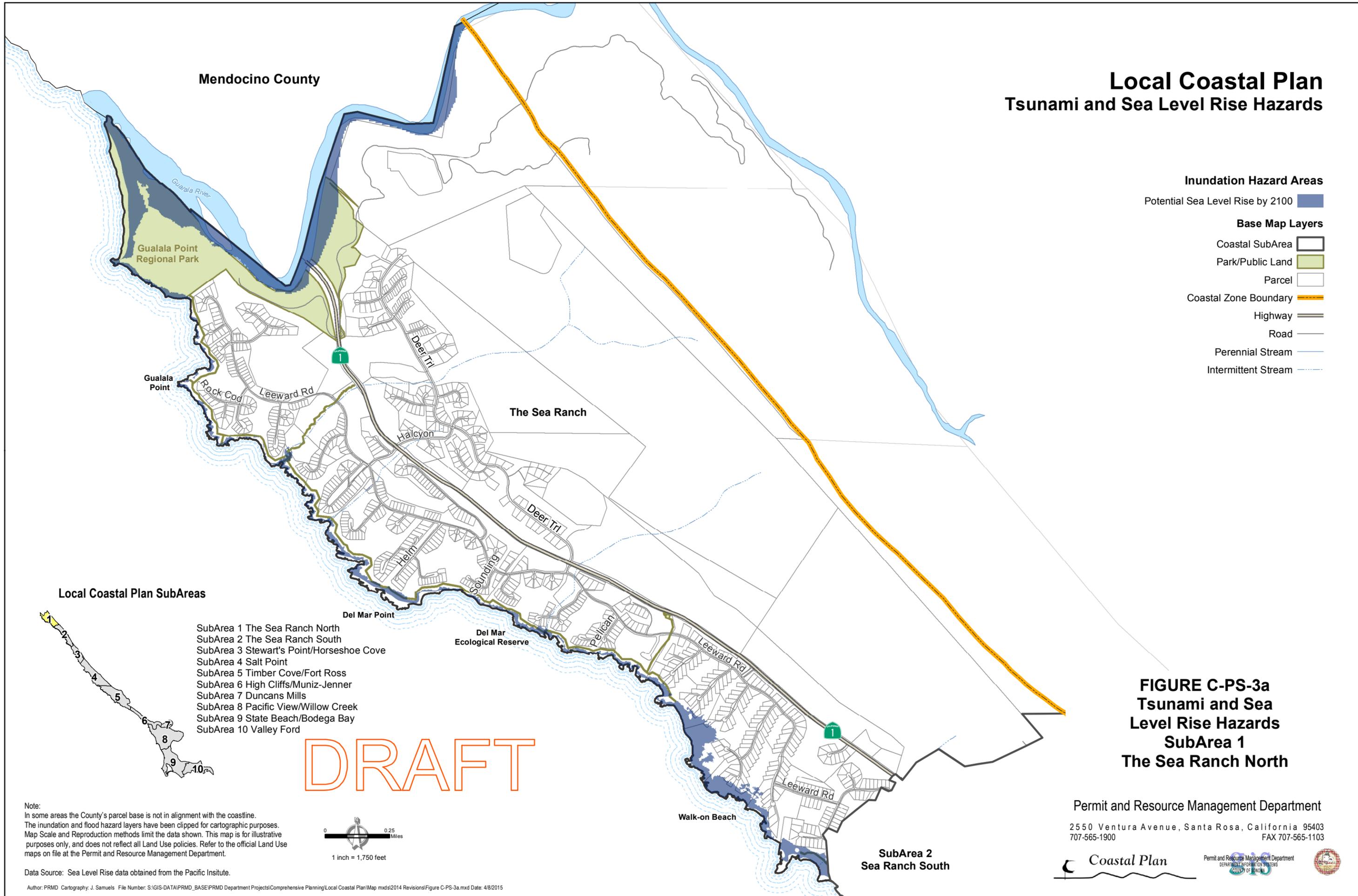
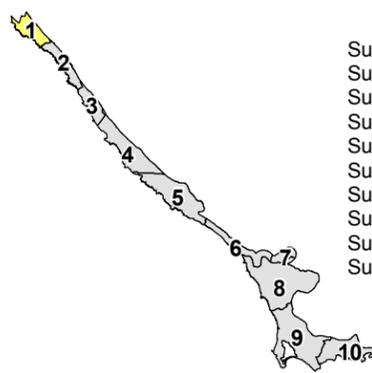


Local Coastal Plan Tsunami and Sea Level Rise Hazards



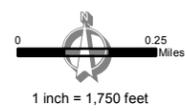
- Inundation Hazard Areas**
Potential Sea Level Rise by 2100
- Base Map Layers**
- Coastal SubArea
 - Park/Public Land
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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**FIGURE C-PS-3a
Tsunami and Sea
Level Rise Hazards
SubArea 1
The Sea Ranch North**

Note:
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Data Source: Sea Level Rise data obtained from the Pacific Institute.

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3a.mxd Date: 4/8/2015

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Coastal Plan

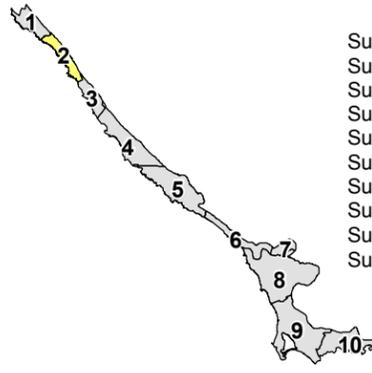
Local Coastal Plan Tsunami and Sea Level Rise Hazards

- Inundation Hazard Areas**
Potential Sea Level Rise by 2100
- Base Map Layers**
- Coastal SubArea
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

SubArea 1
The Sea Ranch North

The Sea Ranch

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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Data Source: Sea Level Rise data obtained from the Pacific Institute.
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3b.mxd Date: 4/8/2015

**FIGURE C-PS-3b
Tsunami and Sea Level
Rise Hazards
SubArea 2
The Sea Ranch South**

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SubArea 3
Stewarts Point/Horseshoe Cove

Local Coastal Plan Tsunami and Sea Level Rise Hazards

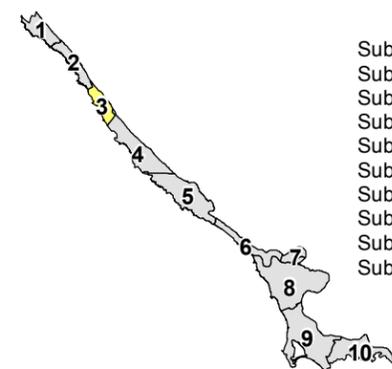
Inundation Hazard Areas

Potential Sea Level Rise by 2100 

Base Map Layers

- Coastal SubArea 
- Parcel 
- Coastal Zone Boundary 
- Natural Coastline 
- Highway 
- Road 
- Perennial Stream 
- Intermittent Stream 

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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1 inch = 2,167 feet

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Data Source: Sea Level Rise data obtained from the Pacific InSTITUTE.

