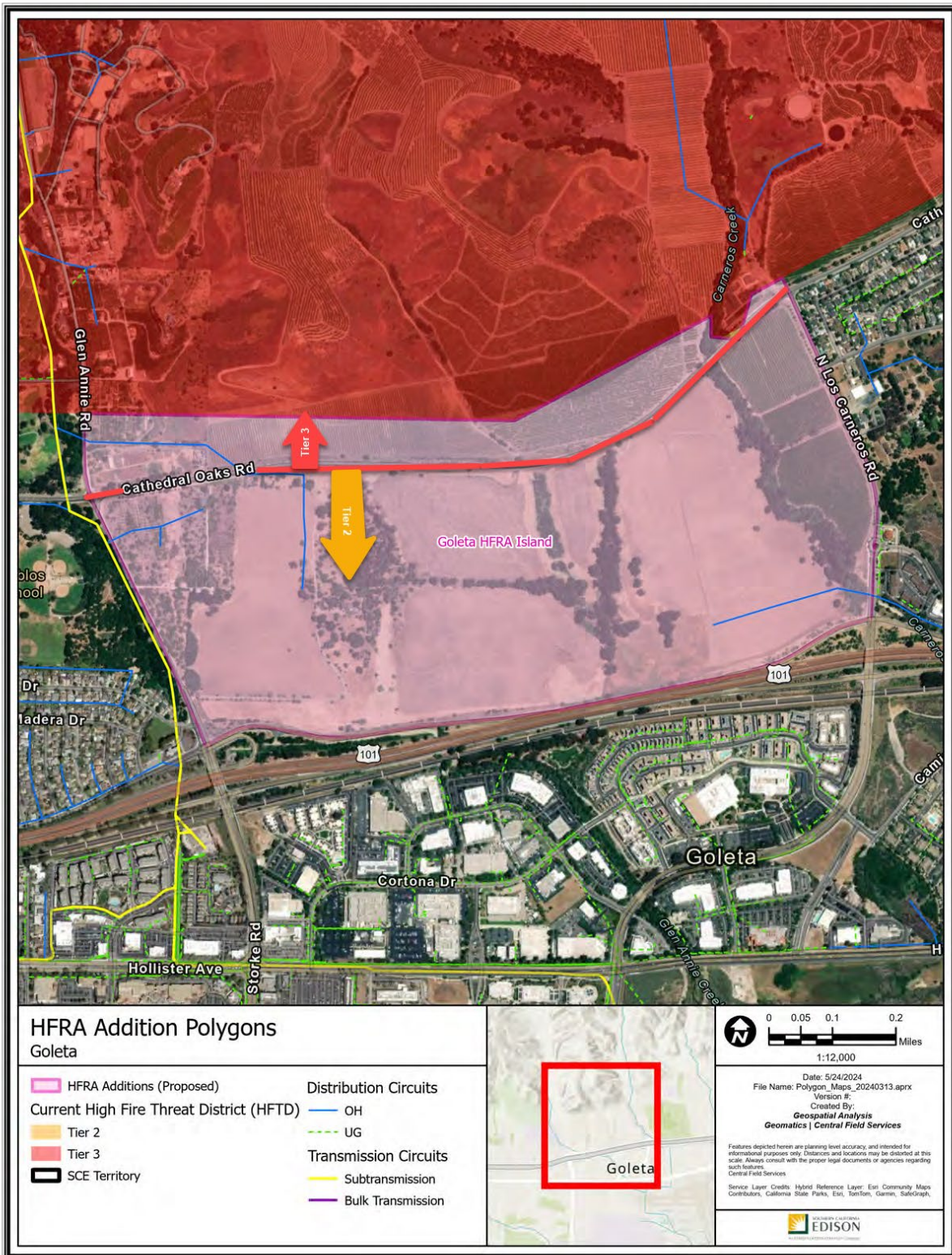
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Central Field Services

Service Layer Credits: World Topographic Map: Esri Community Maps
Contributors: Loma Linda University, UC Riverside, County of Riverside.

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A26 – Goleta

Santa Barbara County
 -119.863226, 34.440077
 372 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 55.3% | Low Load Dry Climate Grass |
| 13.1% | Agricultural Fields Maintained in a Non Burnable Condition |
| 9.3% | Timber Litter |
| 7.8% | Moderate Load Dry Climate Grass Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.1% | 2.8% | 94.2% | 0.1% | 2.8% | 100% |

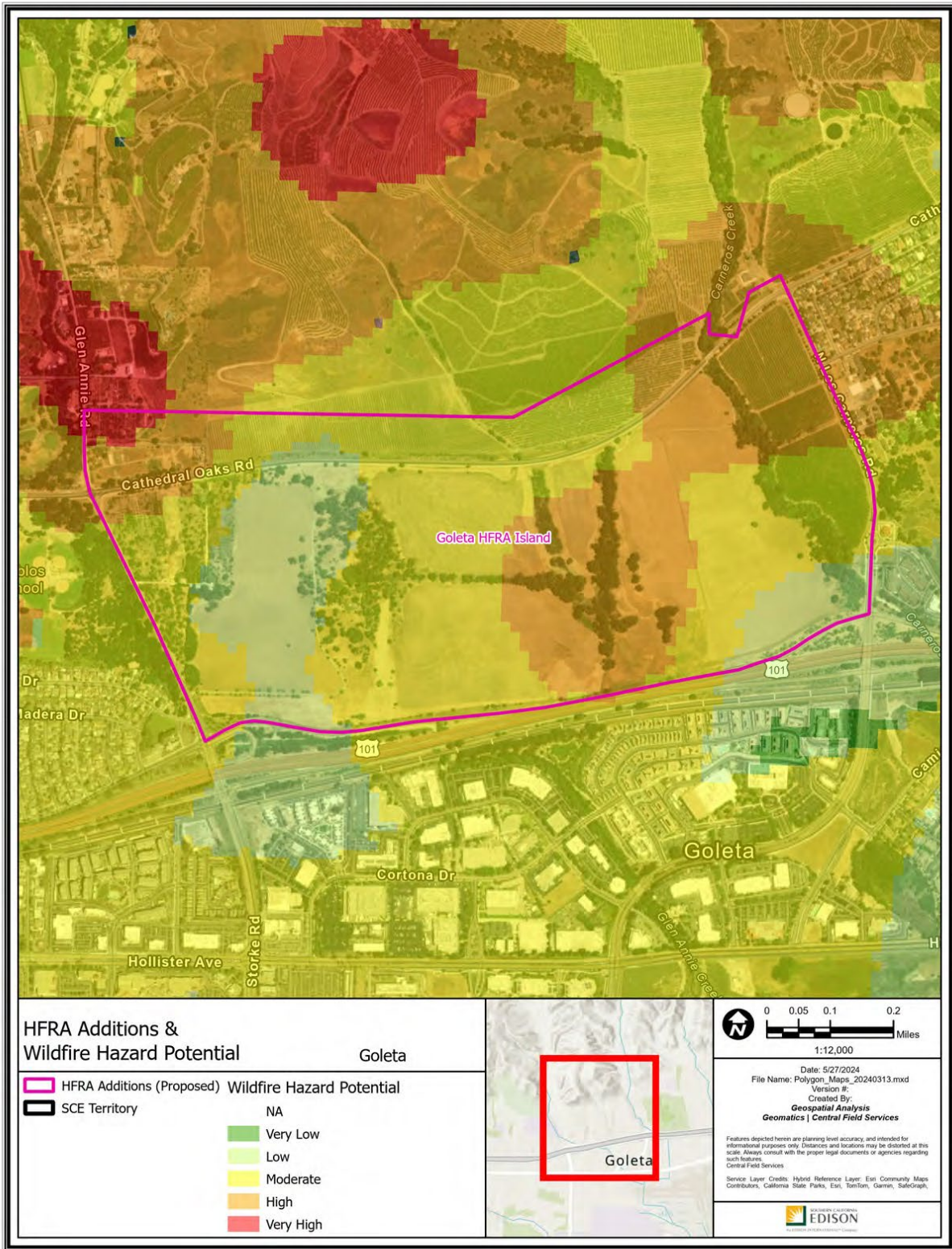
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.99 | 0 | 0 | 0 | 0 | 0.99 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 27 | 2.13° | 3: Moderate | 14% |

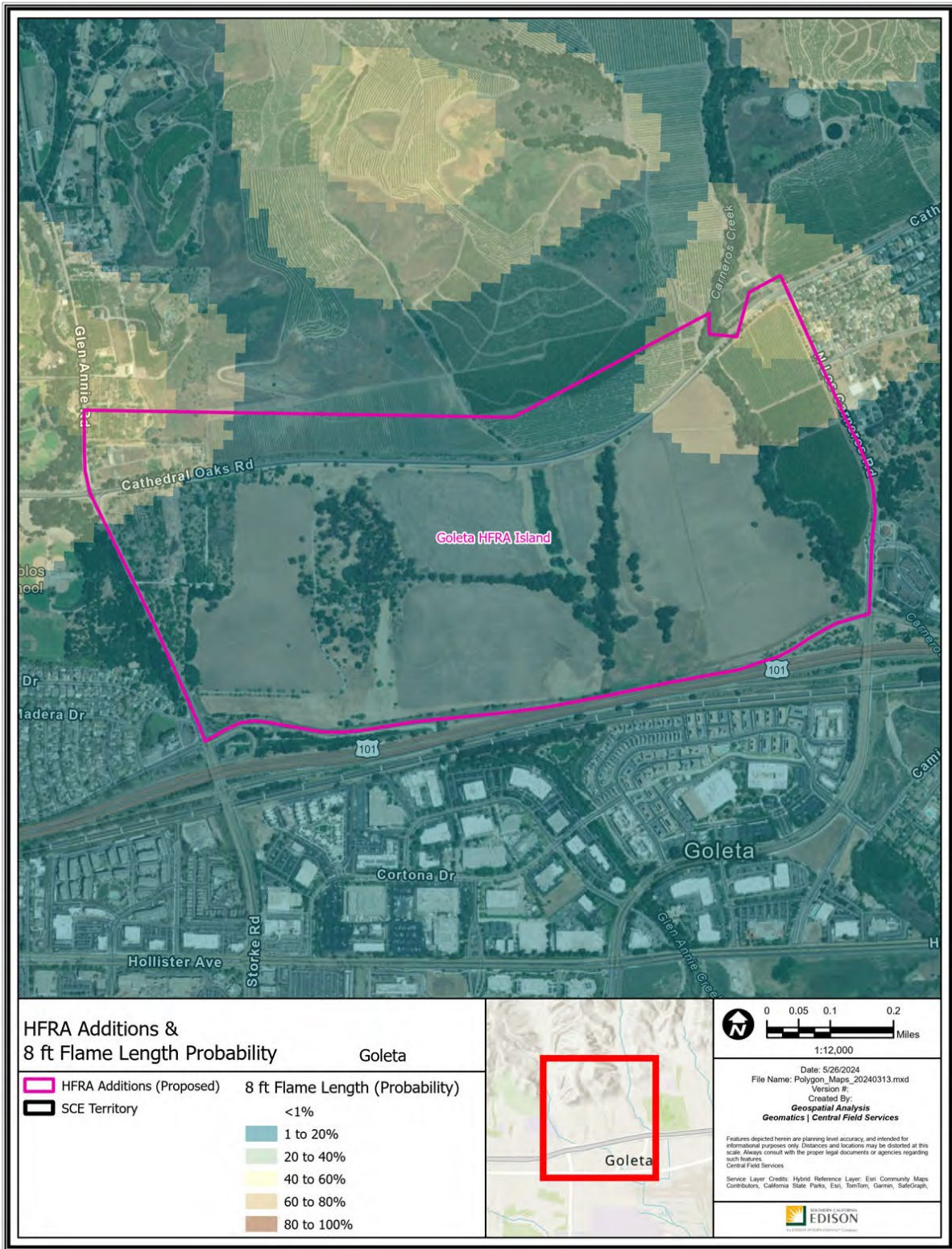
Recommendation:

SCE proposes to include the Goleta polygon as part Tier 2 and part Tier 3 HFTD. This addition would extend the existing HFTD boundary across unmaintained and unirrigated vegetation to the 101 freeway, where motorists cause increased ignition risk. This recommendation is also supported by the following facts:

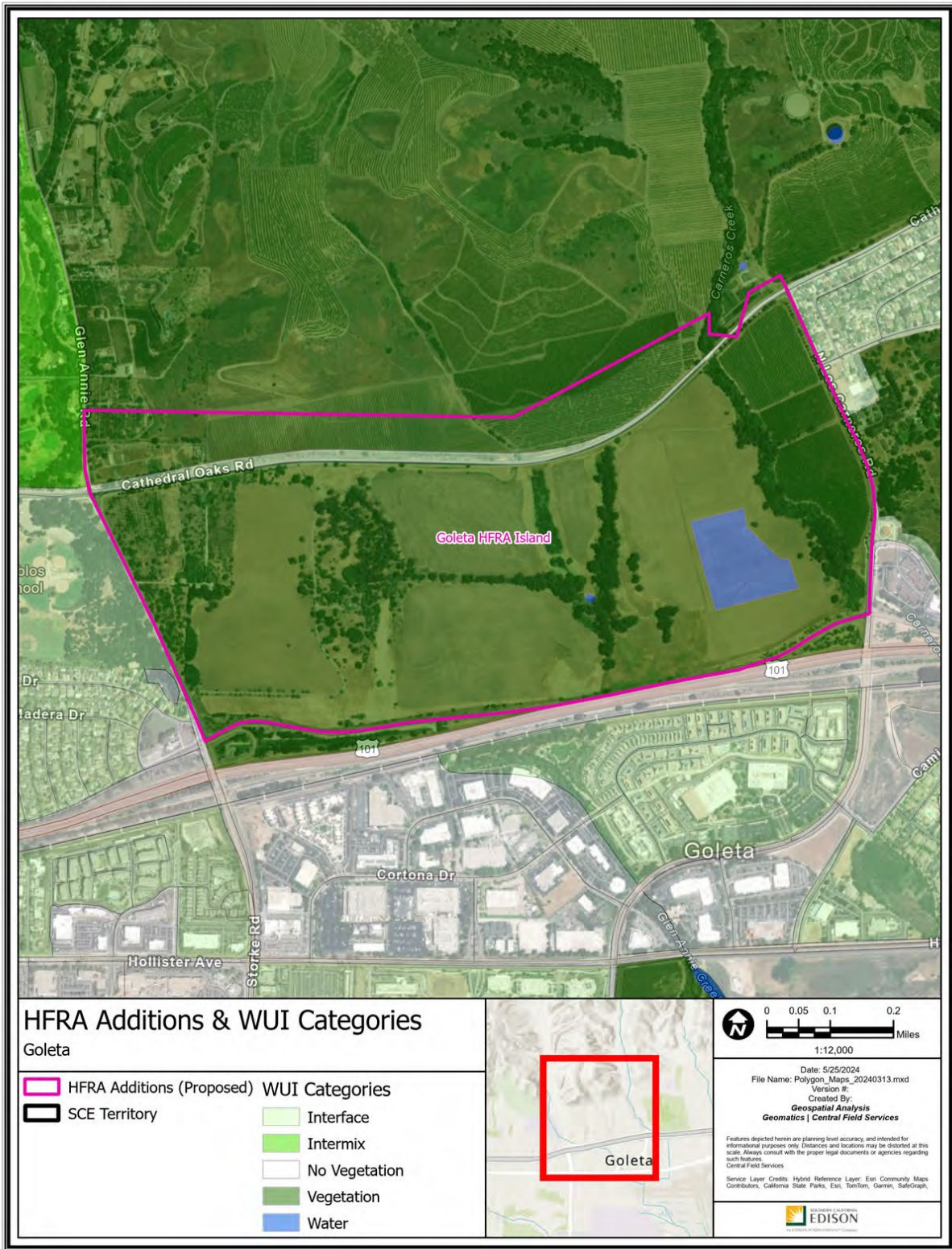
1. A fire in this polygon could spread to neighboring Tier 3 HFTD.
2. This addition is adjacent to areas that met threshold levels of IWMS criteria. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
3. The boundary for Tier 3 HFTD in this polygon is drawn along Cathedral Oaks Road as a firebreak.
4. The Tier 2 HFTD boundary in this polygon is drawn along Cathedral Oaks Road as a firebreak with Tier 3 HFTD to the north and the 101 as a firebreak with non-HFTD to the south.



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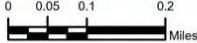


HFRA Additions & WUI Categories

Goleta

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |






 1:12,000

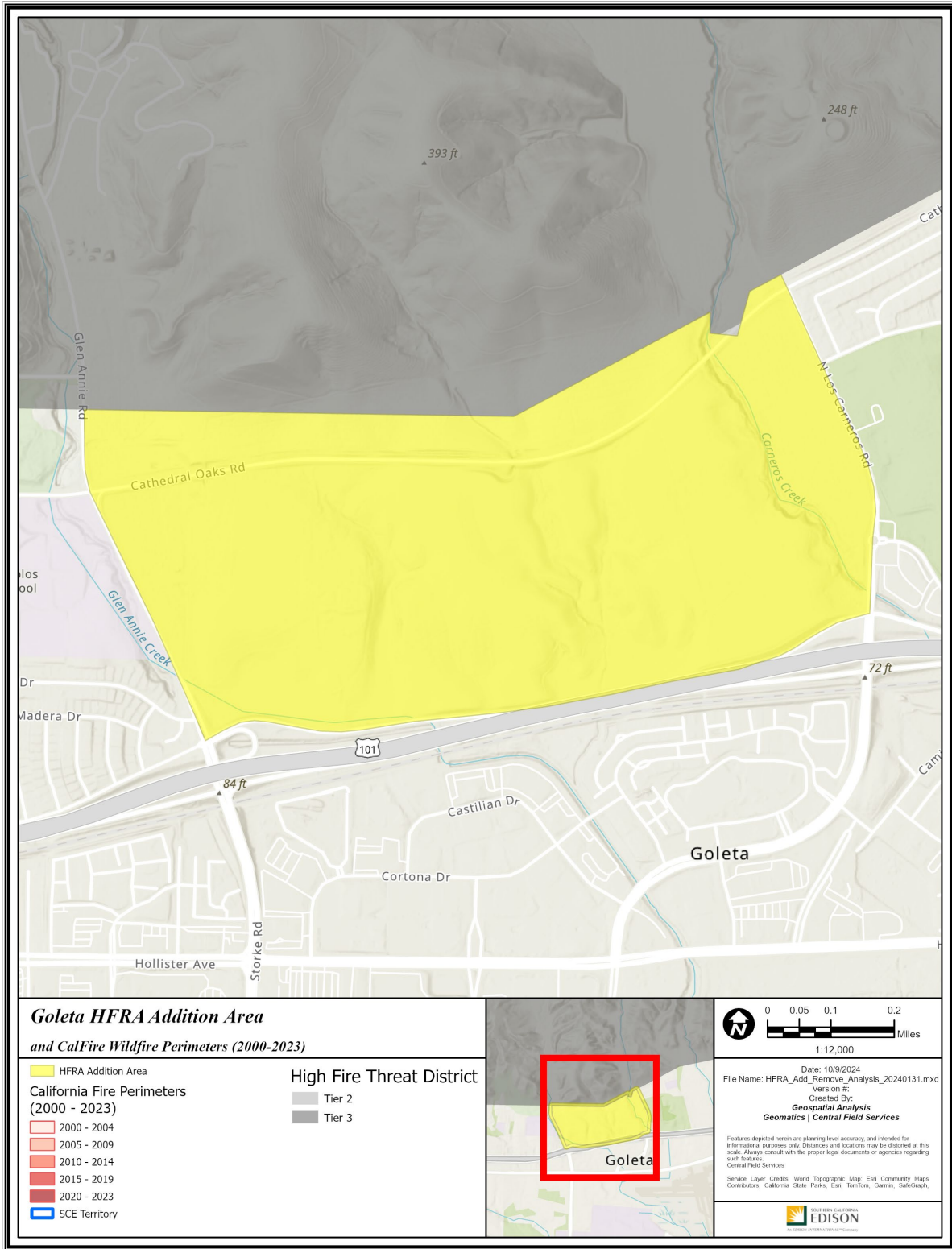
Date: 5/25/2024
 File Name: Polygon_Maps_20240313.mxd
 Version #: _____
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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 Central Field Services

Service Layer Credits: Hybrid Reference Layer: Esri Community Maps Contributors, California State Plats, Esri, TomTom, Garmin, SafeGraph;

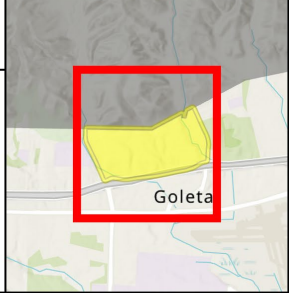


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**Goleta HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
 - California Fire Perimeters (2000 - 2023)**
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
 - SCE Territory
- High Fire Threat District**
 - Tier 2
 - Tier 3



0 0.05 0.1 0.2 Miles
 1:12,000

Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version: F
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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 Central Field Services

Service Layer Credits: World Topographic Map; Esri Community Maps Contributors, California State Parks, Esri, TomTom, Garmin, SafeGraph.

