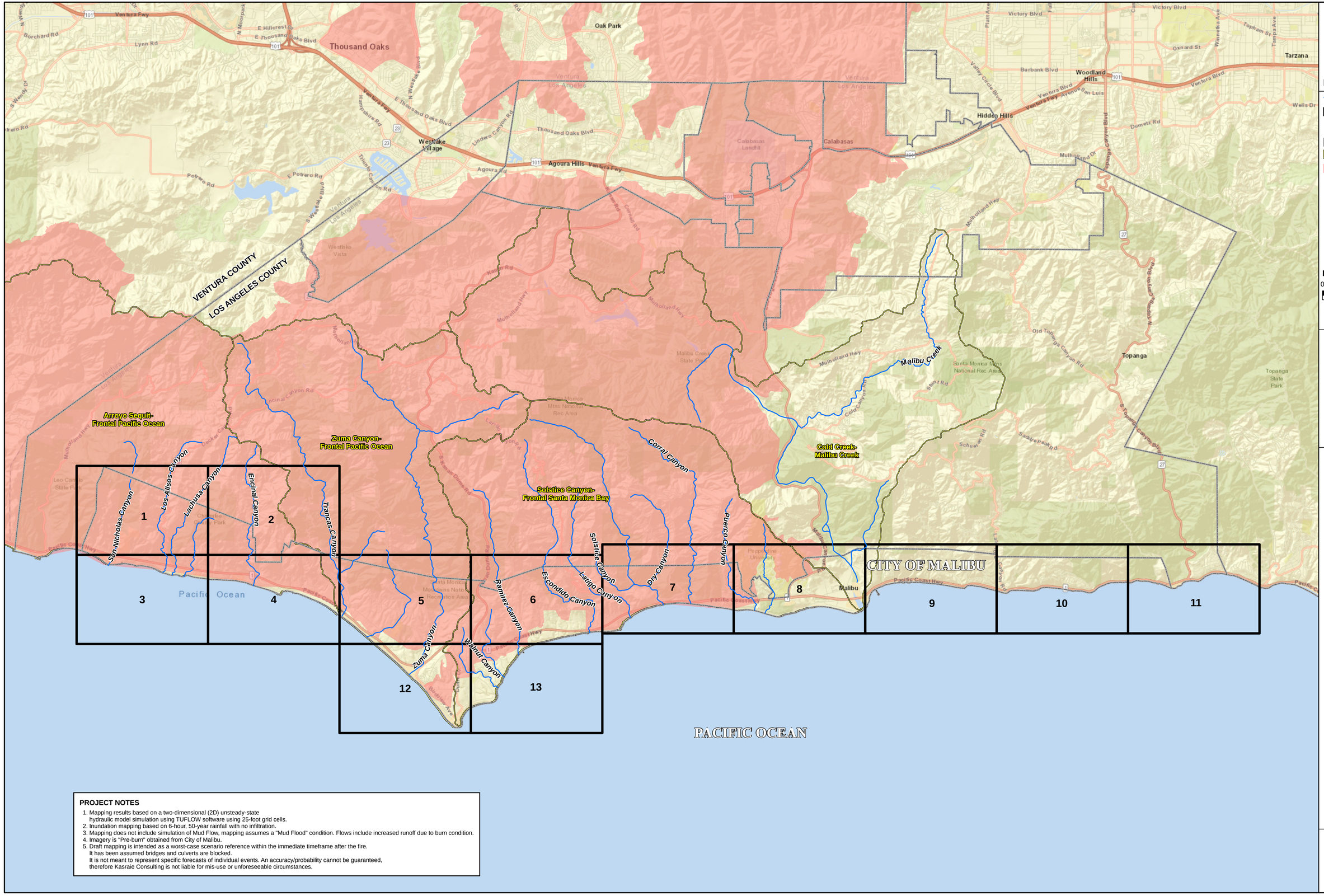

PROJECT NOTES

1. Mapping results based on a two-dimensional (2D) unsteady-state hydraulic model simulation using TUFLOW software using 25-foot grid cells.
2. Inundation mapping based on 6-hour, 50-year rainfall with no infiltration.
3. Mapping does not include simulation of Mud Flow, mapping assumes a "Mud Flood" condition. Flows include increased runoff due to burn condition.
4. Imagery is "Pre-burn" obtained from City of Malibu.
5. Draft mapping is intended as a worst-case scenario reference within the immediate timeframe after the fire. It has been assumed bridges and culverts are blocked. It is not meant to represent specific forecasts of individual events. An accuracy/probability cannot be guaranteed, therefore Kasraie Consulting is not liable for mis-use or unforeseeable circumstances.

