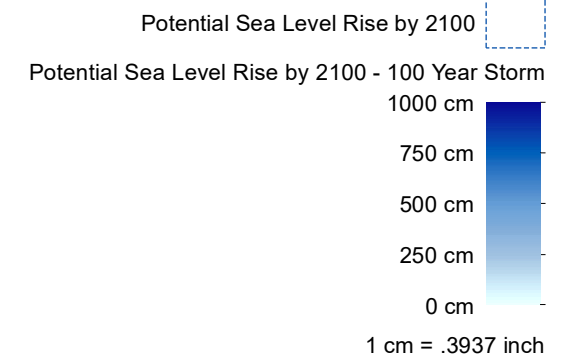


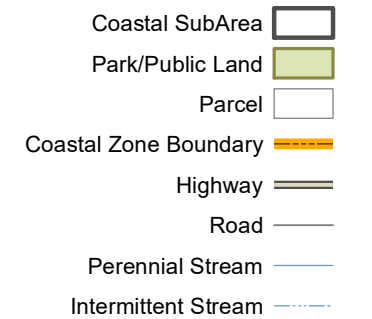
# Sonoma County Local Coastal Plan

## Tsunami and Sea Level Rise Hazards

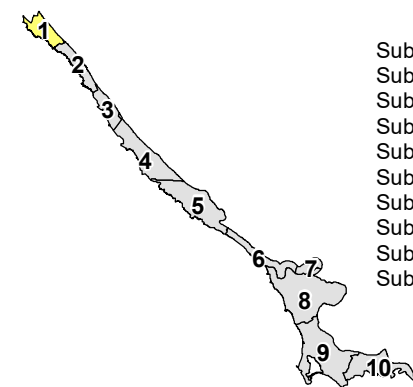
### Inundation Hazard Areas



### 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

**DRAFT**



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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**

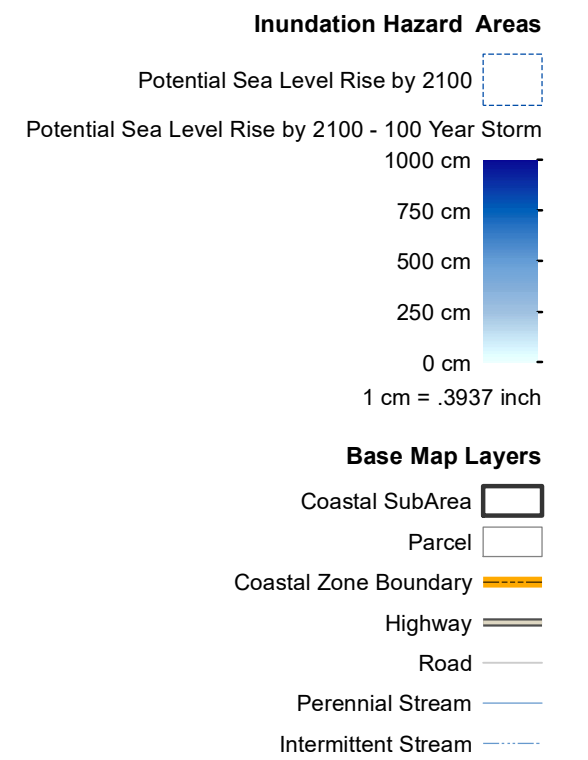
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# Sonoma County Local Coastal Plan

## 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

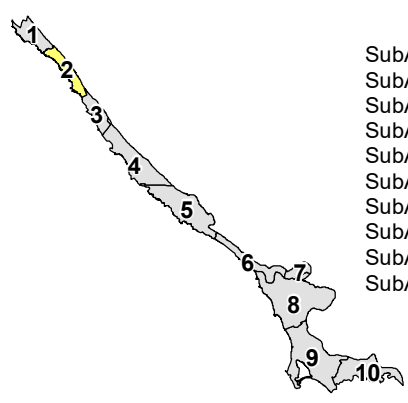
Annapolis Rd

Timber Ridge Rd

Moonraker Rd

SubArea 3  
Stewarts Point/Horseshoe Cove

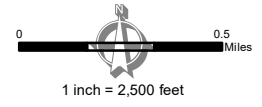
### Local Coastal Plan SubAreas



- 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-3b\_PR.mxd Date: 6/3/2019

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

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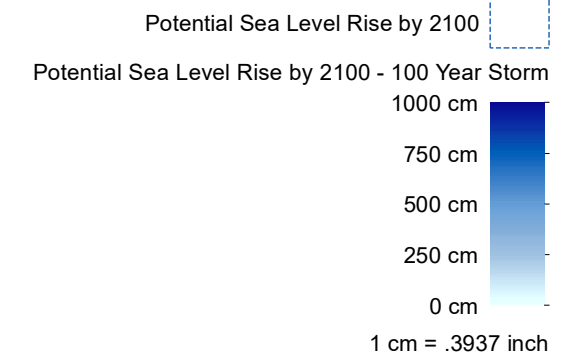




