

MARIN COUNTY EVACUATION RISK ASSESSMENT

FIRE

FACTORS

PURPOSE

Why?

The Evacuation Ingress/Egress Planning Tool Project Study was undertaken to understand and address the risks associated with evacuation routes in Marin County. The goal is to construct an inventory of risk factors and dynamic models of wildland fire spread, communications processes, and transportation networks to simulate wildfire evacuation scenarios in Marin County. Risk ratings are assigned to address how road, fire, and communication characteristics affect evacuation. This fact sheet addresses fire risk ratings

METHODOLOGY

What was the process?

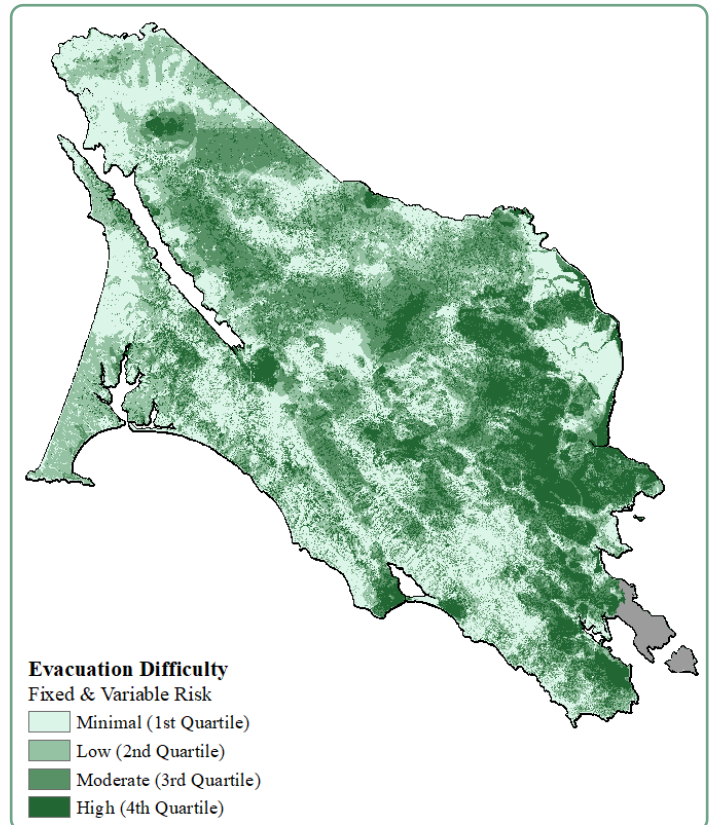
Fire and fuel risks address fire behavior such as high flame lengths and the rate of spread. Areas that are within the wildland urban interface (WUI), previous fire ignition sites, and previously mapped as high-risk locations (burn probability, rate of spread, and high flame lengths) have higher fire risk scores. Other factors include distance to water, structure density, and proximity to key infrastructure.

NEAR-TERM BENEFITS

What will be done to help now?

MWPA and partner agencies are using the fire risk ratings generated by the Study to generate near-term community benefits as follows.

- » Fuel treatments and breaks
- » Hydrant installations



LONG-TERM BENEFITS

What are the next steps?

MWPA and partner agencies plan to implement measures such as resiliency hubs, new evacuation shelters, and public building hardening. These long-term strategies will require grant funding that MWPA and partner agencies are actively pursuing. Co-benefits of facilities such as resiliency hubs are that they can be used during other emergency events.