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3c.mxd Date: 4/8/2015

**FIGURE C-PS-3c
Tsunami and Sea Level
Rise Hazards
SubArea 3
Stewarts Point/Horseshoe Cove**

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Local Coastal Plan Tsunami and Sea Level Rise Hazards

Inundation Hazard Areas

Potential Sea Level Rise by 2100

Base Map Layers

Coastal SubArea

Park/Public Land

Parcel

Coastal Zone Boundary

Natural Coastline

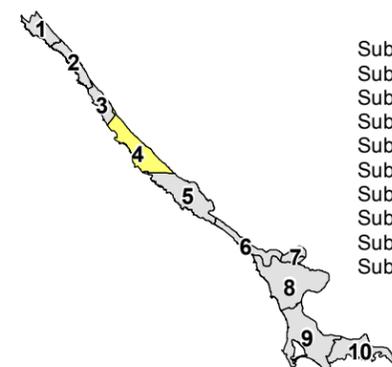
Highway

Road

Perennial Stream

Intermittent Stream

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

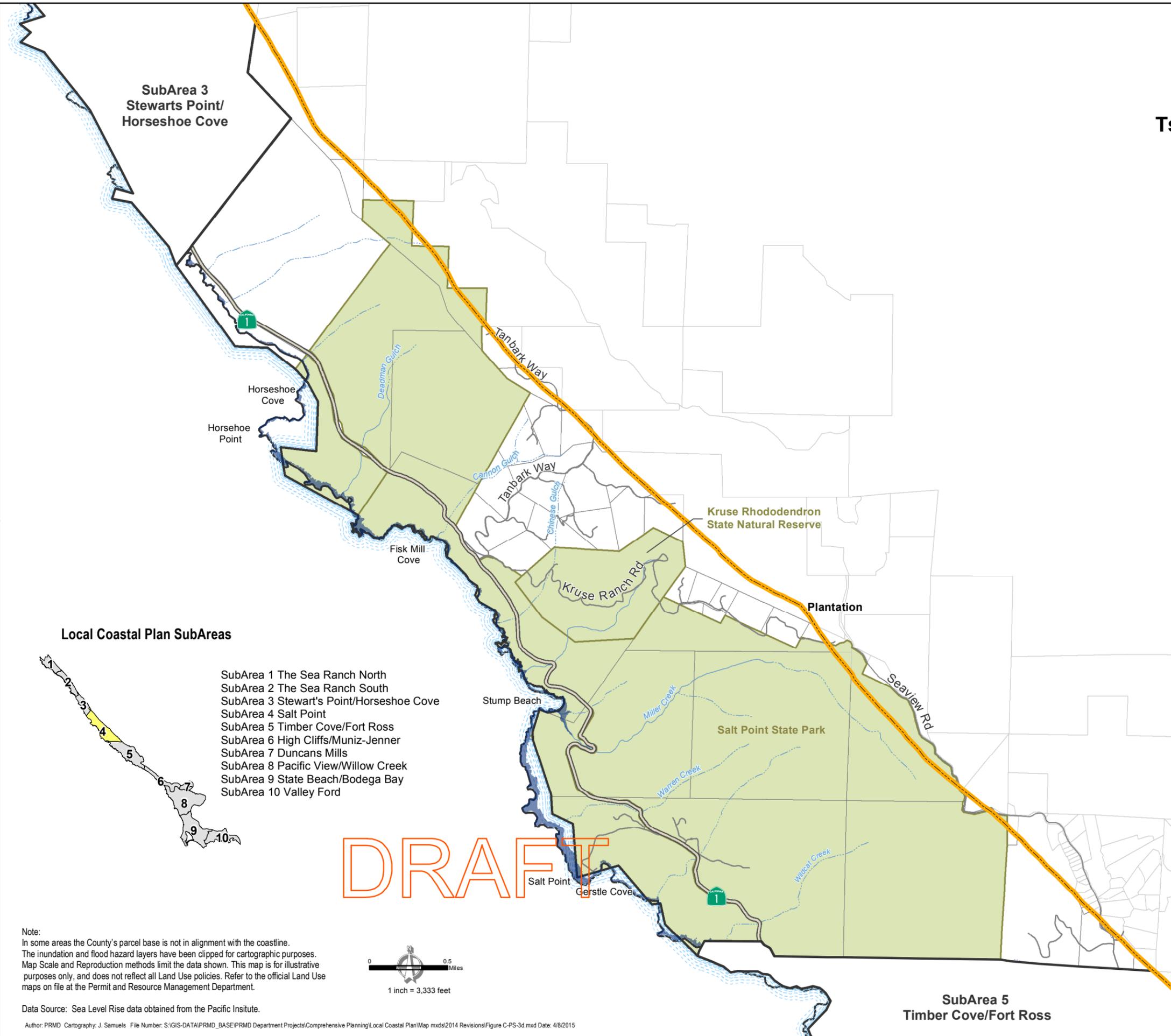
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Note:
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Data Source: Sea Level Rise data obtained from the Pacific Institute.

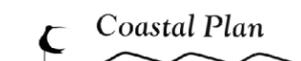
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3d.mxd Date: 4/8/2015



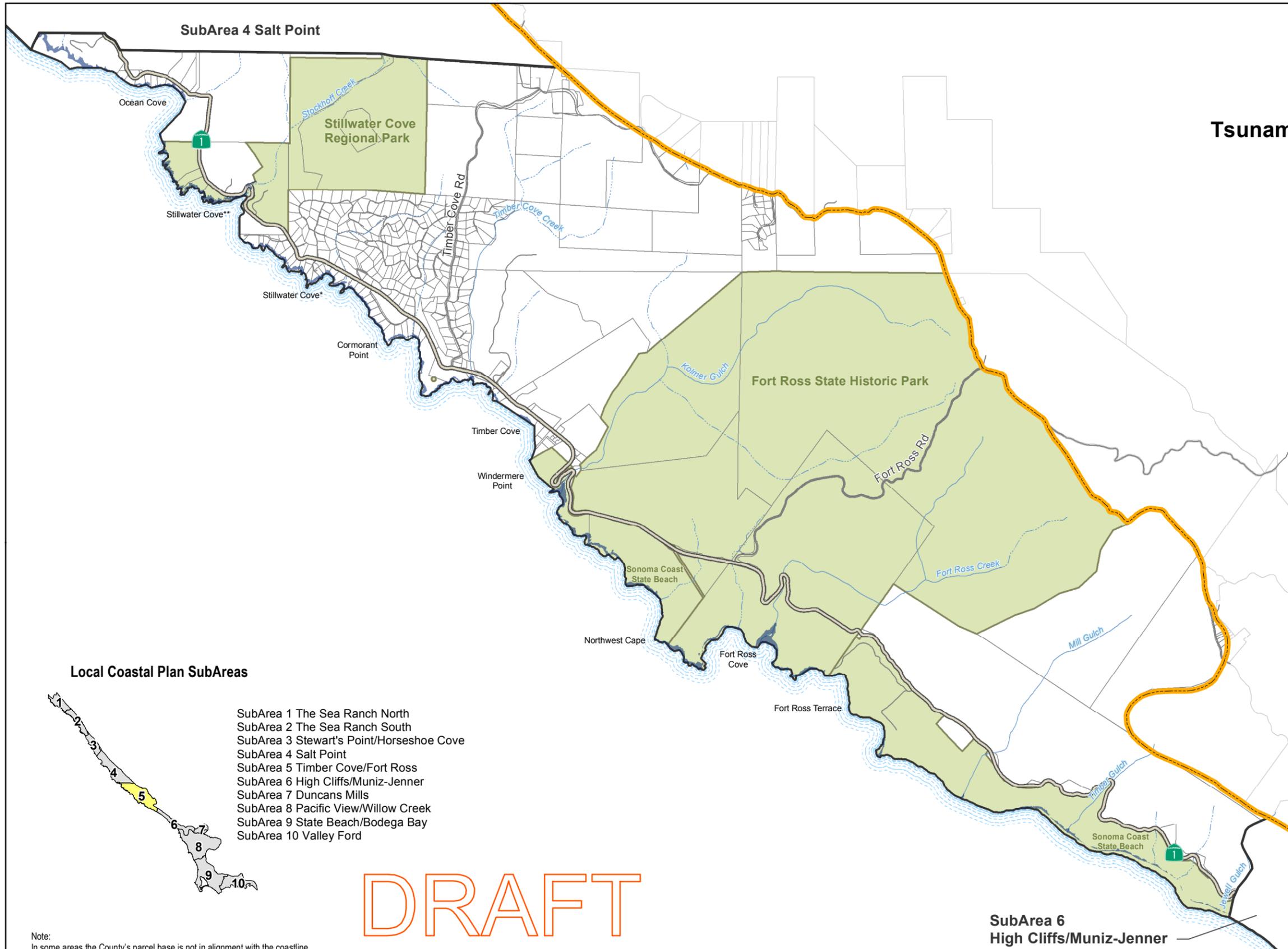
**FIGURE C-PS-3d
Tsunami and Sea Level
Rise Hazards
SubArea 4
Salt Point**

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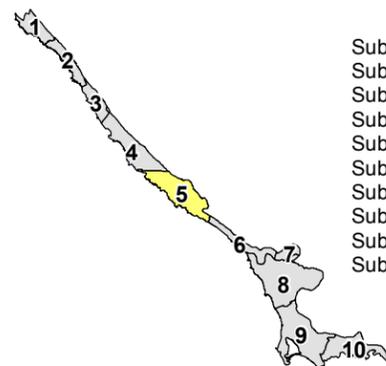


Local Coastal Plan Tsunami and Sea Level Rise Hazards



- Inundation Hazard Areas**
Potential Sea Level Rise by 2100
- Base Map Layers**
- Coastal SubArea
 - Park/Public Land
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
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- SubArea 4 Salt Point
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- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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Stillwater Cove* = location according to County of Sonoma
Stillwater Cove** = location according to U.S. Geological Survey Map

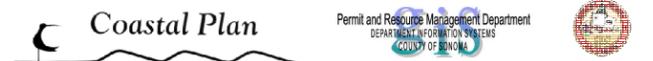
Data Source: Sea Level Rise data obtained from the Pacific Institute.