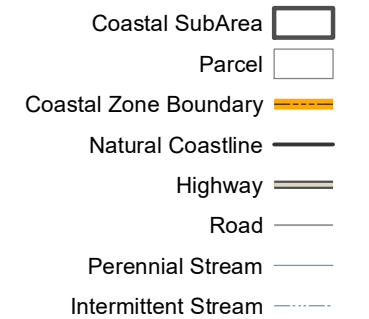
# Sonoma County Local Coastal Plan

## Tsunami and Sea Level Rise Hazards

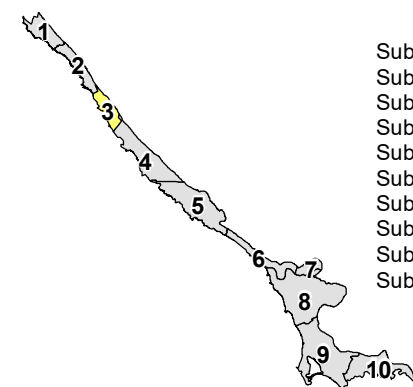
### Inundation Hazard Areas



### 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**

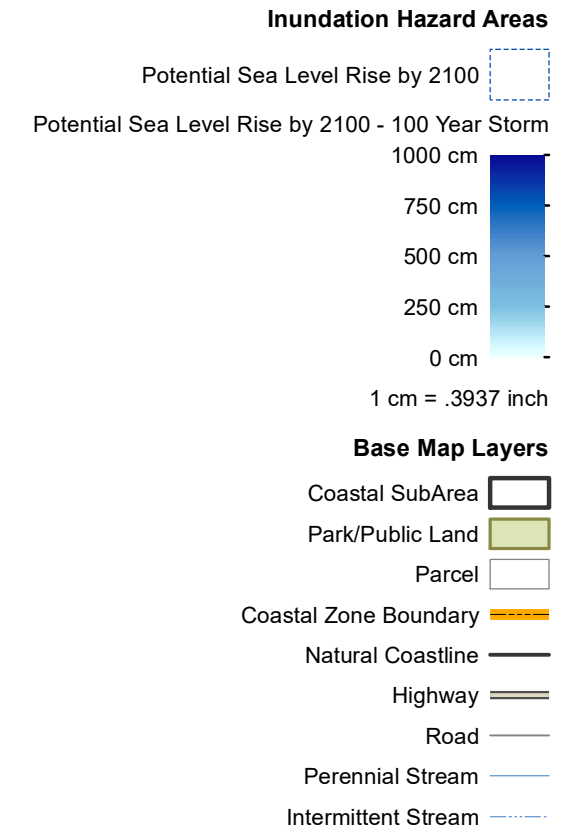
Permit and Resource Management Department

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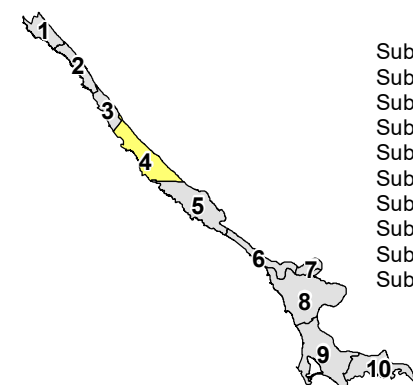


# Sonoma County Local Coastal Plan

## 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

**DRAFT**

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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



**SubArea 5  
Timber Cove/Fort Ross**

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

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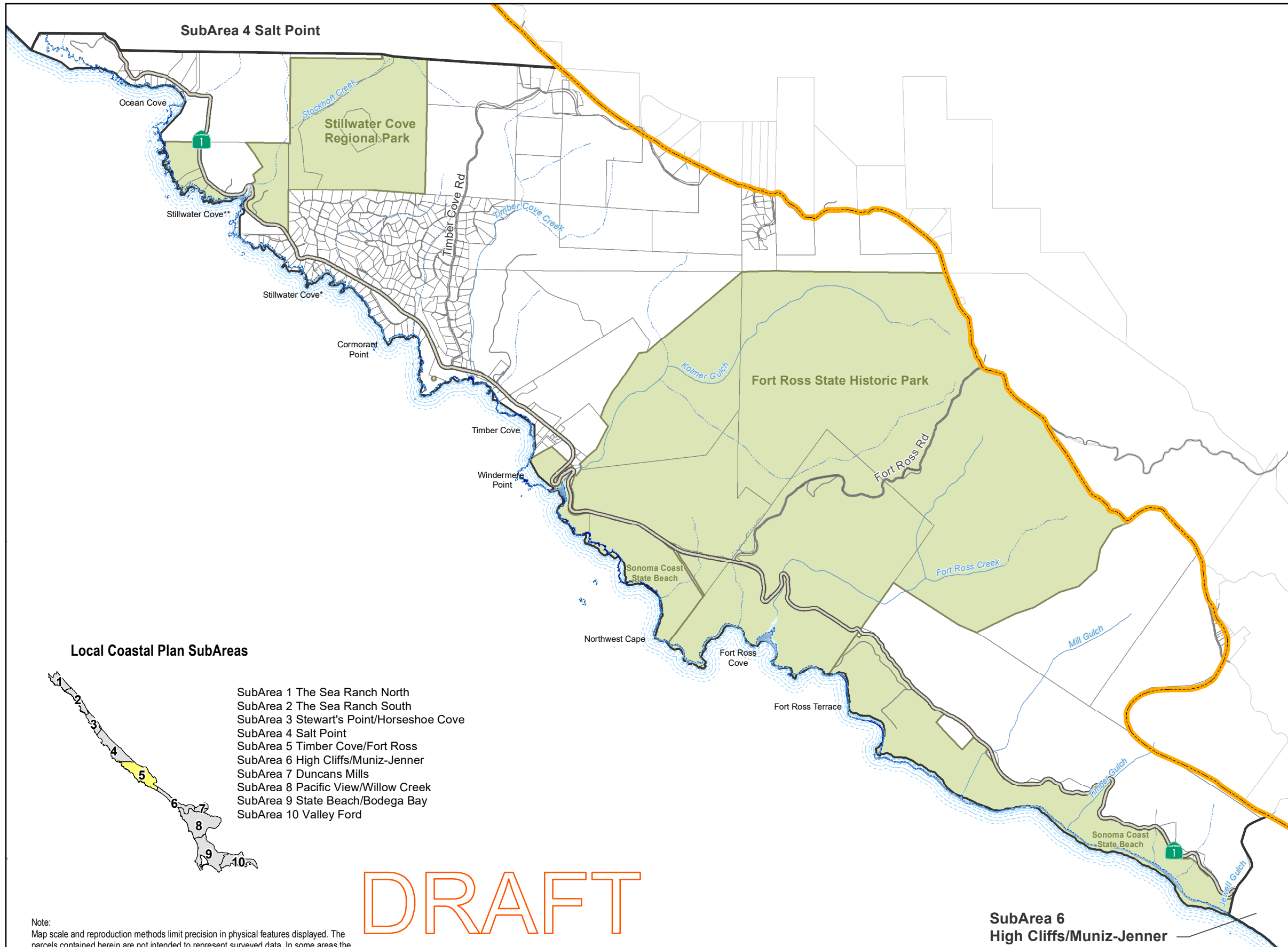
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# Sonoma County Local Coastal Plan