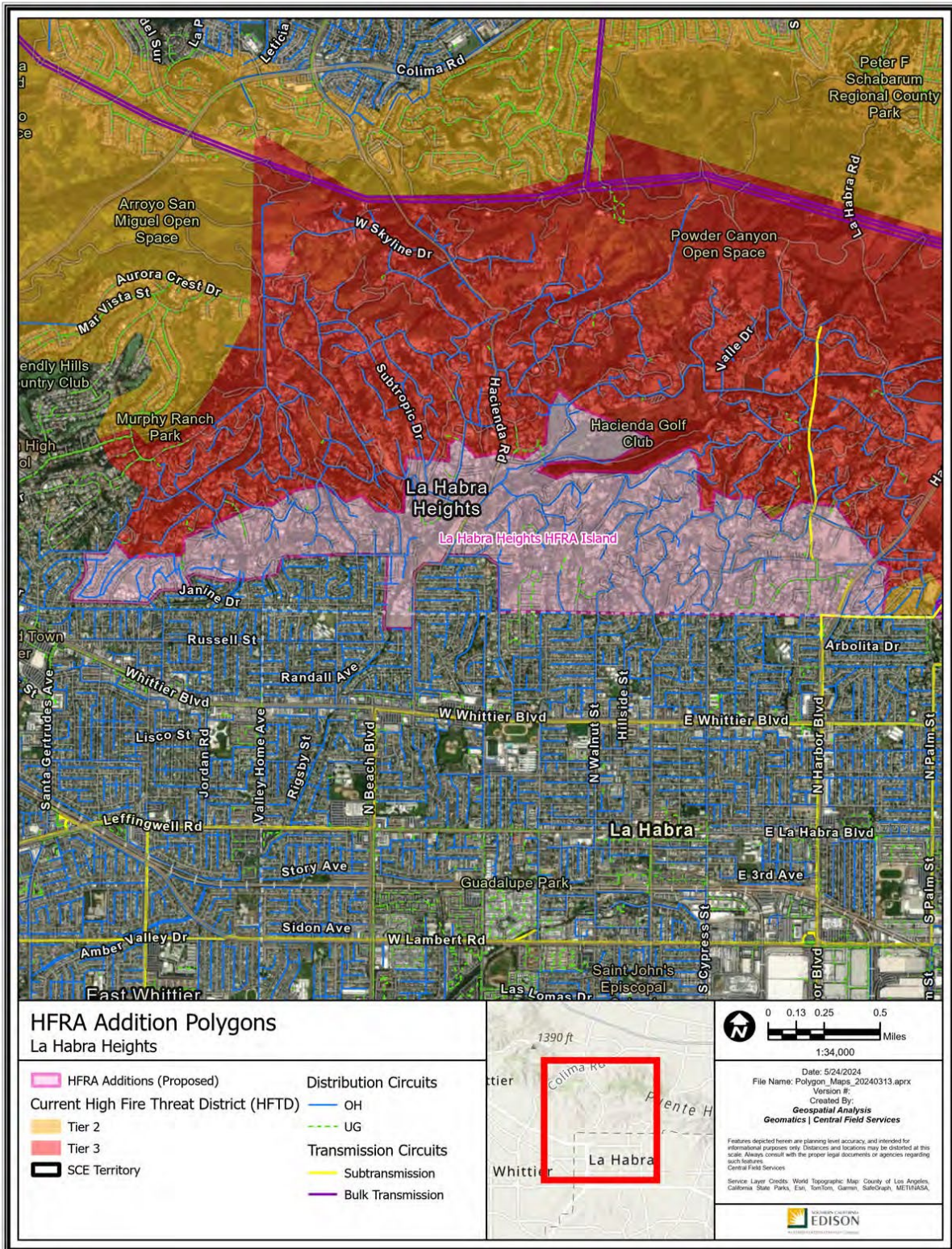
Path: P:\PROJECTS\Special_Programs\HFRA_Remove_Analysis\HFRA_Add_Remove_Analysis_20240131.aprx

A27 – La Habra Heights

Los Angeles & Orange County

-117.954876, 33.95055

1,001 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 43.6% | Moderate Load Dry Climate Grass Shrub |
| 14.0% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 12.0% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 4.2% | Golf Courses Non Burnable No Encroachment |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 49.5% | 0.0% | 50.5% | 0.0% | 100% |

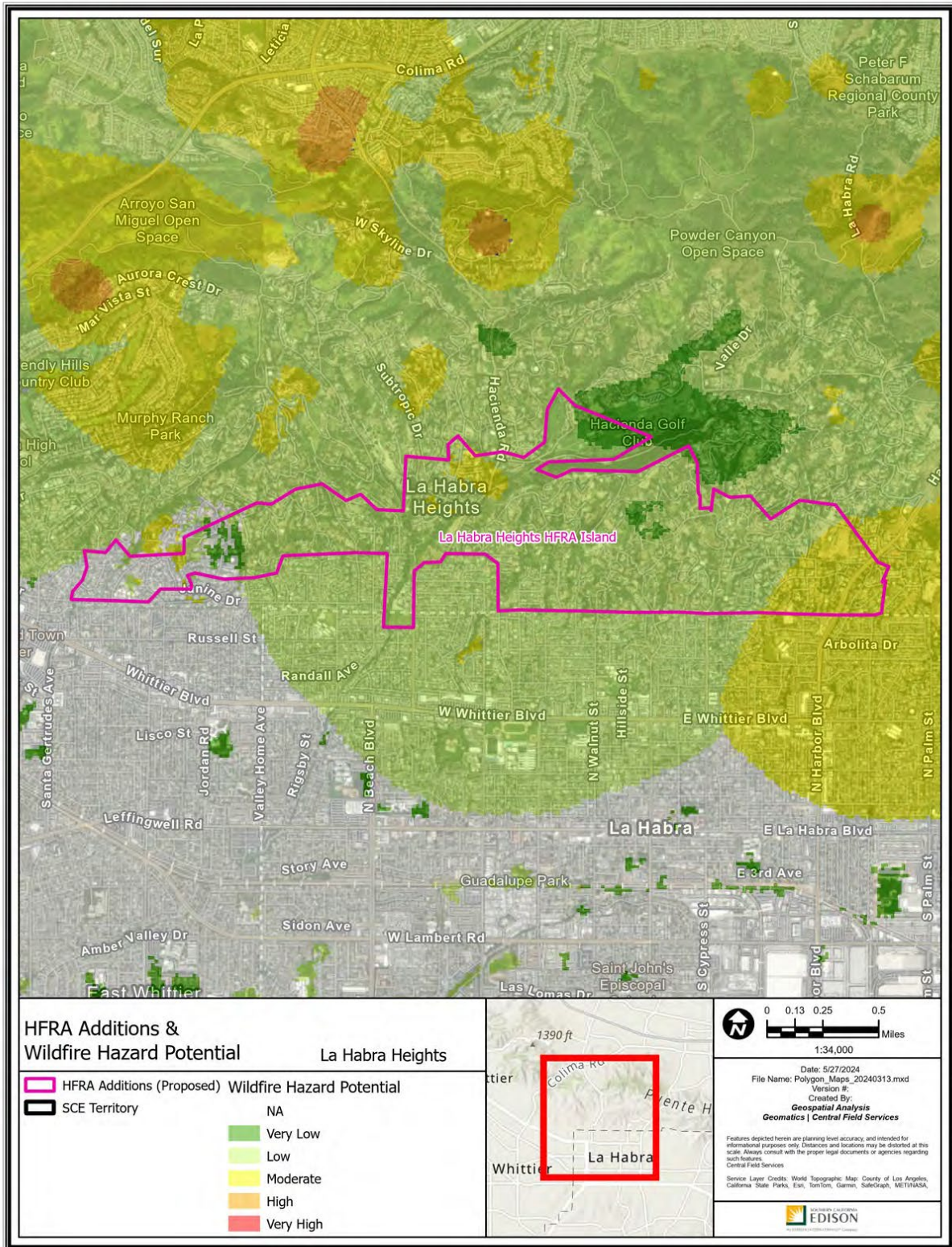
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 17.26 | 3.96 | 0.63 | 0 | 0 | 21.85 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 1,062 | 4.73° | 2: Low | 6% |

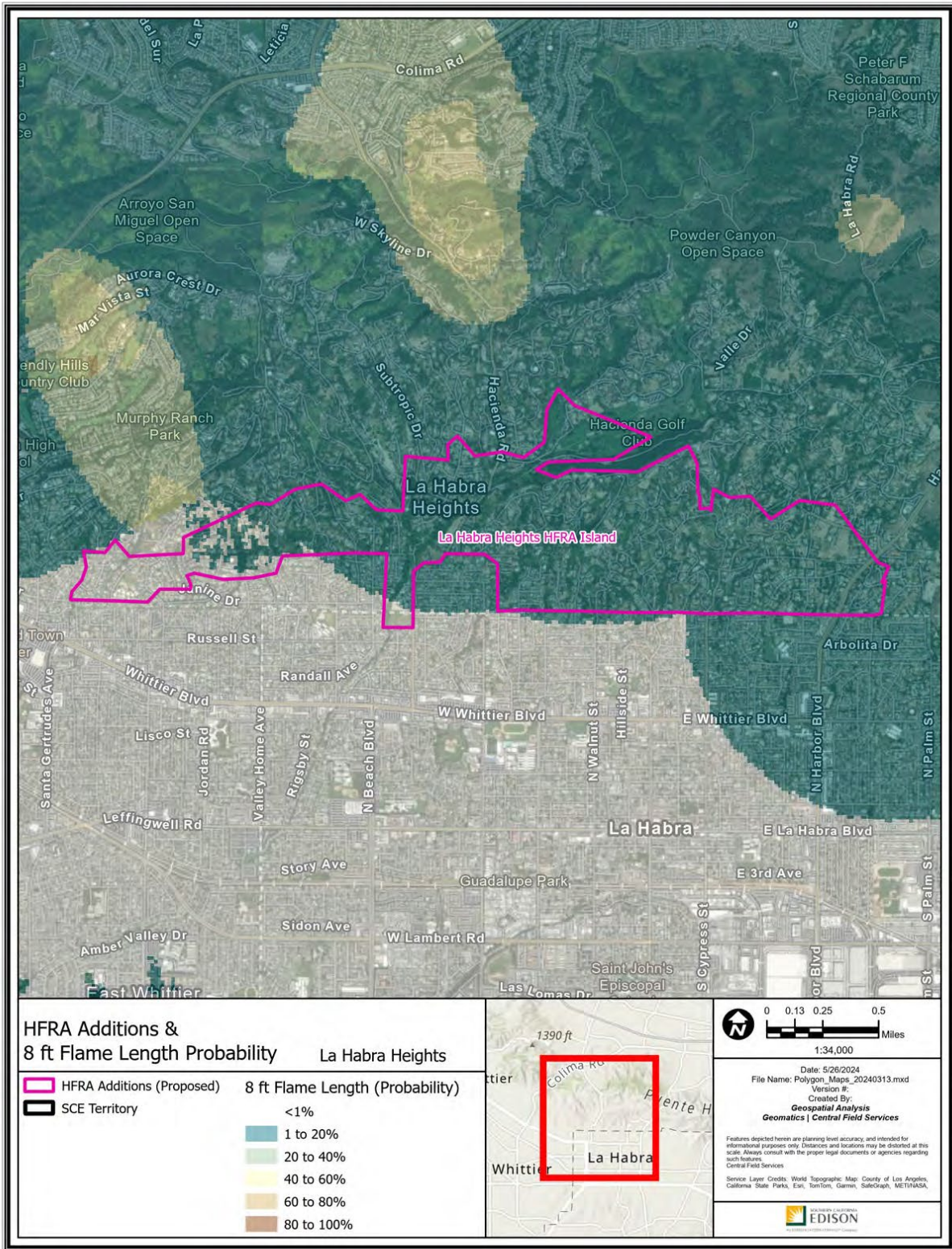
Recommendation:

SCE proposes to include the La Habra Heights polygon as Tier 2 HFTD. This would extend existing Tier 3 HFTD to include Wildland-Urban Interface featuring complex terrain and moderate fuel loads. This recommendation is also supported by the following facts:

1. A fire in this polygon could spread to neighboring Tier 3 HFTD.
2. Wildland-Urban Interface in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
4. Polygon boundaries are drawn along terrain at the foot of La Habra Heights and major roadways such as Avocado Crest Road and Janine Road, including Murphy Ranch Elementary School.



File: P:\PROJECTS\Segmental_Programs\HFRA_Revision\Analysis\Polygon_Maps_20240313.aprx



HFRA Additions & 8 ft Flame Length Probability

La Habra Heights

HFRA Additions (Proposed)

SCE Territory

| 8 ft Flame Length (Probability) |
|---------------------------------|
| <1% |
| 1 to 20% |
| 20 to 40% |
| 40 to 60% |
| 60 to 80% |
| 80 to 100% |



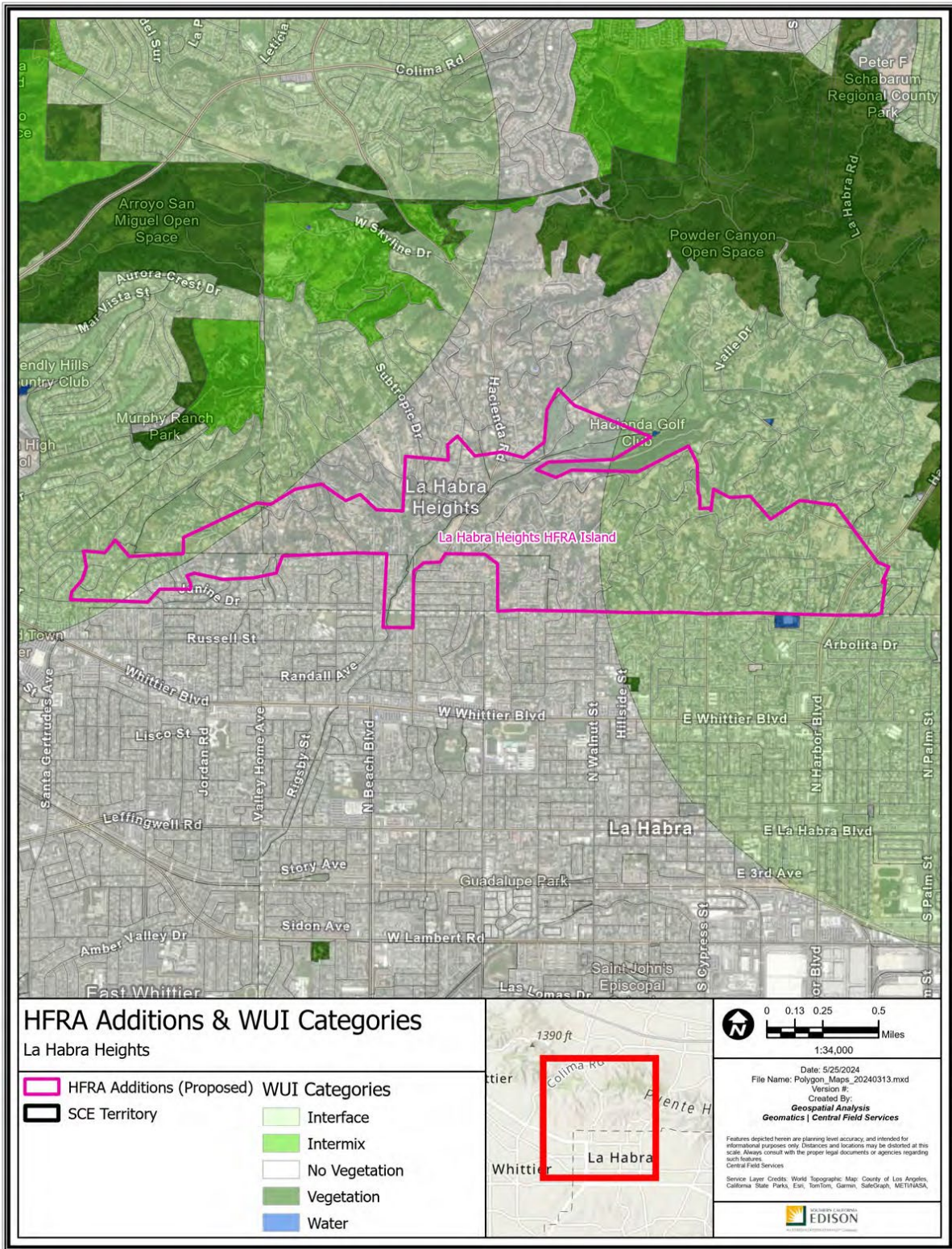
0 0.13 0.25 0.5 Miles
 1:34,000

Date: 5/26/2024
 File Name: Polygon_Maps_20240313.mxd
 Version #: _____
 Created By: Geospatial Analysis
 Geomatics | Central Field Services

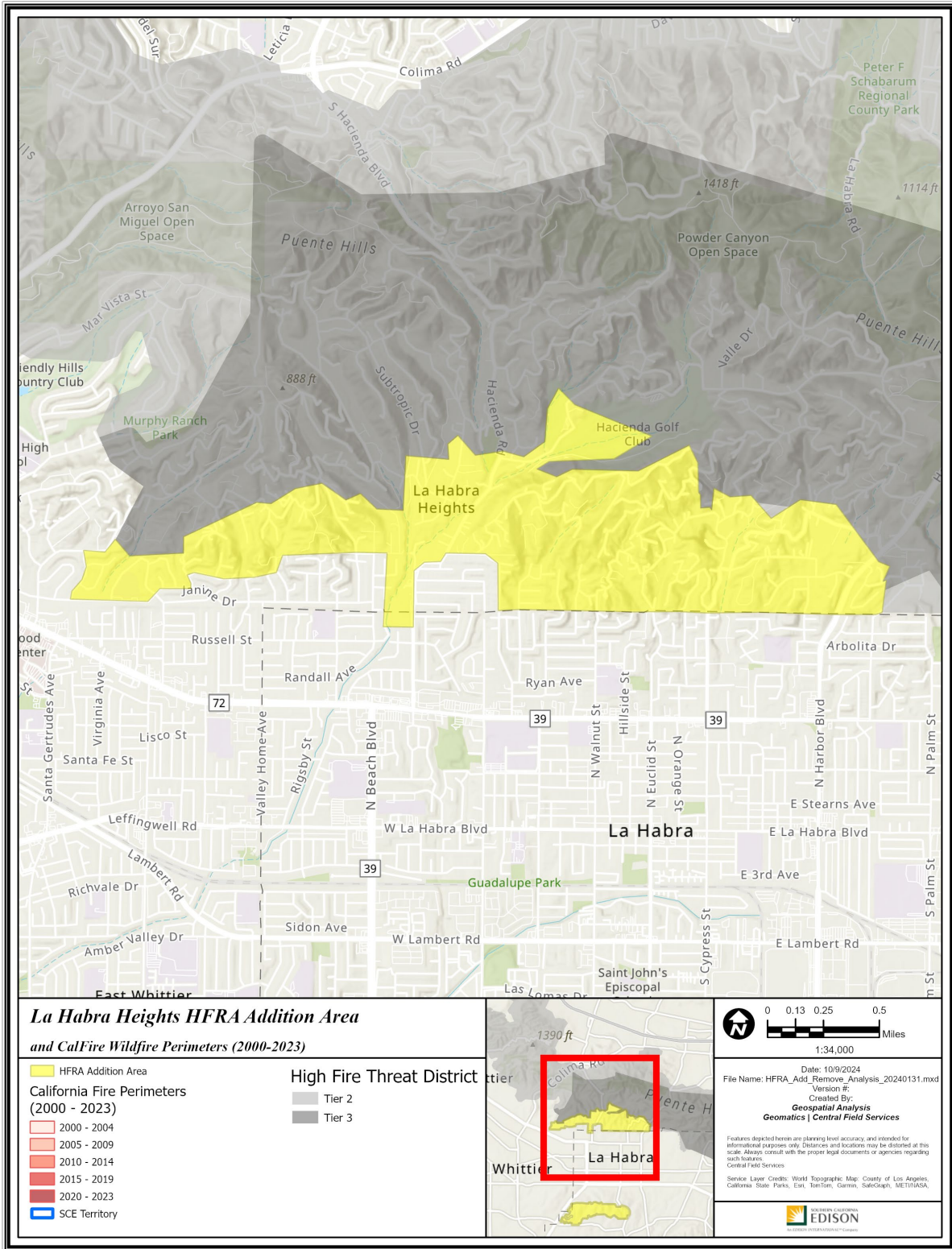
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 Central Field Services

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File: P:\PROJECTS\Segmental_Program\HFRA_Analysis\Polygon_Maps_20240313.aprx



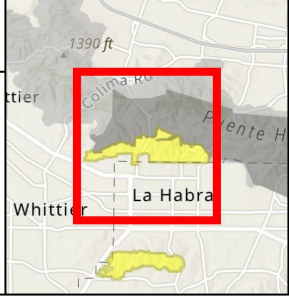
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**La Habra Heights HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**

- HFRA Addition Area
- California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
- SCE Territory

- High Fire Threat District**
- Tier 2
 - Tier 3



0 0.13 0.25 0.5 Miles
1:34,000

Date: 10/9/2024
File Name: HFRA_Add_Remove_Analysis_20240131.mxd
Version #:
Created By:
Geospatial Analysis
Geomatics | Central Field Services

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Central Field Services

Service Layer Credits: World Topographic Map: County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, METRISAA.

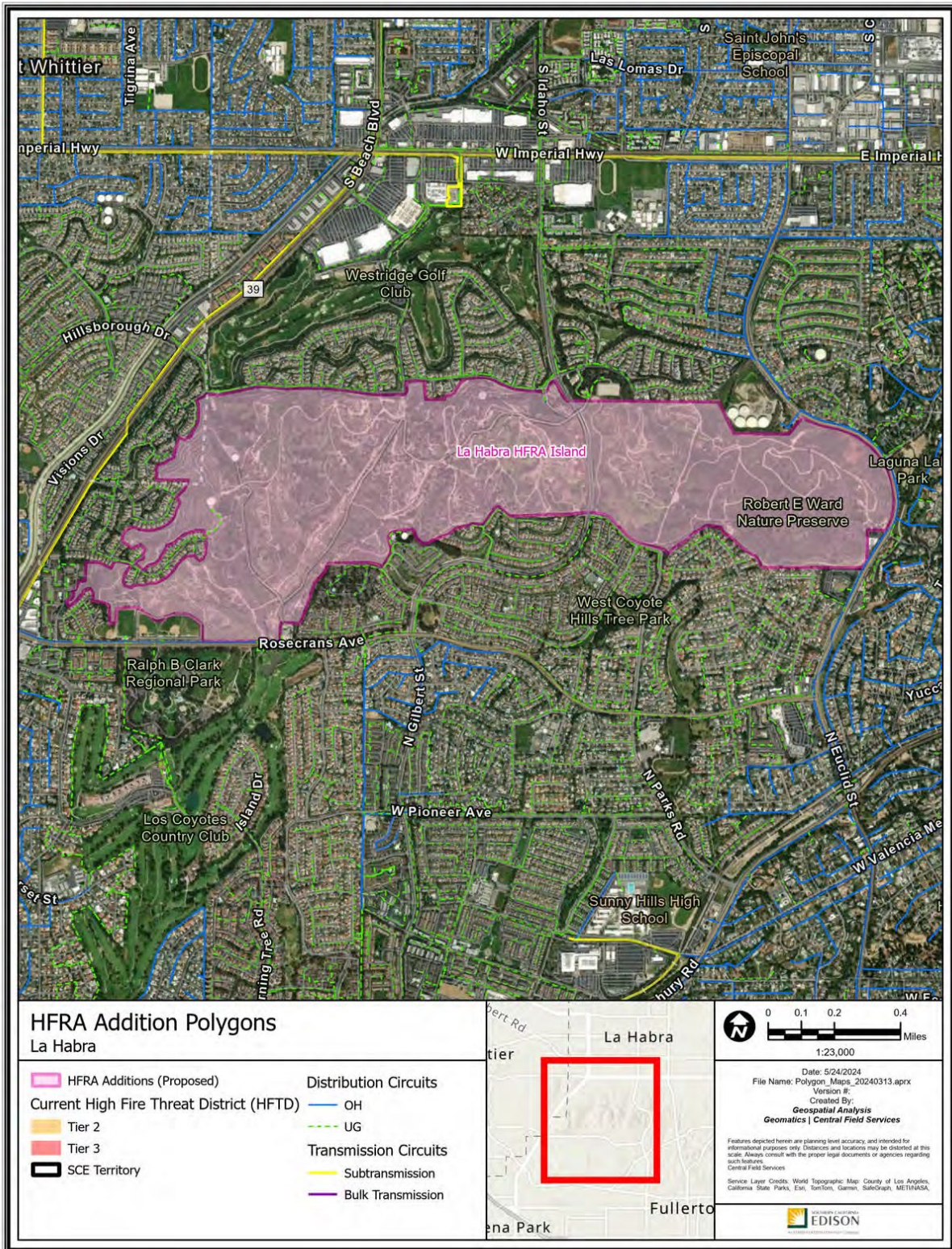
Path: P:\PROJECTS\Special_Programs\HFRA_Remove_Analysis\HFRA_Add_Remove_Analysis_20240131.aprx

A28 – La Habra

Los Angeles & Orange County

-117.962556, 33.902544

674 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---|
| 87.8% | Moderate Load Dry Climate Grass Shrub |
| 5.6% | Very High Load Dry Climate Shrub |
| 1.8% | Low Load Humid Climate Timber Shrub |
| 1.4% | Urban Core Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 48.3% | 0.0% | 39.6% | 12.2% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0 | 0.16 | 0 | 0 | 0 | 0.16 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 3 | 4.93° | 2: Low | 0% |

Recommendation:

SCE proposes to include the La Habra polygon as Tier 2 HFTD. This polygon features a large area of Wildland-Urban Intermix and wildlands with unmaintained and unirrigated moderate load fuels. This recommendation is also supported by the following facts:

1. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
2. The boundaries of this polygon are drawn along the foot or crests of slopes and some local roadways to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.



