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The inundation maps and the associated analyses provide a regional-scale illustration of inundation and coastal flooding due to specific sea level rise and storm surge scenarios, and are intended to improve sea level rise awareness and preparedness. The maps are not detailed to the parcel-scale and should not be used for navigation, permitting, regulatory, or other legal uses. Flooding due to sea level rise and storm surges is possible in areas outside of those predicted in these maps, and the maps do not guarantee the safety of an individual or structure. Nor do the maps model flooding from other sources, such as riverine or surface water flooding from rainfall-runoff events. The contributors and sponsors of this product do not assume liability for any injury, death, property damage, or other reffects of flooding. The maps relied on a 1-meter digital elevation model created from LiDAR data collected in 2010 and additional survey data (where available). Although reasonable care was taken to capture all relevant topographic features and structures that may impact coastal inundation, it is possible that structures may not be fully represented, especially those that are narrower than the 1-meter horizontal map scale. The maps are based on model outputs and do not account for all of the complex and dynamic San Francisco Bay processes or future conditions such as erosion, subsidence, future construction or shoreline protection upgrades, or other changes to San Francisco Bay or the region that may occur in response to sea level rise. These inundation maps should not be used for detailed design or construction and users should consult a licensed engineer for information regarding existing and future flood risk at an individual site. For more context about the maps and analyses, including a description of the data and methods used, please see the Adapting to Rising Tides Bay Area Sea Level Rise Analysis and Mapping project report. The inundation maps and associated analyses is." Neither BATA, the Metropolitan Transport



**MARIN COUNTY** MHHW + 12" SEA LEVEL RISE SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

0" SLR + 1-Year Storm Surge



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0" SLR + 1-Year Storm Surge



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Analysis and Mapping Project **MARIN COUNTY** MHHW + 24" SEA LEVEL RISE SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE

Depth in Feet

Feet

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6" SLR + 2-Year Storm Surge



#### Bay Area Sea Level Rise Analysis and Mapping Project MARIN COUNTY MHHW + 24" SEA LEVEL RISE

SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

0" SLR + 5-Year Storm Surge 6" SLR + 2-Year Storm Surge 12" SLR + 1-Year Storm Surge



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MHHW + 24" SEA LEVEL RISE

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0" SLR + 5-Year Storm Surge 6" SLR + 2-Year Storm Surge

12" SLR + 1-Year Storm Surge



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# **Bay Area Sea Level Rise MARIN COUNTY**





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#### MHHW + 36" SEA LEVEL RISE SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP. 0" SLR + 50-Year Storm Surge

6" SLR + 25-Year Storm Surge 12" SLR + 5-Year Storm Surge 18" SLR + 2-Year Storm Surge 24" SLR + 1-Year Storm Surge

**Bay Area Sea Level Rise** 

**MARIN COUNTY** 



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METROPOLITAN TRANSPORTATION COMMISSION

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#### **Bay Area Sea Level Rise** Analysis and Mapping Project **MARIN COUNTY**

MHHW + 48" SEA LEVEL RISE

SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

6" SLR + 100-Year Storm Surge 12" SLR + 50-Year Storm Surge 18" SLR + 25-Year Storm Surge

24" SLR + 5-Year Storm Surge

30" SLR + 2-Year Storm Surge

36" SLR + 1-Year Storm Surge

**Shoreline Overtopping Potential** 







**MARIN COUNTY** MHHW + 48" SEA LEVEL RISE SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

6" SLR + 100-Year Storm Surge 12" SLR + 50-Year Storm Surge 18" SLR + 25-Year Storm Surge 24" SLR + 5-Year Storm Surge 30" SLR + 2-Year Storm Surge

36" SLR + 1-Year Storm Surge

# **Shoreline Overtopping Potential**



METROPOLITAN TRANSPORTATION COMMISSION MT

January, 2017



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## **Bay Area Sea Level Rise** Analysis and Mapping Project **MARIN COUNTY**

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#### **Bay Area Sea Level Rise Analysis and Mapping Project MARIN COUNTY**

#### MHHW + 52" SEA LEVEL RISE

SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

- 12" SLR + 100-Year Storm Surge 18" SLR + 50-Year Storm Surge 24" SLR + 10-Year Storm Surge
- 30" SLR + 5-Year Storm Surge