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Legend

- Streams
- Map Sheets (36x22) 4800
- Map Sheets (36x22) 3600
- Corporate Boundaries
- Watershed (HUC 12)
- Approximate Woolsey Fire Burn Area

FEBRUARY 3, 2019

0 2,000 4,000 6,000 Feet

1 inch equals 4,000 feet

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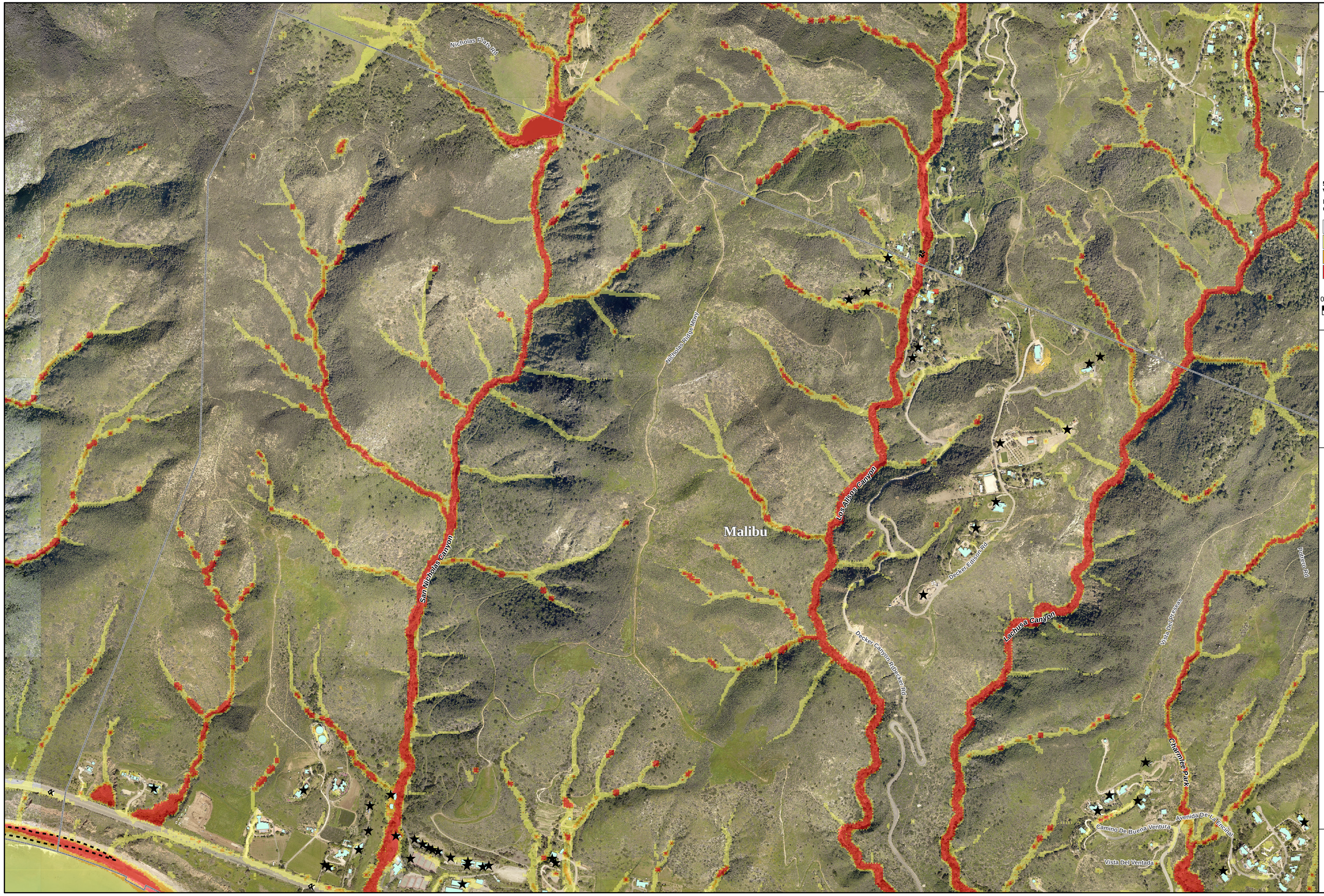
RISK AND VULNERABILITY MAP POST FIRE 50-YEAR RAINFALL CITY OF MALIBU

