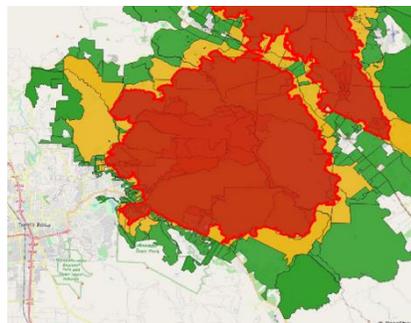# CGI Siren360
Wildfire intelligence

CGI

Does your organization's wildfire data enable insights into wildfire conditions a year in advance and provide actionable intelligence and measurable outcomes?

CGI Siren360 employs artificial intelligence (AI) predictive analytics model data to provide wildfire risk condition insights up to a year in advance. It liberates data from silos, enabling a comprehensive and improved view of evolving risk dynamics at discreet geo-location, affording users actionable intelligence. This context rich intelligence results in quantifiable return on investments and strengthens the balance sheet through cost and risk reduction.

High predictability one year in advance

Predicted a year in advance:

- The yellow shaded area on this map indicates the perimeter of fire that is likely to exist, given wildfire risk conditions.
- The green shaded area indicates the area to be outside of any likely fire perimeter.

Eleven months later, the red shaded area is the actual wildfire perimeter that burned.

Spatial and temporal intelligence

CGI has partnered with a highly specialized predictive analytics firm with proven models to enable entities to make timely and informed decisions to reduce risk and impact of wildfire. Spatial and temporal intelligence is generated by digitally assembling vast amounts of disaggregated wildfire and environmental data sets into digital fingerprints of the land, utilizing machine learning and AI.

Digital profiles have been developed for California, Colorado, Oregon and Washington states, with more states to be released in the near future. These profile designs leverage powerful AI network data and

The impact of wildfires

Wildfires continue to play a catastrophic role in assets destroyed and billions of dollars in losses reported.

$13B+

Over $13 billion in insured losses
- AON 2020 Annual Report, JAN, 2021

58K+

Over 58,000 wildfires, burning 10.2M+ acres (most on record)
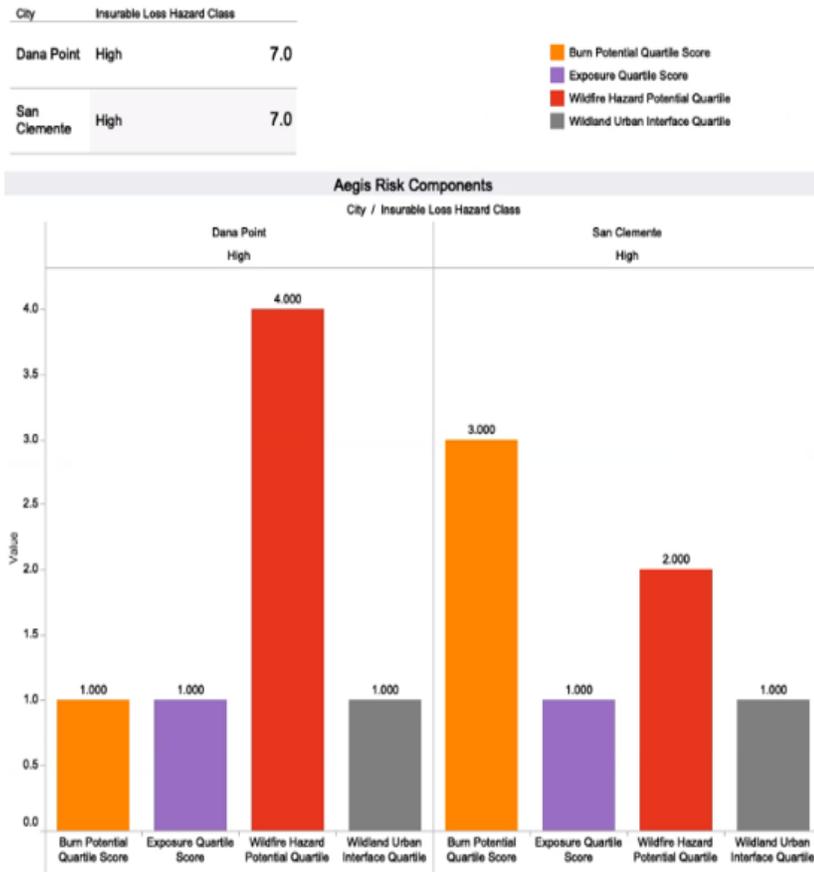*- NOAA Wildfires - Annual 2020, JAN, 2021*

17.9K+

Structures destroyed; 9.6K residences, 7.2K minor structures, and 1.1K commercial/mixed residential structures.
- National Interagency Fire Center, 2020 Statistics and Summary; Introduction and Summary

includes unprecedented traceability. CGI Siren360 consumes this data in conjunction with an organization's varied data sets to produce analysis, reporting, alerting, automated workflows and more, for richer actionable insights and measurable outcomes.

Environmental data and greater insights

When digital fingerprints of the land are integrated with commercial systems, new layers of insights and value are attainable. Unlike most wildfire data sets which provide generalized risk scores such as "high," CGI Siren360 utilizes digital fingerprints of the land to deliver greater insights as shown in the example below:

Sample insights which can be exposed a year in advance via CGI Siren360:

- Fire perimeter boundaries
- Property exposure and destruction risk
- Traceable and explainable data
- Mitigation and management, such as AI assisted portfolio balance and optimization support, e.g., given wildfire risk exposure, where are rate changes, new policies, renewals and non-renewals justified

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CGI Siren360 is a trademark or registered trademark of CGI Inc. or its related companies.

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About CGI

Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

For more information
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