Figure 13 – Castlewood Drive Google 11/2022

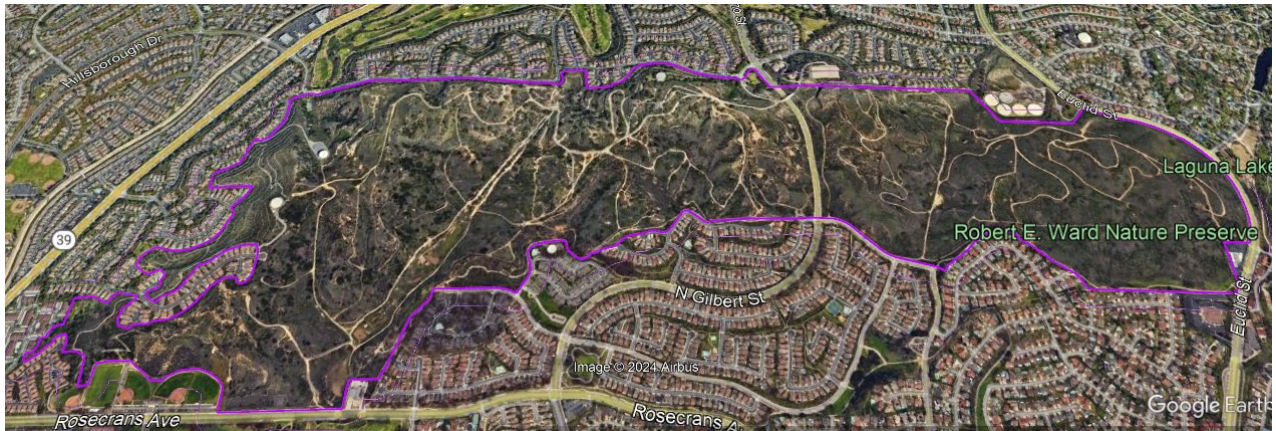
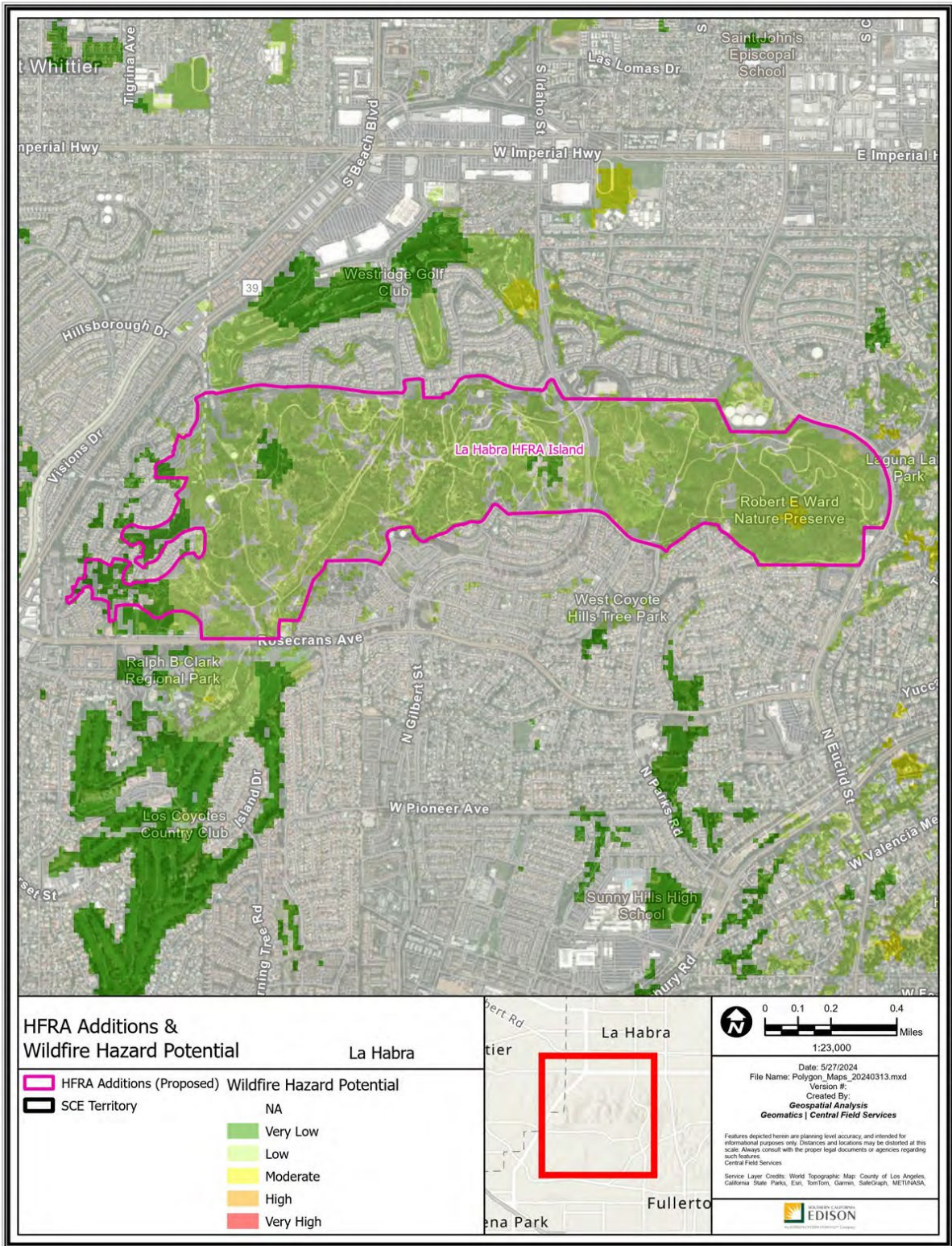
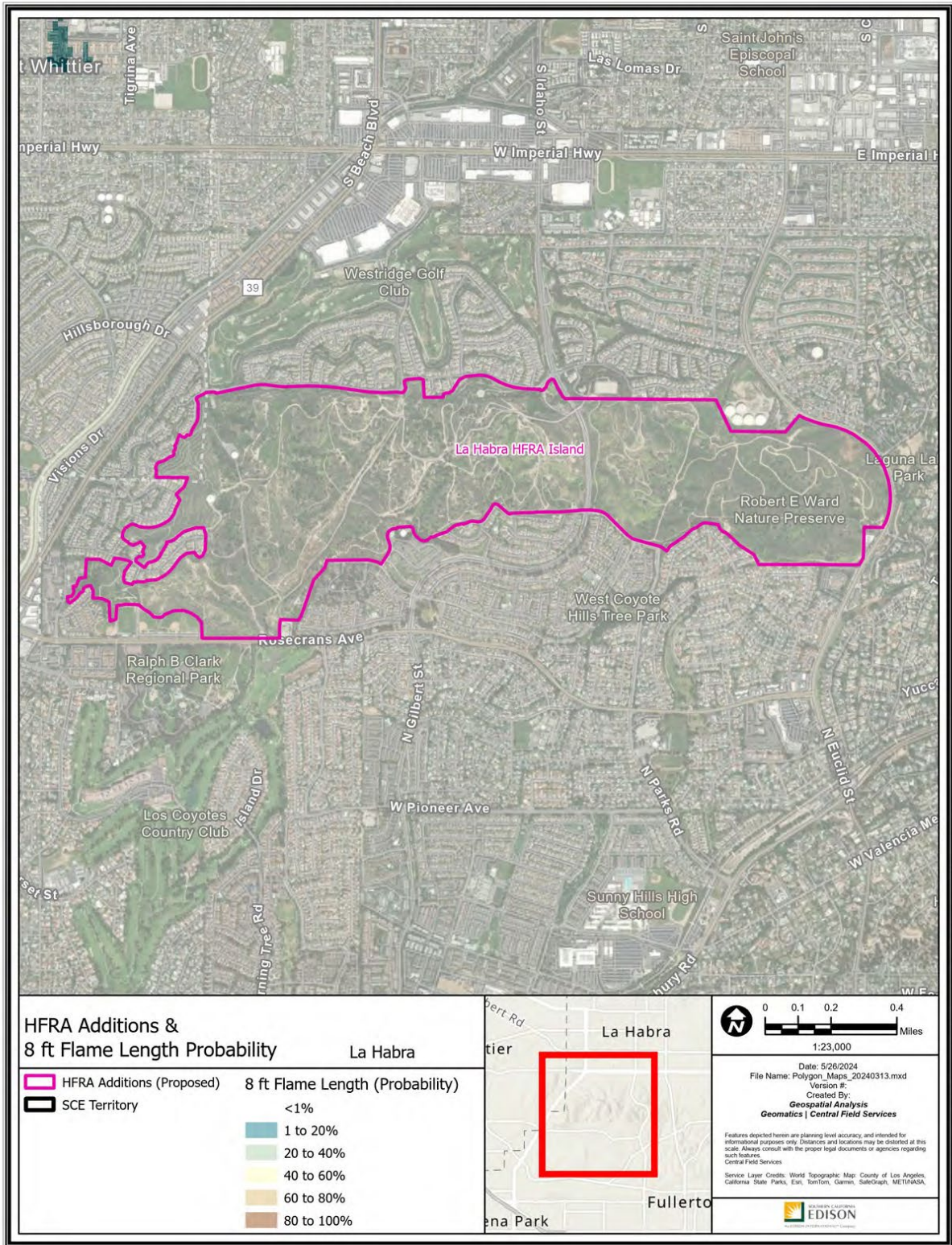


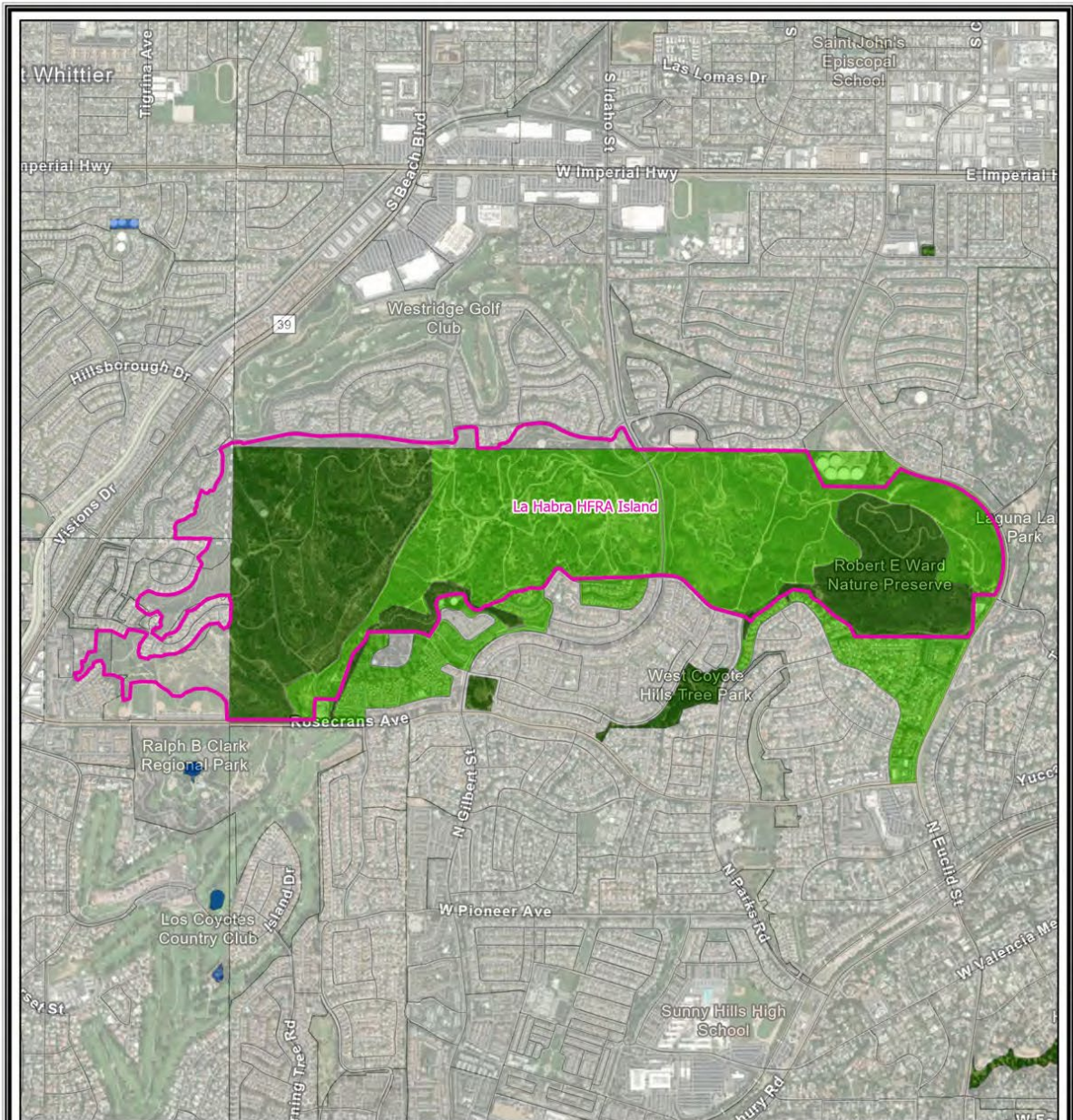
Figure 14 – La Habra – Google Earth 12/2023



Path: P:\PROJECTS\Special_Prospect\FRA_Review_Analysis\Polygon_Maps_20240313.mxd



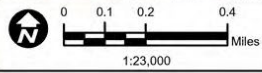
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HFRA Additions & WUI Categories

La Habra

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



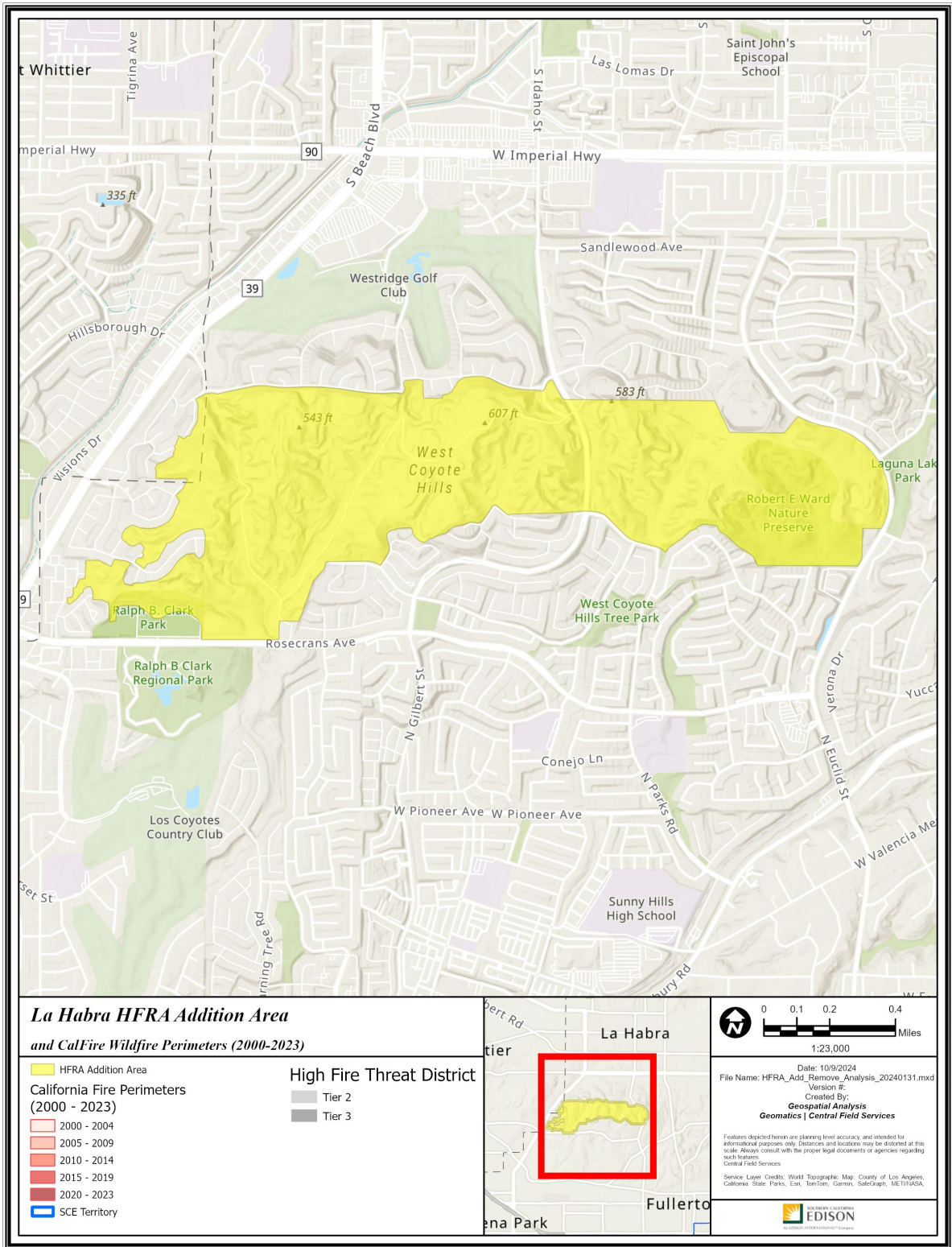
Date: 5/25/2024
 File Name: Polygon_Maps_20240313.mxd
 Version #:
 Created By:
Geospatial Analysis
 Geomatics | Central Field Services

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Service Layer Credits: World Topographic Map; County of Los Angeles, California State Parks, Esri, TomTom, Garmin, SafeGraph, METANASA, Central Field Services



Path: P:\PROJECTS\GIS\Special_Prospectus\FRA_Review_Analysis\Polygon_Maps_20240313.aprx



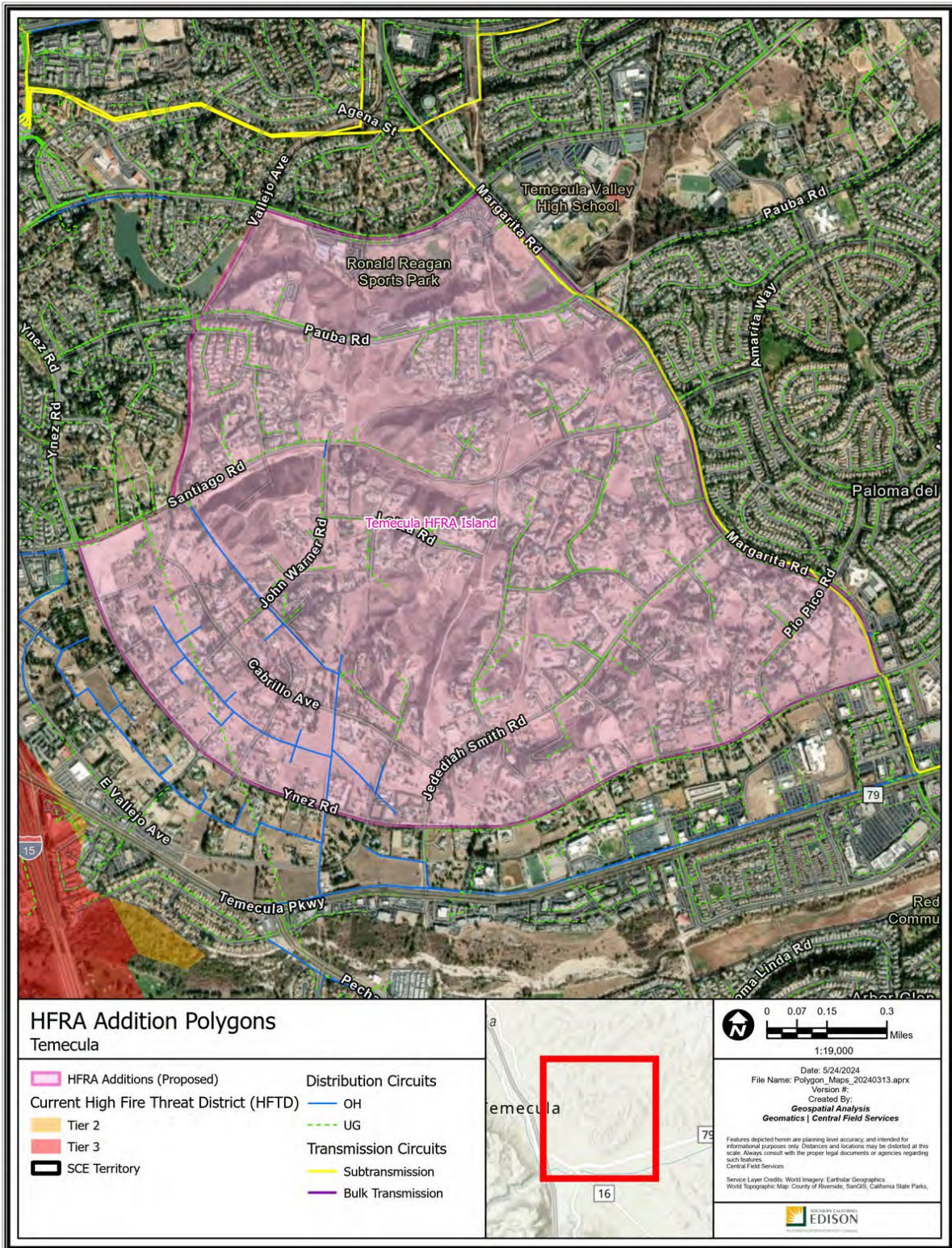
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A29 – Temecula

Riverside County

-117.121758, 33.488962

1,258 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 62.1% | Moderate Load Dry Climate Grass Shrub |
| 9.0% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 8.7% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 7.1% | Low Load Humid Climate Timber Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 5.2% | 49.5% | 0.0% | 44.9% | 0.4% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 3.79 | 18.69 | 0.68 | 0 | 0 | 23.16 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 550 | 3.3° | 3: Moderate | 13% |

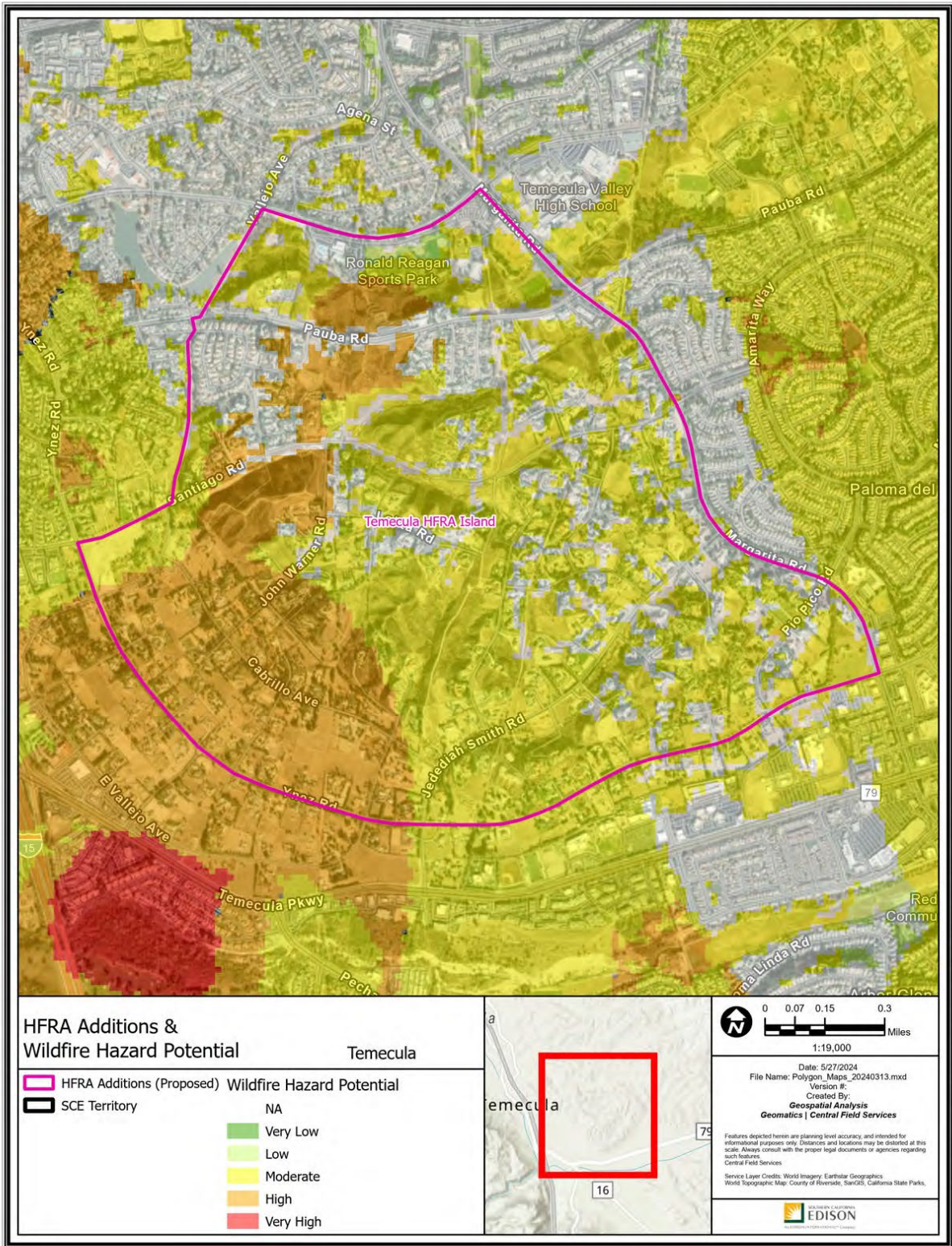
Recommendation:

SCE proposes to include the Temecula polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary into complex terrain with homes on large lots intermixed with moderate load fuels. This recommendation is also supported by the following facts:

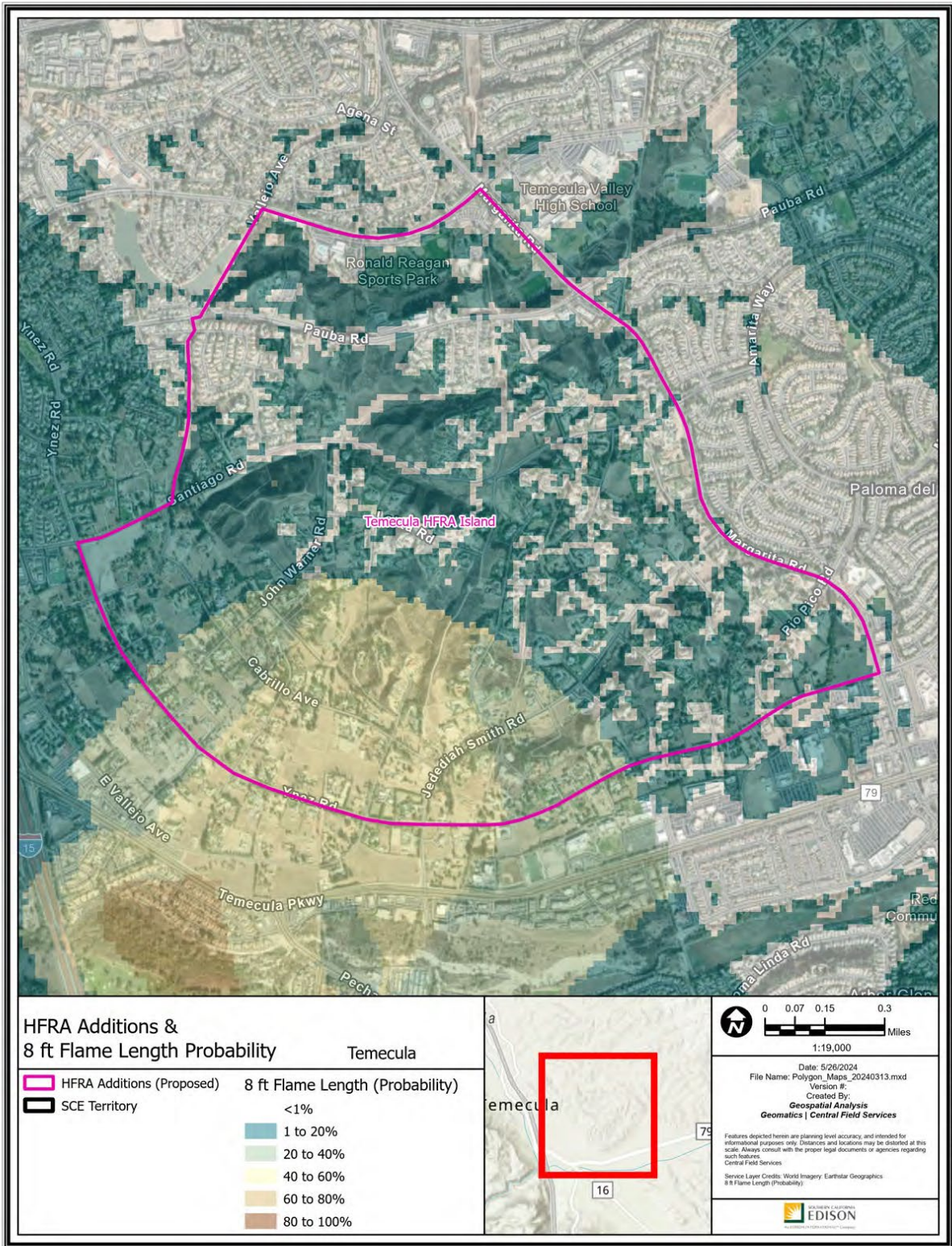
1. Land use and fuel in this polygon match the characteristics of Wildland-Urban Intermix.
2. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. The boundaries of this polygon are drawn along major roadways and the foot or crests of slopes to include complex terrain with elevated wildfire risk. This complex terrain in the polygon may challenge fire suppression efforts and allow a fire to spread more quickly.
4. Complex, mountainous terrain is difficult for fire suppression efforts and typically has a higher rate of fire spread.