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3e.mxd Date: 4/8/2015

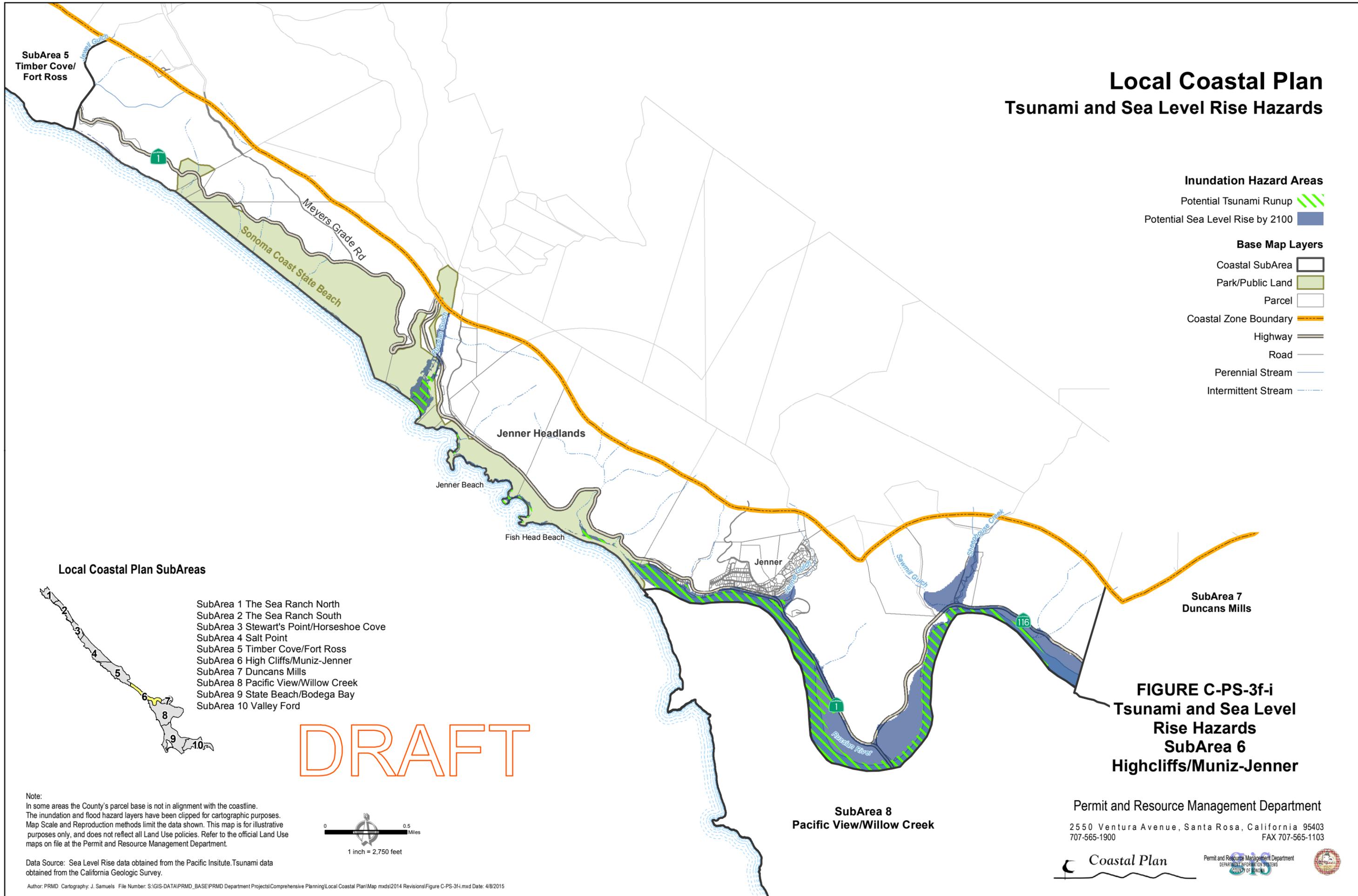
**FIGURE C-PS-3e
Tsunami and Sea Level
Rise Hazards
SubArea 5
Timber Cove/Fort Ross**

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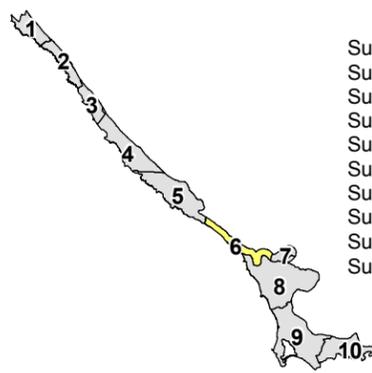


Local Coastal Plan Tsunami and Sea Level Rise Hazards



- Inundation Hazard Areas**
- Potential Tsunami Runup
 - Potential Sea Level Rise by 2100
- Base Map Layers**
- Coastal SubArea
 - Park/Public Land
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

Local Coastal Plan SubAreas

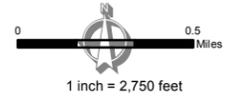


- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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**FIGURE C-PS-3f-i
Tsunami and Sea Level
Rise Hazards
SubArea 6
Highcliffs/Muniz-Jenner**

Note:
In some areas the County's parcel base is not in alignment with the coastline.
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purposes only, and does not reflect all Land Use policies. Refer to the official Land Use
maps on file at the Permit and Resource Management Department.



