

Mar 14 2024

STATE CLEARINGHOUSE

From: Zachariasen, Judith@DOC <Judith.Zachariasen@conservation.ca.gov>
Sent: Wednesday, March 13, 2024 5:15 PM
To: ahunter@cityofmarina.org
Cc: OLRA@DOC <OLRA@conservation.ca.gov>; OPR State Clearinghouse <State.Clearinghouse@opr.ca.gov>
Subject: NOP Comments: Marina General Plan Update - SCH No. 2024021141

Dear Alyson Hunter,

The California Geological Survey (CGS) has received the Notice of Preparation of a Draft Environmental Impact Report (DEIR) for the Marina General Plan Update Project. This email conveys the following recommendations from CGS concerning geologic issues related to the project area:

1. Ground Shaking and Surface Fault Rupture Hazards

The project area is located within the broad extent of the Monterey Bay fault zone, with fault traces mapped offshore and trending toward the City of Marina, while the Quaternary-aged Reliz fault is mapped as traversing the city. Although Holocene activity has not been identified on the Reliz fault, and the offshore fault traces do not have well-defined ages, the DEIR should consider the hazard of surface fault rupture in the city. In addition, the proximity of the city to additional active faults located to the east and west indicates that the site could be subject to significant ground shaking during the life of the project. The DEIR and supporting documents should address these hazards as they relate to the project components and design of any proposed developments.

Additional information about ground shaking hazard can be obtained at the following sites:

[https://usgs.maps.arcgis.com/apps/webappviewer/index.html?](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=14d2f75c7c4f4619936dac0d14e1e468)

[id=14d2f75c7c4f4619936dac0d14e1e468](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=14d2f75c7c4f4619936dac0d14e1e468)

<https://earthquake.usgs.gov/scenarios/catalog/bssc2014/>

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Additional information about surface faults can be obtained at the following site:

[https://usgs.maps.arcgis.com/apps/webappviewer/index.html?](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf)

[id=5a6038b3a1684561a9b0aadf88412fcf](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf)

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2. Tsunami Hazards

Most of the coastal region of the City of Marina is located in a designated Tsunami Hazard Area mapped by CGS. The DEIR should address this hazard as it relates to the project components and design of any proposed developments.

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Additional information about tsunami hazard can be obtained at the following site:

<https://maps.conservation.ca.gov/cgs/informationwarehouse/> under the Tsunami Hazard

Area tab.

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3. Landslide and Liquefaction Hazards

CGS has not yet evaluated the area around the Project location for liquefaction and landslide hazards. Therefore, the absence of CGS-mapped Zones of Required Investigation does not indicate the absence of a hazard. The DEIR should address these hazards as they relate to the project components and design of any proposed developments.

If you have any additional comments or questions, please feel free to call or email.

Thank you,
Judy Zachariassen



Judith Zachariassen, PhD, PG, CEG

Senior Engineering Geologist
Fault Zoning Unit Supervisor
Seismic Hazards Program
California Geological Survey

California Department of Conservation

715 P Street, MS 1900, Sacramento, CA 95814

T: (916) 879-2844

E: judith.zachariassen@conservation.ca.gov