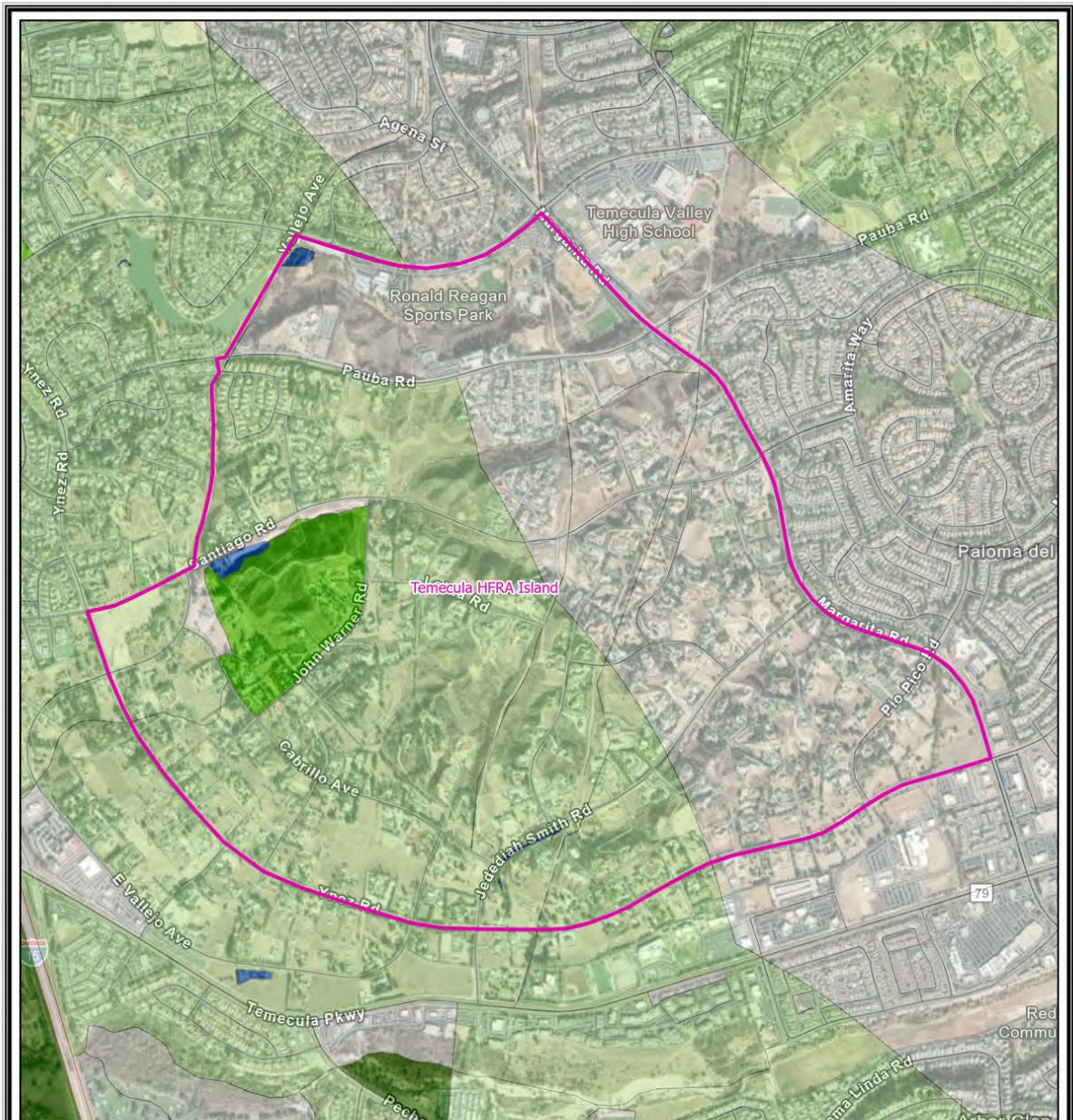
Figure 15 – Temecula – Google Street View 11/2022



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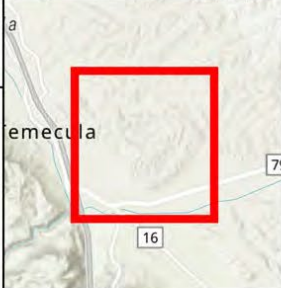
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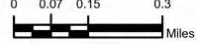


HFRA Additions & WUI Categories

Temecula


- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



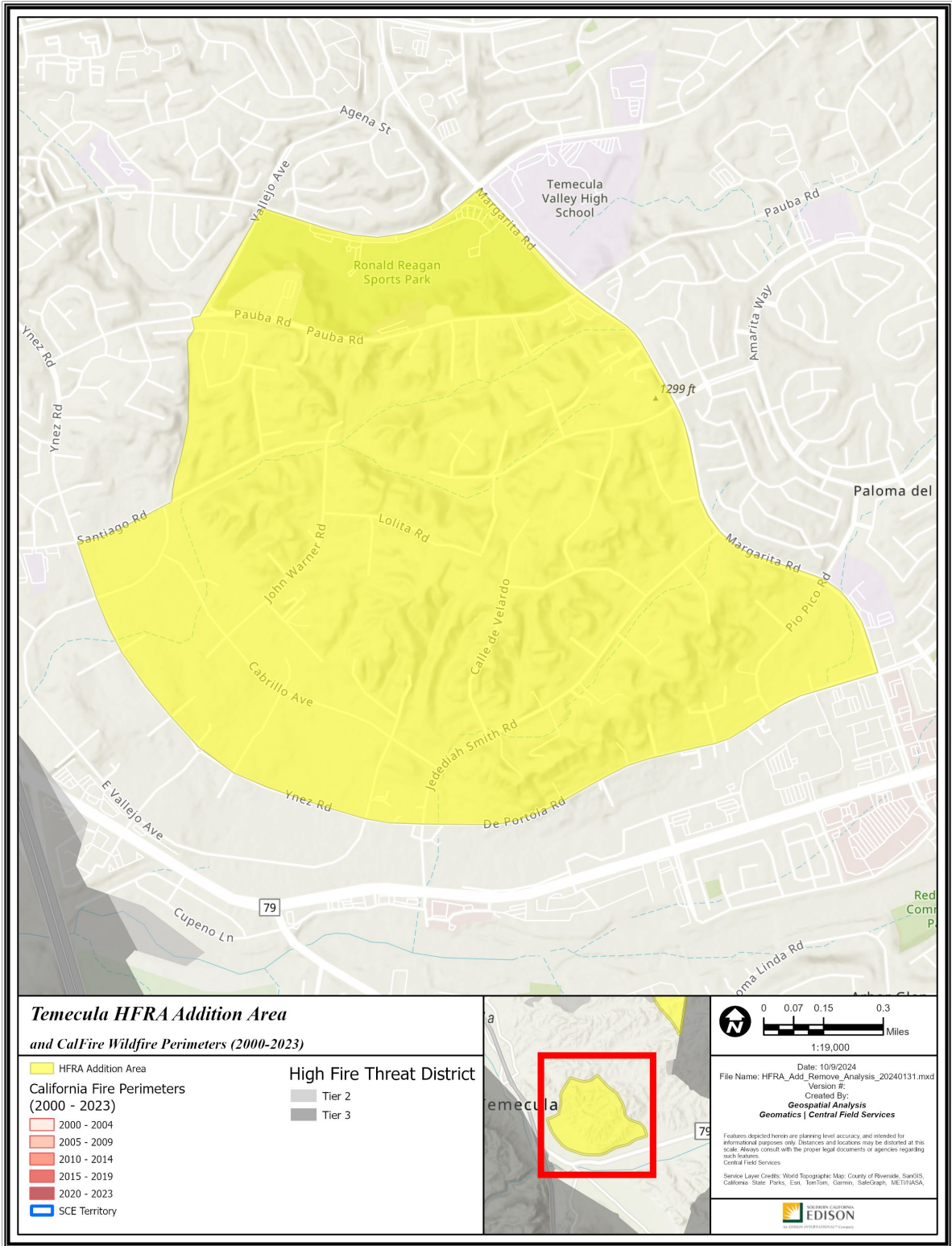


 1:19,000

Date: 5/25/2024
 File Name: Polygon_Maps_20240313.mxd
 Version #: _____
 Created By:
Geospatial Analysis
 Geomatics | Central Field Services

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Service Layer Credits: World Imagery: Earthstar Geographics
 World Topographic Map: County of Riverside, SanGIS, California State Parks,
 Central Field Services



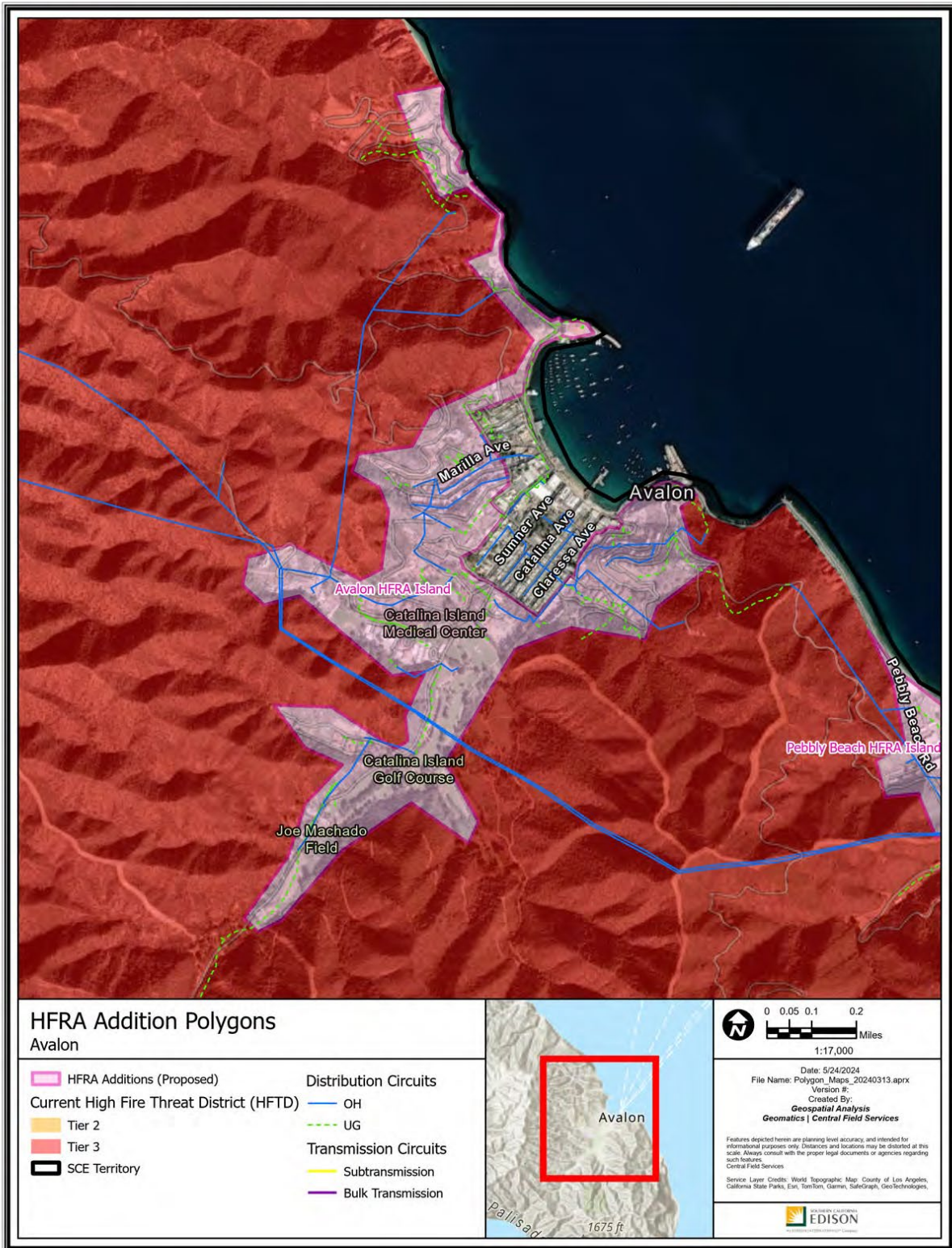
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A30 – Avalon

Los Angeles County
 -118.330357, 33.340409
 276 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 30.9% | Moderate Load Dry Climate Grass Shrub |
| 24.4% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 19.7% | Low Load Humid Climate Timber Shrub |
| 6.3% | Golf Courses Non Burnable No Encroachment |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 52.0% | 35.3% | 11.8% | 0.8% | 0.1% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 3.68 | 5.33 | 0 | 0 | 0 | 9.01 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 2,941 | 8.9° | 2: Low | 38% |

Recommendation:

SCE proposes to include the Avalon polygon as Tier 2 HFTD. This addition would extend from the existing HFTD Tier 3 boundary into moderate fuel loads and fire behavior fuel on complex terrain. This recommendation is also supported by the following facts:

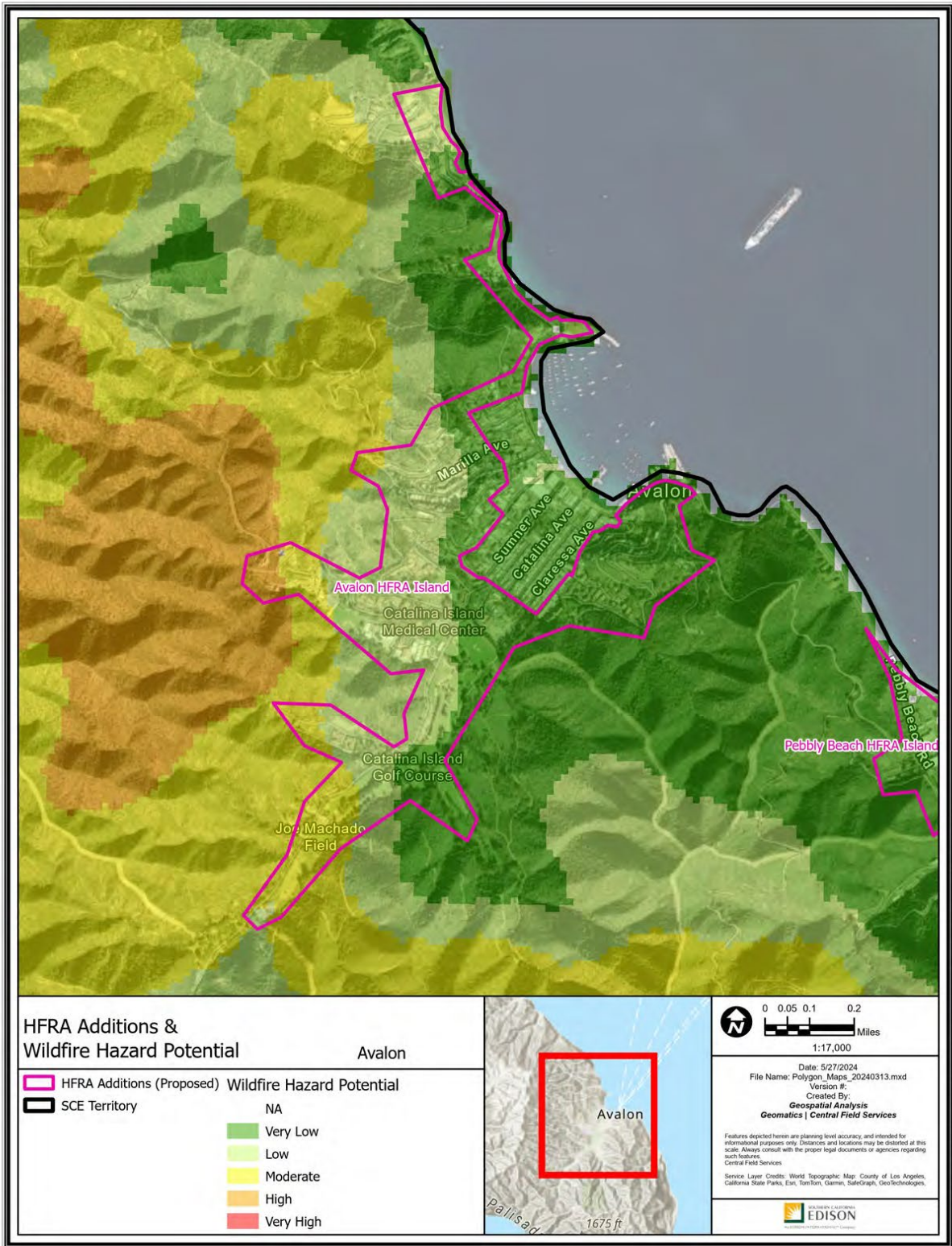
1. A fire in this polygon could spread to neighboring Tier 3 HFTD.
2. Wildland-Urban Intermix in this polygon presents elevated wildfire risk as fires may spread to man-made structures.
3. This polygon has a history of extreme drought leading to severe water restrictions, including limits on landscape irrigation. Photos provided below show drought impacts.
4. This addition is adjacent to areas that met threshold levels of IWMS criteria:
 - a. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.
 - b. Catalina Island has unique ingress/egress concerns as an island, requiring boats and aviation for egress and deployment of fire suppression resources.
5. The boundary of this polygon is drawn using existing roads as firebreaks around the core urban population.



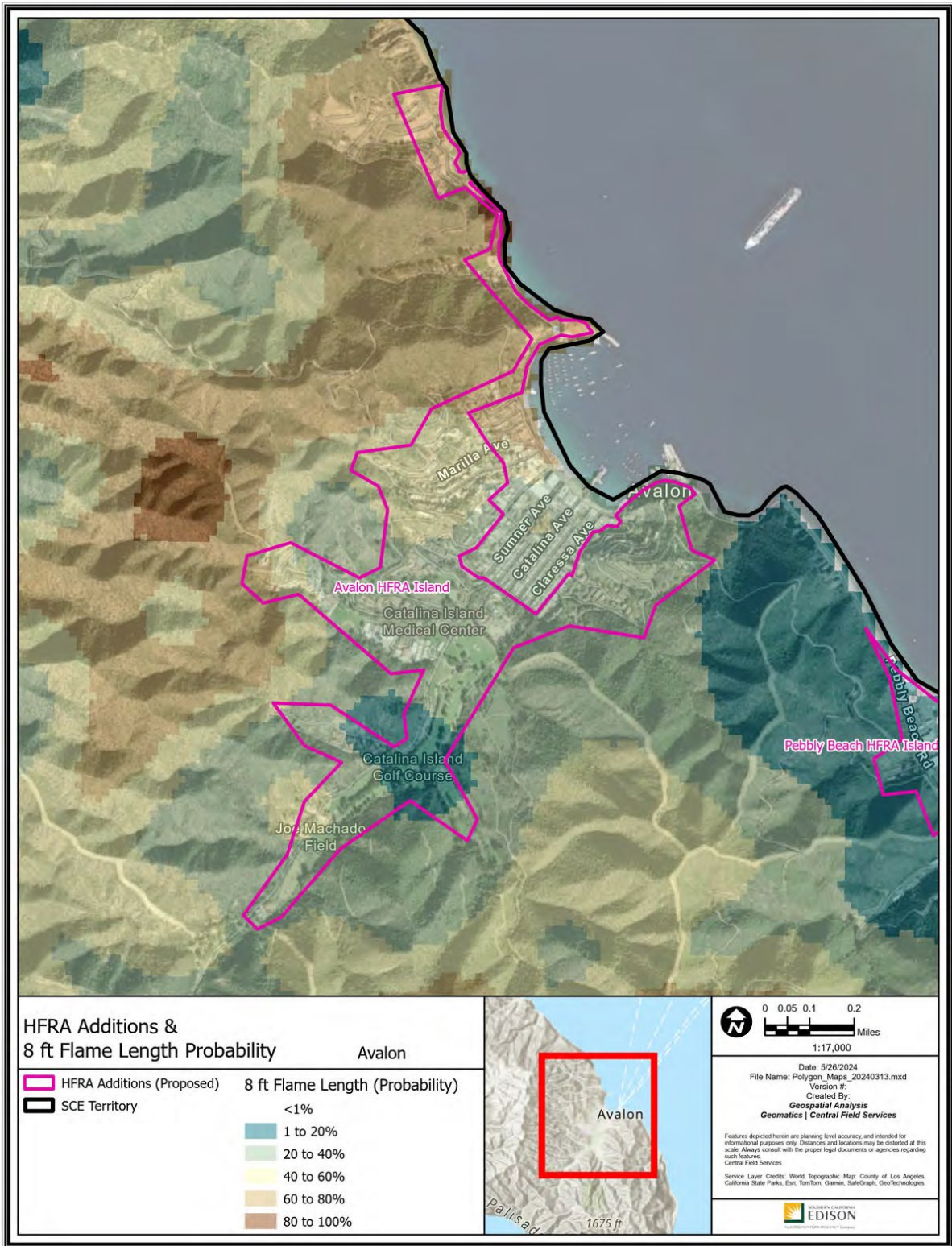
Figure 16 – Avalon – Google Earth 1/2008