INUNDATION MAP SHEET

INDEX



Legend

- Damaged Buildings
- Buildings
- Corporate Boundaries
- FEMA 100 Year Floodplain

50-Year Depth x Velocity (ft^2/sec)

Flood Severity Category

- Lowest Risk: 0 - 0.2
- Low: 0.2 - 2.2
- Moderate: 2.2 - 5.4
- High: > 5.4

FEBRUARY 3, 2019

0 200 400 600 Feet

1 inch equals 400 feet

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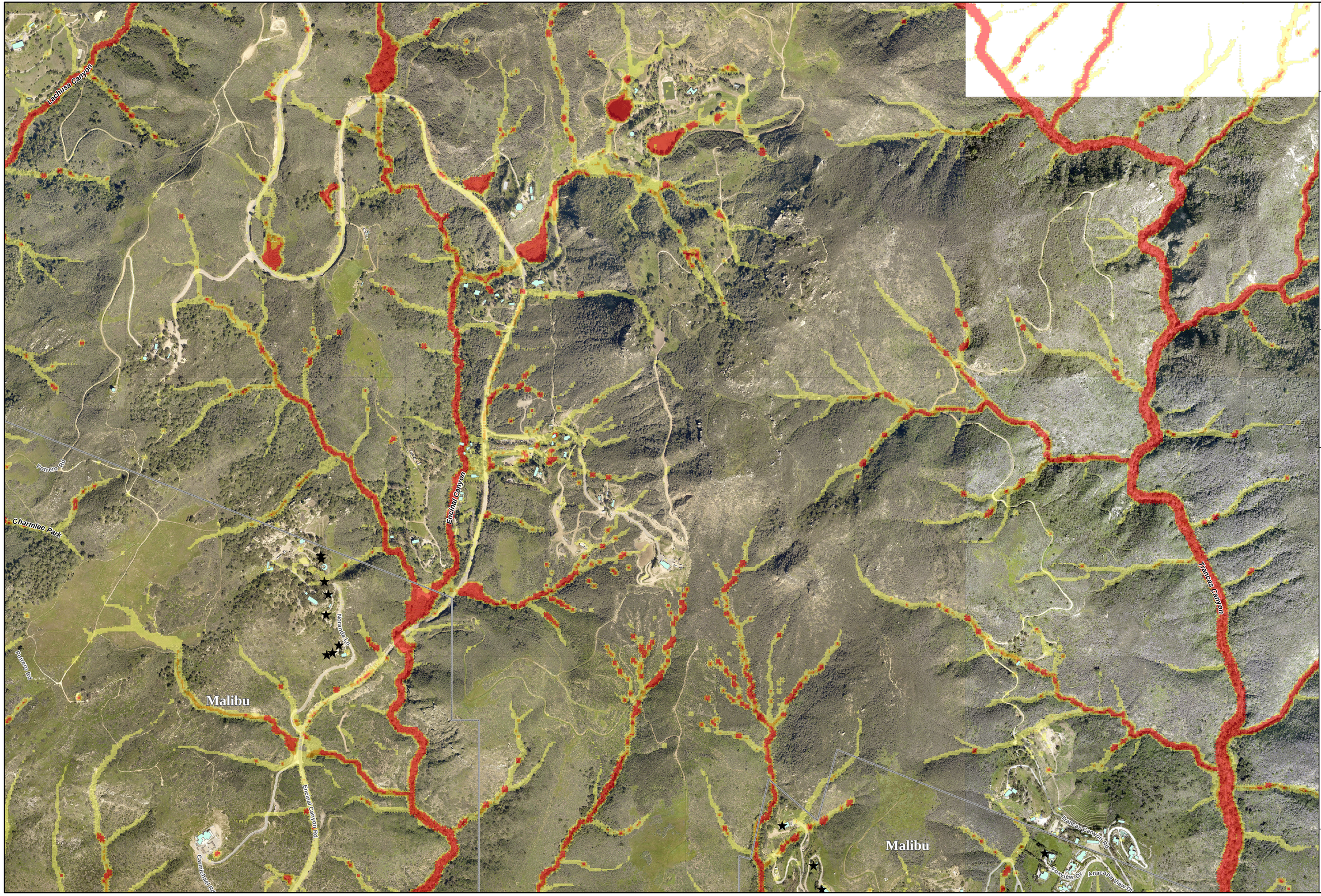

