

From: [Zachariasen, Judith@DOC](mailto:Zachariasen.Judith@DOC)
To: SeaportSD@portofsandiego.org
Cc: OLRA@DOC; [OPR State Clearinghouse](http://OPR.State.Clearinghouse)
Subject: RE: Seaport San Diego Redevelopment Project NOP - SCH #2023090299
Date: Thursday, September 28, 2023 3:38:02 PM
Attachments: [image001.png](#)



Dear Willeen Manaos –

I inadvertently omitted a paragraph from the email I sent earlier today including comments from the California Geological Survey regarding this project. Here is the entire set of comments for your records.

The California Geological Survey (CGS) has received the Notice of Preparation of a Draft Environmental Impact Report (DEIR) for the Seaport San Diego Redevelopment Project (SCH No. 2023090299). This email conveys the following recommendations from CGS concerning geologic issues related to the project area:

1. Liquefaction Hazards

The California Geological Survey has not yet evaluated the project area for liquefaction and landslide hazards under the auspices of the Seismic Hazards Mapping Act. However, as noted in the NOP, other studies have identified the area as having a high liquefaction potential. The DEIR and supporting documents should address this hazard as it relates to the design of the proposed structures.

2. Surface Fault Rupture Hazard

Part of the project area is located within an earthquake zone of required investigation (ZORI) for surface fault rupture associated with the Rose Canyon fault zone mapped by CGS. The DEIR and supporting documents should address this hazard as it relates to the design of the proposed structures. Additional information is available at the links below:

<https://maps.conservation.ca.gov/cgs/EQZApp/app/>
[https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?
map=regulatorymaps](https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=regulatorymaps)
[https://usgs.maps.arcgis.com/apps/webappviewer/index.html?
id=5a6038b3a1684561a9b0aadf88412fcf](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf)

3. Ground Shaking Hazards

The project area is located in a seismically active region with numerous active faults, and the site could be subject to significant ground shaking. The DEIR and supporting documents should address this hazard as it relates to the design of the proposed structures. Additional information about ground shaking hazard can be obtained at the following sites:

[https://usgs.maps.arcgis.com/apps/webappviewer/index.html?
id=14d2f75c7c4f4619936dac0d14e1e468](https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=14d2f75c7c4f4619936dac0d14e1e468)
<https://earthquake.usgs.gov/scenarios/catalog/bssc2014/>

4. Tsunami Hazards

The entire project area is included in a Tsunami Hazard Area (THA) mapped by CGS. The purpose of a THA is to assist cities and counties in identifying their exposure to tsunami hazards. It is intended for local jurisdictional, coastal evacuation planning uses only. Additional information can be found at the links below:

<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_Alameda_County_a11y.pdf

The DEIR should also discuss that some areas may be within a Tsunami Design Zone determined by the California Building Code (CBC). The CBC requires certain design standards for essential/critical or larger structures. The following website provides additional information regarding Tsunami Design Zones: <https://asce7tsunami.online/>.

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

Thank you,
Judy Zachariasen

Judith Zachariasen. PG, CEG
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Fault Zoning Unit Supervisor
Seismic Hazards Program
California Geological Survey
916-879-2844

From: Zachariasen, Judith@DOC
Sent: Thursday, September 28, 2023 5:54 AM
To: SeaportSD@portofsandiego.org
Cc: OLRA@DOC <OLRA@conservation.ca.gov>; OPR State Clearinghouse <State.Clearinghouse@opr.ca.gov>
Subject: Seaport San Diego Redevelopment Project NOP - SCH #2023090299

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

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Thank you,
Judy Zachariasen



Judith Zachariasen, PhD, PG, CEG

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