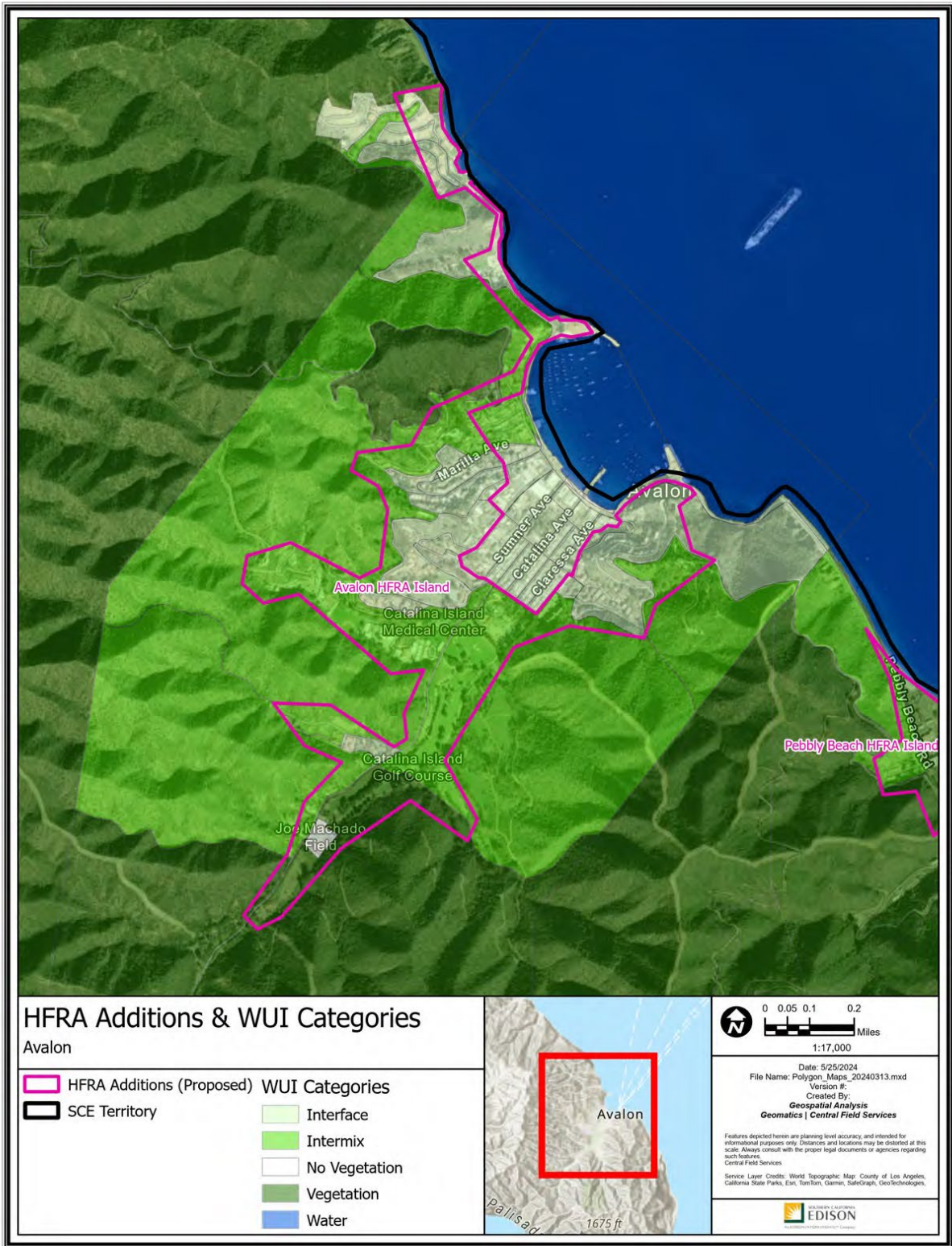
Figure 17 – Avalon Drought – Google Earth 5/2009



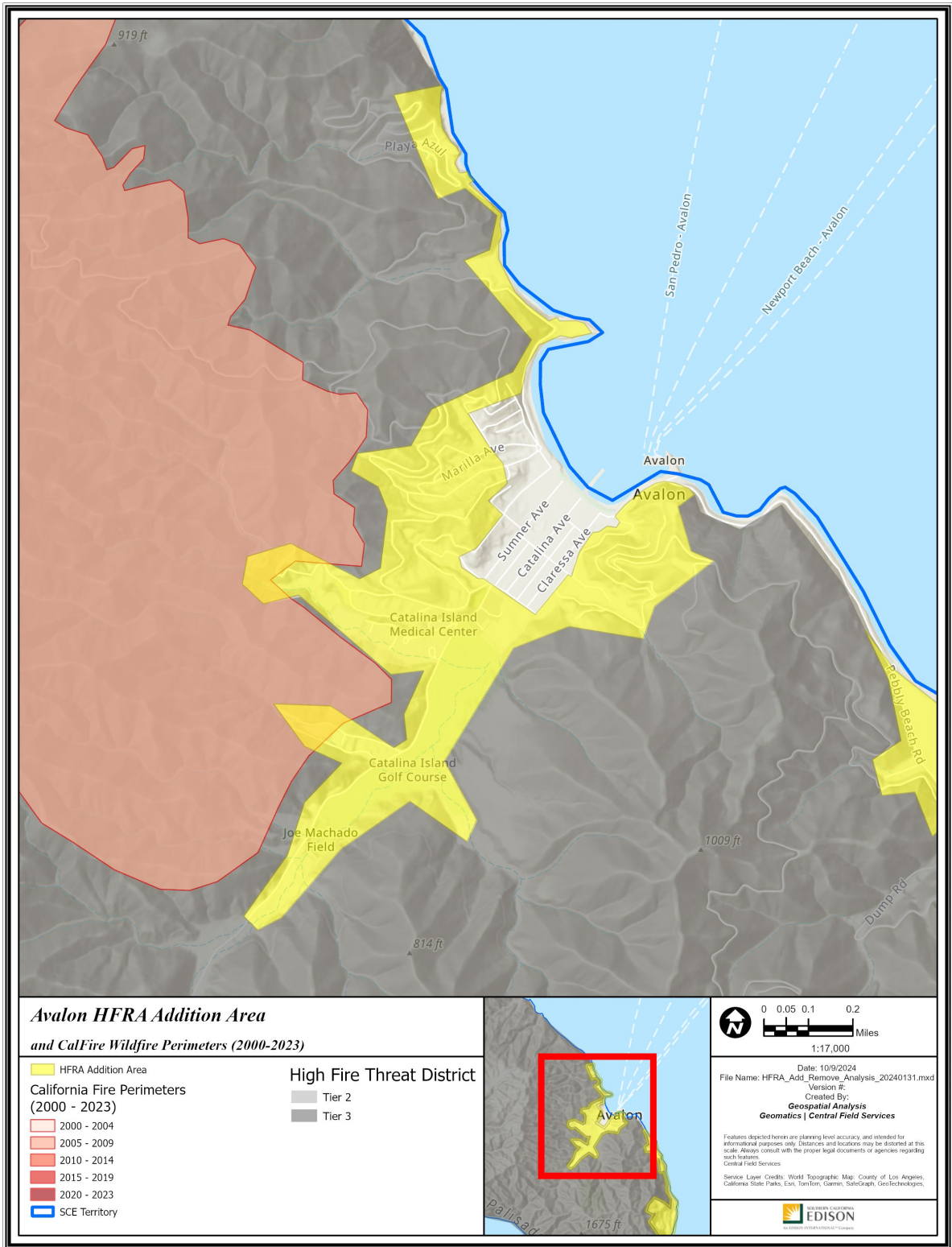
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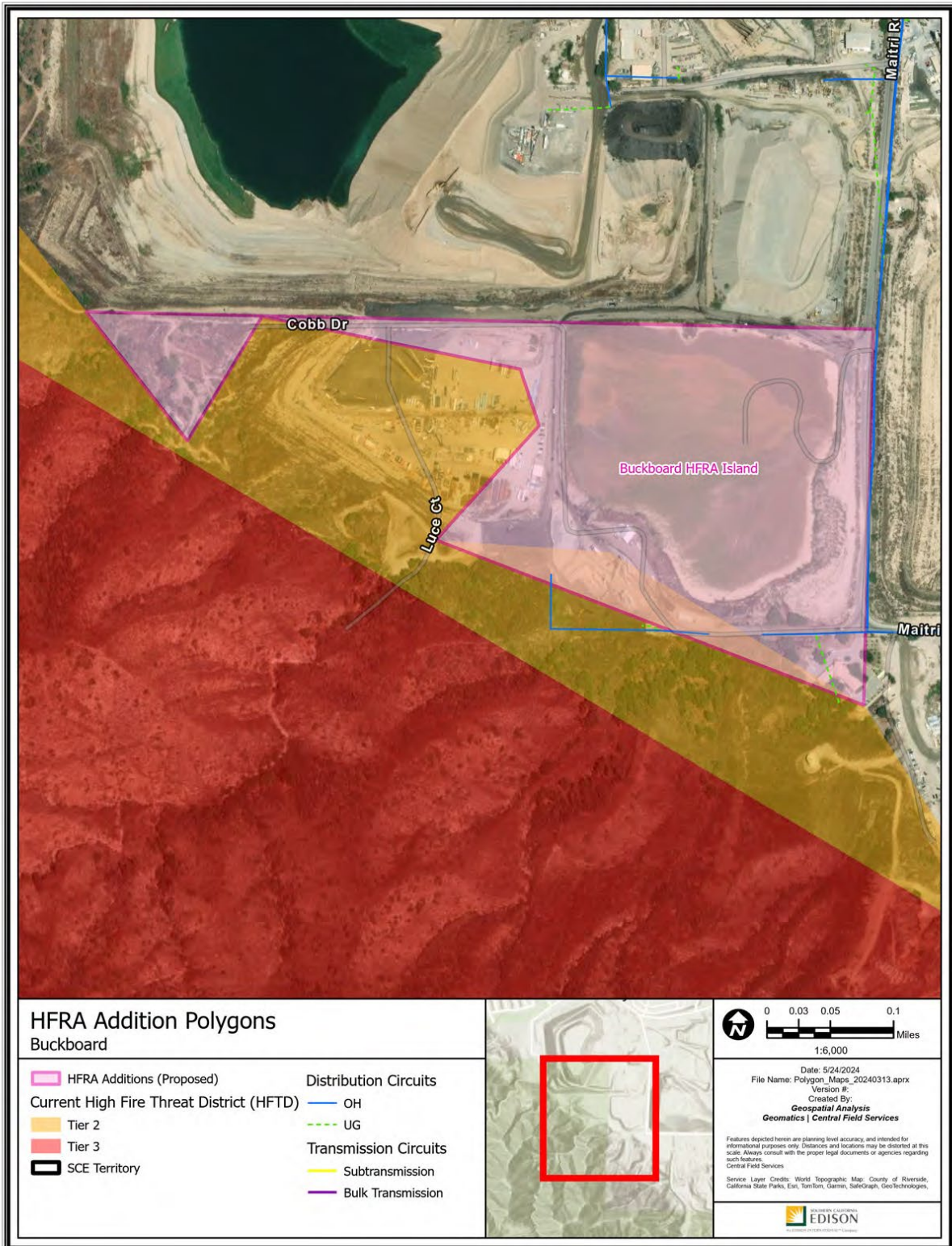
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A31 – Buckboard

Riverside County

-117.484252, 33.751408

53 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|---------------------------------------|
| 36.4% | Bare Ground |
| 29.5% | Moderate Load Dry Climate Grass Shrub |
| 9.7% | Low Load Dry Climate Grass Shrub |
| 9.1% | Low Load Dry Climate Shrub |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 0.0% | 100.0% | 0.0% | 0.0% | 100% |

| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 0.17 | 0.05 | 0 | 0 | 0 | 0.22 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 0 | 6.88° | 4: High | 11% |

Recommendation:

SCE proposes to include the Buckboard polygon as Tier 2 HFTD. This addition would extend existing Tier 2 HFTD to include areas with moderate loads of burnable vegetation consistent with adjacent existing Tier 2 HFTD. This recommendation is also supported by the following facts:

1. A wildfire in this polygon could spread to nearby Tier 3 HFTD.
2. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
3. This polygon’s boundary uses Cobb Drive as a firebreak, bridging the gap of wildlands ending at the graded quarry.
4. Supplemental imagery below shows land use and vegetation conditions in the polygon that have changed over time.



HFRA Addition Polygons
Buckboard

- HFRA Additions (Proposed)
- Current High Fire Threat District (HFTD)**
- Tier 2
- Tier 3
- SCE Territory



0 0.03 0.05 0.1 Miles
 1:6,000

Date: 4/2/2024
 File Name: Polygon_Maps_20240313.aprx
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

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 Central Field Services

Service Layer Credits: World Topographic Map, County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies,

Path: P:\PROJECTS\Special_Projects\HFRA_Revision_Analysis\Polygon_Maps_20240313.aprx

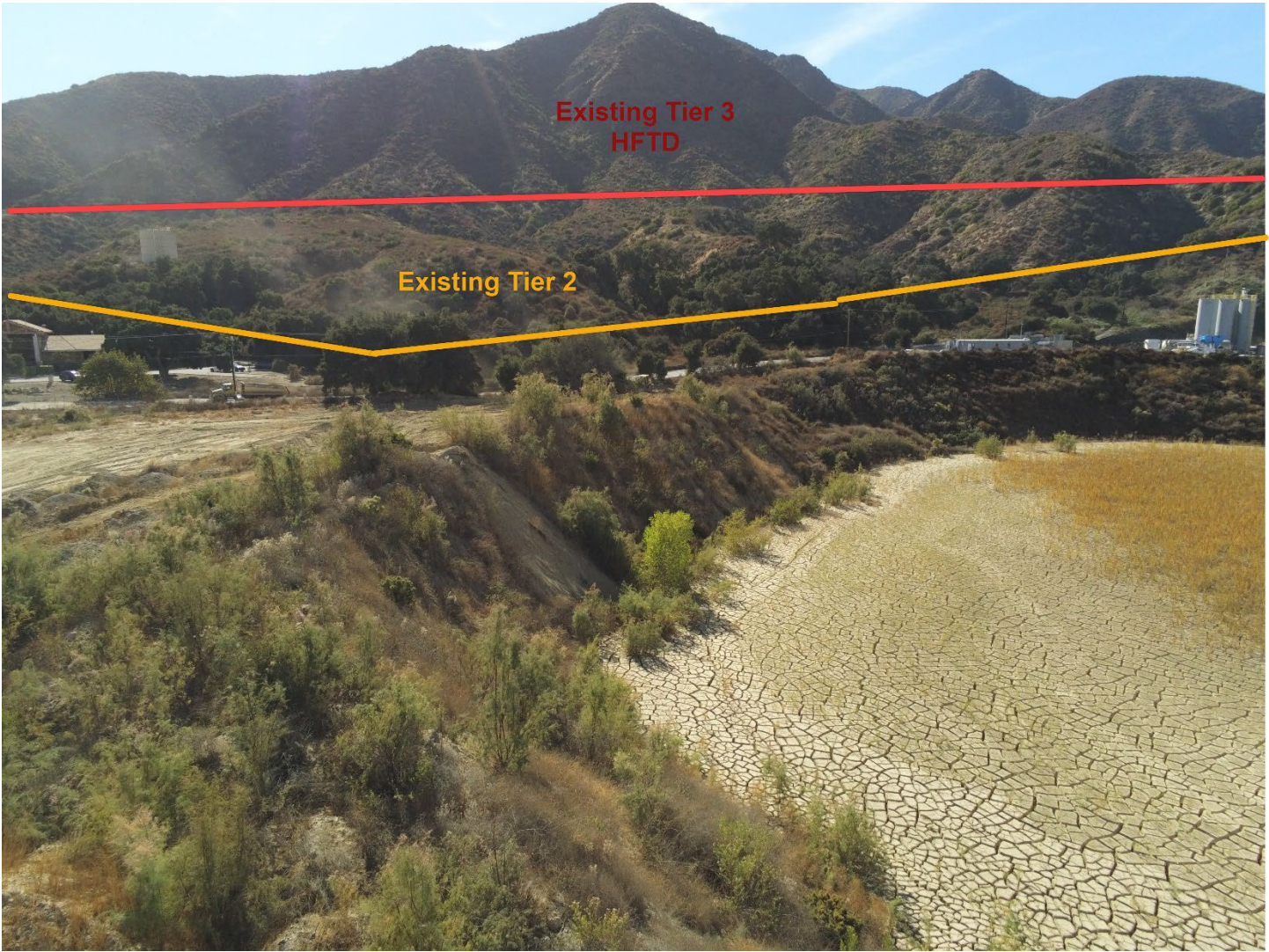


Figure 18 - Buckboard 1 South via Drone 11/2024



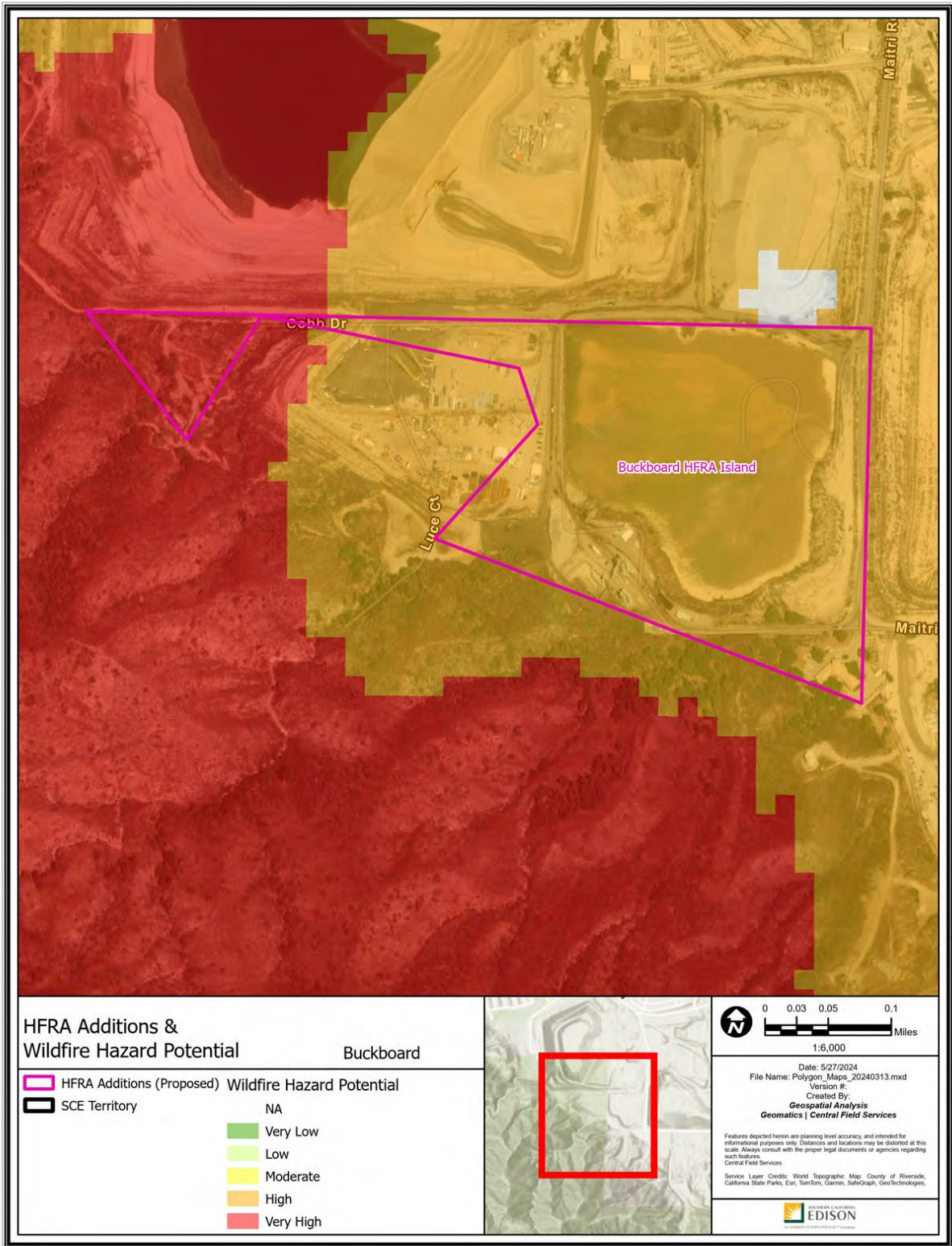
Figure 19 - Buckboard 2 SW via Drone 11/2024



Figure 20 - Buckboard 3 NW via Drone 11/2024



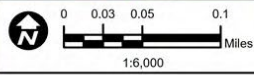
Figure 21 - Buckboard 3 SW from Google Maps Street View Image Captured 7/2008



HFRA Additions & Wildfire Hazard Potential

Buckboard

- HFRA Additions (Proposed)
 - SCE Territory
- | Wildfire Hazard Potential | |
|---------------------------|-----------|
| | NA |
| | Very Low |
| | Low |
| | Moderate |
| | High |
| | Very High |



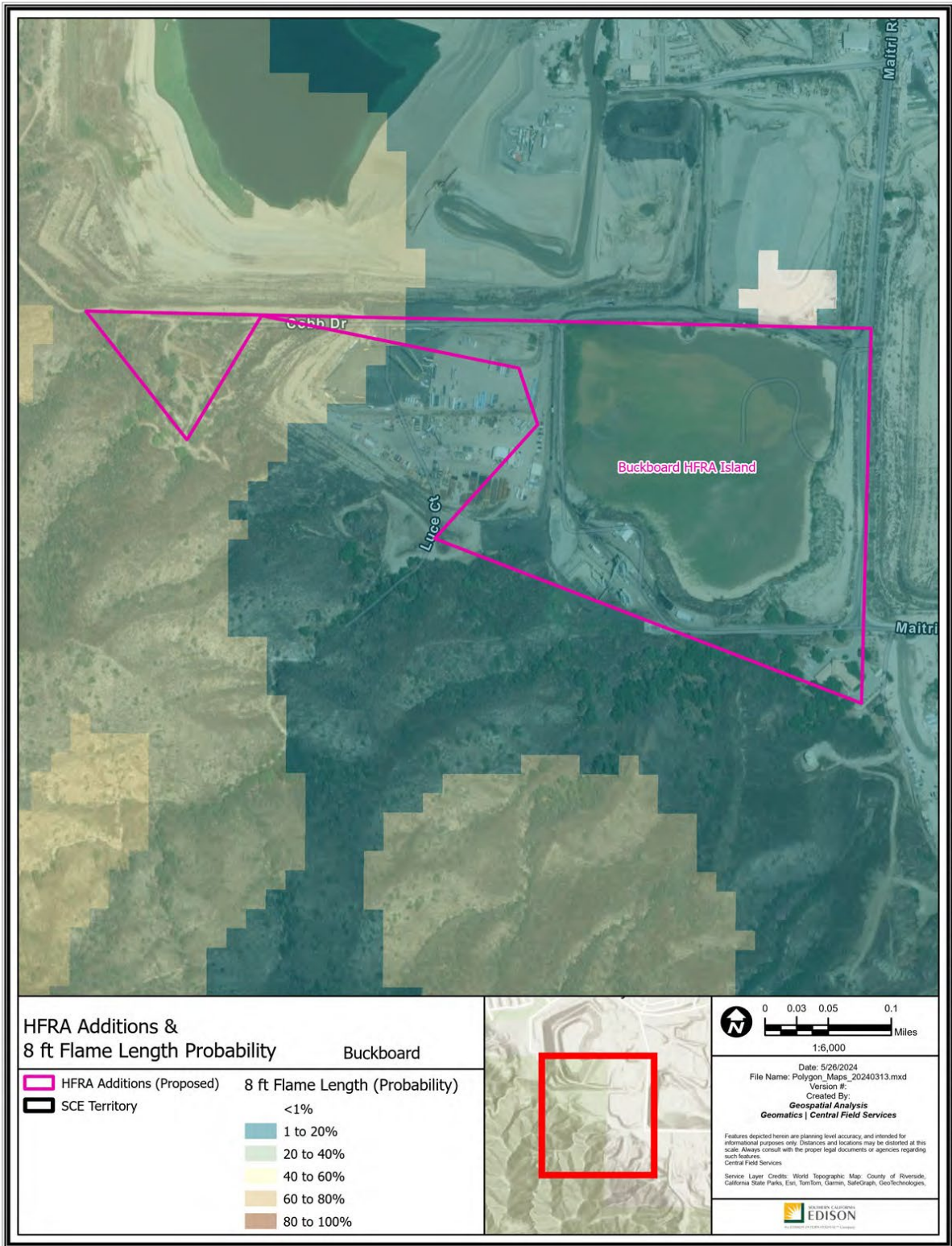
Date: 5/27/2024
 File Name: Polygon_Maps_20240313.mxd
 Version #:
 Created By:
Geospatial Analysis
 Geomatics | Central Field Services