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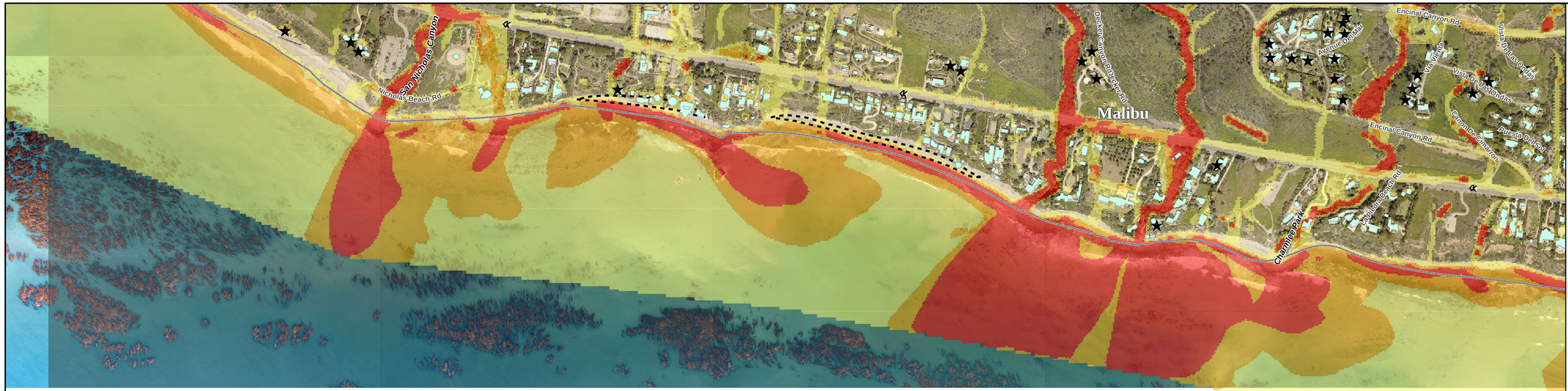

