

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2023
Data Response

PG&E Data Request No.:	MGRA_004-Q004		
PG&E File Name:	WMP-Discovery2023_DR_MGRA_004-Q004		
Request Date:	April 28, 2023	Requester DR No.:	MGRA-PGE-WMP23_No.4
Date Sent:	May 3, 2023	Requesting Party:	Mussey Grade Road Alliance
DRU Index #:		Requester:	Joseph Mitchell

SUBJECT: WDRM DATA:

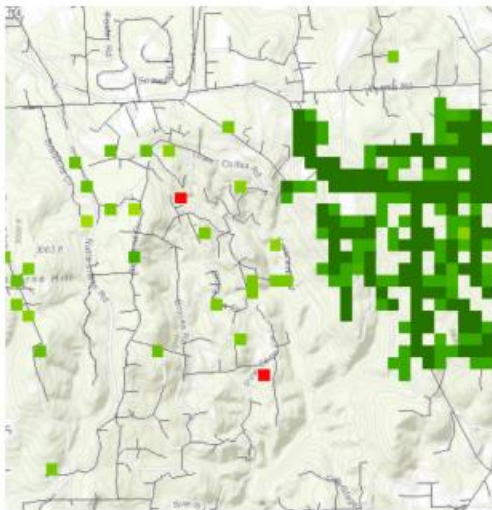
Attachment 2023-03-27_PGE_2023_WMP_R1_Appendix C_Atch01\Section_6.gdb contains potentially useful risk information in an aggregated format. I believe that this is “6.4.1.1 Geospatial Maps of Top-Risk Areas within HFRA” However there are certain features that prevent its effective use:

- The risk data is not provided in numeric format, but in a percentile bin. This binning seems not to be accurate, since virtually all circuits fall under the “Lowest Risk” categories, making it impossible to differentiate circuit risk.
- There is considerably more visible distribution line in the “PrimaryDistributionLine” GIS data than is evident in the Section 6 file.
- “Hot pixels” appear in the data of higher risk, isolated from the rest of the distribution system.

Please the provide additional information and data to support the use of this file:

QUESTION 004

Please explain why isolated “hot polygons” appear in the data, as shown below, and whether these represent actual risk or an artifact.



The issues identified above make this data set of little use for analysis of PG&E’ risk model However, minor modifications should make it more than satisfactory for this purpose.

ANSWER 004

It is difficult to determine the location of the provided example based on the information provided. Orphaned pixels, such as those shown in the example, may result from missing pixels due to incomplete data or processing of the data. At the pixel-by-pixel level, the model does exhibit some level of noise that can result in high-risk hot spots in an area of generally lower risk pixels. As seen in the example below, low risk and high-risk pixels can mix locally. For this reason, workplan development is generally guided by circuit segment level aggregations that provide an improved indication of risk level.

