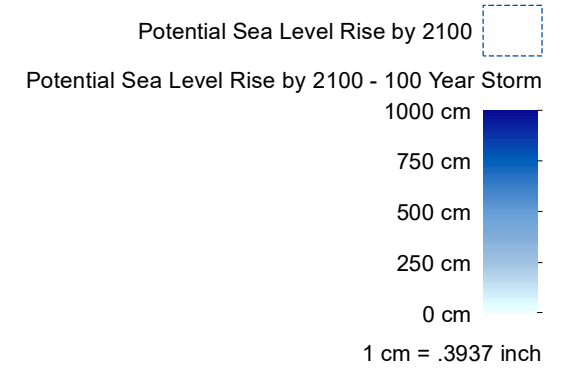


Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards

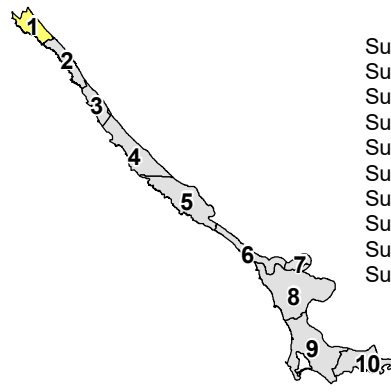
Inundation Hazard Areas



Base Map Layers

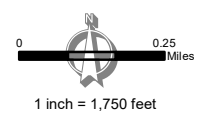
- Coastal SubArea
- Park/Public Land
- Parcel
- Coastal Zone Boundary
- Highway
- Road
- Perennial Stream
- Intermittent Stream

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: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF).

Author: PRMD Cartography, J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3a_PR.mxd Date: 6/3/2019

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

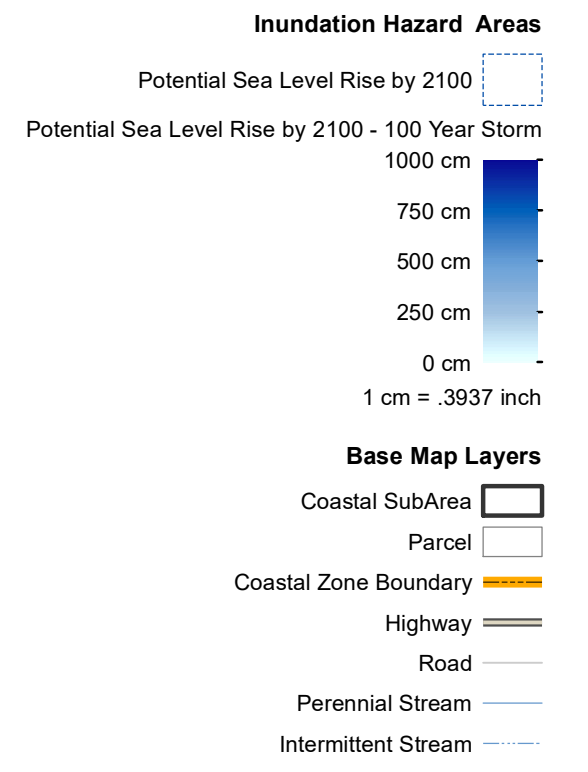
Permit and Resource Management Department

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Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards



SubArea 1
The Sea Ranch North

The Sea Ranch

Wild Moor Reach
Bluff Reach
Breaker Reach

Stengle Beach

Longmeadow Rd

Sculpture Pt Dr

Pebble Beach

Black Point Beach

Black Point

Sea Ridge Rd

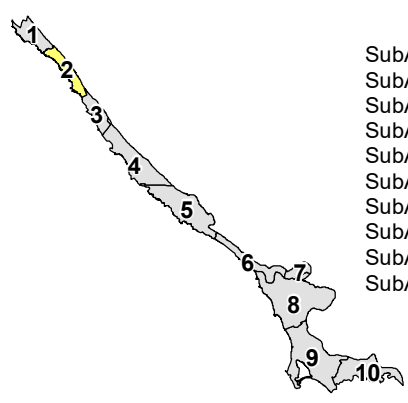
Annapolis Rd

Timber Ridge Rd

Moonraker Rd

SubArea 3
Stewarts Point/Horseshoe Cove

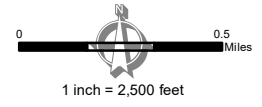
Local Coastal Plan SubAreas



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- SubArea 2 The Sea Ranch South
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- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
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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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Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF).

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3b_PR.mxd Date: 6/3/2019

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

Permit and Resource Management Department

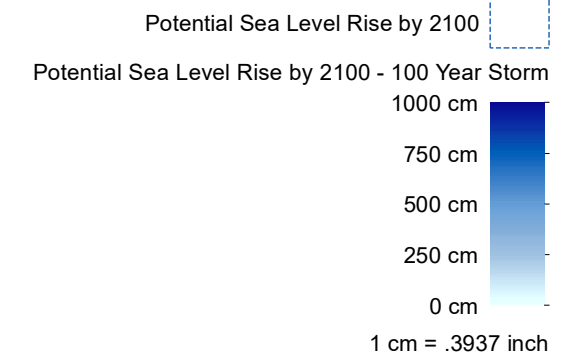
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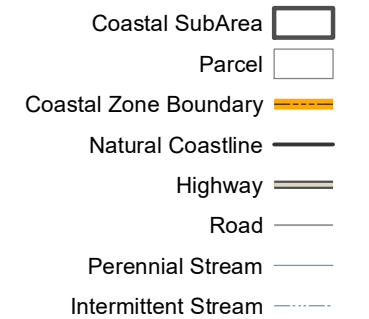
Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards

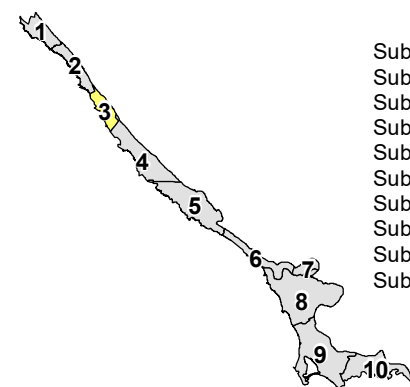
Inundation Hazard Areas



Base Map Layers



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: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF).

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3c_PR.mxd Date: 6/3/2019

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

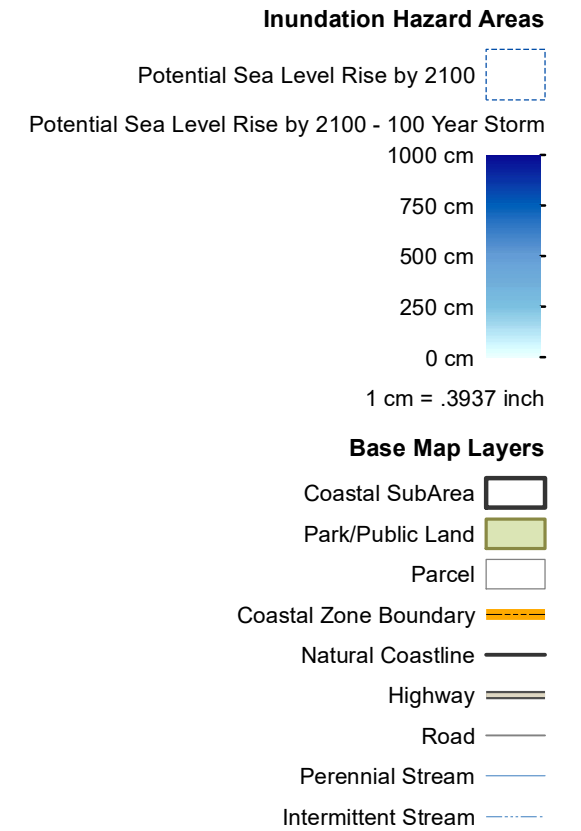
Permit and Resource Management Department

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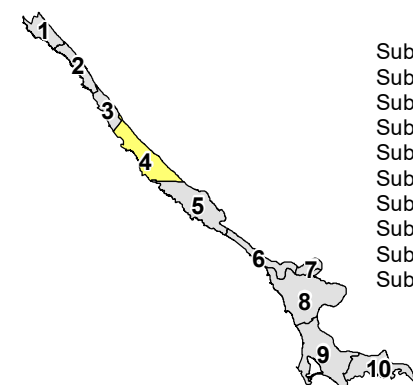


Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards



Local Coastal Plan SubAreas



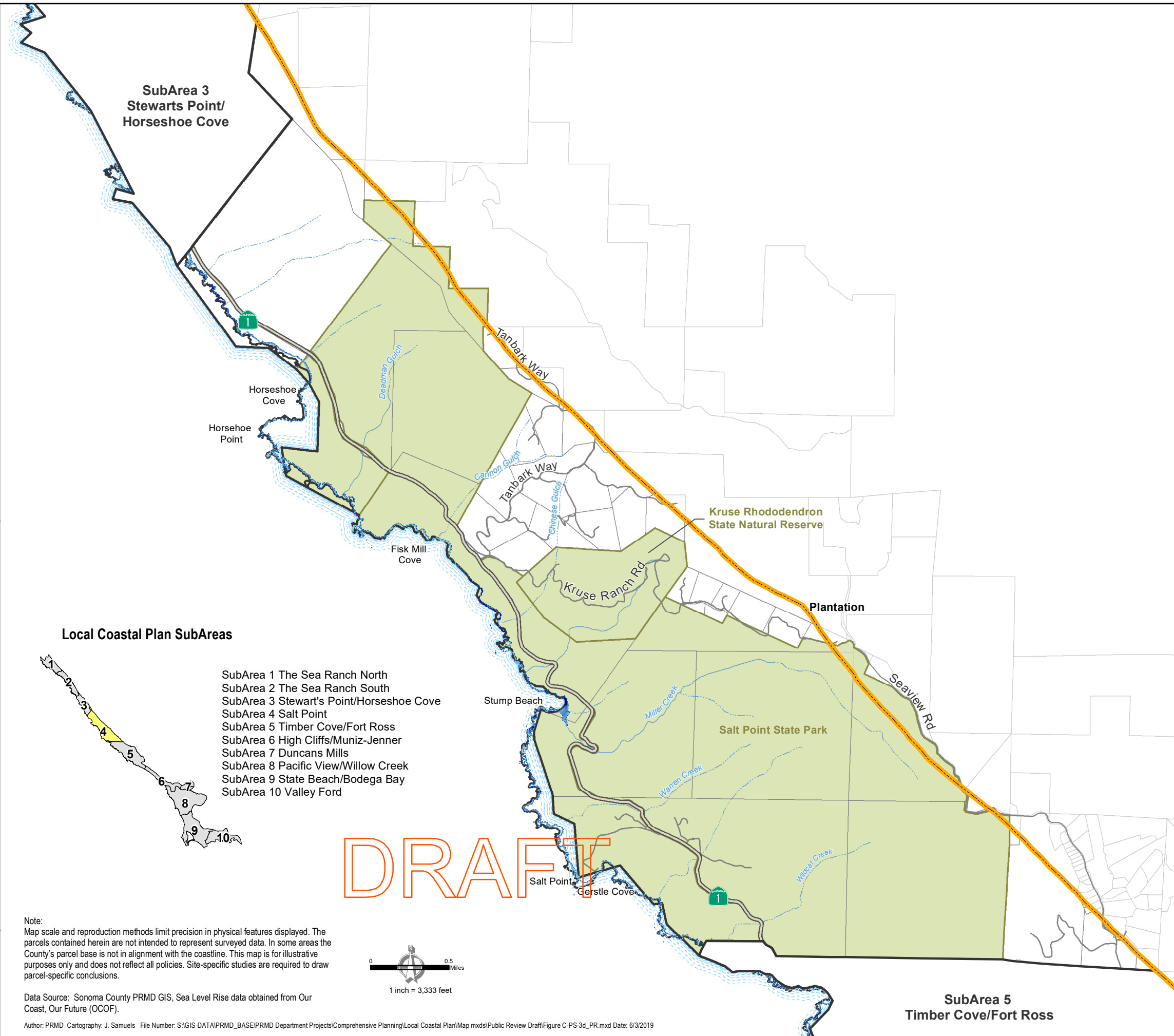
- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
-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

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Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF).

Author: PRMD Cartography, J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3d_PR.mxd Date: 6/3/2019



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

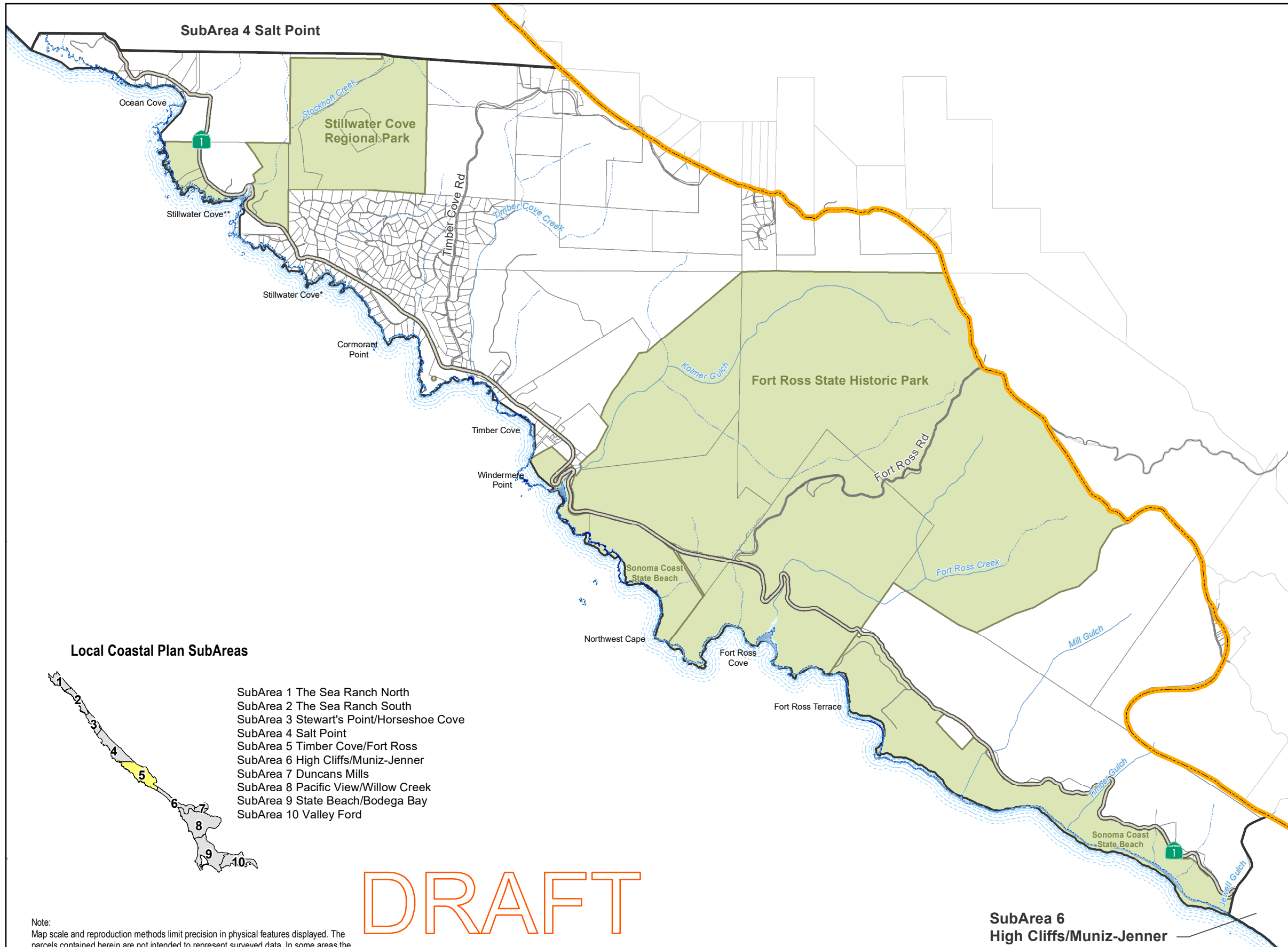
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Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards



Inundation Hazard Areas

Potential Sea Level Rise by 2100

Potential Sea Level Rise by 2100 - 100 Year Storm

1000 cm

750 cm

500 cm

250 cm

0 cm

1 cm = .3937 inch

Base Map Layers

Coastal SubArea

Park/Public Land

Parcel

Coastal Zone Boundary

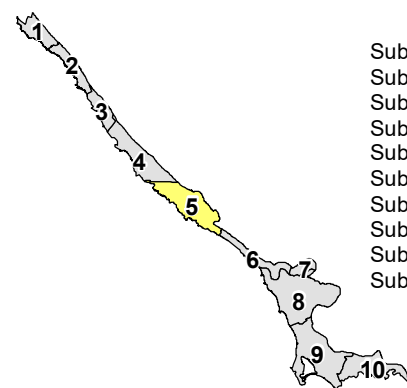
Highway

Road

Perennial Stream

Intermittent Stream

Local Coastal Plan SubAreas



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- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
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- SubArea 10 Valley Ford

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Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF).