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CITY OF MALIBU

INUNDATION MAP SHEET

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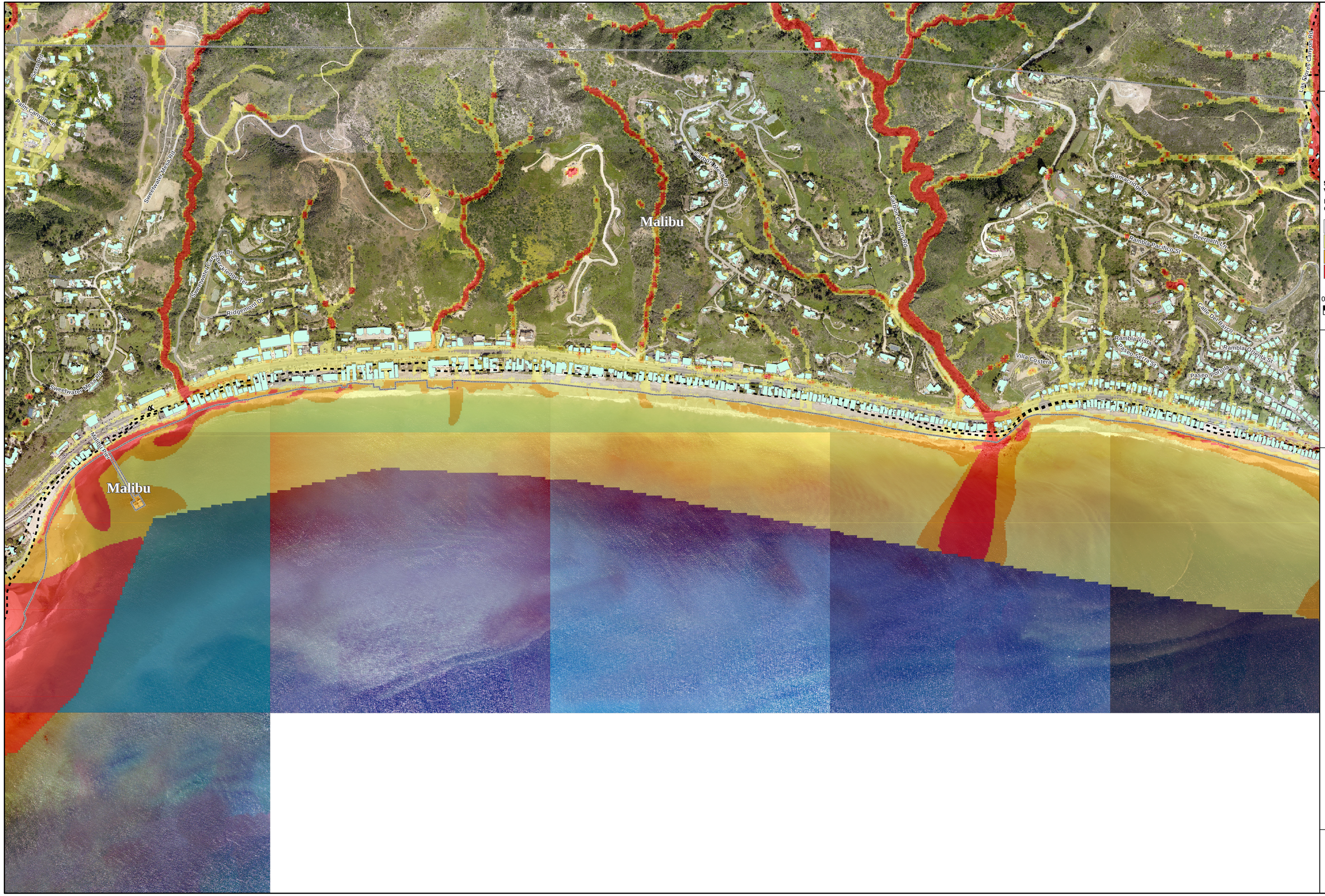
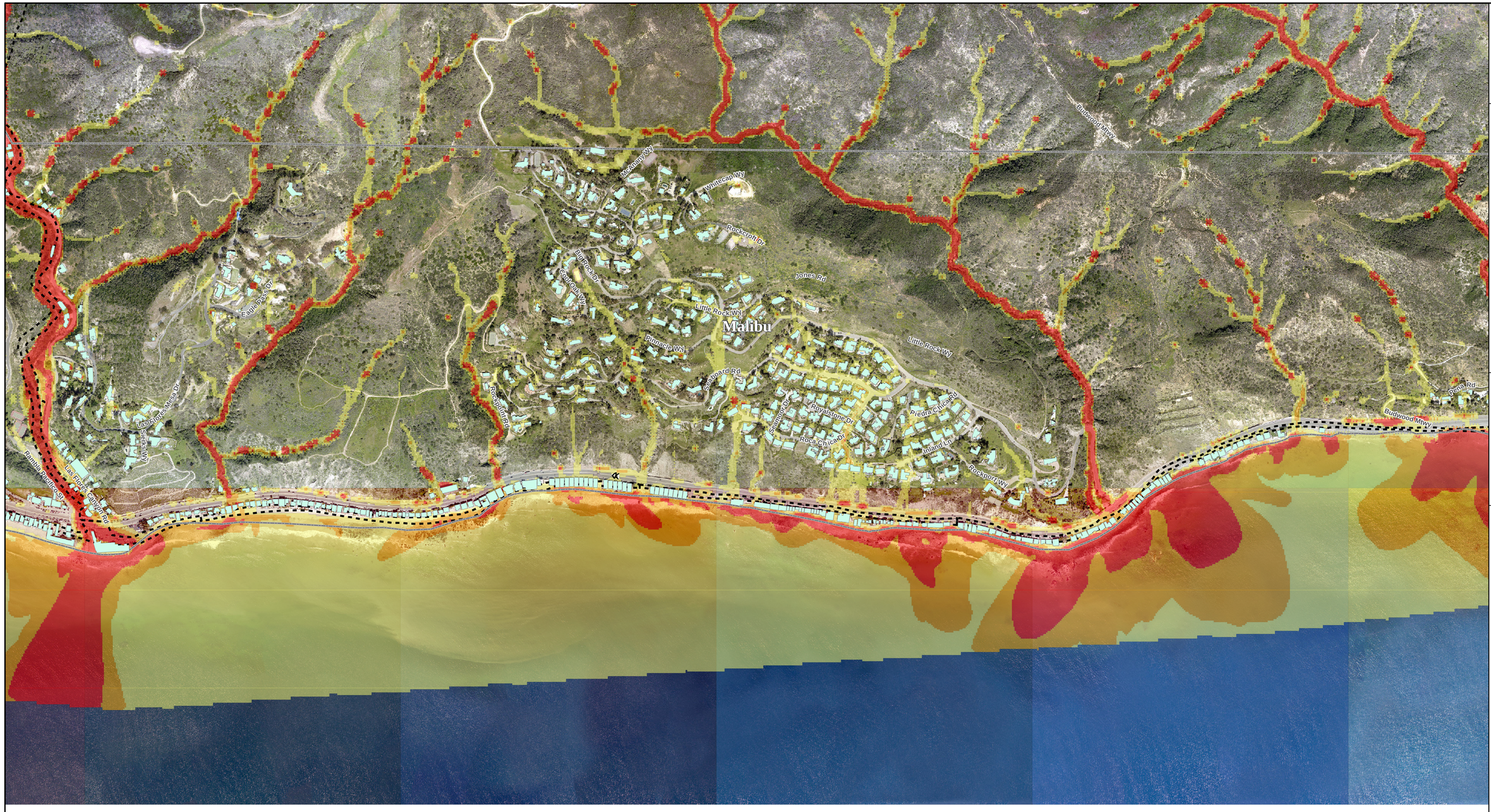