36" SLR + 2-Year Storm Surge







The inundation maps and the associated analyses provide a regional-scale illustration of inundation and coastal flooding due to specific sea level rise and storm surge scenarios, and are intended to improve sea level rise awareness and preparedness. The maps are not detailed to the parcel-scale and should not be used for navigation, permitting, regulatory, or other legal uses. Flooding due to sea level rise and storm surges is possible in areas outside of those predicted in these maps, and the maps do not guarantee the safety of an individual or structure. Nor do the maps model flooding from other sources, such as riverine or surface water flooding from rainfall-runoff events. The contributors and sponsors of this product do not assume liability for any injury, death, property damage, or other effects of flooding. The maps relied on a 1-meter digital elevation model created from LiDAR data collected in 2010 and additional survey data (where available). Although reasonable care was taken to capture all relevant topographic features and structures that may impact coastal inundation, it is possible that structures may not be fully represented, especially those that are narrower than the 1-meter horizontal map scale. The maps are based on model outputs and do not account for all of the complex and dynamic San Francisco Bay processes or future construction such as erosion, subidence, future construction or shoreline protection upgrades, or other changes to San Francisco Bay or the region that may occur in response to sea level rise. These inundation maps should not be used for detailed design or construction and users should consult a licensed engineer for information regarding existing and future flood risk at an individual site. For more contex about the maps and analyses, including a description of the data and methods used, please see the Adapting to Rising Tides Bay Area Sea Level Rise Analysis and Mapping project report. The inundation maps and associated analyses are provided "as is." Neither BATA, the Metrop

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#### **Bay Area Sea Level Rise Analysis and Mapping Project MARIN COUNTY**





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### **Bay Area Sea Level Rise** Analysis and Mapping Project **MARIN COUNTY**

MHHW + 66" SEA LEVEL RISE

SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

24" SLR + 100-Year Storm Surge

48" SLR + 2-Year Storm Surge

52" SLR + 1-Year Storm Surge



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#### **Bay Area Sea Level Rise Analysis and Mapping Project MARIN COUNTY**

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METROPOLITAN TRANSPORTATION COMMISSION

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#### **Bay Area Sea Level Rise** Analysis and Mapping Project **MARIN COUNTY**

#### MHHW + 84" WATER LEVEL

SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

42" SLR + 100-Year Storm Surge 48" SLR + 50-Year Storm Surge

54" SLR + 10-Year Storm Surge

**Shoreline Overtopping Potential** 

![](_page_43_Figure_10.jpeg)

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#### **Bay Area Sea Level Rise Analysis and Mapping Project MARIN COUNTY**

#### MHHW + 84" WATER LEVEL

SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP.

- 42" SLR + 100-Year Storm Surge 48" SLR + 50-Year Storm Surge 52" SLR + 25-Year Storm Surge 54" SLR + 10-Year Storm Surge
- 60" SLR + 5-Year Storm Surge
- 66" SLR + 2-Year Storm Surge

# **Shoreline Overtopping Potential**

![](_page_44_Figure_9.jpeg)

![](_page_44_Figure_10.jpeg)

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preparedness. The maps are not detailed to the parcel-scale and should not be used for navigation, permitting, regulatory, or other legal uses. Flooding due to sea level rise and storm surges is possible in areas outside of those predicted in these maps, and the maps do not guarantee the safety of an individual or structure. Nor do the maps model flooding from other sources, such as riverine or surface water flooding from rainfall-runoff events. The contributors and sponsors of this product do not assume liability for any injury, death, property damage, or other effects of flooding. The maps relied on a 1-meter digital elevation model created from LiDAR data collected in 2010 and additional survey data (where available). Although reasonable care was taken to capture all relevant topographic features and structures that may impact coastal inundation, it is possible that structures may not be fully represented, especially those that are narrower than the 1-meter horizontal map scale. The maps are based on model outputs and do not account for all of the complex and dynamic San Francisco Bay processes or future conditions such as erosion, subsidence, future construction or shoreline protection upgrades, or other changes to San Francisco Bay or the region that may occur in response to sea level rise. These inundation maps should not be used for detailed design or construction and users should consult a licensed engineer for information regarding existing and future flood risk at an individual site. For more context about the maps and analyses, including a description of the data and methods used, please see the Adapting to Rising Tides Bay Area Sea Level Rise Analysis and Mapping project report. The inundation maps and associated analyses are provided "as is." Neither BATA, the Metropolitan Transportation Commission, the Bay Conservation and Development Commission, the California Coastal Conservancy, the San Francisco Public Utilities Commission, nor their contractors, make any warranty whatsoever, whether expressed or implied, as to the accuracy, thoroughness, value, quality, validity, merchantability, suitability, condition, or fitness for a particular purpose of the inundation maps and associated analyses, nor as to whether the inundation maps and associated analyses are error-free, up-to-date, complete or based upon accurate or meaningful facts.

#### **Bay Area Sea Level Rise** Analysis and Mapping Project **MARIN COUNTY**

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SLR + STORM SURGE SCENARIOS LISTED BELOW COULD BE APPROXIMATED BY THE INUNDATION SHOWN ON THIS MAP. 42" SLR + 100-Year Storm Surge 48" SLR + 50-Year Storm Surge 52" SLR + 25-Year Storm Surge

54" SLR + 10-Year Storm Surge 60" SLR + 5-Year Storm Surge

**MARIN COUNTY** 

66" SLR + 2-Year Storm Surge

# **Shoreline Overtopping Potential**

![](_page_46_Figure_5.jpeg)

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