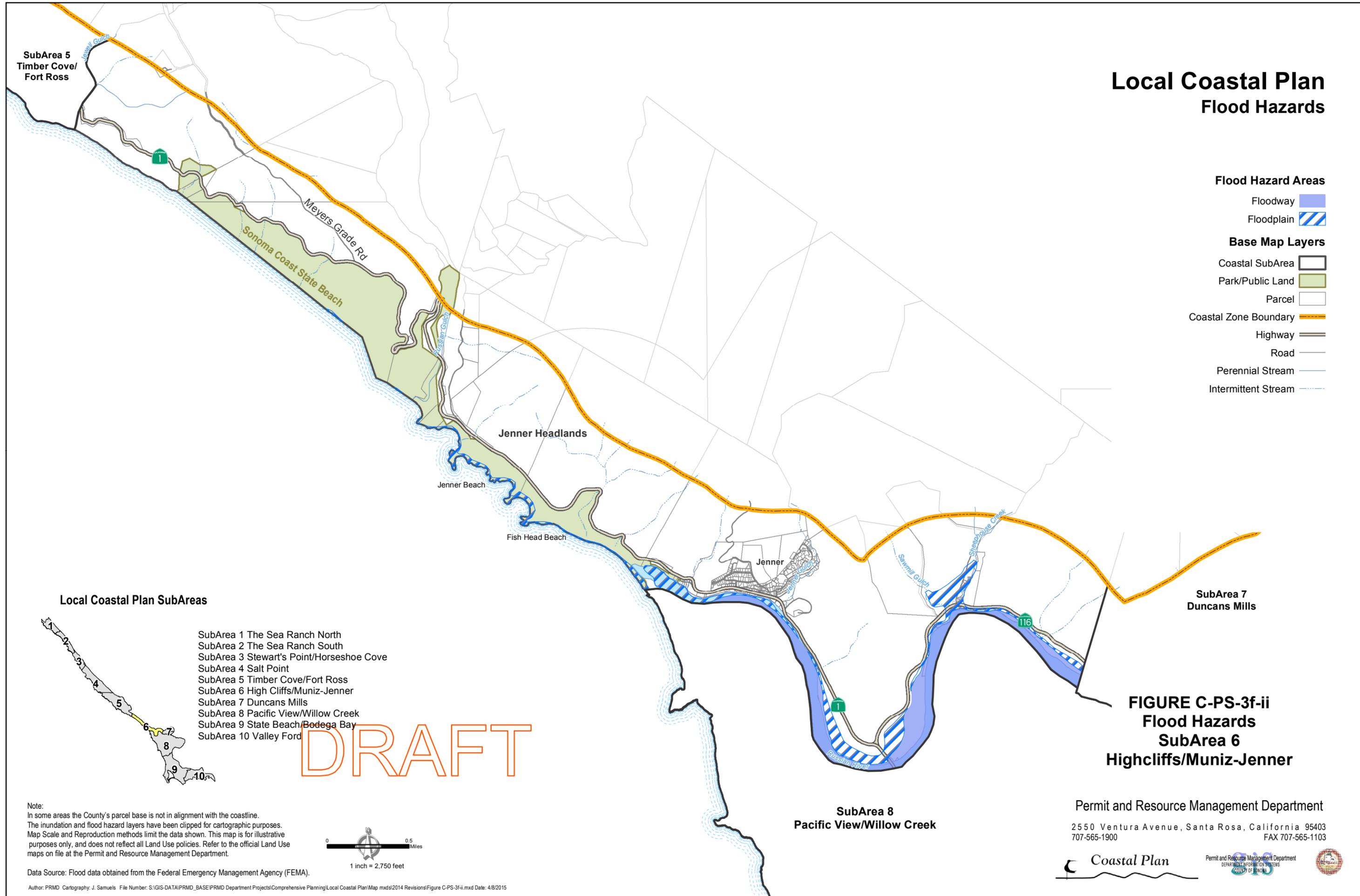
Data Source: Sea Level Rise data obtained from the Pacific Institute. Tsunami data
obtained from the California Geologic Survey.

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3f-i.mxd Date: 4/8/2015

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Local Coastal Plan Flood Hazards



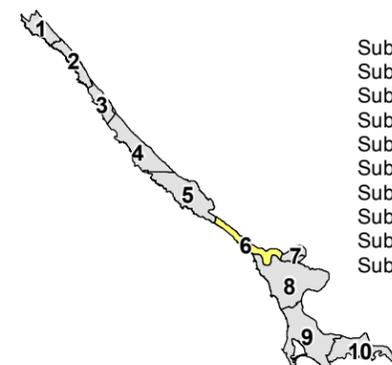
Flood Hazard Areas

- Floodway
- Floodplain

Base Map Layers

- Coastal SubArea
- Park/Public Land
- Parcel
- Coastal Zone Boundary
- Highway
- Road
- Perennial Stream
- Intermittent Stream

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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**FIGURE C-PS-3f-ii
Flood Hazards
SubArea 6
Highcliffs/Muniz-Jenner**

Note:
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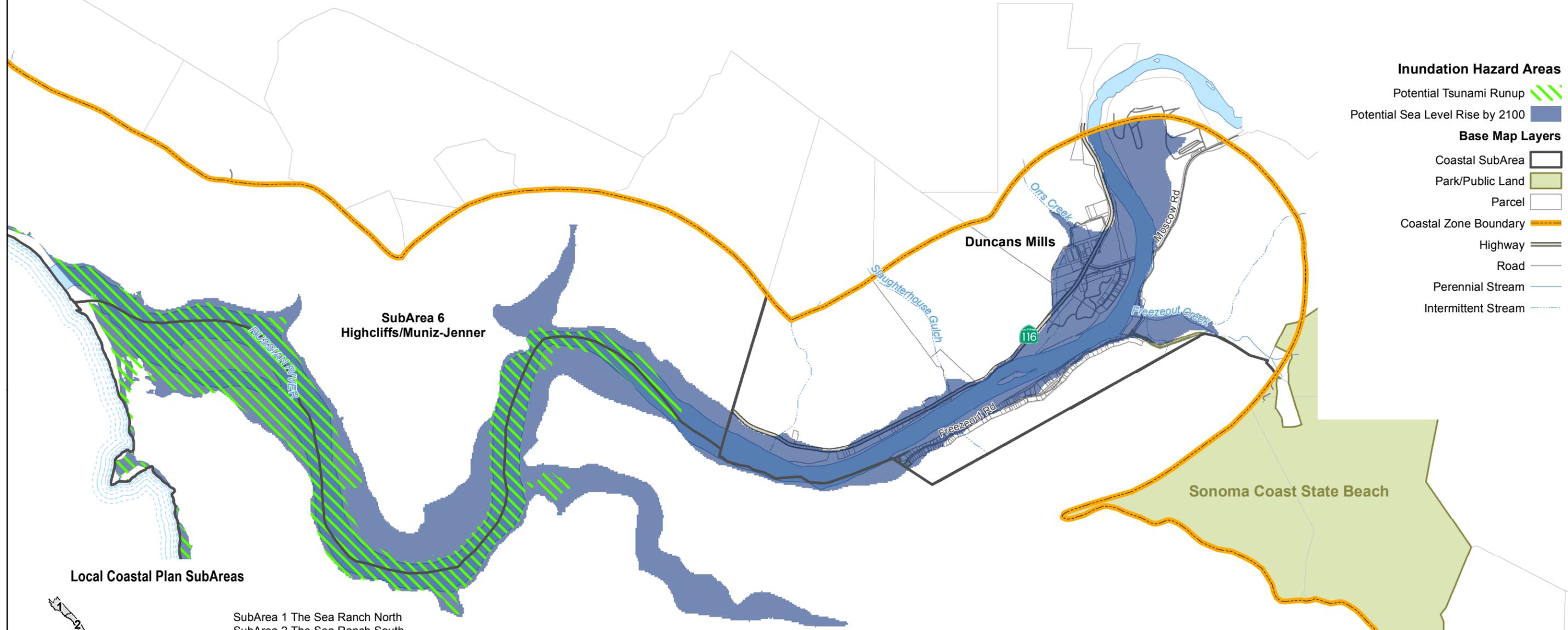
Data Source: Flood data obtained from the Federal Emergency Management Agency (FEMA).

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department\Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3f-ii.mxd Date: 4/8/2015

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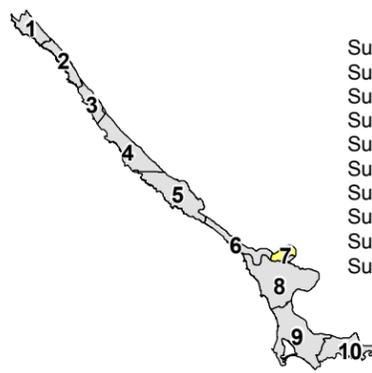


Local Coastal Plan Tsunami and Sea Level Rise Hazards



- Inundation Hazard Areas**
- Potential Tsunami Runup
 - Potential Sea Level Rise by 2100
- Base Map Layers**
- Coastal SubArea
 - Park/Public Land
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

Local Coastal Plan SubAreas



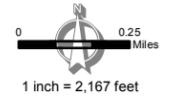
- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