## 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

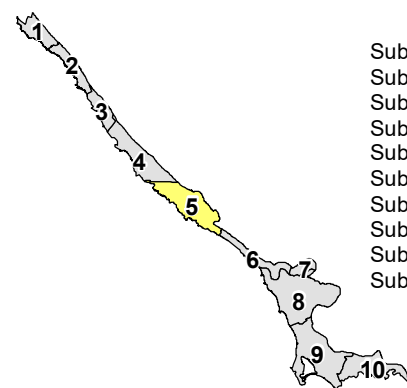
Highway

Road

Perennial Stream

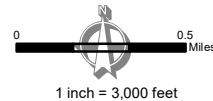
Intermittent Stream

### Local Coastal Plan SubAreas



- 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).

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

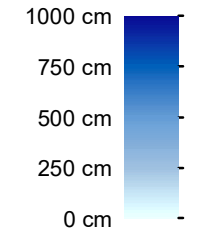
## Tsunami and Sea Level Rise Hazards

### 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 

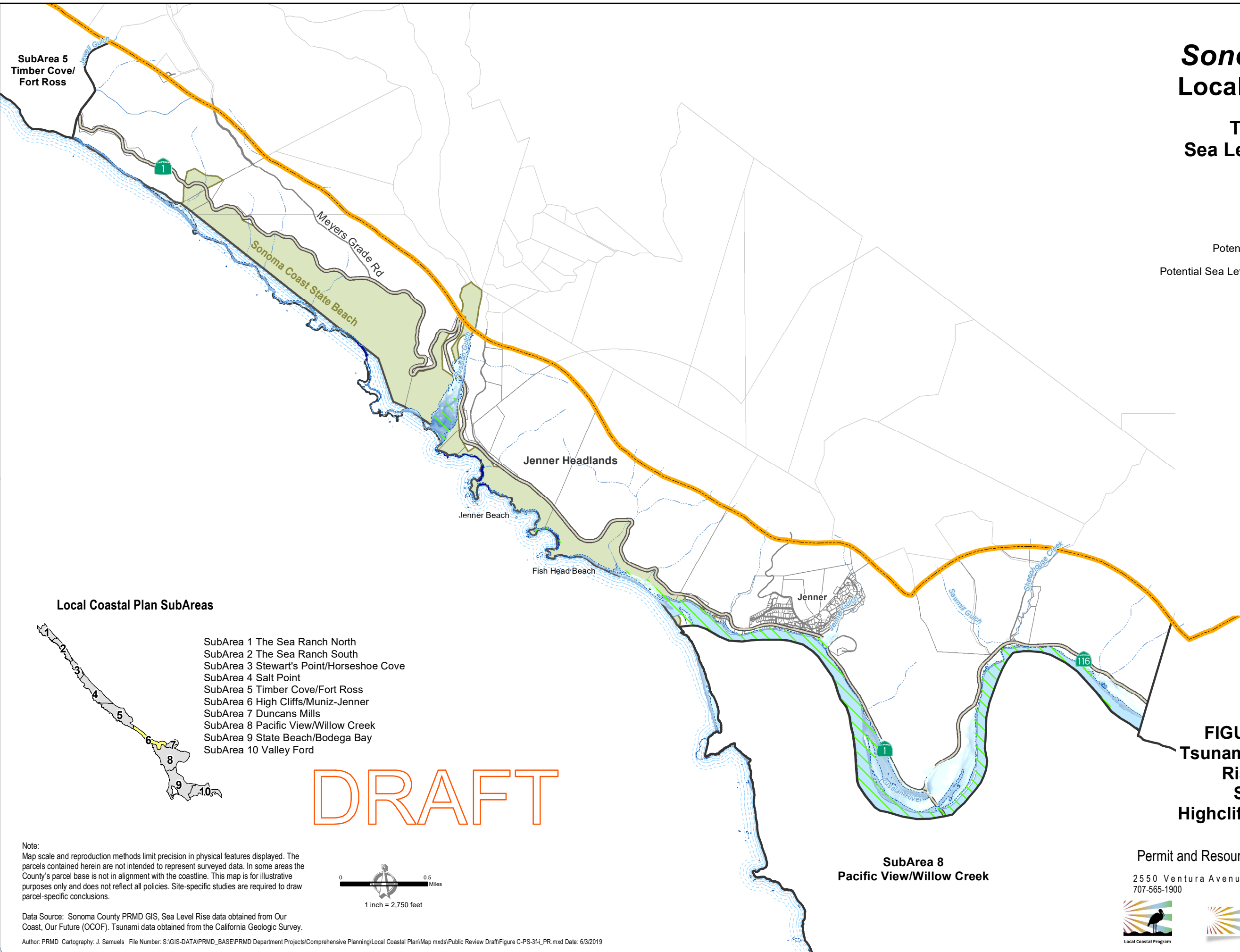