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

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\2Public Review Draft\Figure C-PS-3e_PR.mxd Date: 6/3/2019

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


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Sonoma County Local Coastal Plan

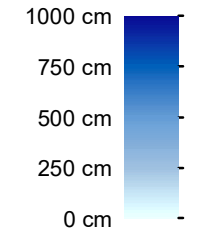
Tsunami and Sea Level Rise Hazards

Inundation Hazard Areas

Potential Tsunami Runup 


Potential Sea Level Rise by 2100 

Potential Sea Level Rise by 2100 - 100 Year Storm



1 cm = .3937 inch


Base Map Layers


Coastal SubArea 

Park/Public Land 

Parcel 

Coastal Zone Boundary 

Natural Coastline 

Highway 

Road 

Perennial Stream 

Intermittent Stream 

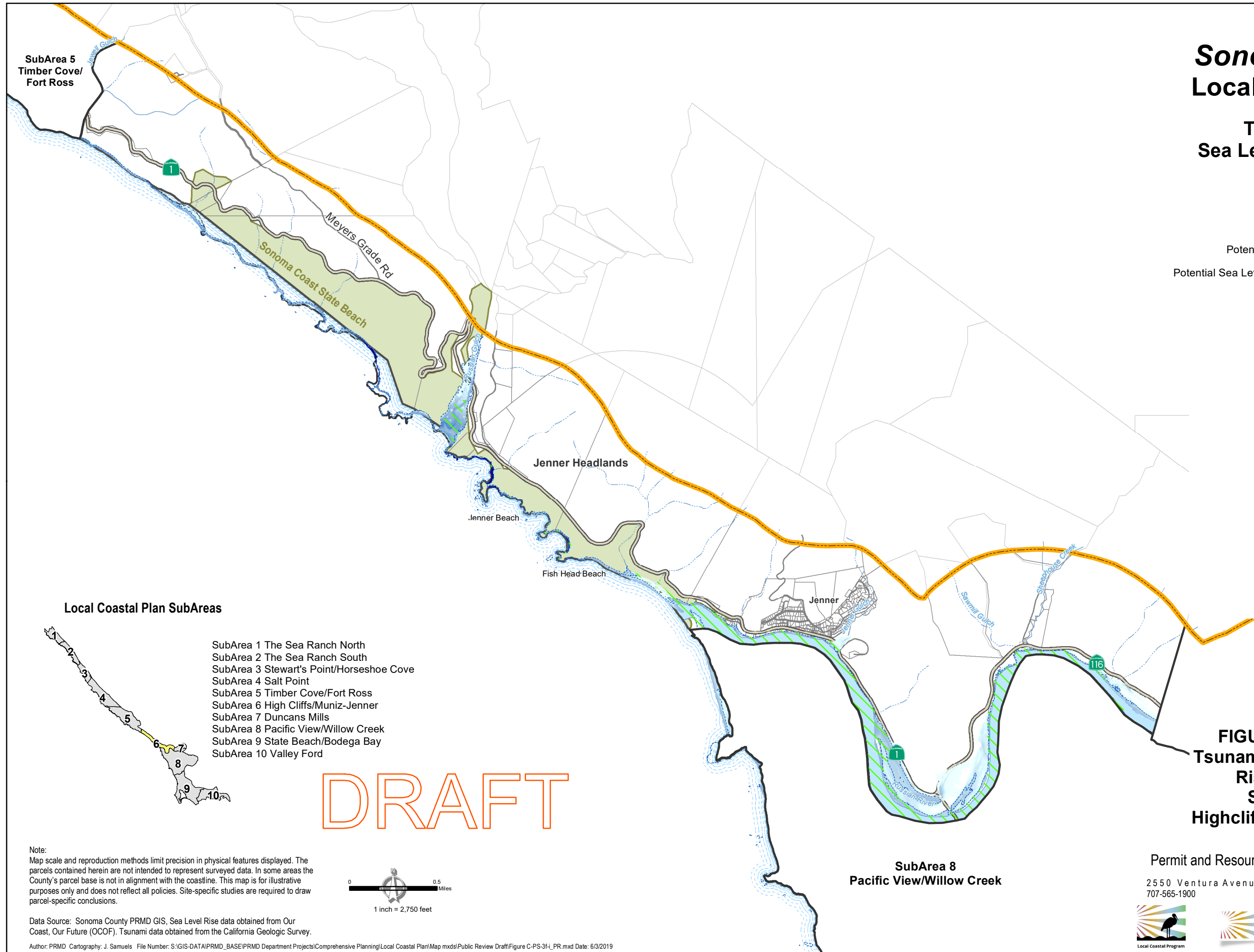
SubArea 7
Duncans Mills

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

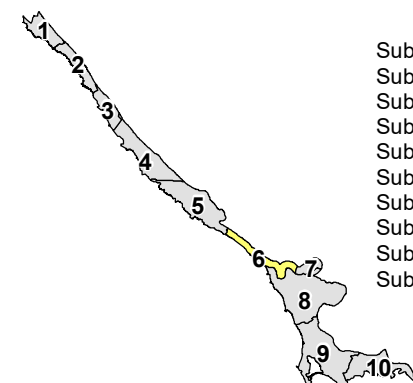
SubArea 8
Pacific View/Willow Creek

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Local Coastal Plan SubAreas



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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

DRAFT

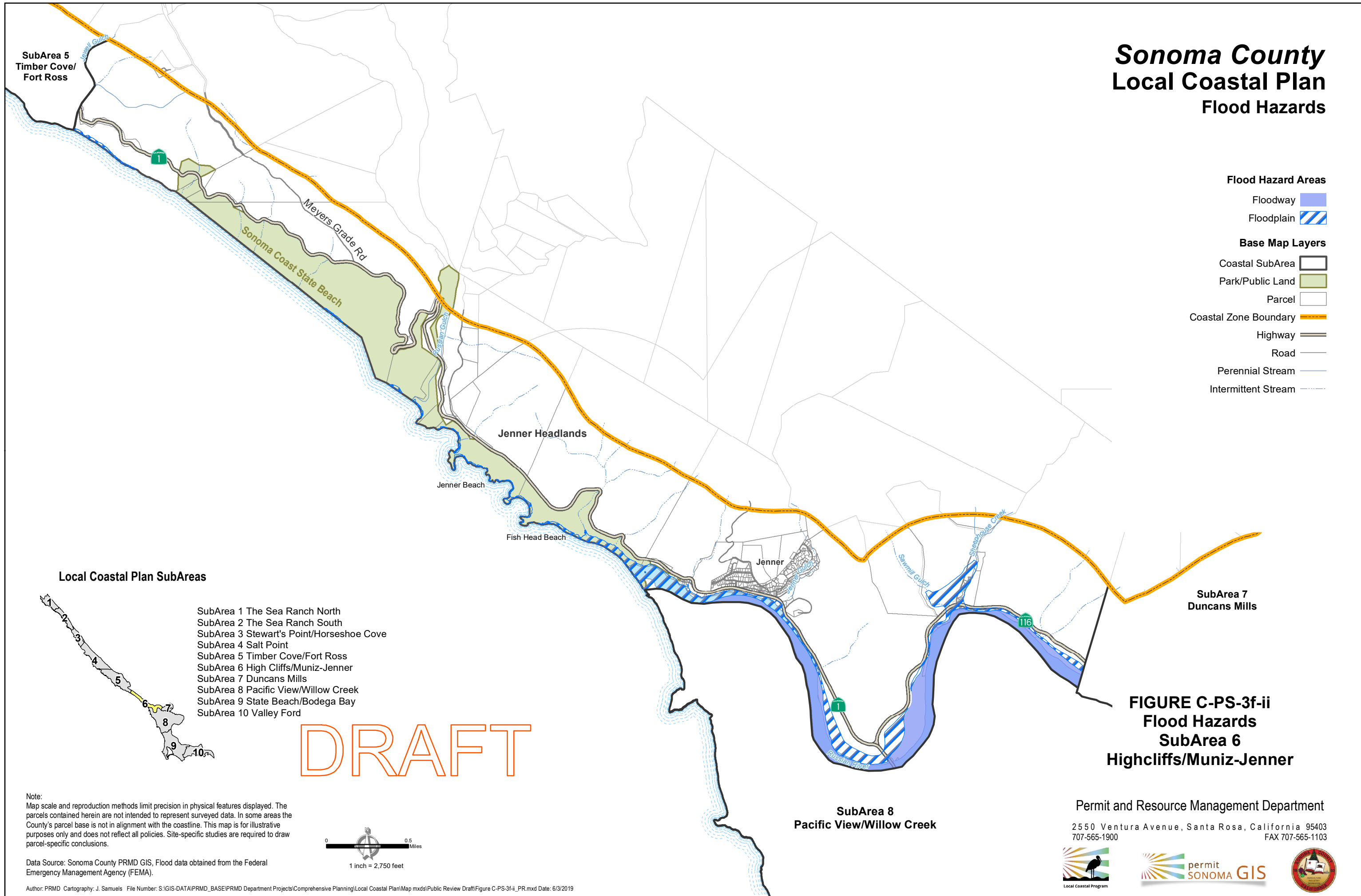
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Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF). Tsunami data obtained from the California Geologic Survey.

Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3f-i_PR.mxd Date: 6/3/2019

Sonoma County Local Coastal Plan Flood Hazards



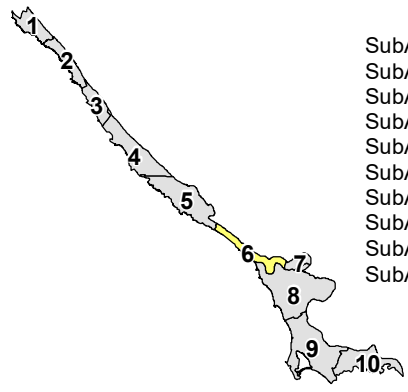
Flood Hazard Areas

- Floodway
- Floodplain

Base Map Layers

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

Local Coastal Plan SubAreas

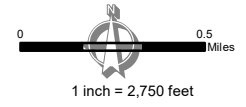


- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
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- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega 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: Sonoma County PRMD GIS, Flood data obtained from the Federal Emergency Management Agency (FEMA).

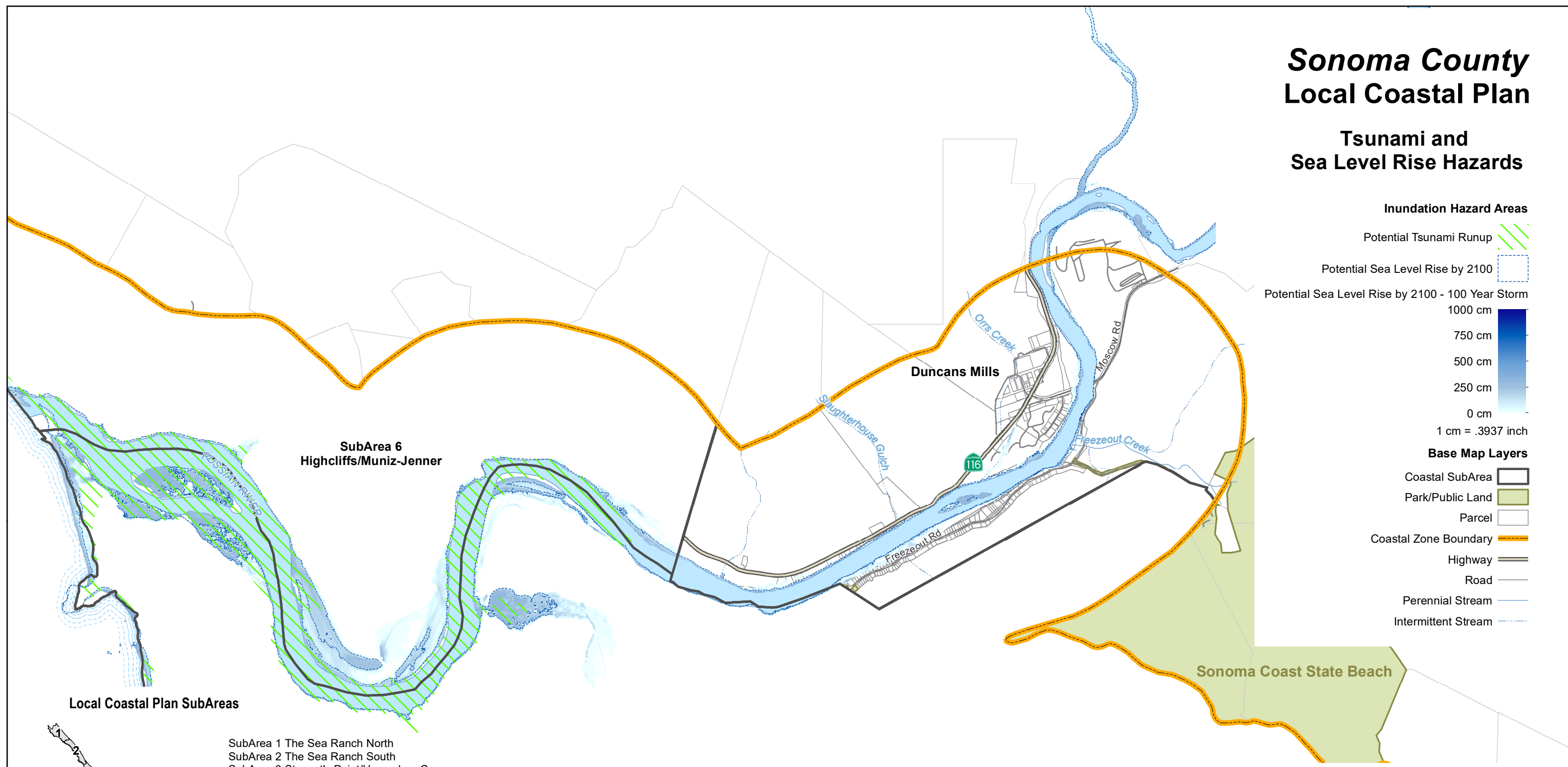
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3f-ii_PR.mxd Date: 6/3/2019

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Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards

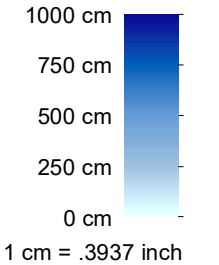


Inundation Hazard Areas

Potential Tsunami Runup

Potential Sea Level Rise by 2100

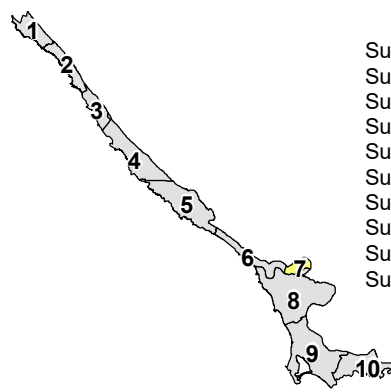
Potential Sea Level Rise by 2100 - 100 Year Storm



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
- 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