**FIGURE C-PS-3g-i
Tsunami and Sea Level
Rise Hazards
SubArea 7
Duncans Mills**

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Note:
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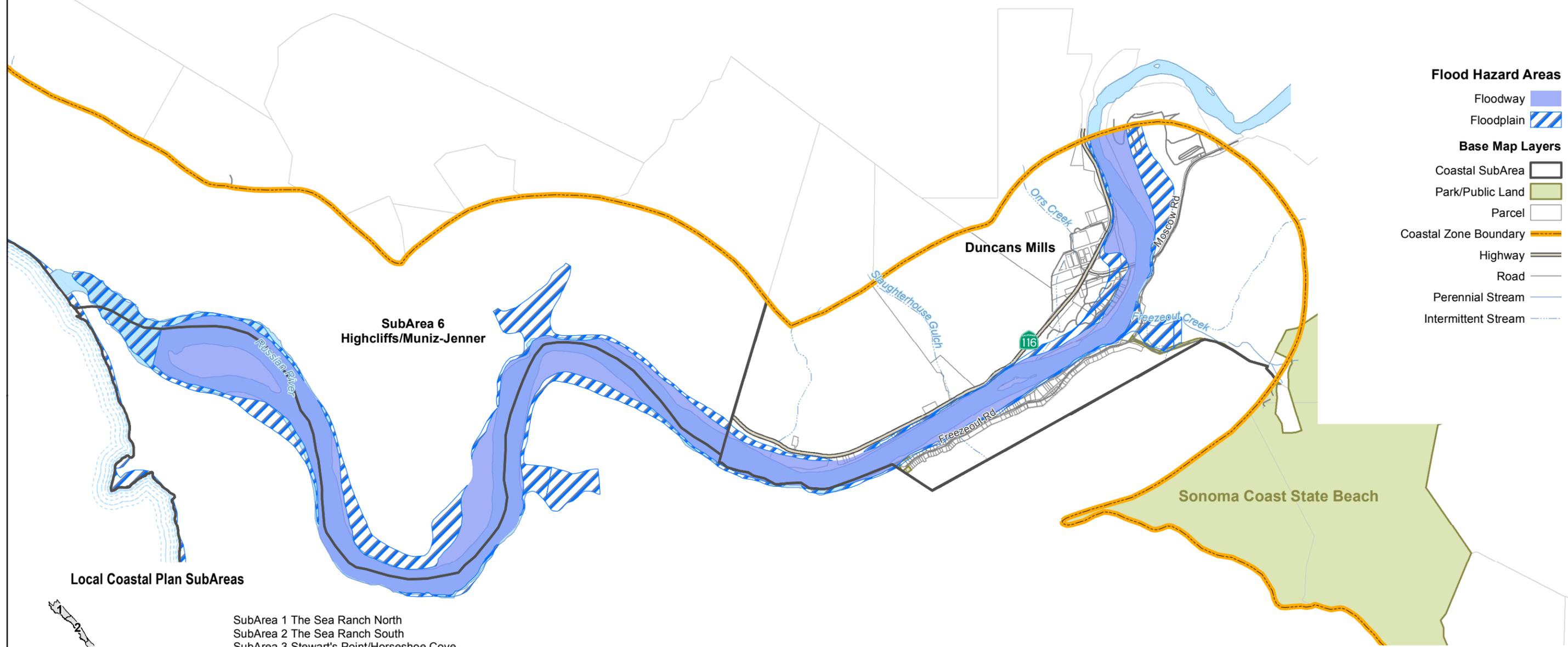
Data Source: Sea Level Rise data obtained from the Pacific Institute. Tsunami data obtained from the California Geologic Survey.



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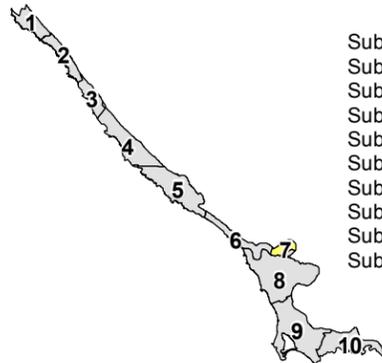
Local Coastal Plan Flood Hazards



- Flood Hazard Areas**
- Floodway
 - Floodplain
- Base Map Layers**
- Coastal SubArea
 - Park/Public Land
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

Local Coastal Plan SubAreas

- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford



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SubArea 8 Pacific View/Willow Creek

FIGURE C-PS-3g-ii Flood Hazards SubArea 7 Duncans Mills

Note:
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Data Source: Flood data obtained from the Federal Emergency Management Agency (FEMA).

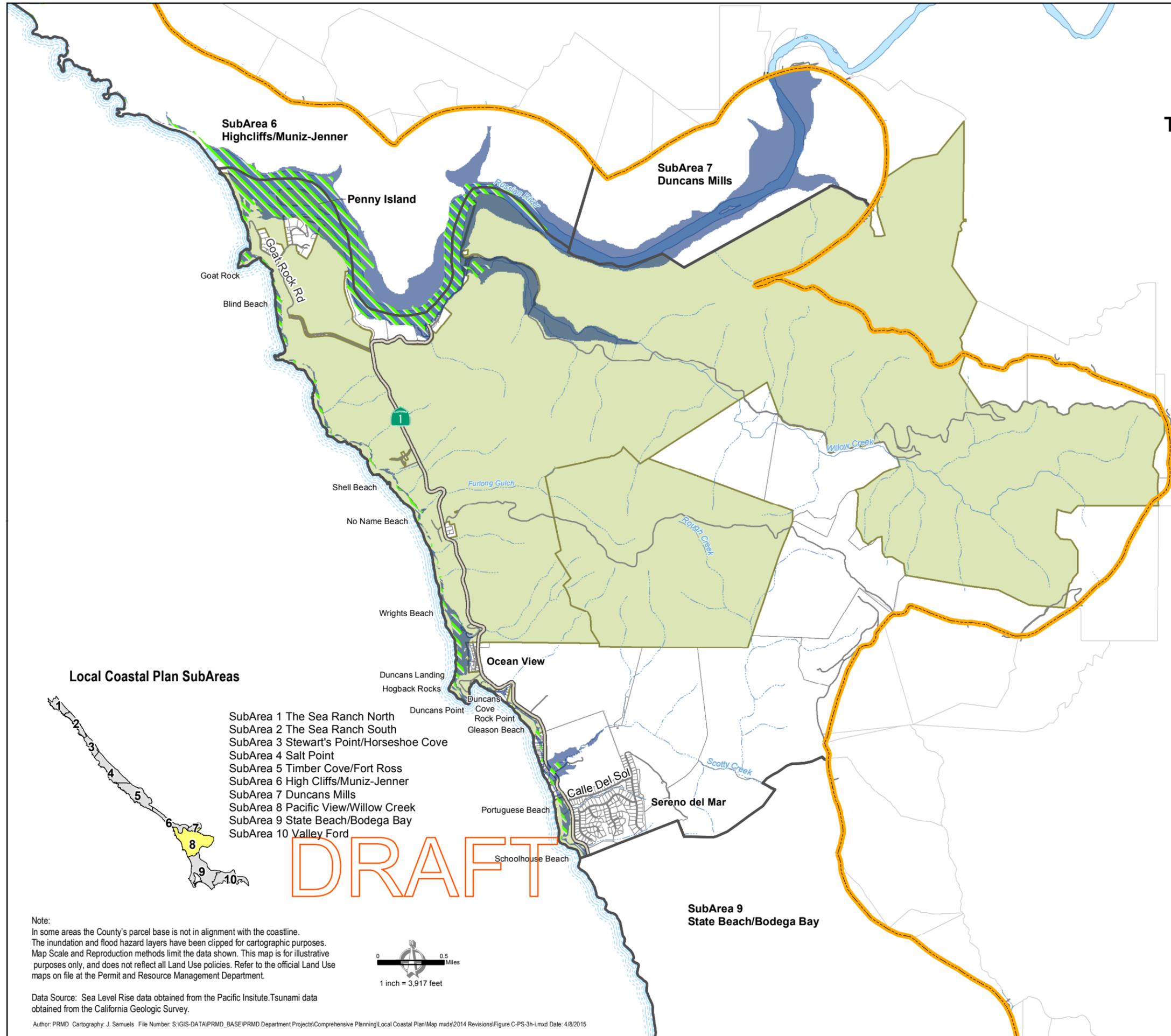
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3g-ii.mxd Date: 4/8/2015

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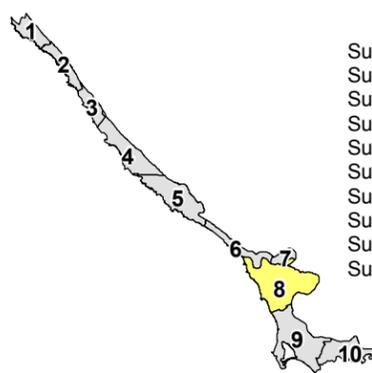


Local Coastal Plan Tsunami and Sea Level Rise Hazards

- Inundation Hazard Areas**
- Potential Tsunami Runup 
 - Potential Sea Level Rise by 2100 
- Base Map Layers**
- Coastal SubArea 
 - Park/Public Land 
 - Parcel 
 - Coastal Zone Boundary 
 - Highway 
 - Road 
 - Perennial Stream 
 - Intermittent Stream 



Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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**FIGURE C-PS-3h-i
Tsunami and Sea Level
Rise Hazards
SubArea 8
Pacific View/Willow Creek**

Note:
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Data Source: Sea Level Rise data obtained from the Pacific Institute. Tsunami data
obtained from the California Geologic Survey.

