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Summary

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Sonoma County

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Sonoma County Comprehensive Cannabis Program Update

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Hello, Crystal—

Thank you for providing the County's Notice of Availability (NOA) of a Draft Environmental Impact Report (DEIR) for our review. This email conveys the following recommendations from CGS concerning geologic and seismic hazard issues within the proposed project:

1. Liquefaction and Landslide Hazards

- The DEIR summarizes the Seismic Hazards Mapping Act of 1990 on page 3.7-1, which directs CGS to create Zones of Required Investigation for liquefaction and earthquake-induced landslides. There is also a general discussion of liquefaction and landslide hazards and conditions on pages 3.7-11 and 3.7-12. The County should consider providing a map of the current CGS Earthquake Zones of Required Investigation (EZRI) for liquefaction and landslides, which can be accessed at the links below. CGS recently released a preliminary Earthquake Zones of Required Investigation Map for the Sebastopol area on May 22, 2025. This map and the zones therein will become final and official on or about November 20, 2025.
- CGS maps and data are available here and should be used in the suggested map:
<https://maps-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-liquefaction-zones-1/about>
<https://maps-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-landslide-zones-doc-hosted/about>
<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>
<https://maps.conservation.ca.gov/cgs/EQZApp/app/>
- Cities and counties affected by EZRIs must regulate certain development projects within them. The Seismic Hazards Mapping Act (1990) also requires sellers of real property (and their agents) within a mapped hazard zone to disclose at the time of sale that the property lies within such a zone.

2. Earthquake Ground Motion Hazards

- The DEIR should provide a discussion of the probability of large earthquakes in the region. This discussion may include earthquake probabilities from the third Uniform California Earthquake Rupture Forecast (UCERF3). A non-technical discussion of this model is available here:
<https://pubs.usgs.gov/fs/2015/3009/pdf/fs2015-3009.pdf>

3. Fault Hazards

- The DEIR summarizes the Alquist-Priolo Earthquake Fault Zoning on page 3.7-1, which directs CGS to create Zones of Required Investigation for surface fault rupture. There is also a general discussion of liquefaction and landslide hazards and conditions on pages 3.7-11. The County should consider providing a map of the current CGS Earthquake Zones of Required Investigation (EZRI) for active faults in Sonoma County, which can be accessed at the links below. CGS recently released revised EZRI boundaries for the Rodgers Creek Fault Zone in 2024.
- CGS maps and data are available here:
<https://maps-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-fault-traces/about>
<https://maps-cnra-cadoc.opendata.arcgis.com/datasets/cadoc::cgs-seismic-hazards-program-alquist-priolo-fault-hazard-zones-1/about>
<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>

4. Tsunami Hazards

- The DEIR provides a discussion of tsunami inundation hazards on page 3.7-11. The PEIR should also discuss and provide a map depicting CGS Tsunami Hazard Areas (THAs), which are mapped along the entire California coast, including the San Francisco Bay Area coast. The purpose of a THA is to assist public agencies in identifying their exposure to tsunami hazards. It is intended for local jurisdictional, coastal evacuation planning uses only. Additional information and map files can be found at the links below:
<https://www.conservation.ca.gov/cgs/tsunami>
<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps>
https://www.conservation.ca.gov/cgs/Documents/Publications/Tsunami-Maps/Tsunami_Hazard_Area_Map_Sonoma_County_a11y.pdf
- Any future essential/critical or larger structures projects which are within a Tsunami Design Zone established by the California Building Code (CBC) and ASCE 7 standards will require certain design standards for within these zones. The following website provides additional information regarding Tsunami Design Zones: <https://asce7tsunami.online/>.

Please let me know if you have any questions.



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"A team is not a group of people who work together.

A team is a group of people who trust each other." – Simon Sinek

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