



Simon's Kloof Wildfire Assessment & Report Feedback

2024

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*Co-existing with wildfire
means taking ongoing action
to be prepared and remain in
a state of low wildfire risk*



VULCAN WILDFIRE MANAGEMENT

- **35 years** combined wildfire experience in the Western Cape
- 2015/2016 Specialist Development **Program for Wildfire Crews** in the Western Cape.
- Situational Analysis Report on the **2017 Knysna Fires Disaster** for the Western Cape Governme.
- 2018 Meeting and **Presentation to the Western Cape Provincial Cabinet** on the State of Wildfires in the Western Cape Province.
- WildfireReady **Communication Campaign** Strategy for the Western Cape Government.
- Founding Members in the **National Disaster Resilience Roundtable** formed by Santam after the Knysna Fires of 2017.
- Strategy, Design, and Implementation of a **#DisasterReady Communication Campaign Toolkit** in 2020 for District, Local Municipalities in Collaboration with Santam.
- 10 Years of **Wildfire Risk Reduction reports** for large, medium, and small businesses and homeowners.
- **Vulcan Training:** Wildfire and Emergency Management



Ryan
Heydenrych



Patrick
Ryan



Rouvanne
van den Berg



WILDFIRE RISK ASSESSMENT AND PLAN FOR Simon's Kloof

JUNE 2024



How do homes burn down in wildfires?

60-90% of homes burn due to embers!

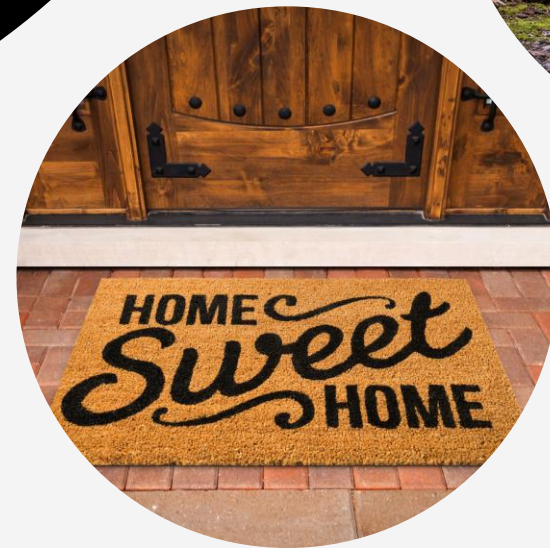
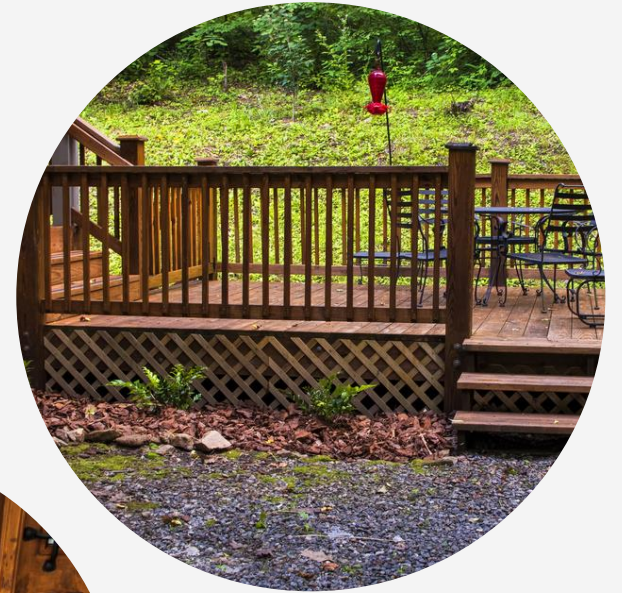
10-20% of homes burn due to Direct Flame Contact or Radiant Heat.

The presence of flammable vegetation and poor landscaping practices around homes significantly increases the risk of ignition.



○ ○ ○ ○

WHERE ARE EMBERS LANDING?