SubArea 8
Pacific View/Willow Creek

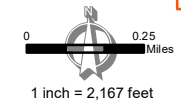
Sonoma Coast State Beach

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

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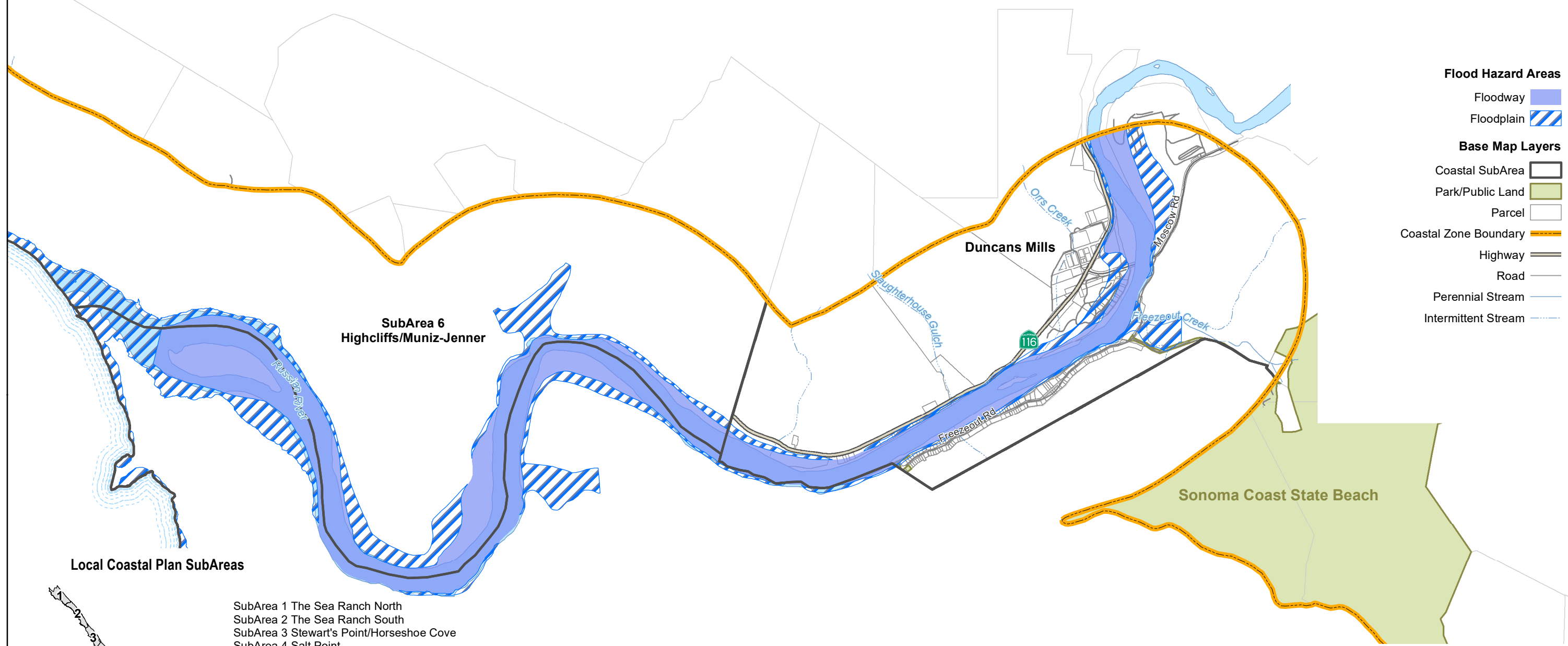


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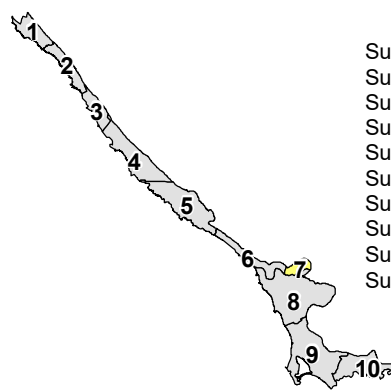


Sonoma County Local Coastal Plan Flood Hazards



- 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

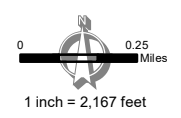


- SubArea 1 The Sea Ranch North
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- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

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

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Data Source: Sonoma County PRMD GIS, Flood data obtained from the Federal Emergency Management Agency (FEMA).

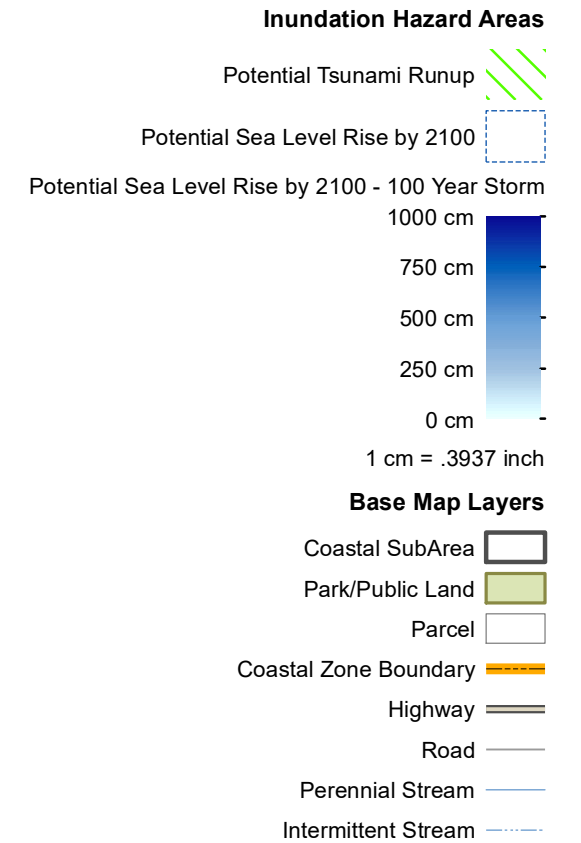
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3g-ii_PR.mxd Date: 6/3/2019

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Sonoma County Local Coastal Plan