Perennial Stream 

Intermittent Stream 

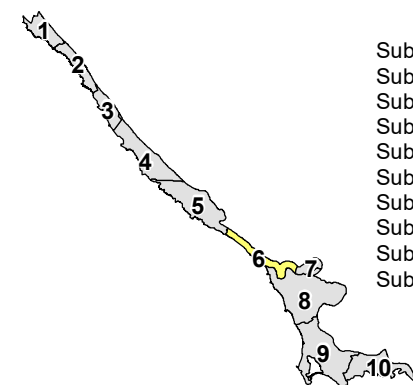
SubArea 7  
Duncans Mills

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

SubArea 8  
Pacific View/Willow Creek



### 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). Tsunami data obtained from the California Geologic Survey.

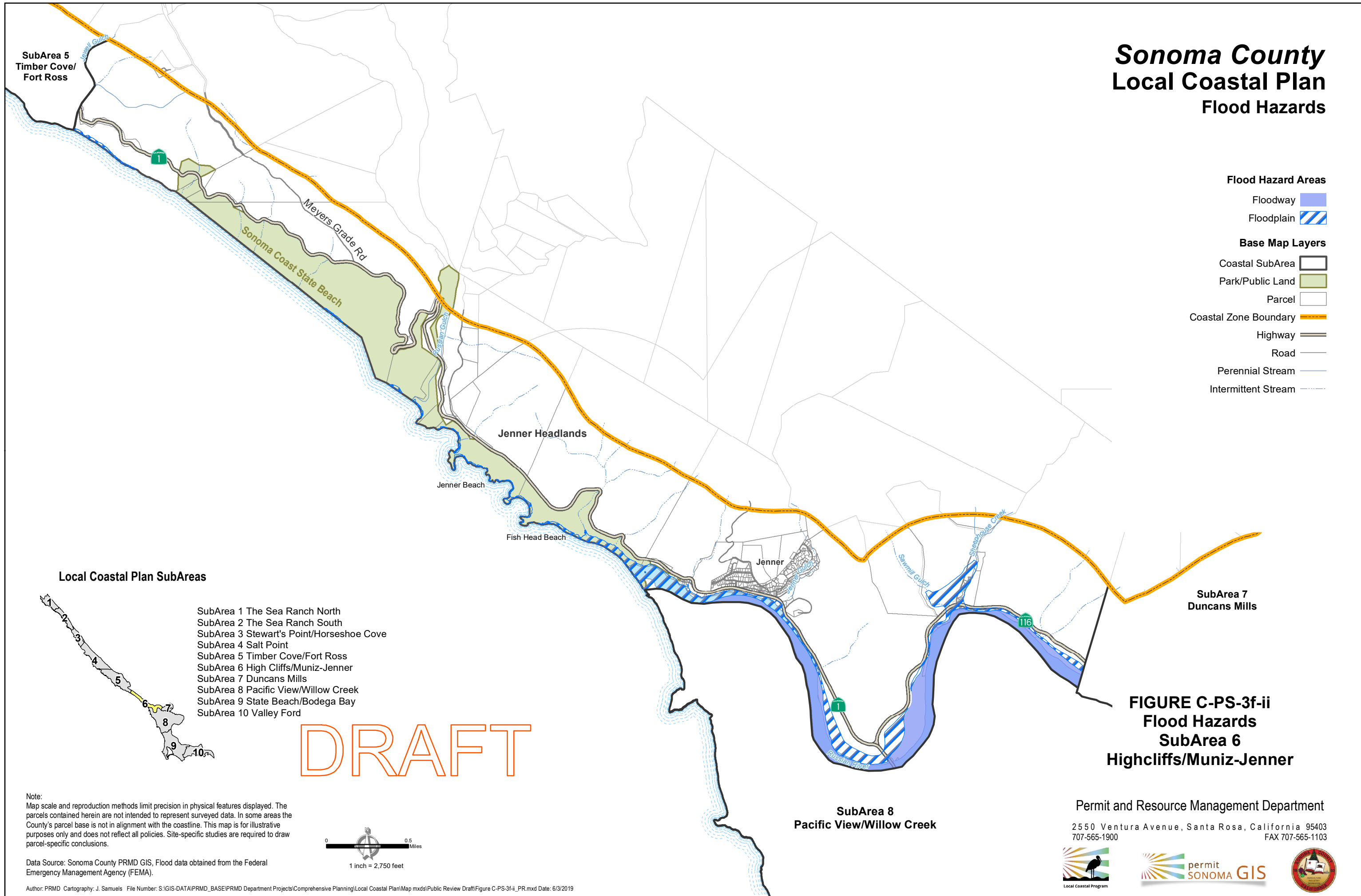
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD\_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3f-i\_PR.mxd Date: 6/3/2019