○ ○ ○ ○

THE LADDER TO FIRE INTENSITY



Simon's Kloof Wildfire Risk



**Wildfire
Scenarios**

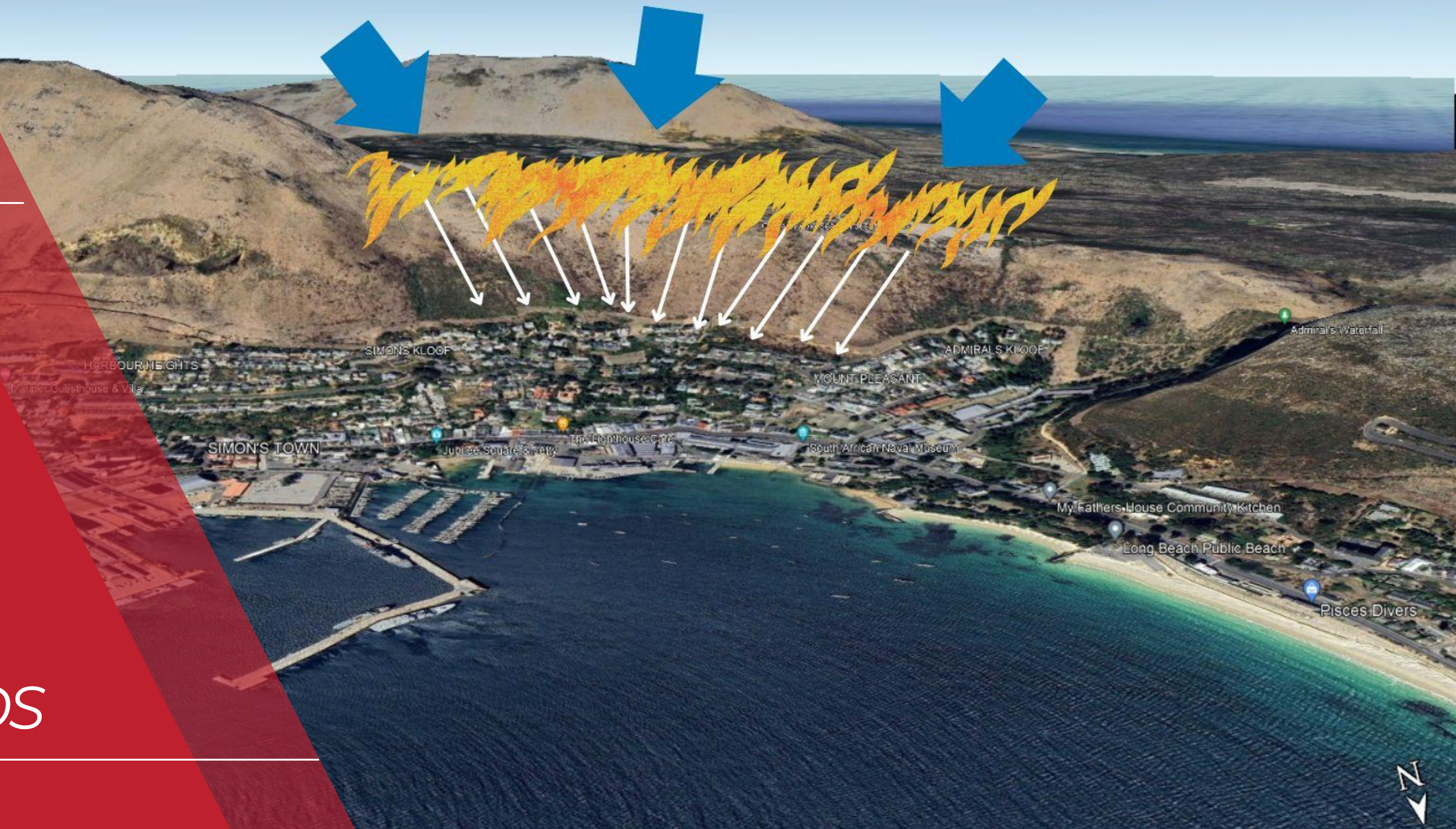


**Access &
Egress**



**Vegetation
(Fuel)**

WILDFIRE SCENARIOS



A scenic landscape photograph featuring a large, rugged mountain with visible geological strata. A thick plume of white smoke or steam rises from the base of the mountain, partially obscuring the lower slopes. In the foreground, a calm blue body of water stretches across the middle ground. To the right, a coastal town with white buildings and a marina is visible. The sky is clear and blue. A large, semi-transparent red diagonal shape covers the left side of the image, serving as a background for the text.