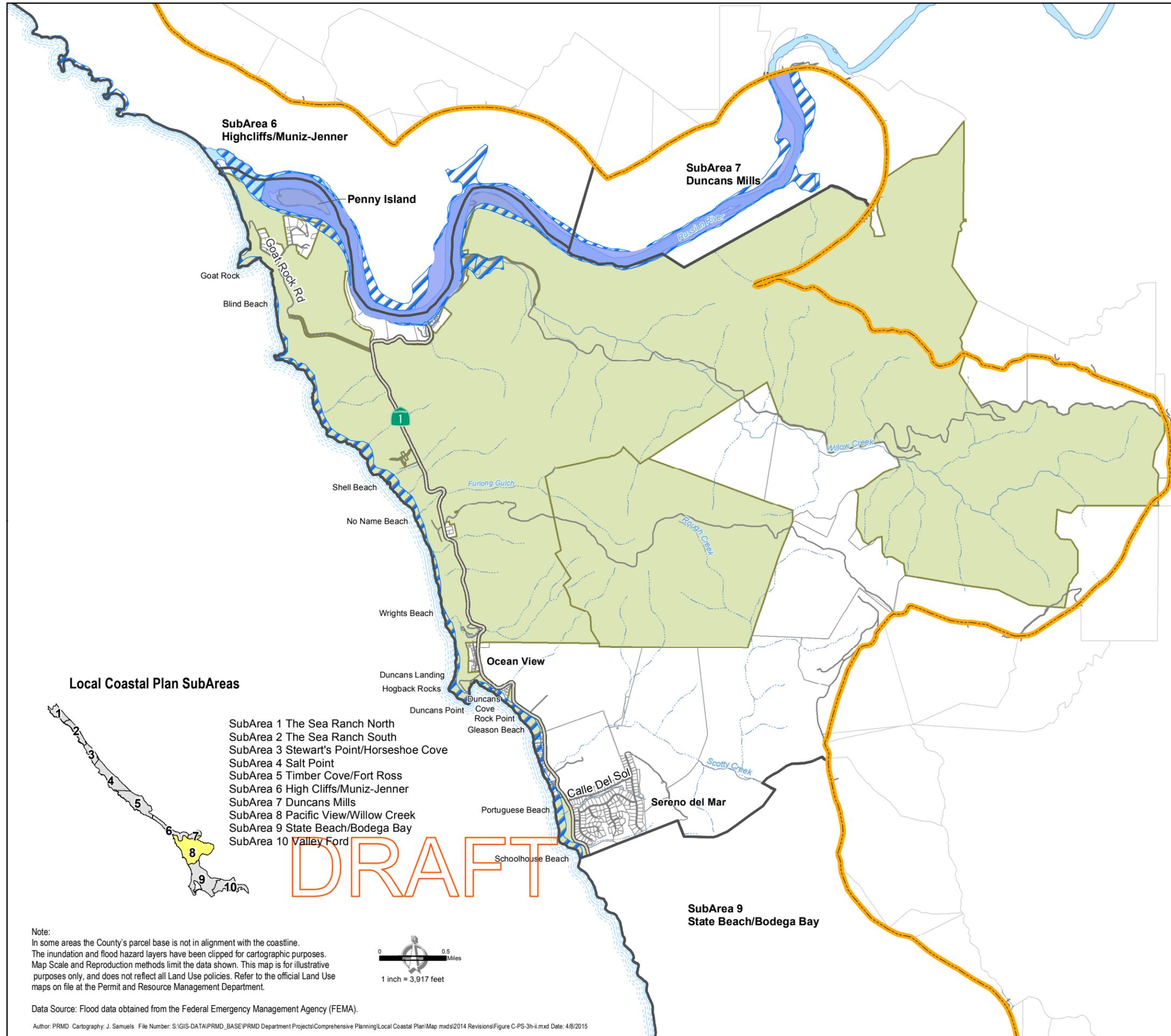
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3h-i.mxd Date: 4/8/2015

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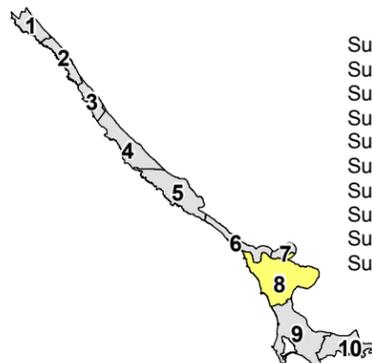
Local Coastal Plan Flood Hazards

- Flood Hazard Areas**
- Floodway 
 - Floodplain 
- Base Map Layers**
- Coastal SubArea 
 - Park/Public Land 
 - Parcel 
 - Coastal Zone Boundary 
 - Highway 
 - Road 
 - Perennial Stream 
 - Intermittent Stream 



Local Coastal Plan SubAreas

- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford



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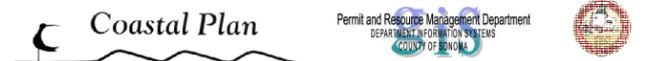


Data Source: Flood data obtained from the Federal Emergency Management Agency (FEMA).

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD BASE\PRMD Department\Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3h-ii.mxd Date: 4/8/2015