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# Sonoma County Local Coastal Plan Flood Hazards



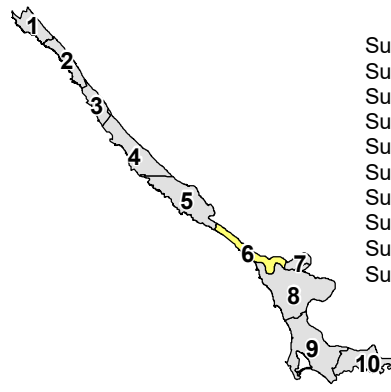
### Flood Hazard Areas

- Floodway
- Floodplain

### Base Map Layers

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

### Local Coastal Plan SubAreas

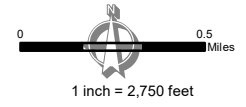


- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
-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

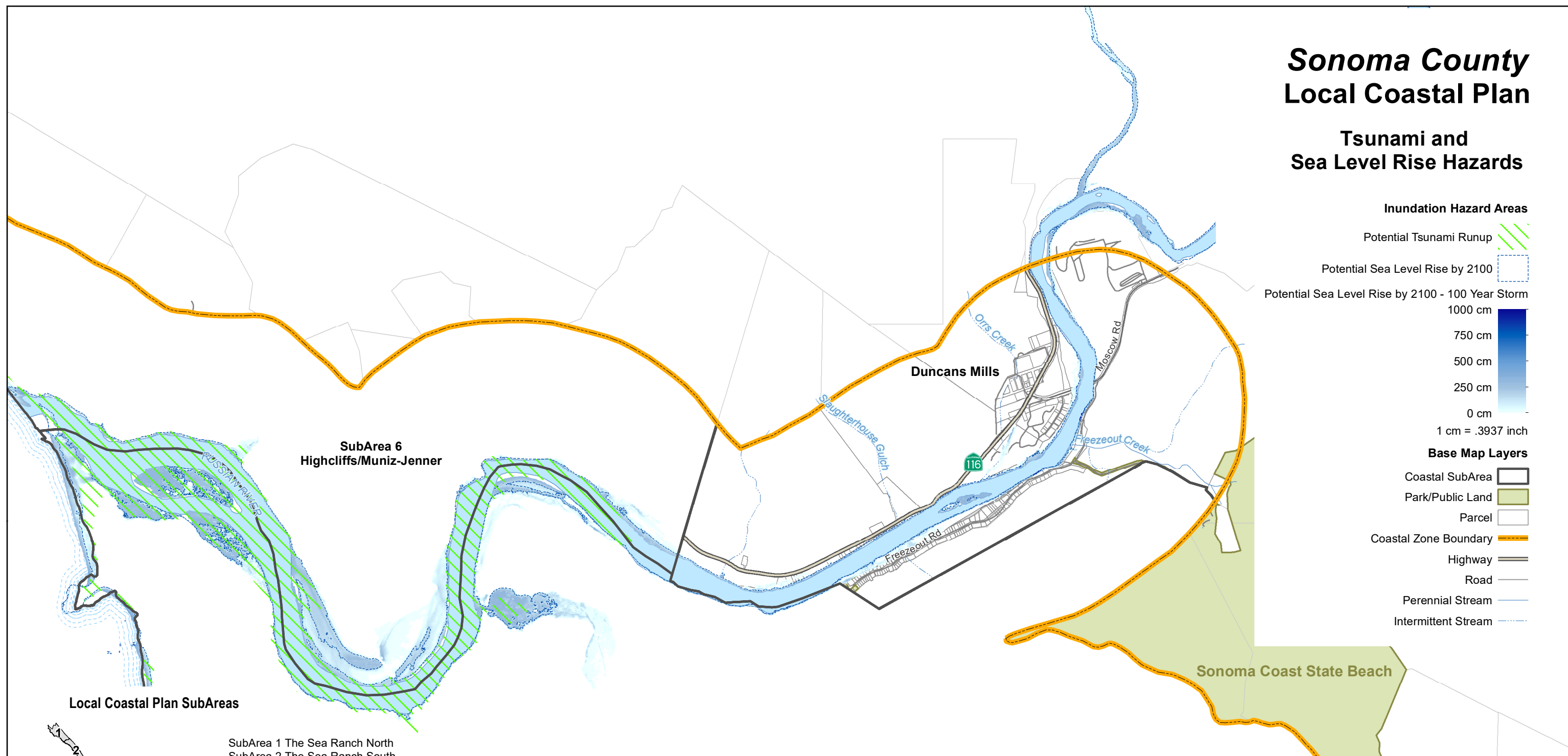
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# Sonoma County Local Coastal Plan