WILDFIRE SCENARIOS



THE RISK MATRIX

RISK

**LOW FREQUENCY
HIGH RISK**

**HIGH FREQUENCY
HIGH RISK**

**LOW FREQUENCY
LOW RISK**

**HIGH FREQUENCY
LOW RISK**

FREQUENCY

WILDFIRE SCENARIOS



WILDFIRE SCENARIOS



WILDFIRE SCENARIOS





ACCESS



Grave of Able Seaman Just Nuisance

1

2

3

HARBOUR HEIGHTS

esthouse & Villa

SIMON'S KLOOF

Victory Way

Delphin Way

Runciman Dr

ADMIRALS KLOOF

MOUNT PLEASANT

Cardiff Rd

SIMON'S TOWN

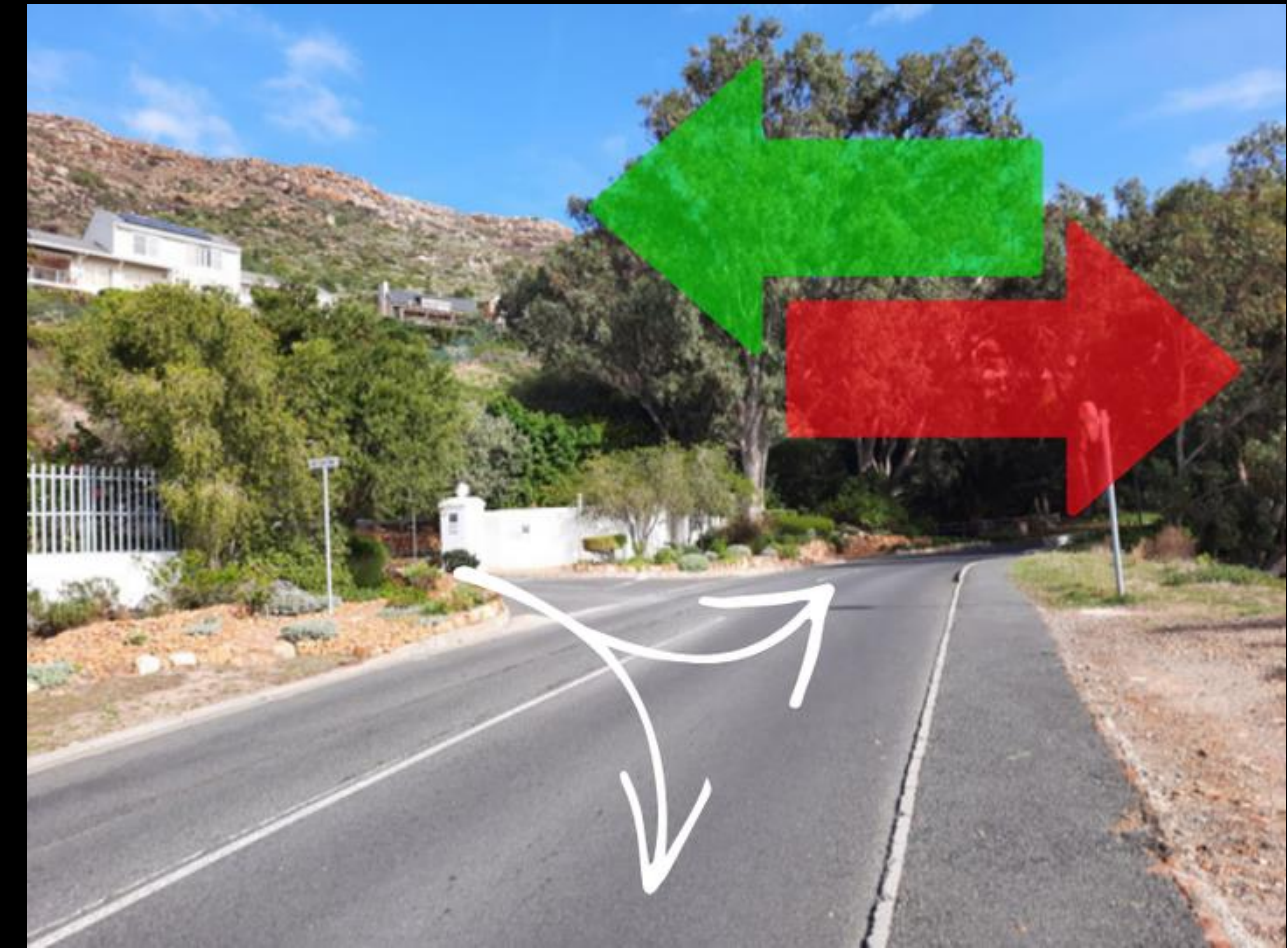
The Lighthouse Cafe

Jubilee Square & Jetty

South African Naval Museum

ACCESS

ACCESS





ACCESS

VEGETATION (FUEL)



A photograph of a hillside with a residential area. The hillside is covered in dry, brownish vegetation and some green shrubs. In the background, there are several houses with light-colored walls and dark roofs. A red diagonal overlay covers the left side of the image. Overlaid on the hillside are several yellow and orange lines. A single orange line runs horizontally across the upper middle of the hill. A series of yellow lines form a large, irregular loop that encircles a central area of the hillside, passing above and below the orange line. The text 'VEGETATION (FUEL)' is written in white, italicized, sans-serif font in the bottom left corner, partially overlapping the red area.