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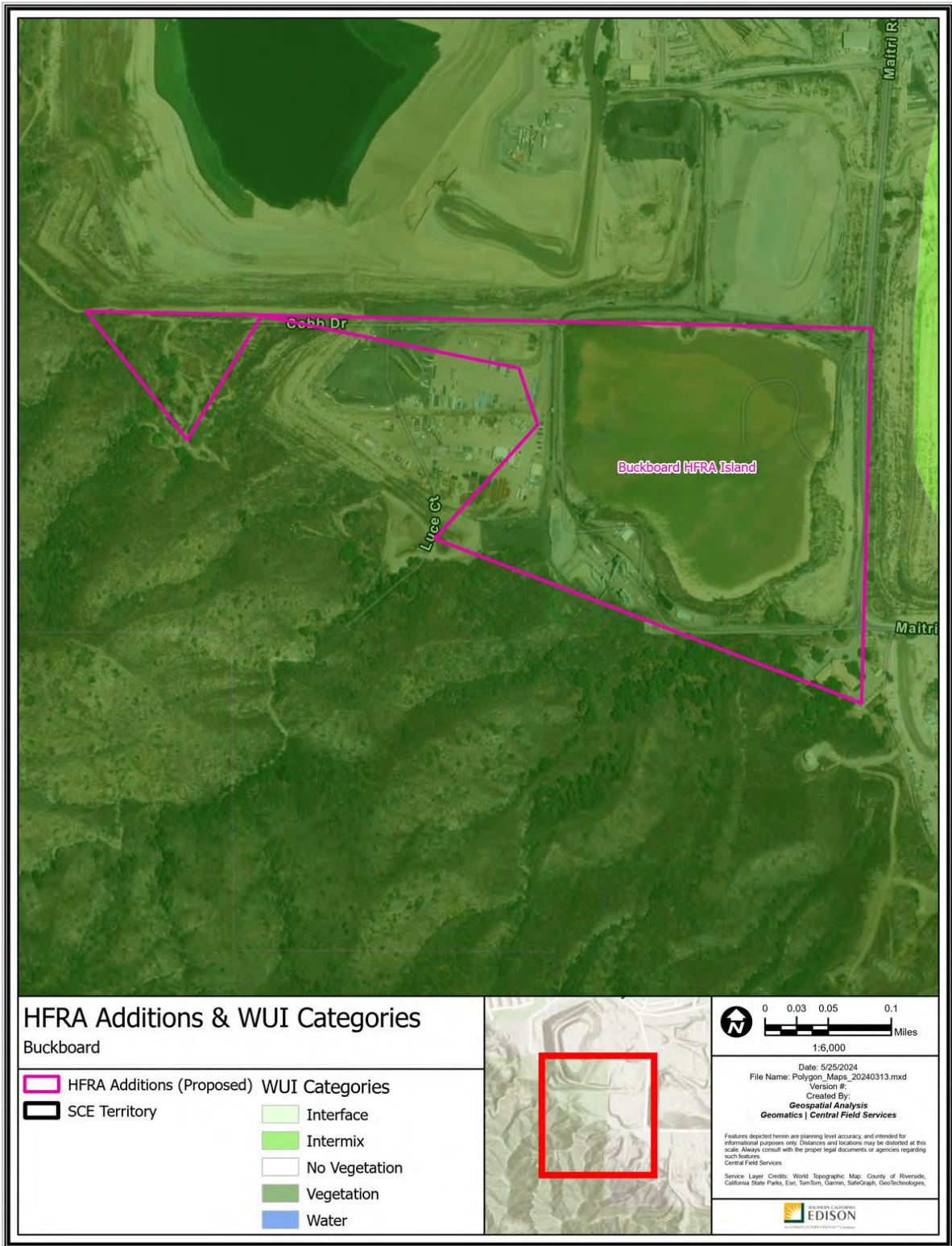
Service Layer Credits: World Topographic Map: County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Central Field Services



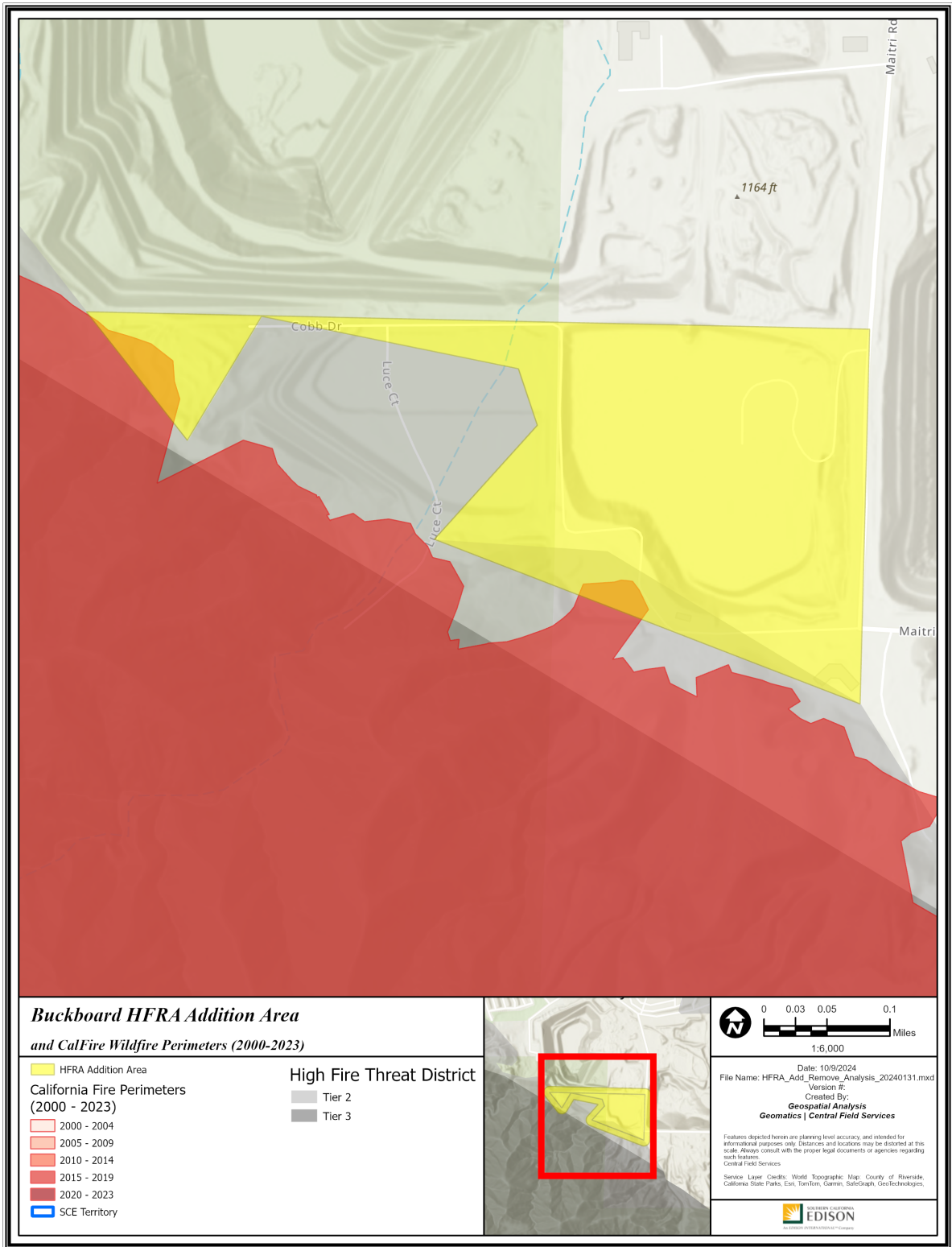
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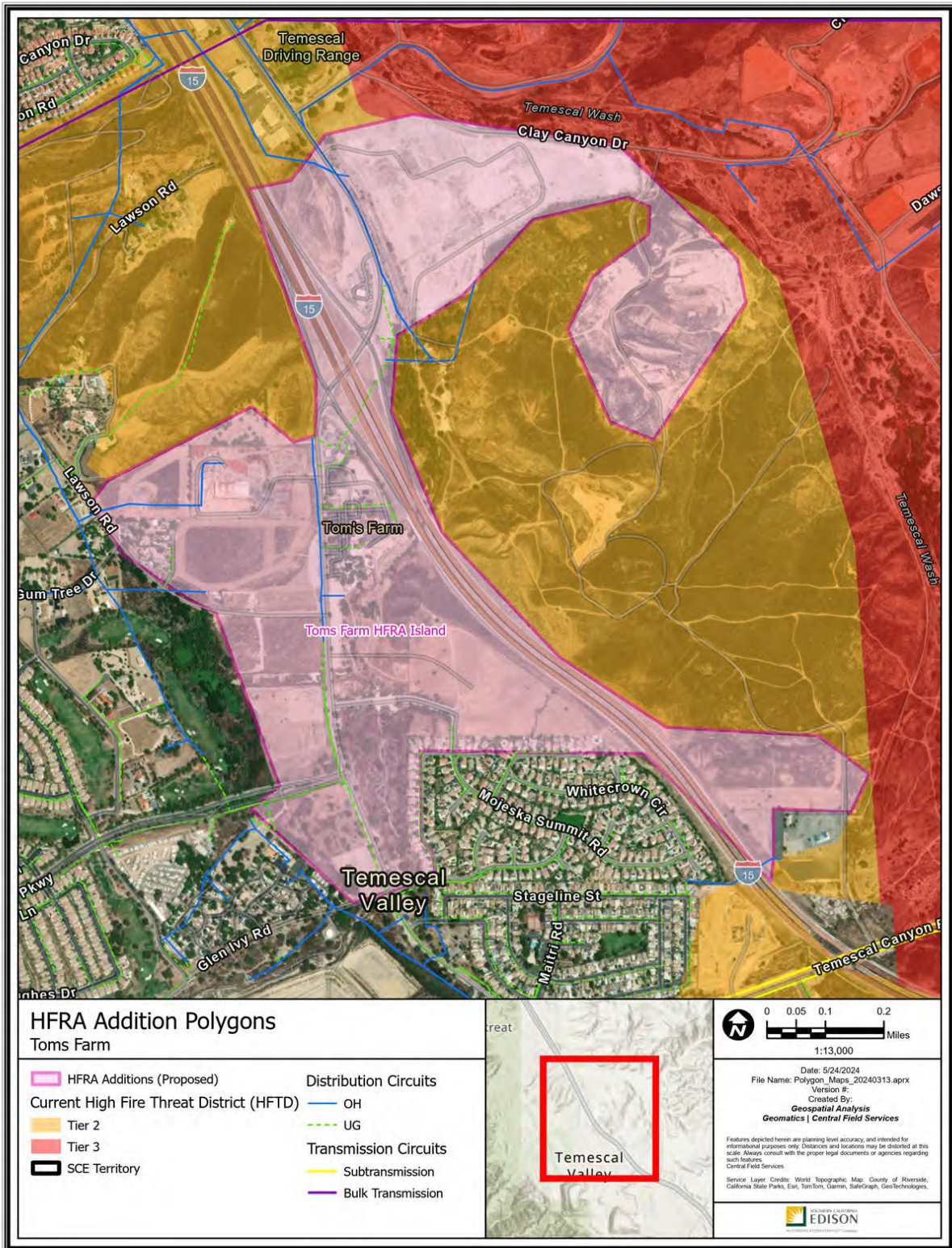


A32 – Toms Farm

Riverside County

-117.484642, 33.773406

431 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 45.0% | Moderate Load Dry Climate Grass Shrub |
| 12.1% | Low Load Dry Climate Grass |
| 10.1% | Urban Core Surrounded by Low Fire Behavior Fuel |
| 9.3% | Major Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 0.0% | 42.4% | 37.3% | 20.3% | 0.0% | 100% |

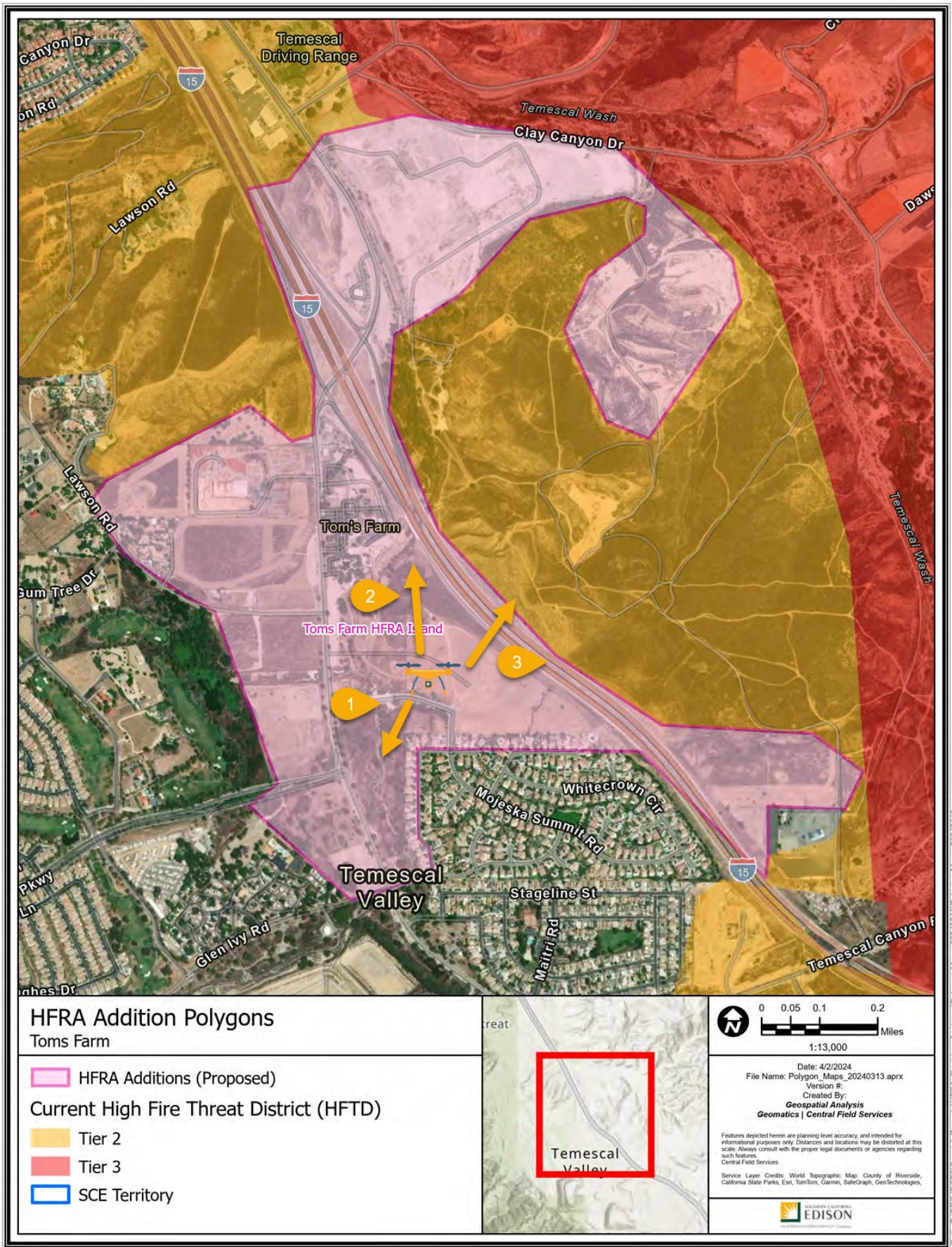
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 1.88 | 2.27 | 0 | 0 | 0 | 4.15 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 78 | 2.5° | 4: High | 7% |

Recommendation:

SCE proposes to include the Toms Farm polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 and Tier 3 boundaries across unmaintained, unirrigated Wildland-Urban Interface and wildlands along Interstate 15. This recommendation is also supported by the following facts:

1. Land use and fuel in this polygon match the characteristics of the Wildland-Urban Interface and rural wildland.
2. SCE has drawn the boundary of this polygon to capture continuous fuels consistent with adjacent Tier 2 HFTD to the west and east of the 10-freeway.
3. A fire in this polygon could spread to neighboring Tier 3 HFTD.
4. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
5. Major roads, terrain, and irrigated vegetation are used as firebreaks to draw this polygon's boundaries.
6. Supplemental photos below show the most recent conditions of continuous mixed fuels passing under and around the I-15 across the polygon and existing neighboring HFTD.



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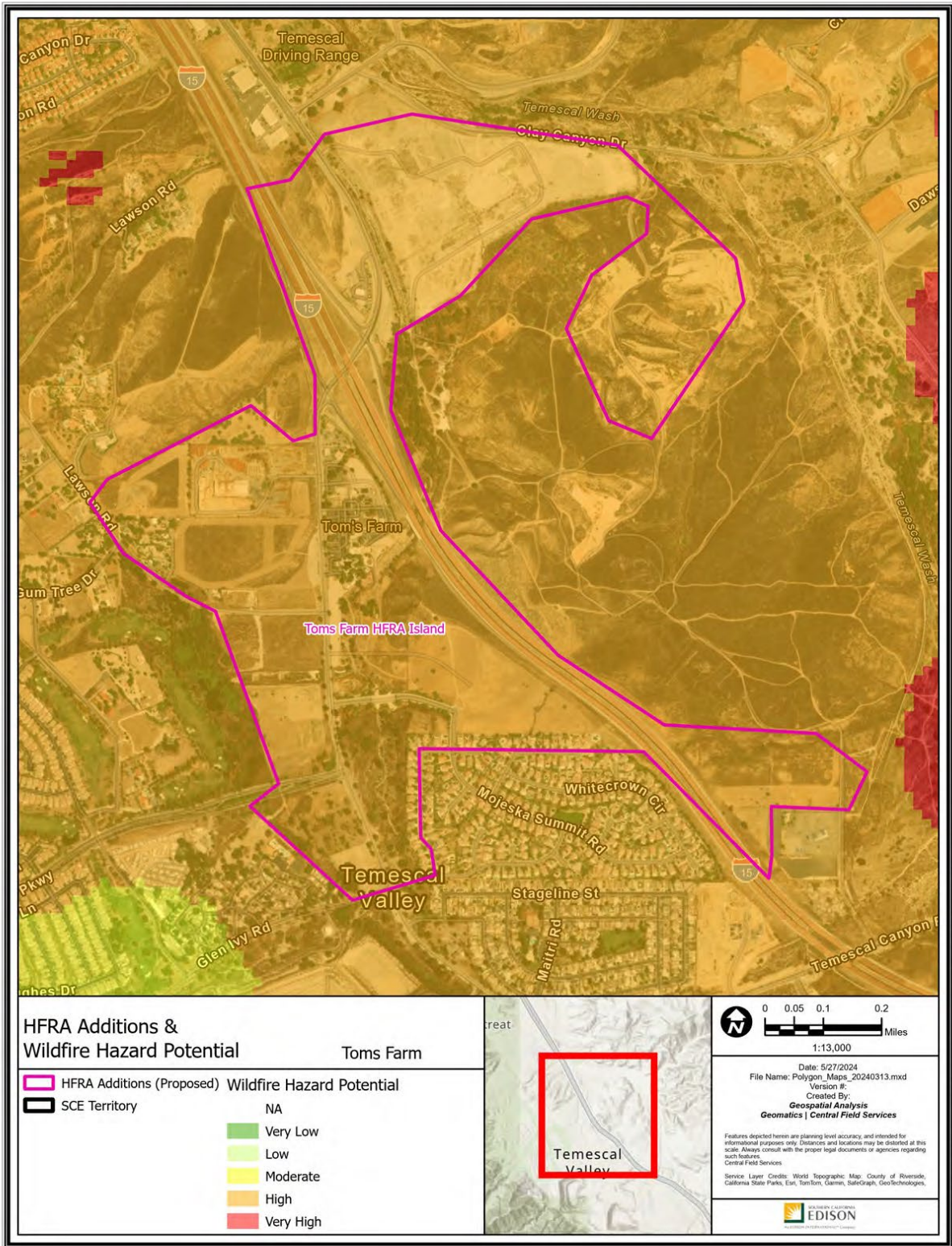
Figure 22 - Toms Farm 1 SW via Drone 11/2024



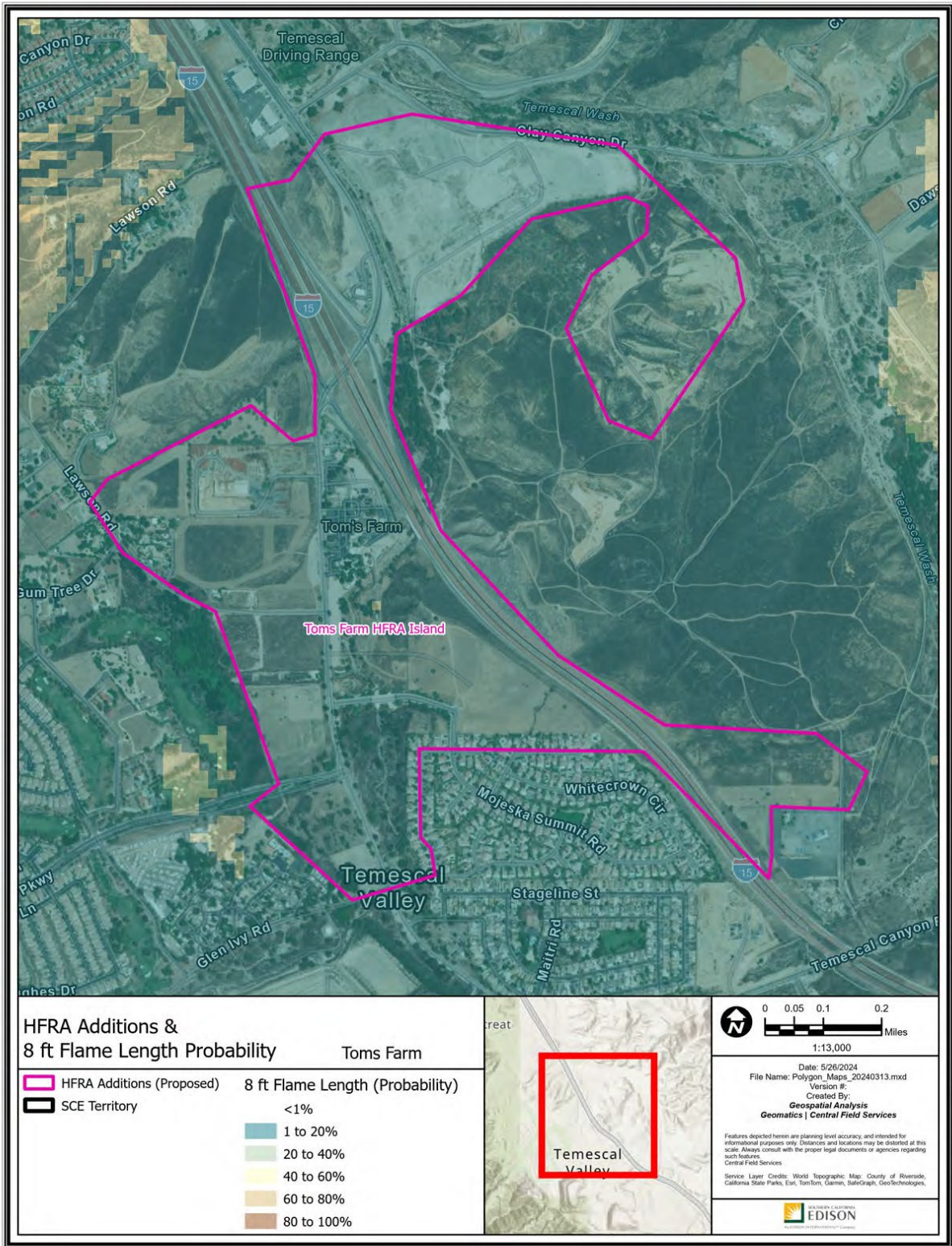
Figure 23 - Toms Farm 2 North via Drone 11/2024