Malibu
Malibu
Sweetwater Mesa Rd
Palm Canyon Ln
Sweetwater Canyon Dr
Ridgemont Dr
Sweetwater Mesa Rd
Malibu Pier
Carbon Mesa Rd
Carbon Canyon Rd
Sumeridge Dr
Ramirez Canyon Rd
Ramirez Canyon Rd
Ramirez Canyon Rd



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CITY OF MALIBU

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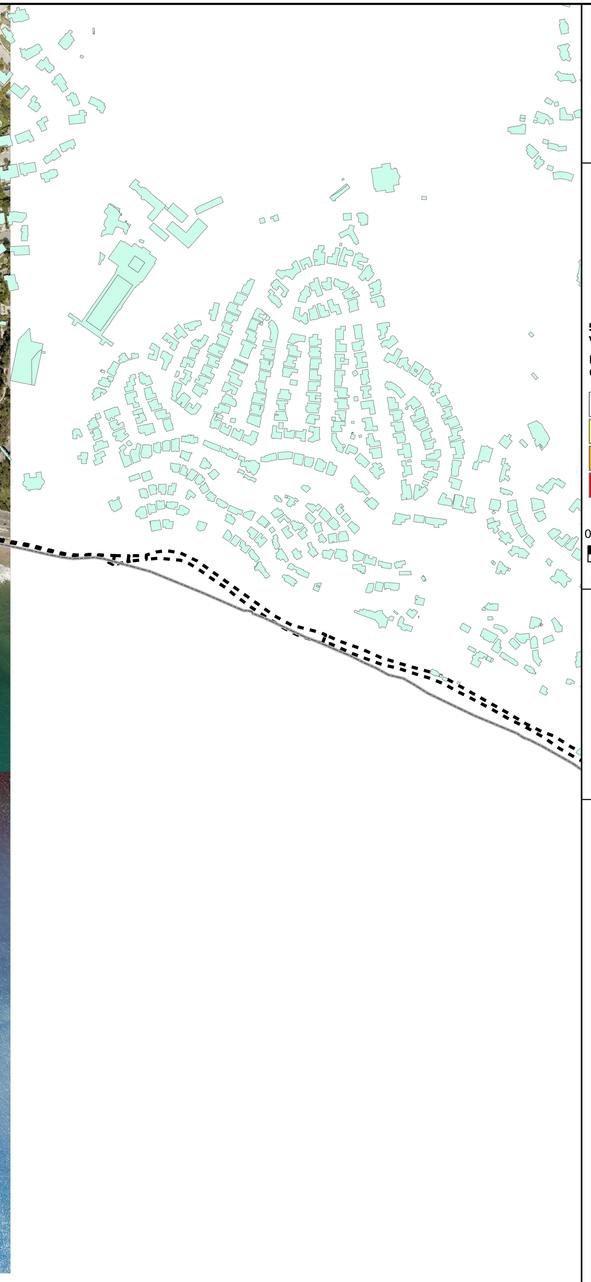