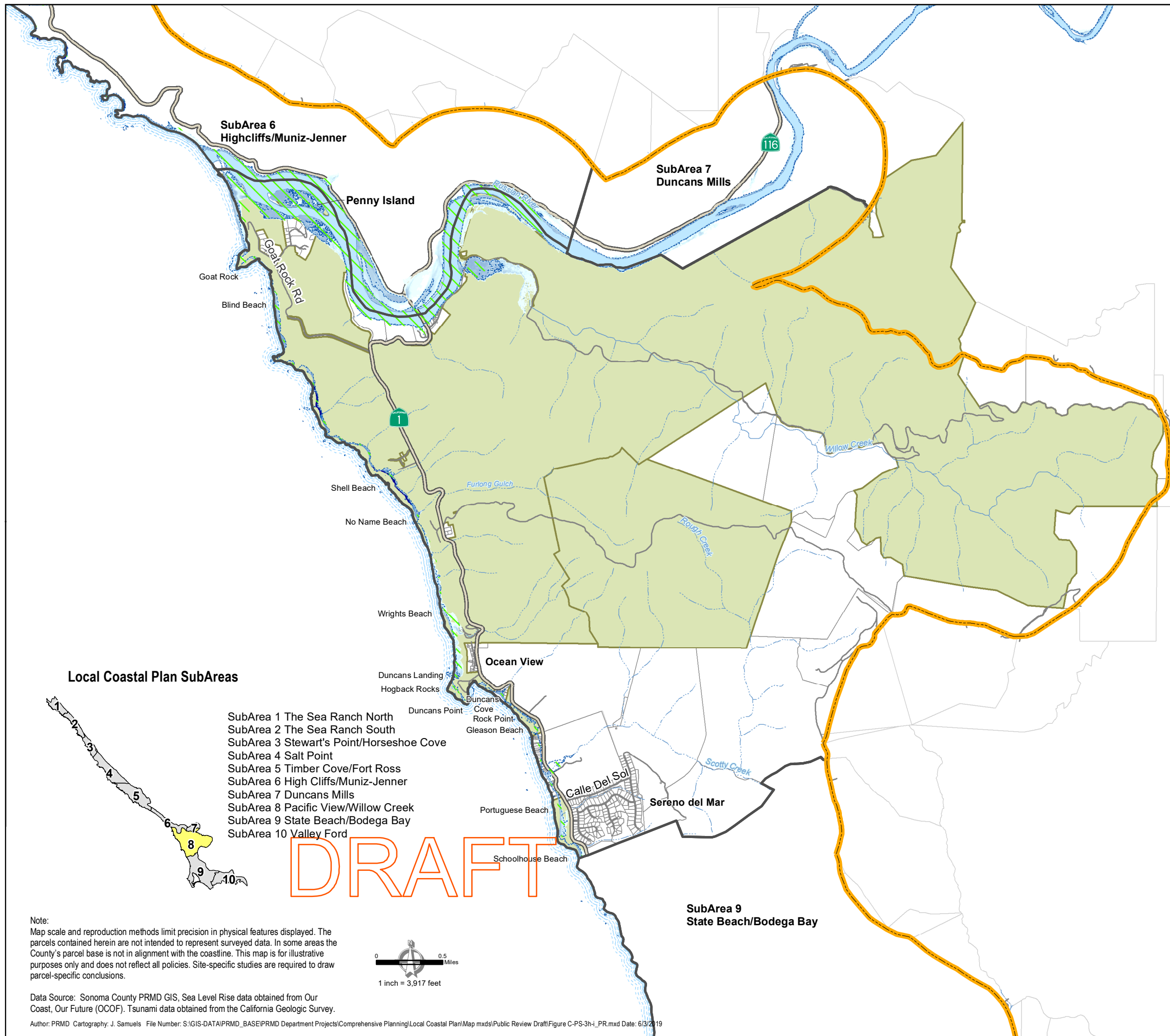
Tsunami and Sea Level Rise Hazards



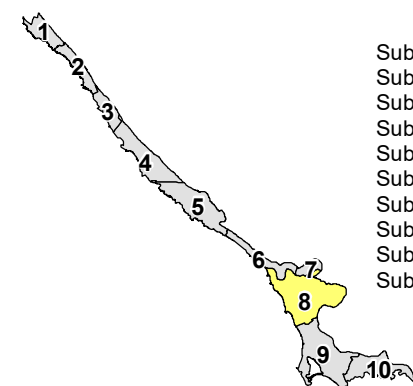
**FIGURE C-PS-3h-i
Tsunami and Sea Level
Rise Hazards
SubArea 8
Pacific View/Willow Creek**

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Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
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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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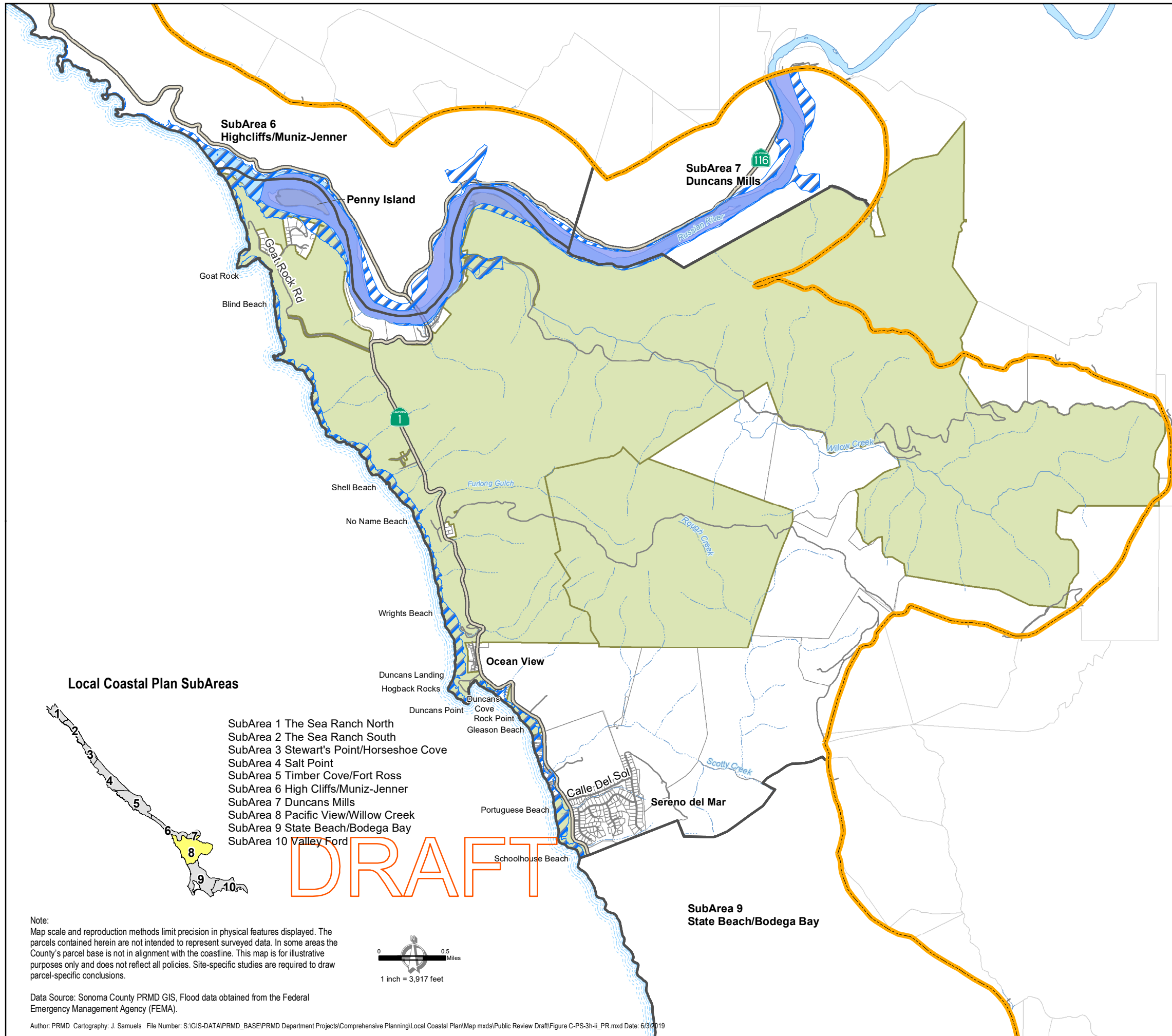
Note:
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Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF). Tsunami data obtained from the California Geologic Survey.

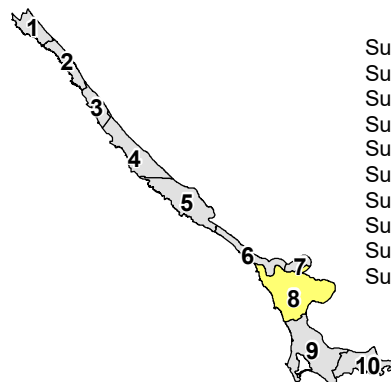
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3h-i_PR.mxd Date: 6/3/2019

Sonoma County Local Coastal Plan Flood Hazards



- Flood Hazard Areas**
- Floodplain
 - Floodway
- 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 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-ii
Flood Hazards
SubArea 8
Pacific View/Willow Creek**

Note:
Map scale and reproduction methods limit precision in physical features displayed. The parcels contained herein are not intended to represent surveyed data. In some areas the County's parcel base is not in alignment with the coastline. This map is for illustrative purposes only and does not reflect all policies. Site-specific studies are required to draw parcel-specific conclusions.



Data Source: Sonoma County PRMD GIS, Flood data obtained from the Federal Emergency Management Agency (FEMA).