**FIGURE C-PS-3h-ii
Flood Hazards
SubArea 8
Pacific View/Willow Creek**

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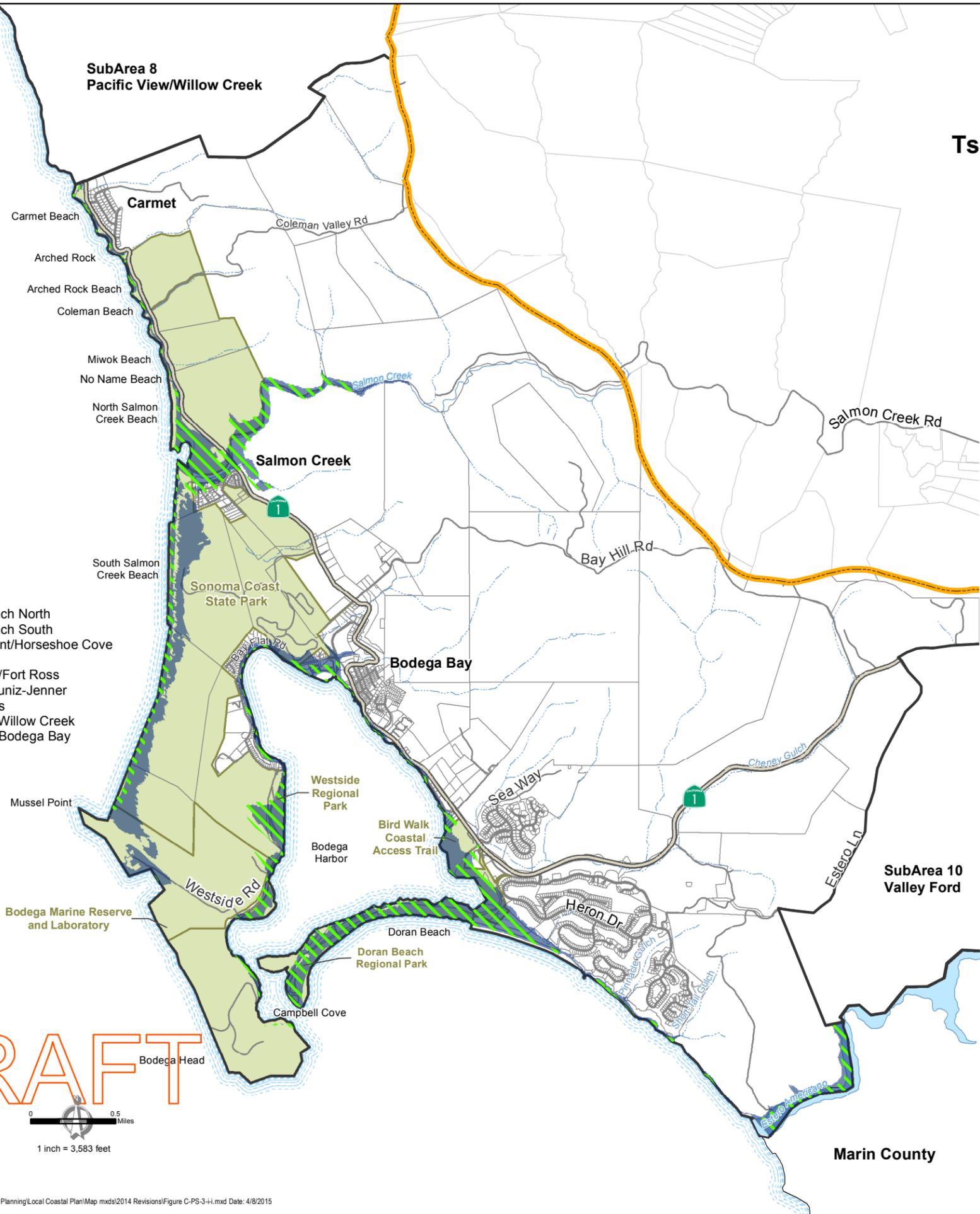
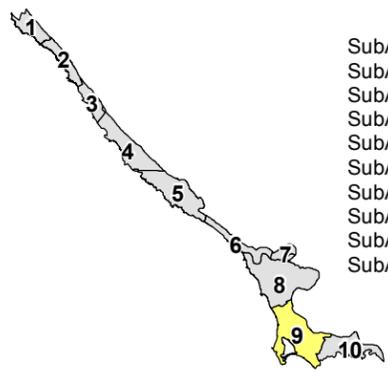


Local Coastal Plan Tsunami and Sea Level Rise Hazards

- Inundation Hazard Areas**
- Potential Tsunami Runup
 - Potential Sea Level Rise by 2100
- Base Map Layers**
- Coastal SubArea
 - Park/Public Land
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

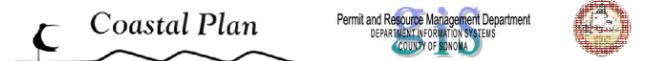
Local Coastal Plan SubAreas

- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford



**FIGURE C-PS-3i-i
Tsunami and Sea Level
Rise Hazards
SubArea 9
State Beach/Bodega Bay**

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Data Source: Sea Level Rise data obtained from the Pacific Institute. Tsunami data obtained from the California Geologic Survey.

Local Coastal Plan Flood Hazards

Flood Hazard Areas

Floodplain 

Base Map Layers

Coastal SubArea 

Park/Public Land 

Parcel 

Coastal Zone Boundary 

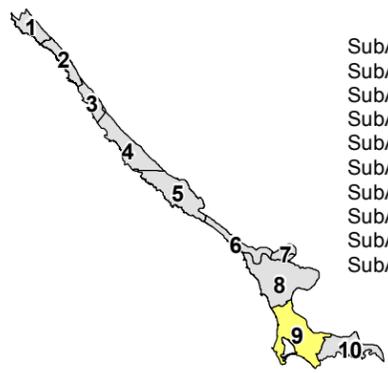
Highway 

Road 

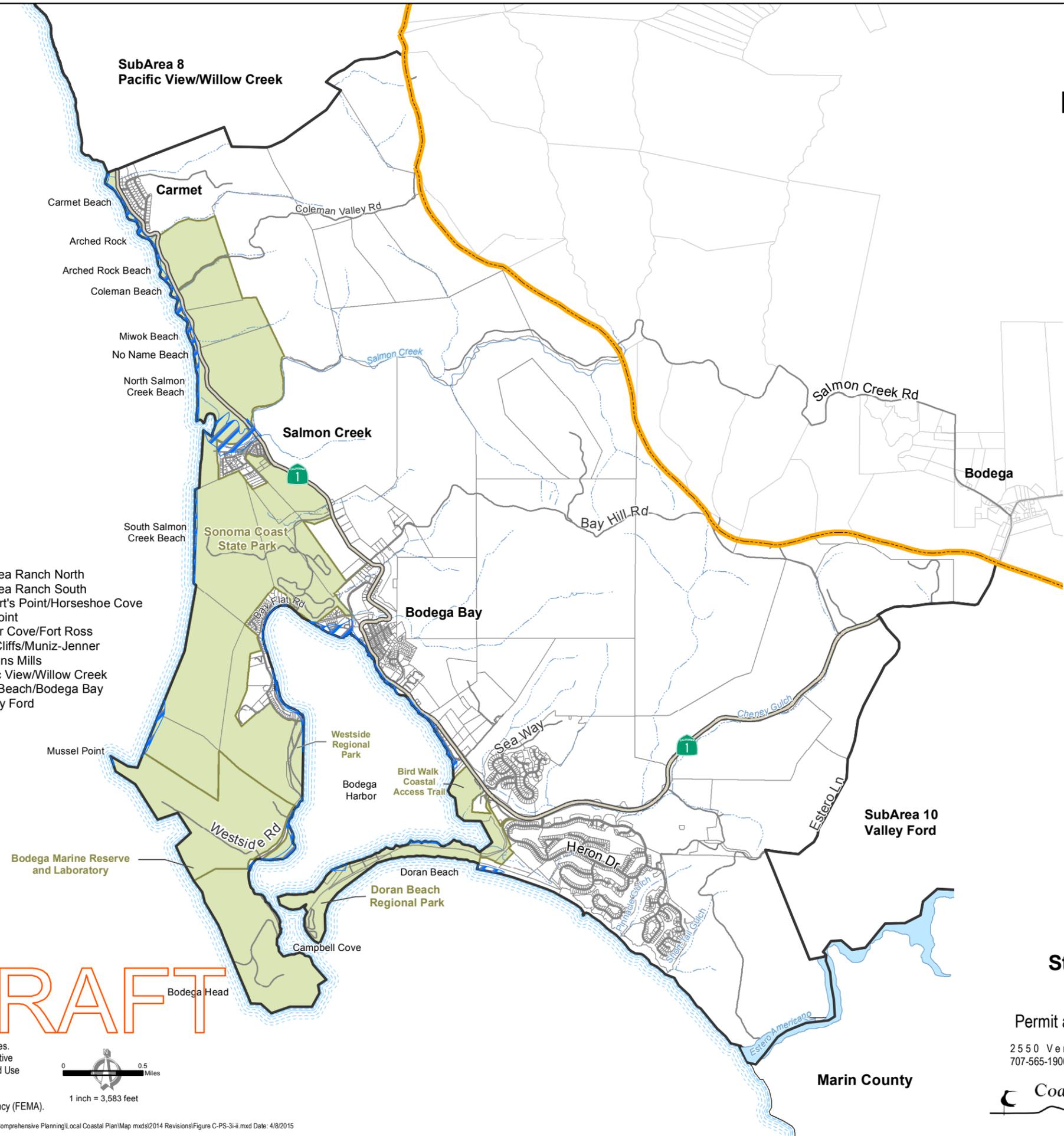
Perennial Stream 

Intermittent Stream 

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

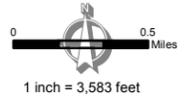


**FIGURE C-PS-3i-ii
Flood Hazards
SubArea 9
State Beach/Bodega Bay**

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707-565-1900 FAX 707-565-1103

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Note:
In some areas the County's parcel base is not in alignment with the coastline.
The inundation and flood hazard layers have been clipped for cartographic purposes.
Map Scale and Reproduction methods limit the data shown. This map is for illustrative purposes only, and does not reflect all Land Use policies. Refer to the official Land Use maps on file at the Permit and Resource Management Department.