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INUNDATION MAP

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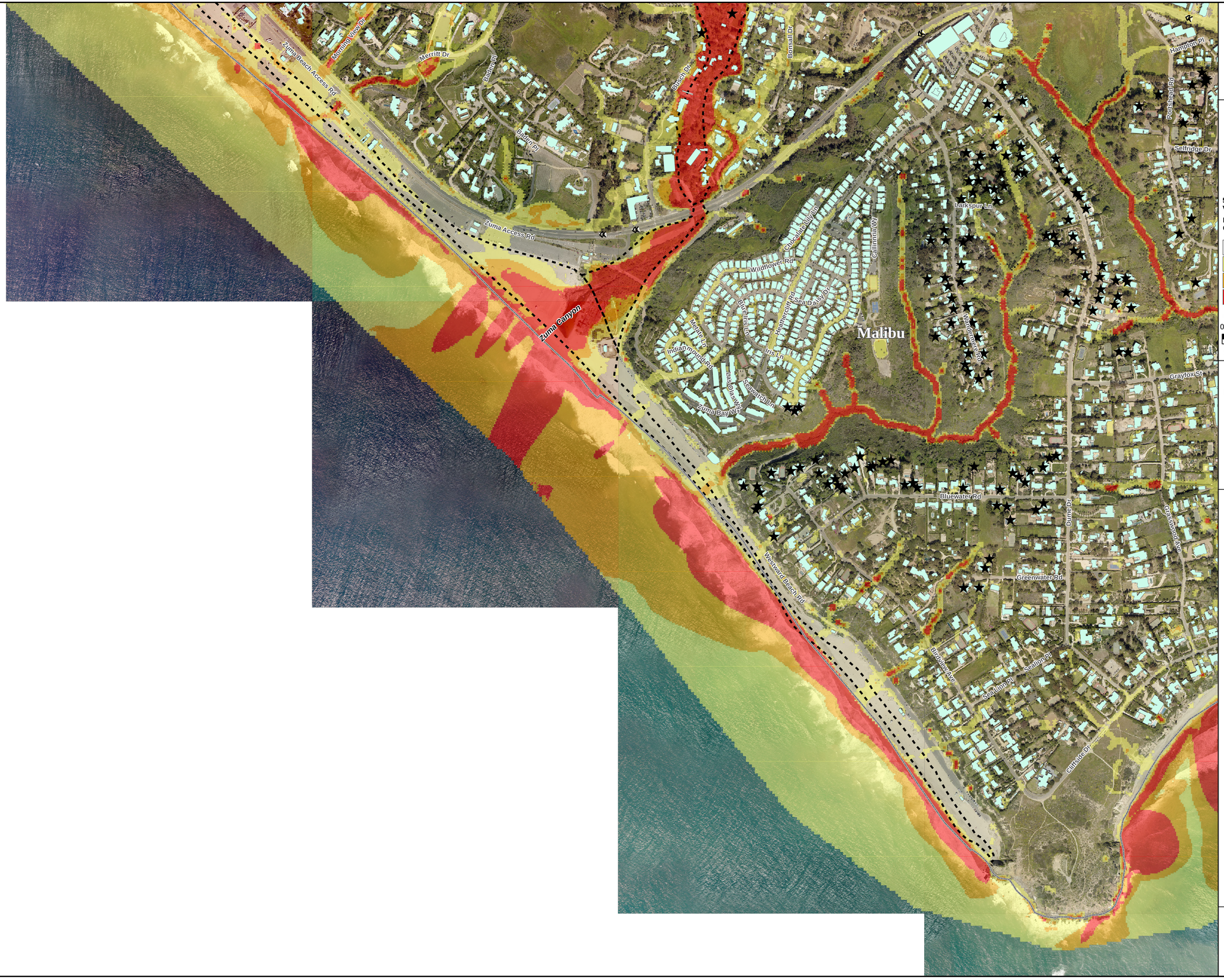

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