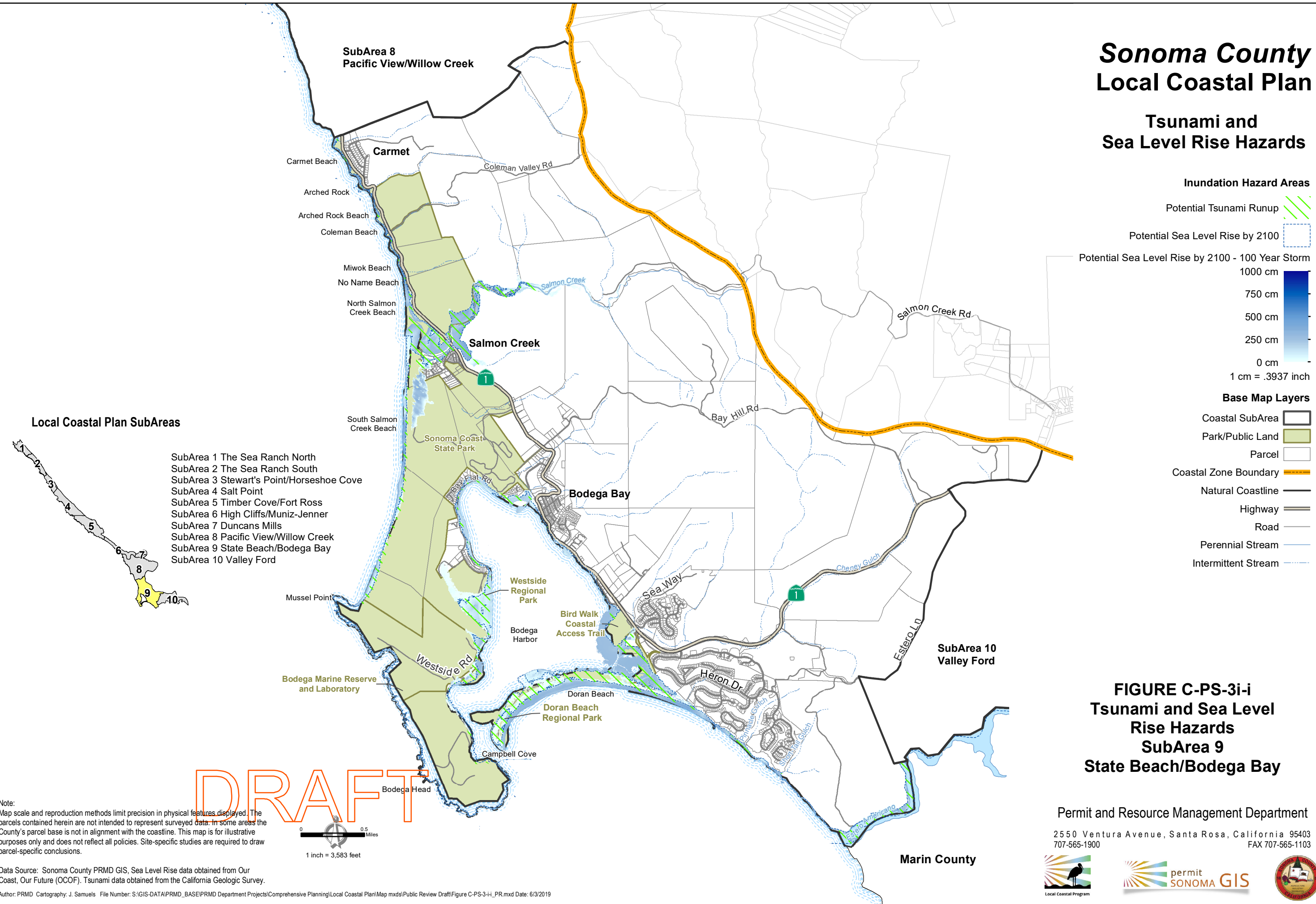
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3h-ii_PR.mxd Date: 6/3/2019

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Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards



Local Coastal Plan SubAreas

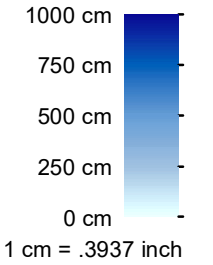
- SubArea 1 The Sea Ranch North
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- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
- SubArea 10 Valley Ford

Inundation Hazard Areas

Potential Tsunami Runup

Potential Sea Level Rise by 2100

Potential Sea Level Rise by 2100 - 100 Year Storm



Base Map Layers

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

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

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

Note:
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Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF). Tsunami data obtained from the California Geologic Survey.

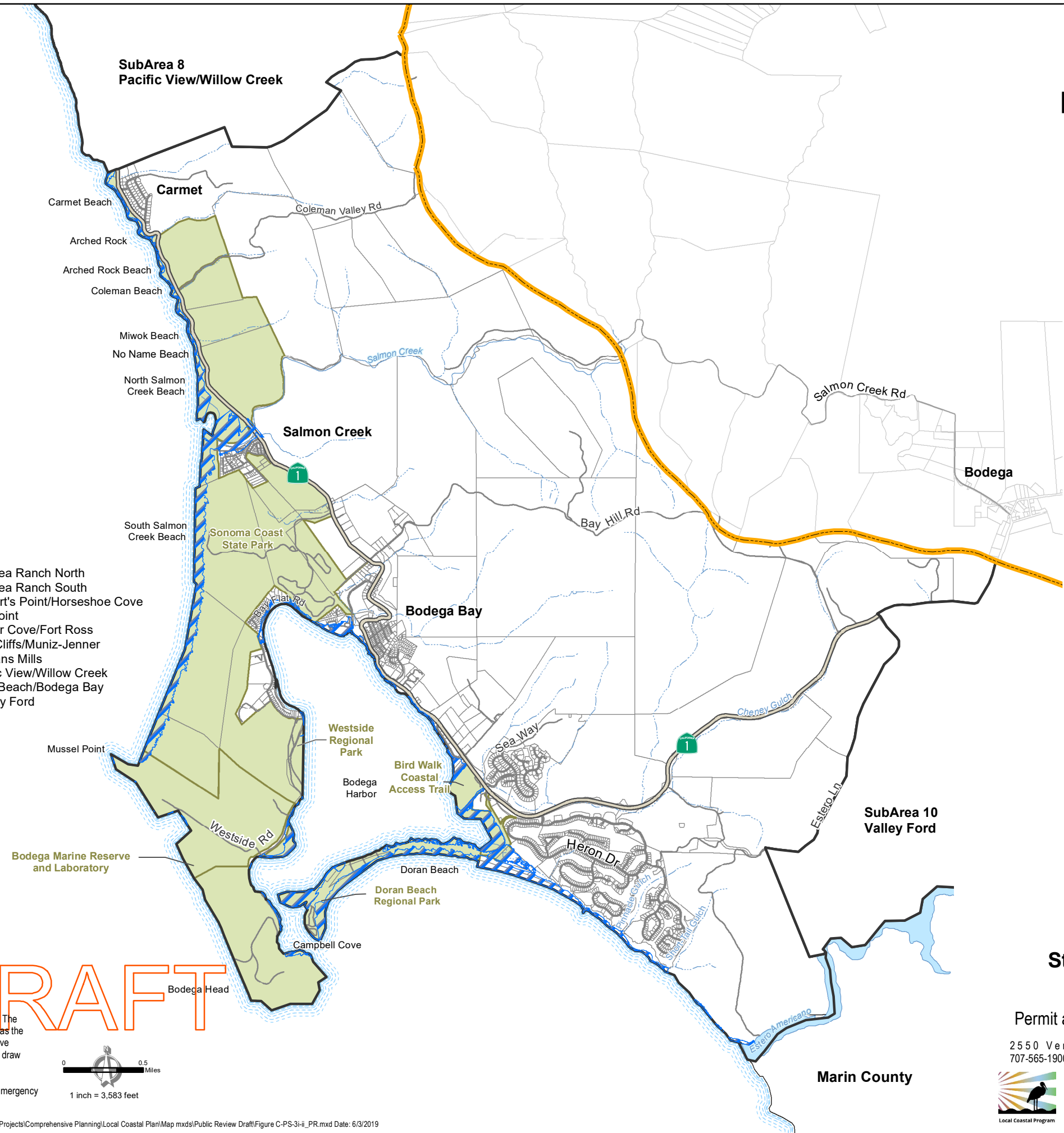
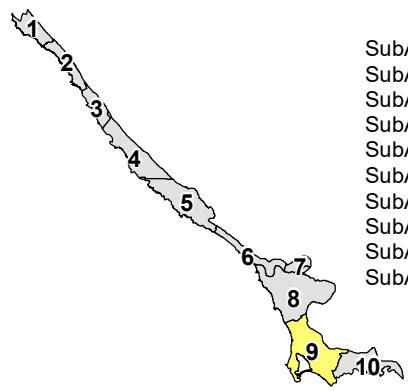
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Sonoma County Local Coastal Plan Flood Hazards

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

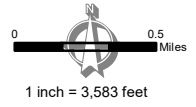
Local Coastal Plan SubAreas

- 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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Data Source: Sonoma County PRMD GIS, 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\Public Review Draft\Figure C-PS-3i-ii_PR.mxd Date: 6/3/2019