## Tsunami and Sea Level Rise Hazards



**Inundation Hazard Areas**

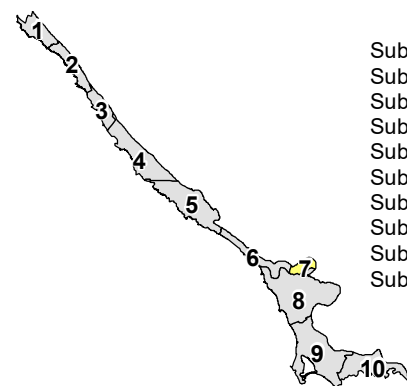
- Potential Tsunami Runup
- Potential Sea Level Rise by 2100
- Potential Sea Level Rise by 2100 - 100 Year Storm

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



- 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

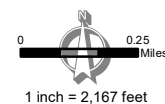
### SubArea 8 Pacific View/Willow Creek

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

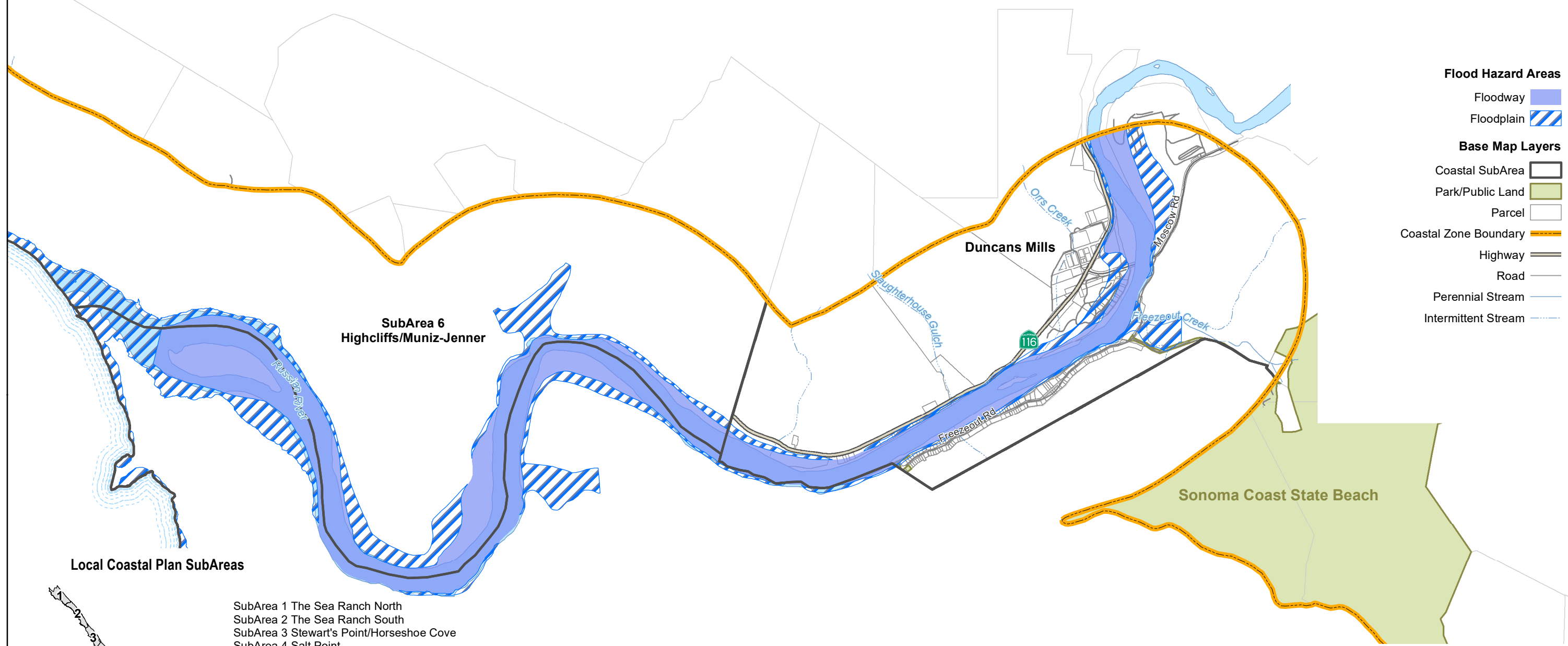


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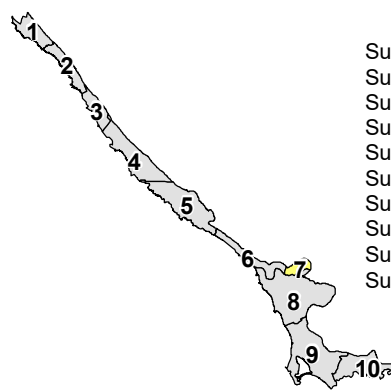