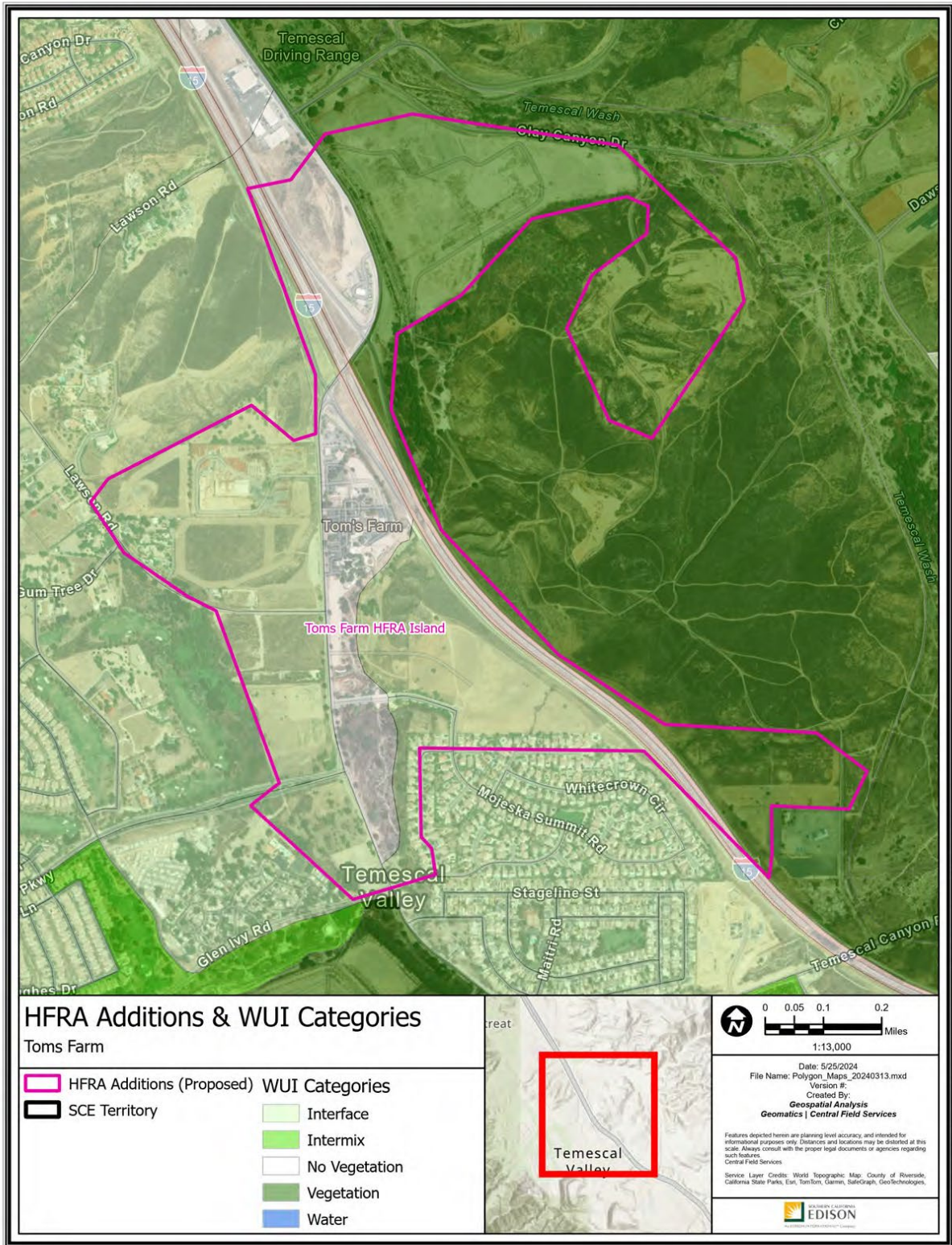
Figure 24 - Toms Farm 3 NE via Drone 11/2024



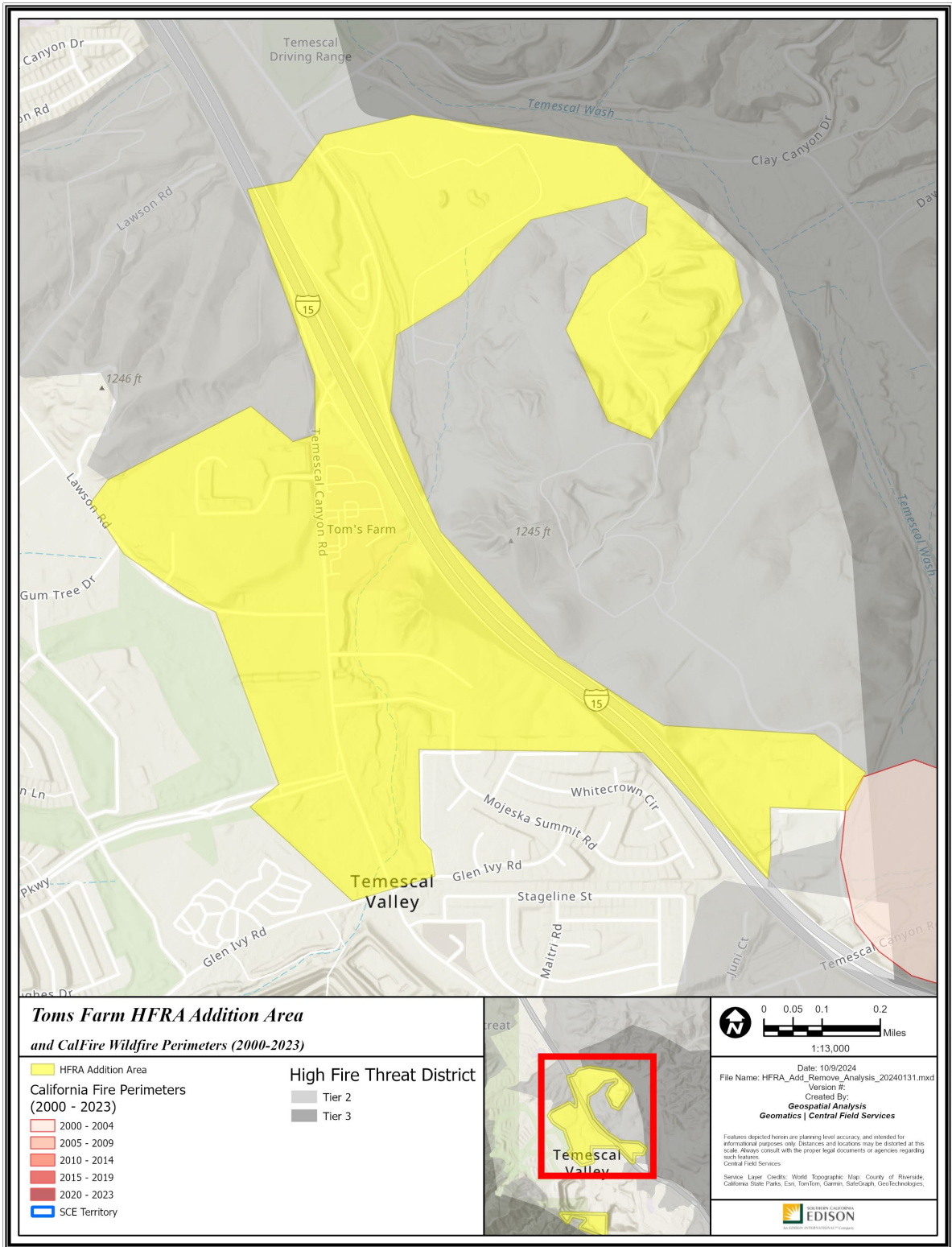
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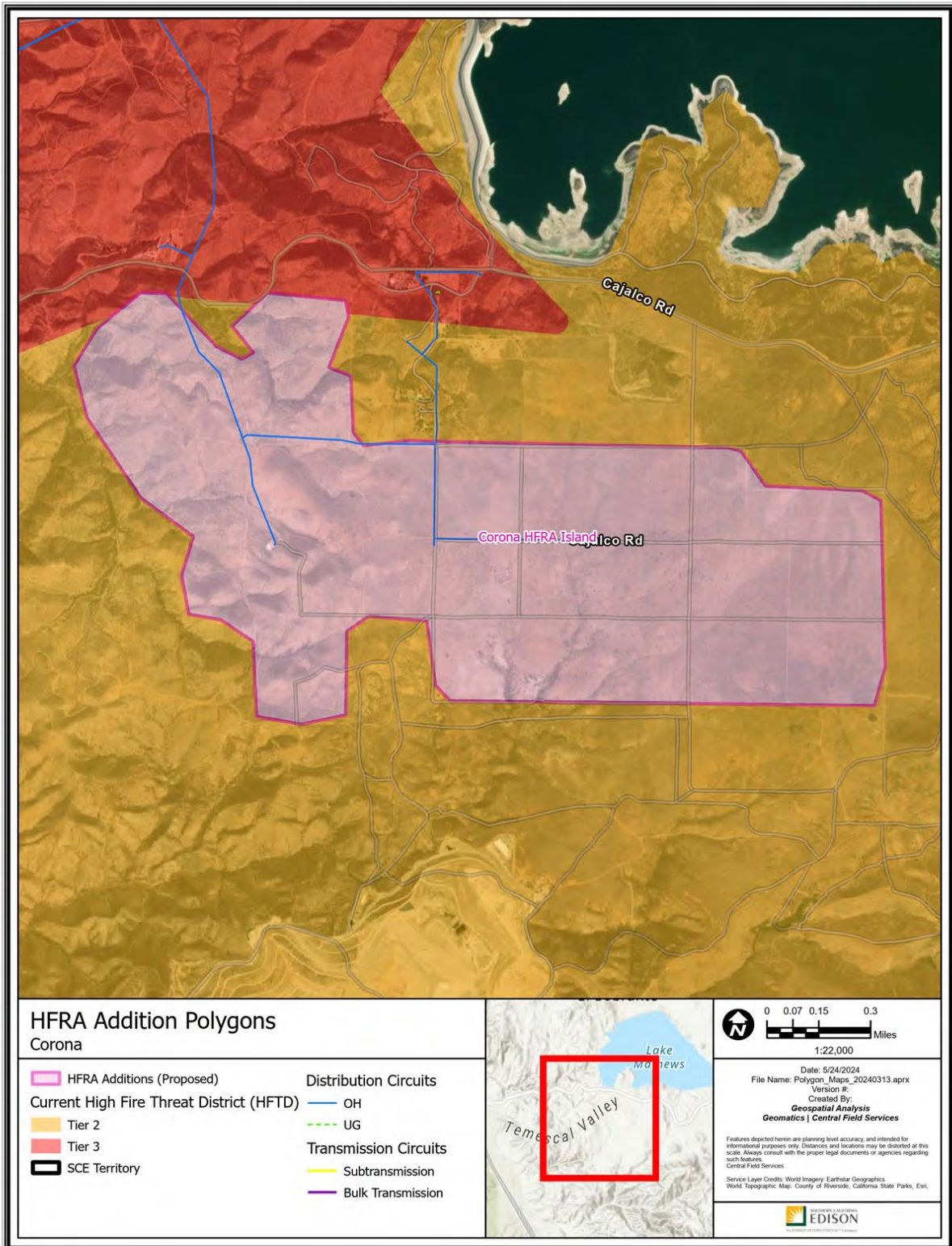
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A33 – Corona

Riverside County

-117.461061, 33.818025

1,089 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 52.9% | Low Load Dry Climate Grass |
| 42.9% | Moderate Load Dry Climate Grass Shrub |
| 4.2% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 0.1% | Isolated Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 41.7% | 0.0% | 58.3% | 0.0% | 0.0% | 100% |

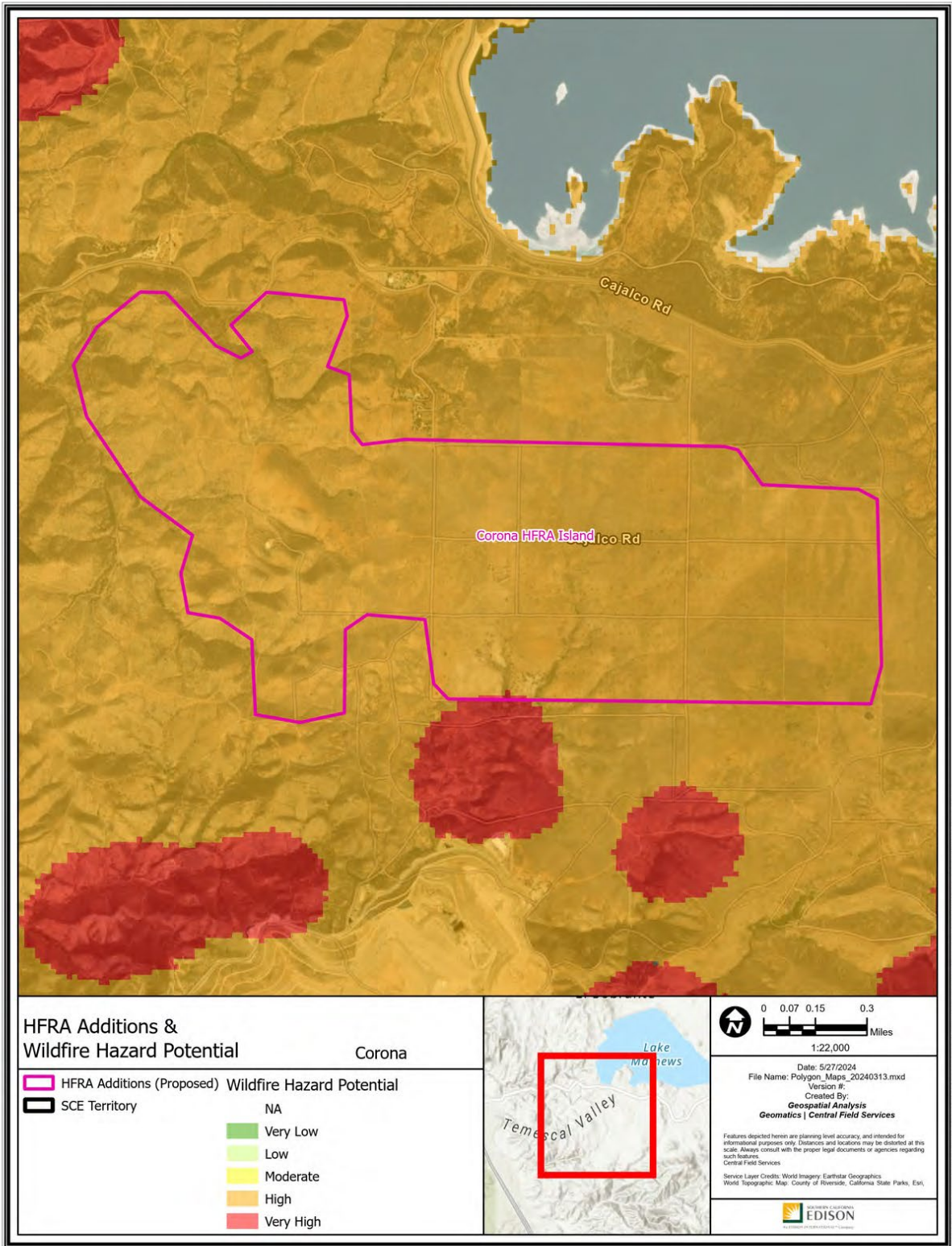
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 2.82 | 0 | 0 | 0 | 0 | 2.82 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 0 | 2.93° | 4: High | 9% |

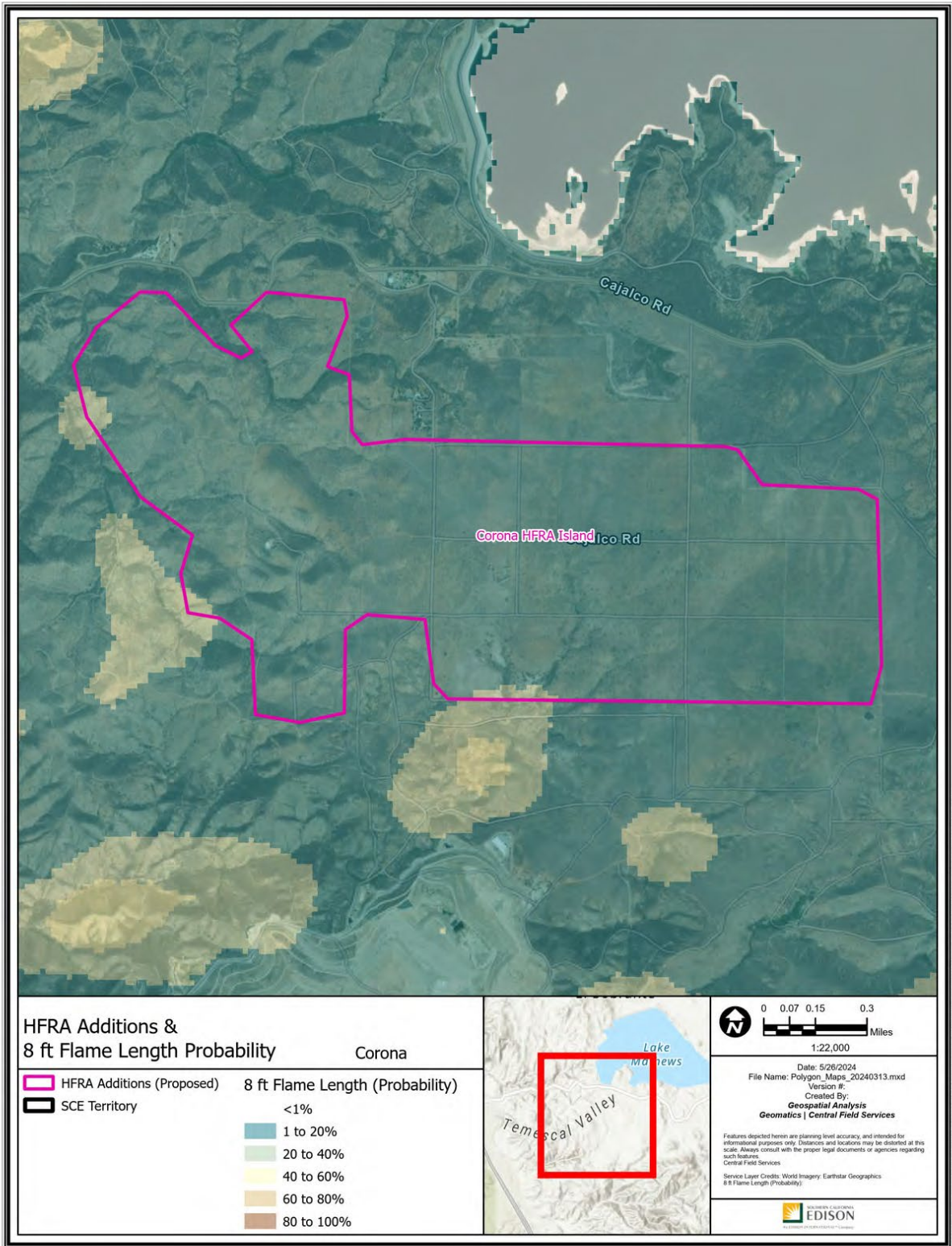
Recommendation:

SCE proposes to include the Corona polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary across unmaintained and unirrigated low to moderate load fuels, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

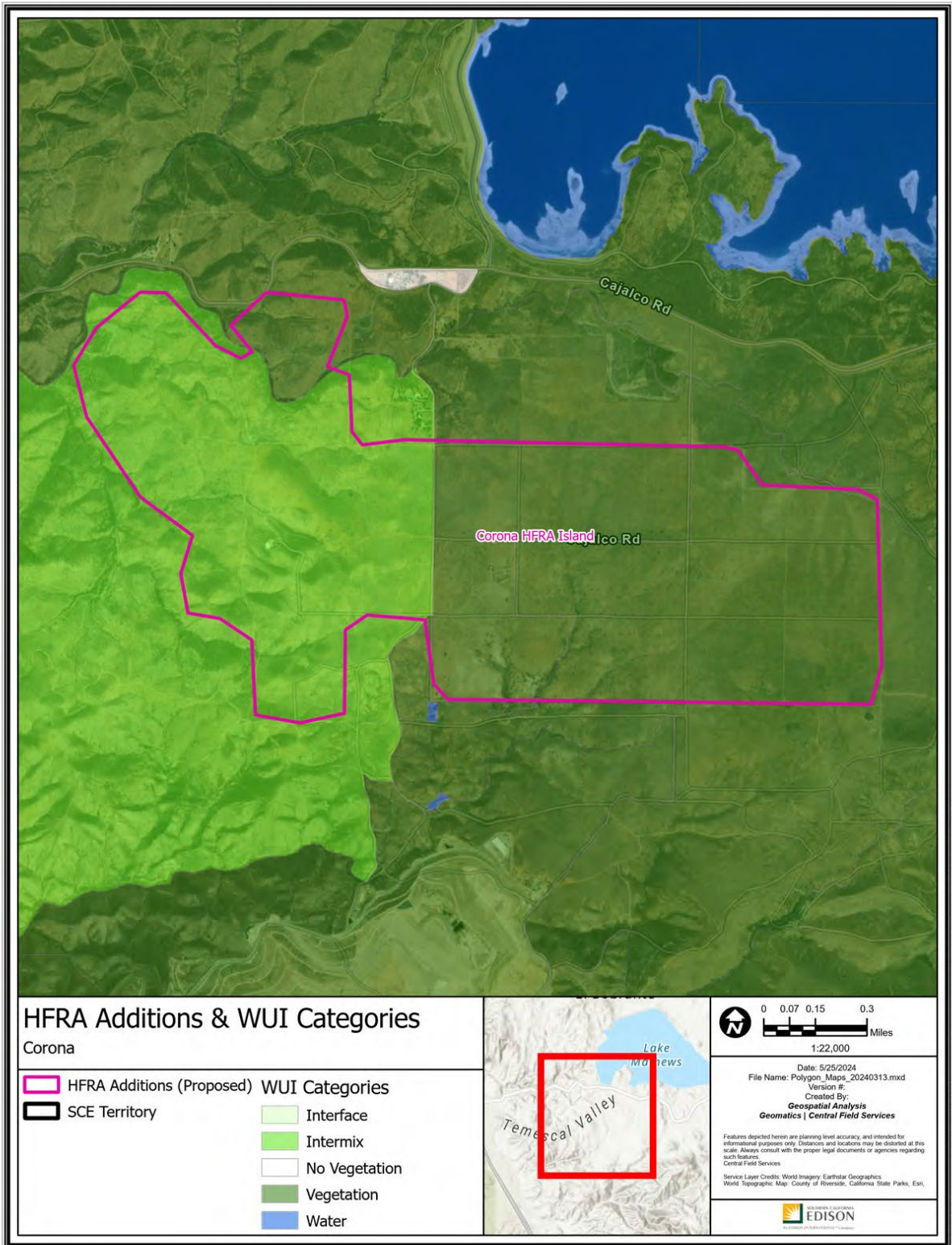
1. A fire in this polygon could spread to neighboring Tier 3 HFTD.
2. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.
3. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
4. The polygon is adjacent to areas where wildfire consequence modeling indicates High Consequence outputs.