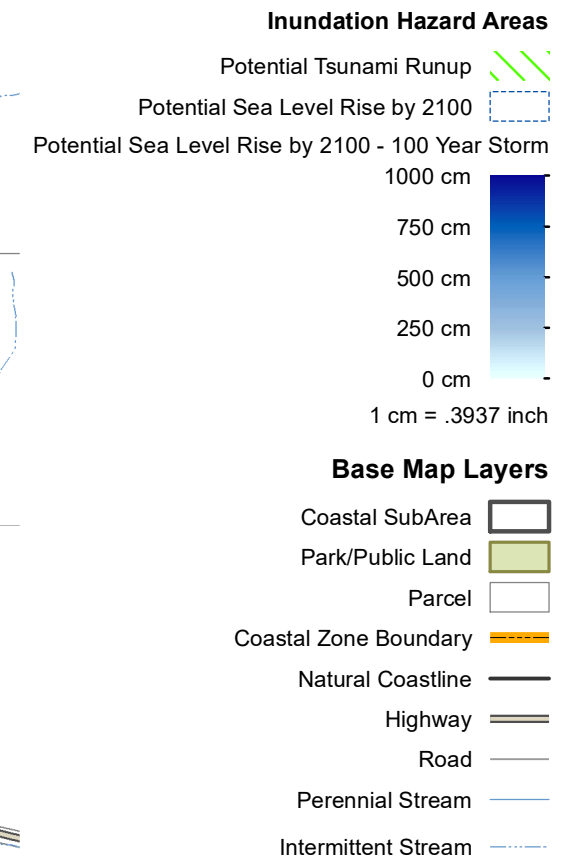
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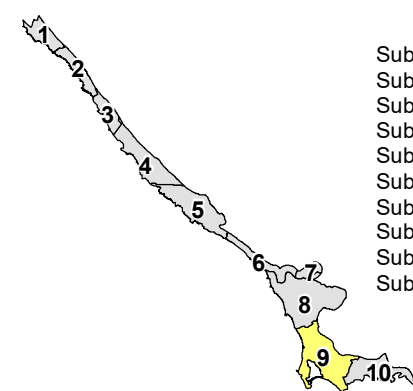
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Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards



Local Coastal Plan SubAreas



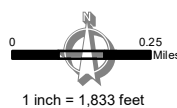
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South Salmon
Creek Beach

Sonoma Coast
State Park

Bay Hill Rd

Bodega Bay

Bay Flat Rd

Mussel Point

Westside
Regional
Park

Bird Walk Coastal
Access Trail

Sea Way

Bodega Marine Reserve
and Laboratory

Bodega Harbor

Horseshoe
Cove

Westside Rd

Doran Beach

Heron Dr

Doran Beach
Regional Park

Campbell Cove

Bodega Head

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


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Sonoma County Local Coastal Plan Flood Hazards


Flood Hazard Areas


Floodplain 


Base Map Layers


Coastal SubArea 


Rural Community 


Park/Public Land 

Parcel 


Coastal Zone Boundary 

Natural Coastline 

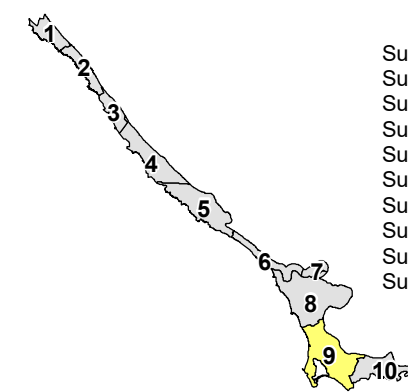
Highway 

Road 

Perennial Stream 

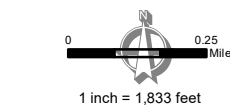
Intermittent Stream 

Local Coastal Plan SubAreas



- SubArea 1 The Sea Ranch North
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South Salmon Creek Beach

Sonoma Coast State Park

Bay Hill Rd

Bay Flat Rd

Bodega Bay

Mussel Point

Westside Regional Park

Bodega Marine Reserve and Laboratory

Bird Walk Coastal Access Trail

Bodega Harbor

Sea Way

Horseshoe Cove

Westside Rd

Doran Beach

Heron Dr

Doran Beach Regional Park

Campbell Cove

Bodega Head

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

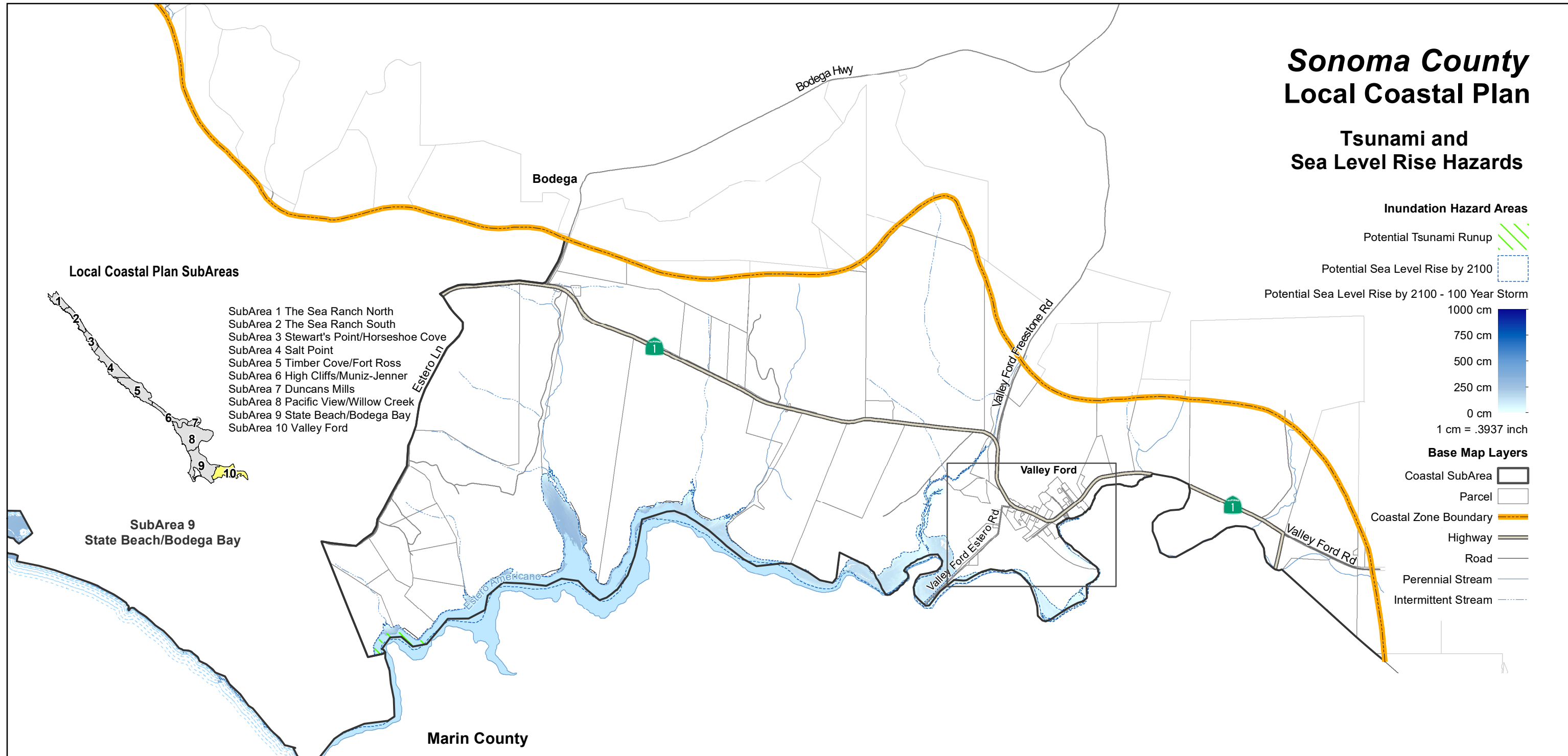
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Sonoma County Local Coastal Plan

Tsunami and Sea Level Rise Hazards



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Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF). Tsunami data obtained from the California Geologic Survey.

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

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