# Sonoma County Local Coastal Plan Flood Hazards



- Flood Hazard Areas**
- 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

**DRAFT**

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

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

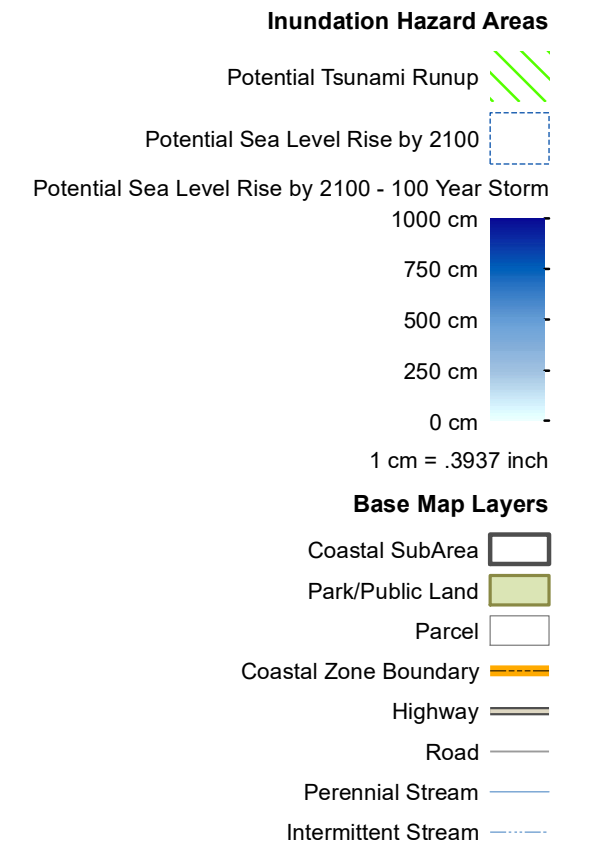
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD\_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3g-ii\_PR.mxd Date: 6/3/2019

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# Sonoma County Local Coastal Plan

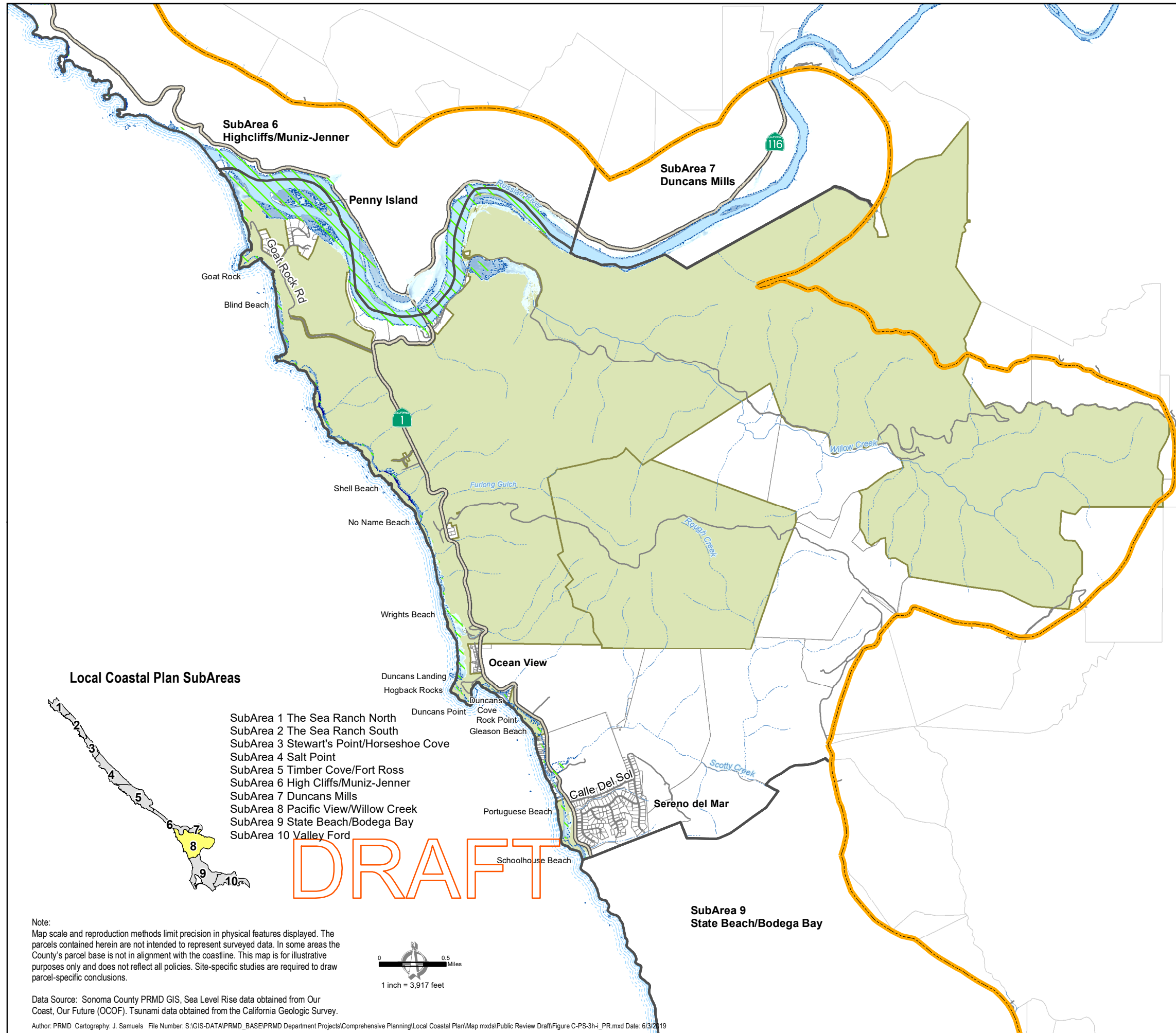
## Tsunami and Sea Level Rise Hazards



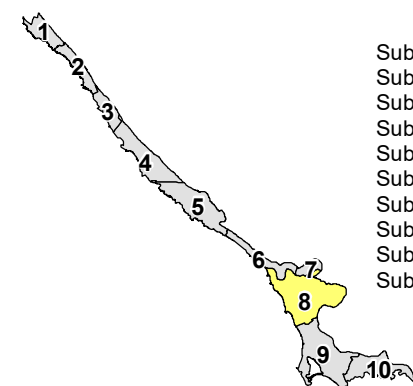
**FIGURE C-PS-3h-i  
Tsunami and Sea Level  
Rise Hazards  
SubArea 8  
Pacific View/Willow Creek**