*VEGETATION
(FUEL)*



*VEGETATION
(FUEL)*



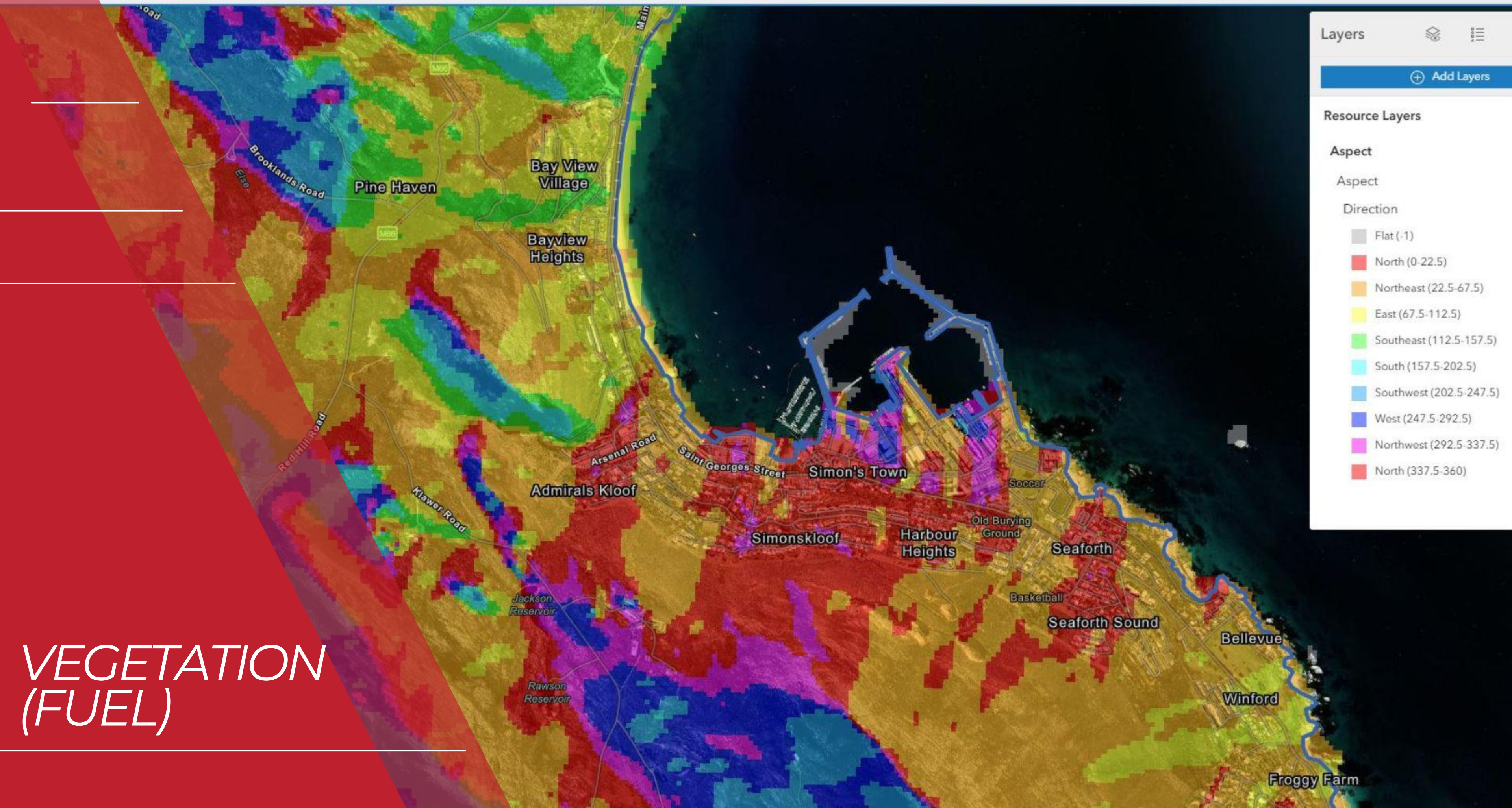
*VEGETATION
(FUEL)*



*VEGETATION
(FUEL)*

A scenic landscape photograph showing a coastal town nestled at the base of a rocky, hilly coastline. In the foreground, a steep, rocky slope is covered with sparse green vegetation and scattered brown rocks. A bright yellow oval is drawn around this vegetated area, indicating it as a source of fuel. The town in the middle ground features several white buildings with dark roofs. In the background, a calm blue bay is filled with numerous sailboats, and distant mountains are visible under a blue sky with light clouds. A large, textured red diagonal shape is overlaid on the left side of the image.

*VEGETATION
(FUEL)*



VEGETATION
(FUEL)

*VEGETATION
(FUEL)*





VEGETATION
(FUEL)

*VEGETATION
(FUEL)*





*VEGETATION
(FUEL)*



VEGETATION
(FUEL)

A photograph of a residential area on a hillside. In the foreground, there is a rocky slope with green and brown vegetation. In the middle ground, several houses with grey roofs are visible. A bright yellow and orange flame graphic is superimposed on the right side of the houses. A thick yellow line forms a loop around the houses. A long, white, curved line extends from the left side of the image across the sky. The sky is blue with some white clouds. A large red diagonal shape is on the left side of the image.

*VEGETATION
(FUEL)*

*VEGETATION
(FUEL)*



*VEGETATION
(FUEL)*



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Start Where
You Can Have
an Impact



HOME
IGNITION
ZONE



KNOWLEDGE CAN BE A GREAT DRIVER OF CHANGE

ARE YOU
WILDFIRE READY?