Path: P:\PROJECTS\Spatial_Projects\HFRA_Revision_Analysis\Polygon_Maps_20240313\Polygon_Maps_20240313.aprx










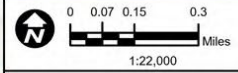
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HFRA Additions & WUI Categories

Corona

- | | |
|---|---|
|  HFRA Additions (Proposed) |  Interface |
|  SCE Territory |  Intermix |
| |  No Vegetation |
| |  Vegetation |
| |  Water |



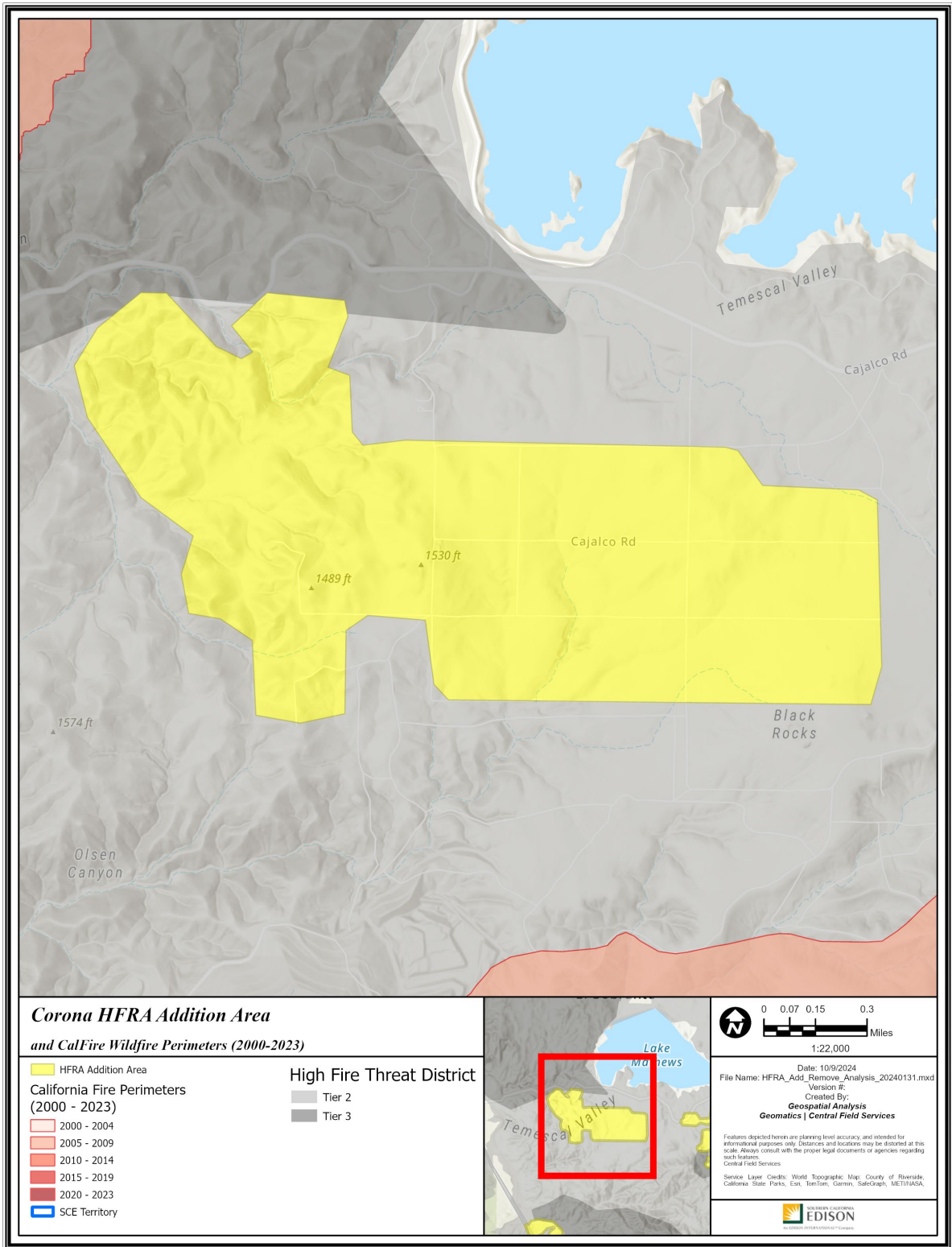
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 Version #:
 Created By: **Geospatial Analysis**
Geomatics | Central Field Services

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Service Layer Credits: World Imagery: Earthstar Geographics
 World Topographic: Map: County of Riverside, California State Parks, East.



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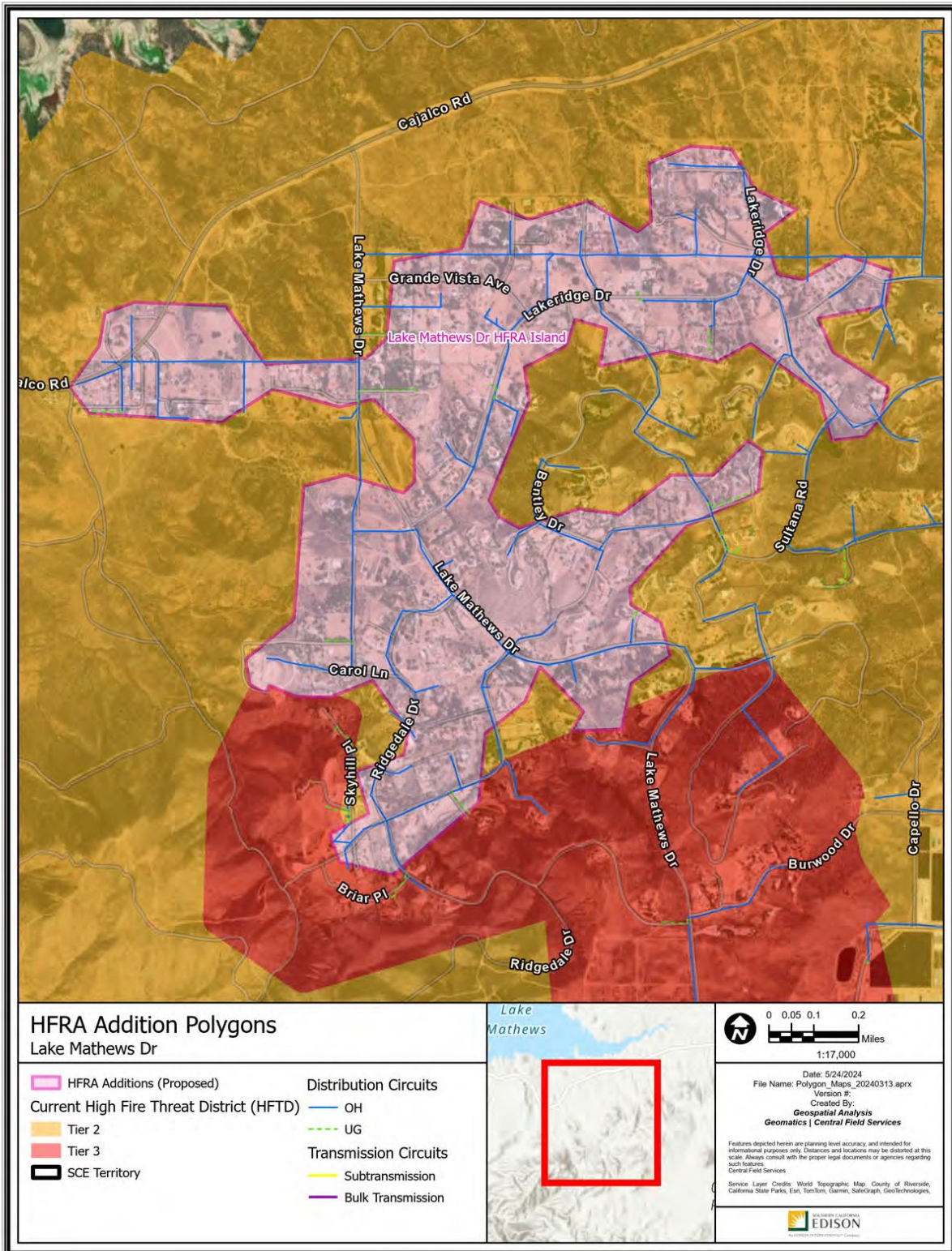
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A34 – Lake Mathews Dr

Riverside County

-117.409288, 33.814909

653 Acres



Polygon Attributes:

| Notable Vegetation/Fuels (top 4) | |
|---|--|
| 83.2% | Moderate Load Dry Climate Grass Shrub |
| 7.4% | Minor Roads Surrounded by Low Fire Behavior Fuel |
| 3.3% | Scattered Surrounded by Low Fire Behavior Fuel |
| 2.4% | Major Roads Surrounded by Low Fire Behavior Fuel |

| Silvis Lab Wildland-Urban Interface | | | | | |
|--|---------------|-------------------|-------|-------|-------|
| WUI Intermix | WUI Interface | Wildlands / Rural | Urban | Water | Total |
| 98.5% | 0.0% | 1.5% | 0.0% | 0.0% | 100% |

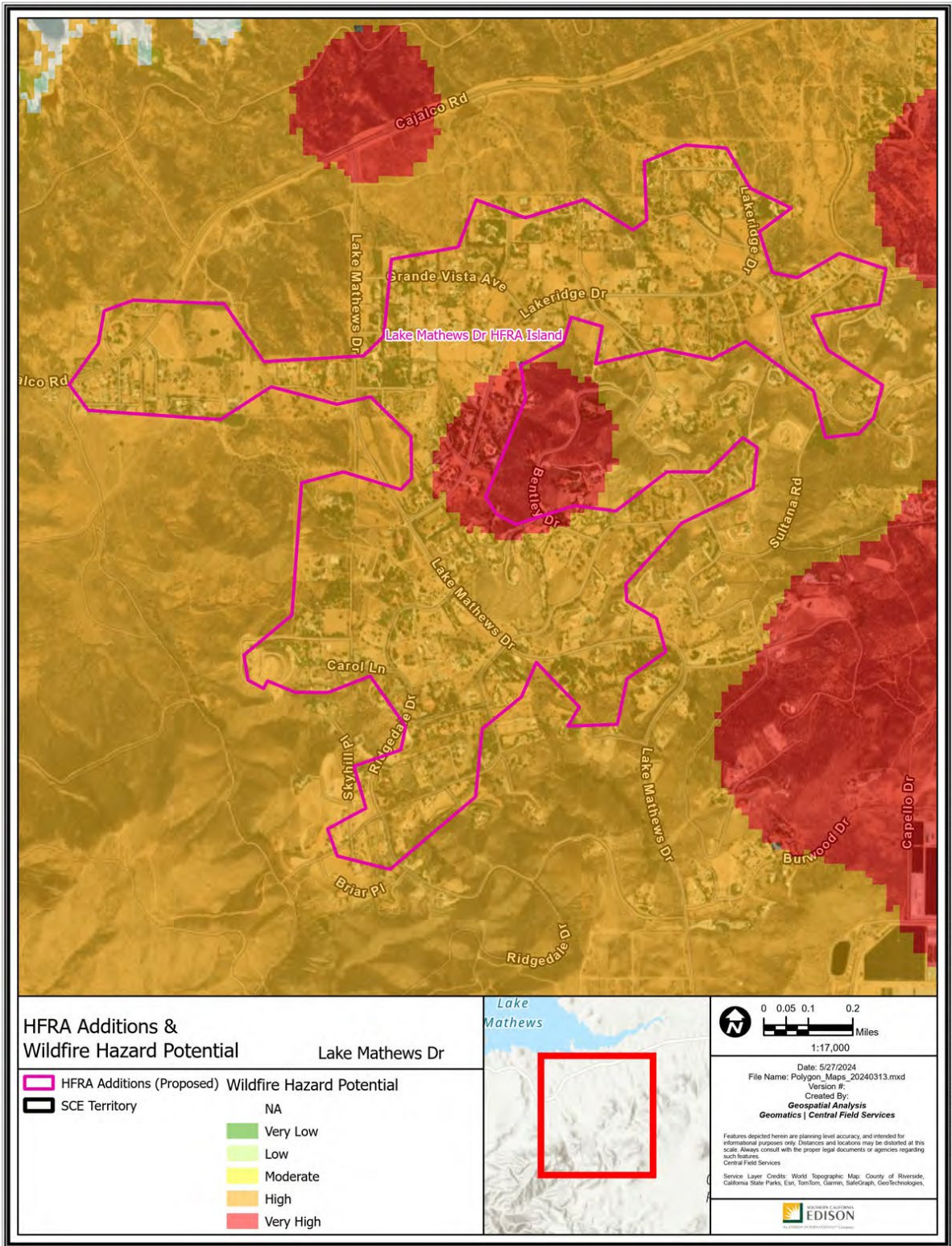
| SCE Conductor Circuit Miles | | | | | |
|------------------------------------|------------|--------------|--------------|---------------|-------|
| Primary OH | Primary UG | Sub Trans OH | Sub Trans UG | Bulk Trans OH | Total |
| 9.44 | 0.76 | 0 | 0 | 0 | 10.2 |

| Count of Customer Meters | ESRI Average Terrain Slope (0° = flat to 90° = vertical) | USFS Hazard Potential (1: Very Low to 5: Very High) | USFS 8ft+ Flame Probability (0% to 100%) |
|--------------------------|---|--|---|
| 226 | 4.62° | 4: High | 10% |

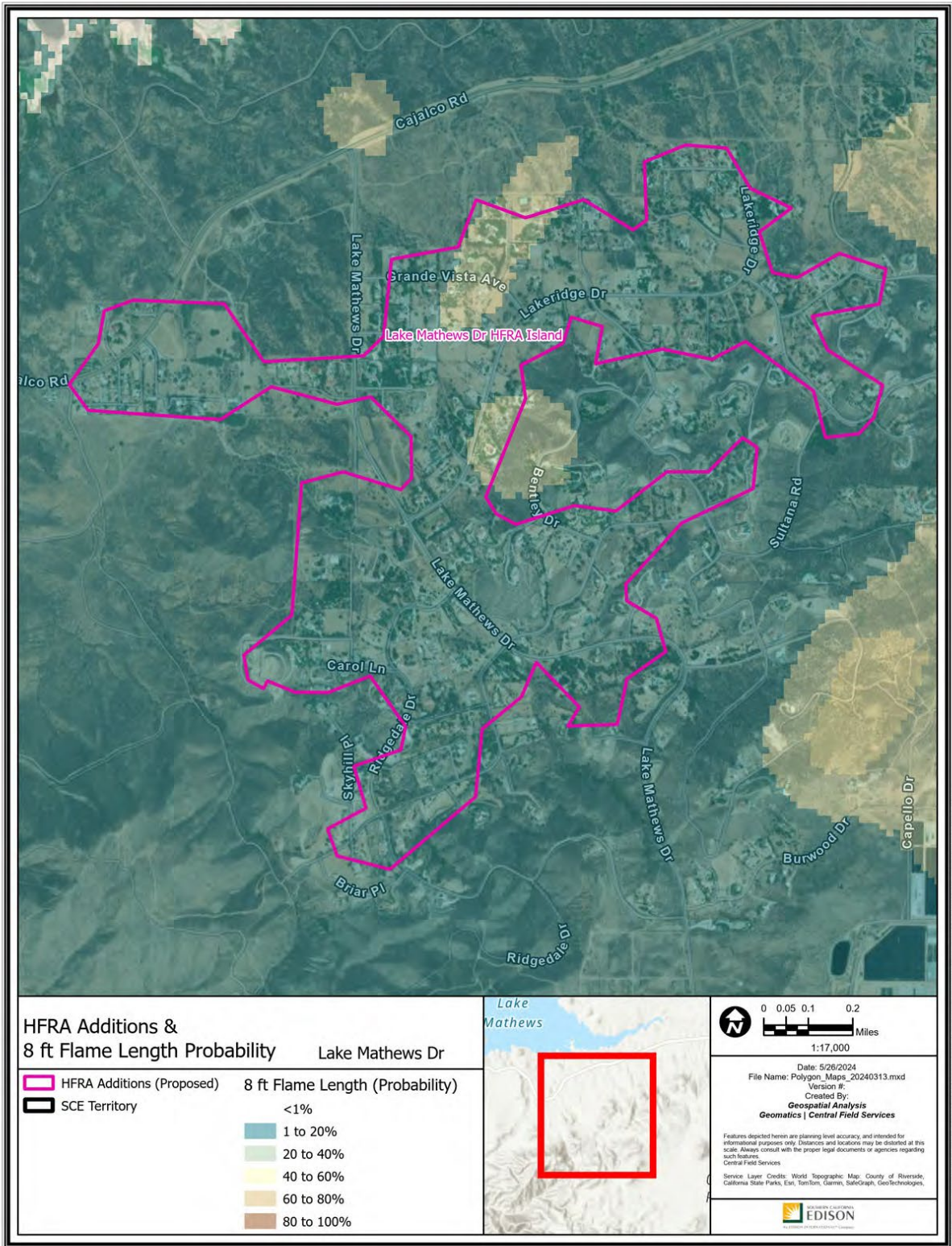
Recommendation:

SCE proposes to include the Lake Mathews Dr polygon as Tier 2 HFTD. This addition would extend the existing HFTD Tier 2 boundary across homes on large lots with moderately complex terrain and moderate fuel loads, consistent with the adjacent Tier 2 HFTD. This recommendation is also supported by the following facts:

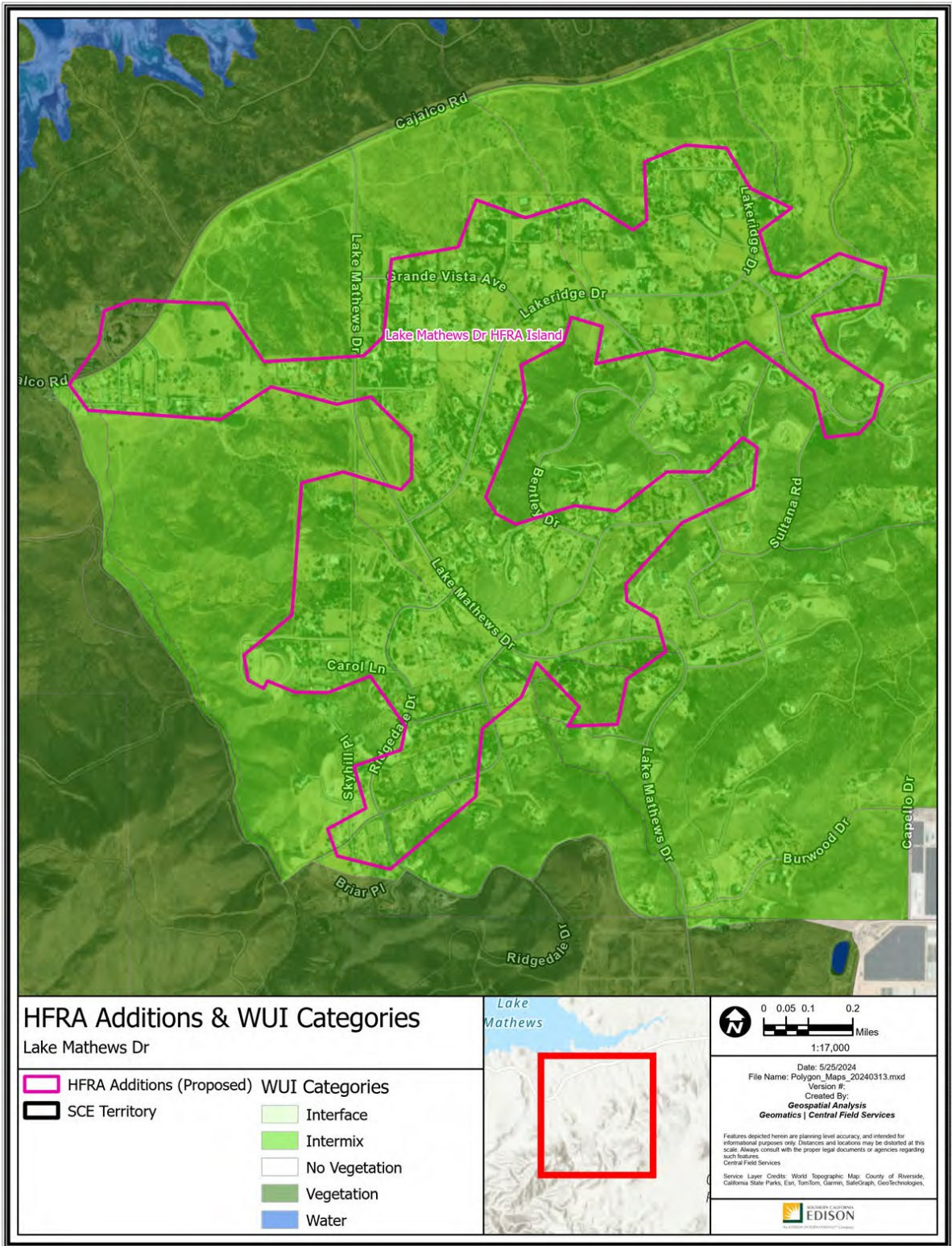
1. A fire in this polygon could spread to neighboring Tier 3 HFTD.
2. This polygon has experienced high winds that could contribute to a wildfire developing or spreading following an ignition.
3. High Wildfire Hazard Potential is indicated by USFS data for a portion of this polygon.



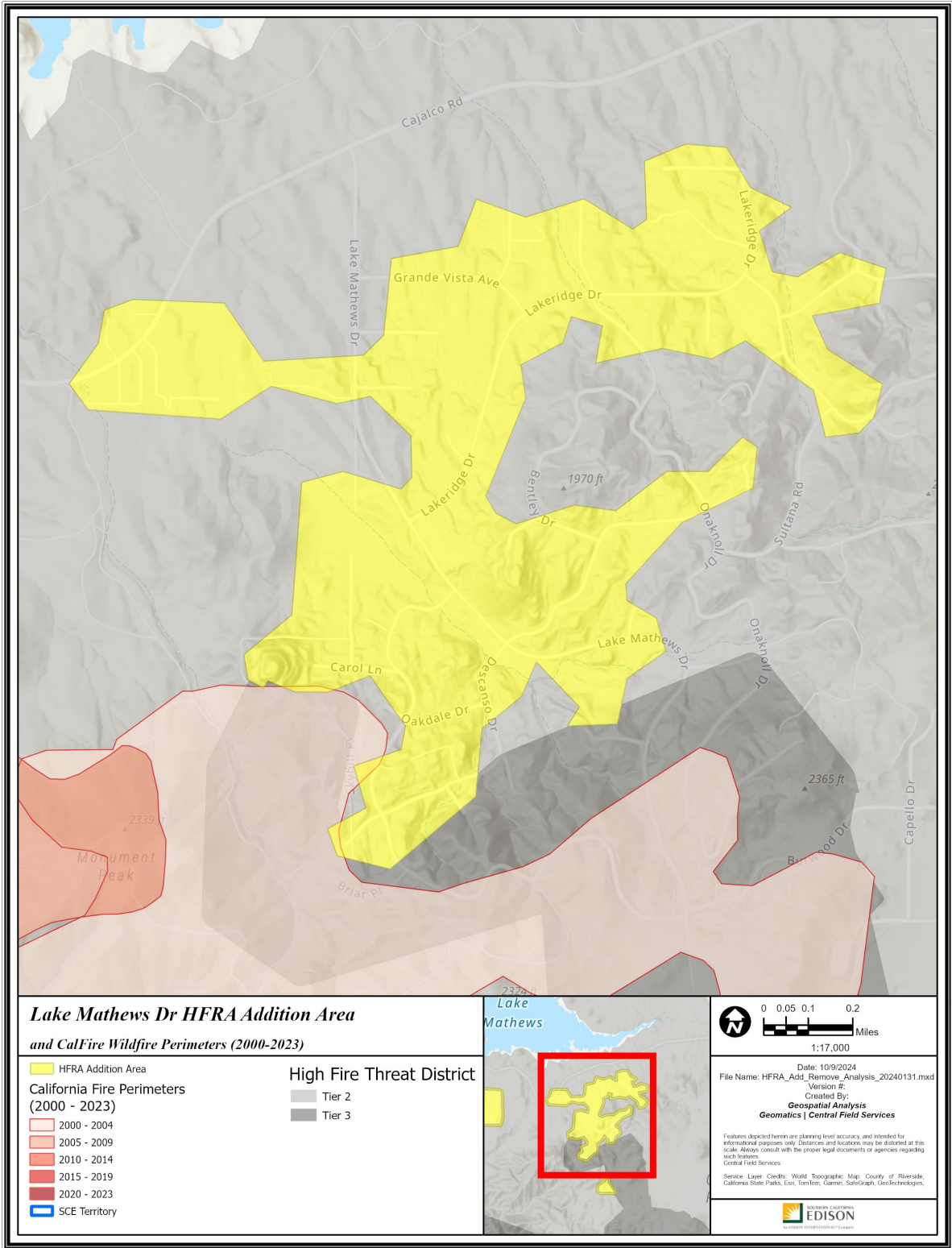
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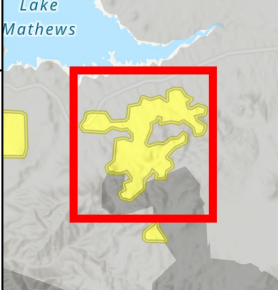
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**Lake Mathews Dr HFRA Addition Area
and CalFire Wildfire Perimeters (2000-2023)**


- HFRA Addition Area
- California Fire Perimeters (2000 - 2023)
 - 2000 - 2004
 - 2005 - 2009
 - 2010 - 2014
 - 2015 - 2019
 - 2020 - 2023
- SCE Territory

- High Fire Threat District**
- Tier 2
 - Tier 3



Date: 10/9/2024
 File Name: HFRA_Add_Remove_Analysis_20240131.mxd
 Version #:
 Created By:
Geospatial Analysis
Geomatics | Central Field Services

Features depicted herein are planning level accuracy and intended for informational purposes only. Distances and locations may be distorted at this scale. Always consult with the proper legal documents or agencies regarding such features.
Service Layer Credits: World Topographic Map, County of Riverside, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Central Field Services



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