Data Source: Flood data obtained from the Federal Emergency Management Agency (FEMA).

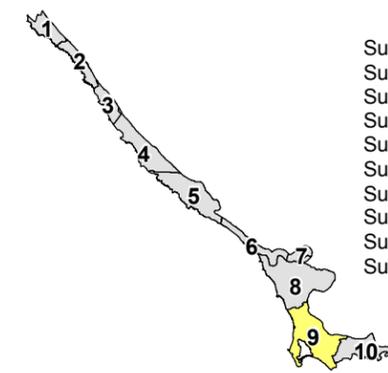
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Local Coastal Plan Tsunami and Sea Level Rise Hazards

- Inundation Hazard Areas**
- Potential Tsunami Runup 
 - Potential Sea Level Rise by 2100 
- Base Map Layers**
- Coastal SubArea 
 - Park/Public Land 
 - Parcel 
 - Coastal Zone Boundary 
 - Highway 
 - Road 
 - Perennial Stream 
 - Intermittent Stream 

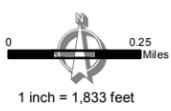
Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
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- SubArea 4 Salt Point
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- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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Data Source: Sea Level Rise data obtained from the Pacific Institute. Tsunami data obtained from the California Geologic Survey.

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-1j-i.mxd Date: 4/8/2015



**FIGURE C-PS-3j-i
Tsunami and Sea Level
Rise Hazards
SubArea 9
Bodega Bay Vicinity**

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Local Coastal Plan Flood Hazards

Flood Hazard Areas

Floodplain 

Base Map Layers

Coastal SubArea 

Rural Community 

Park/Public Land 

Parcel 

Coastal Zone Boundary 

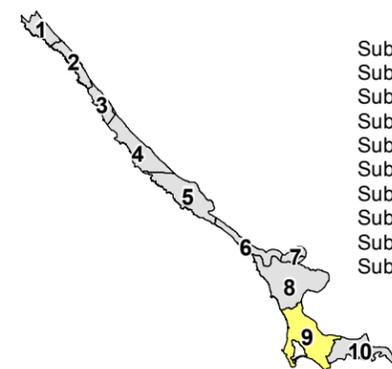
Highway 

Road 

Perennial Stream 

Intermittent Stream 

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
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- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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**FIGURE C-PS-3j-ii
Flood Hazards
SubArea 9
Bodega Bay Vicinity**

Note:
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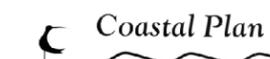


1 inch = 1,833 feet

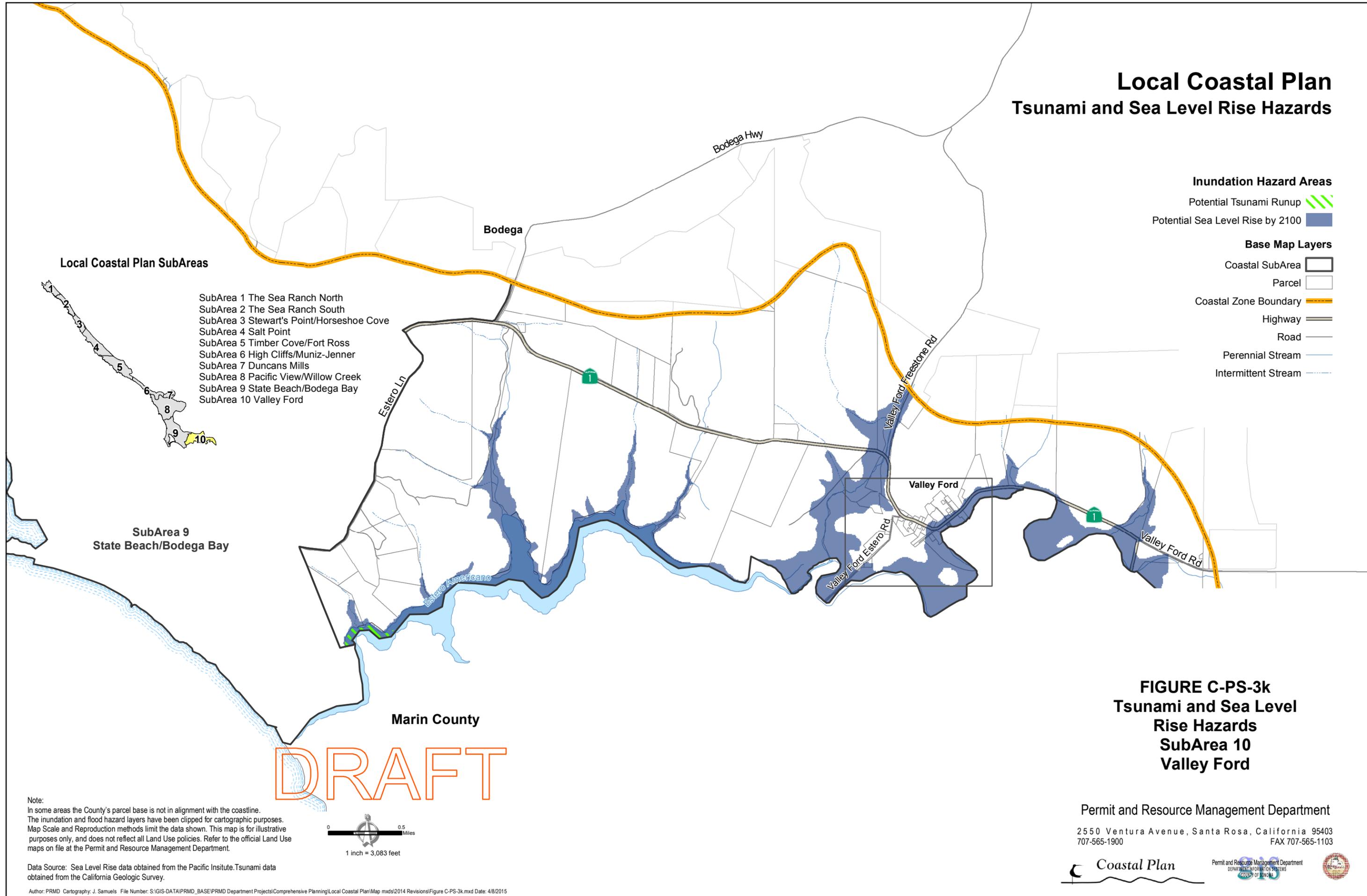
Data Source: Flood data obtained from the Federal Emergency Management Agency (FEMA).
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-1j-ii.mxd Date: 4/8/2015

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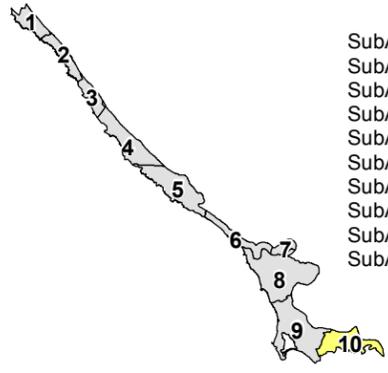
Local Coastal Plan Tsunami and Sea Level Rise Hazards



- Inundation Hazard Areas**
- Potential Tsunami Runup
 - Potential Sea Level Rise by 2100
- Base Map Layers**
- Coastal SubArea
 - Parcel
 - Coastal Zone Boundary
 - Highway
 - Road
 - Perennial Stream
 - Intermittent Stream

Local Coastal Plan SubAreas

- SubArea 1 The Sea Ranch North
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- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford



SubArea 9
State Beach/Bodega Bay

Marin County

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Data Source: Sea Level Rise data obtained from the Pacific Institute. Tsunami data obtained from the California Geologic Survey.

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2014 Revisions\Figure C-PS-3k.mxd Date: 4/8/2015

**FIGURE C-PS-3k
Tsunami and Sea Level
Rise Hazards
SubArea 10
Valley Ford**

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