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**Local Coastal Plan SubAreas**



- SubArea 1 The Sea Ranch North
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- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
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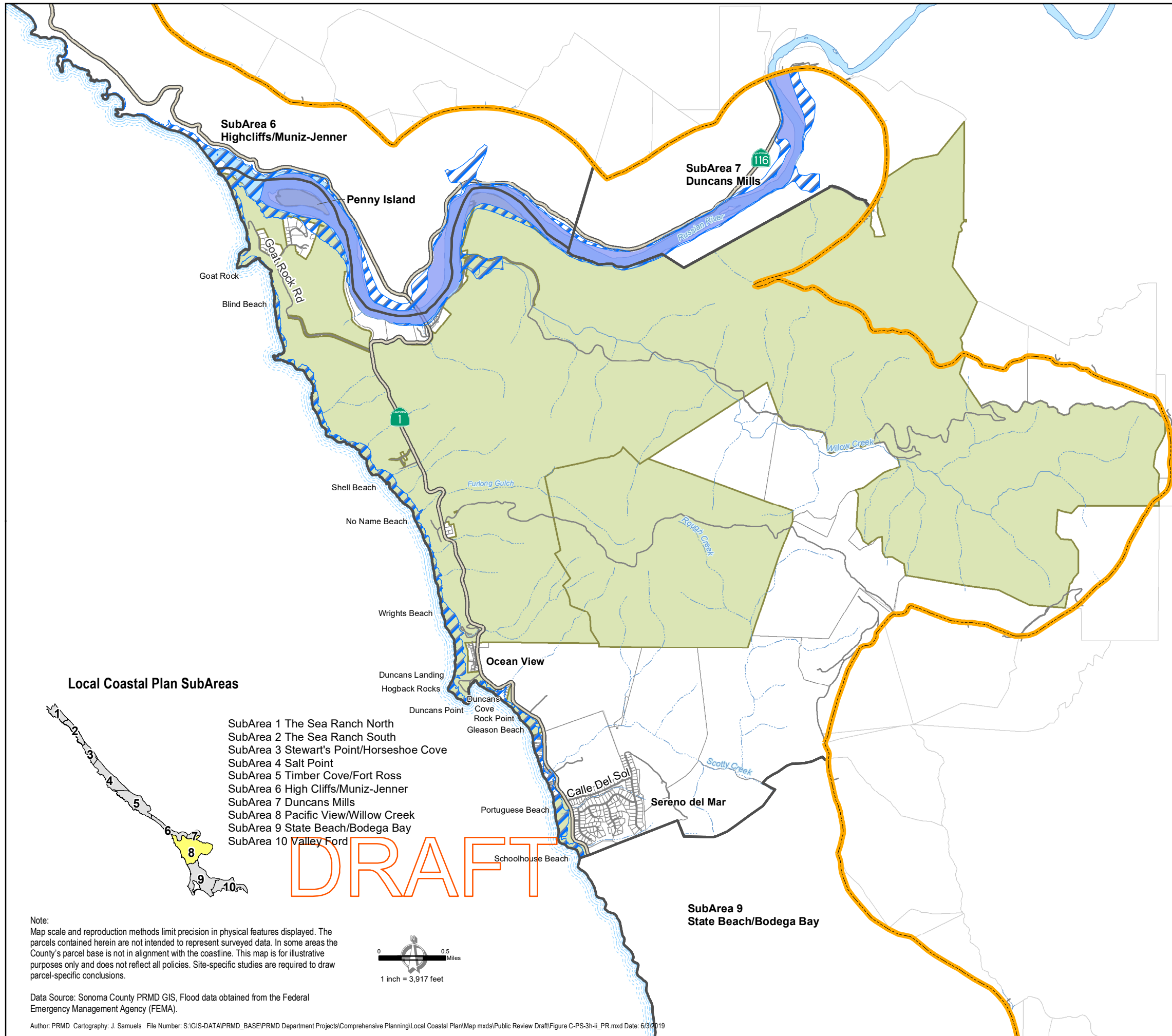


Data Source: Sonoma County PRMD GIS, Sea Level Rise data obtained from Our Coast, Our Future (OCOF). Tsunami data obtained from the California Geologic Survey.

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

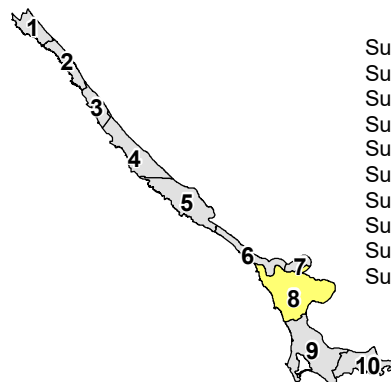


# Sonoma County Local Coastal Plan Flood Hazards



- 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

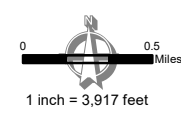


- SubArea 1 The Sea Ranch North
- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
- SubArea 4 Salt Point
- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow Creek
- SubArea 9 State Beach/Bodega Bay
-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

**DRAFT**

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

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

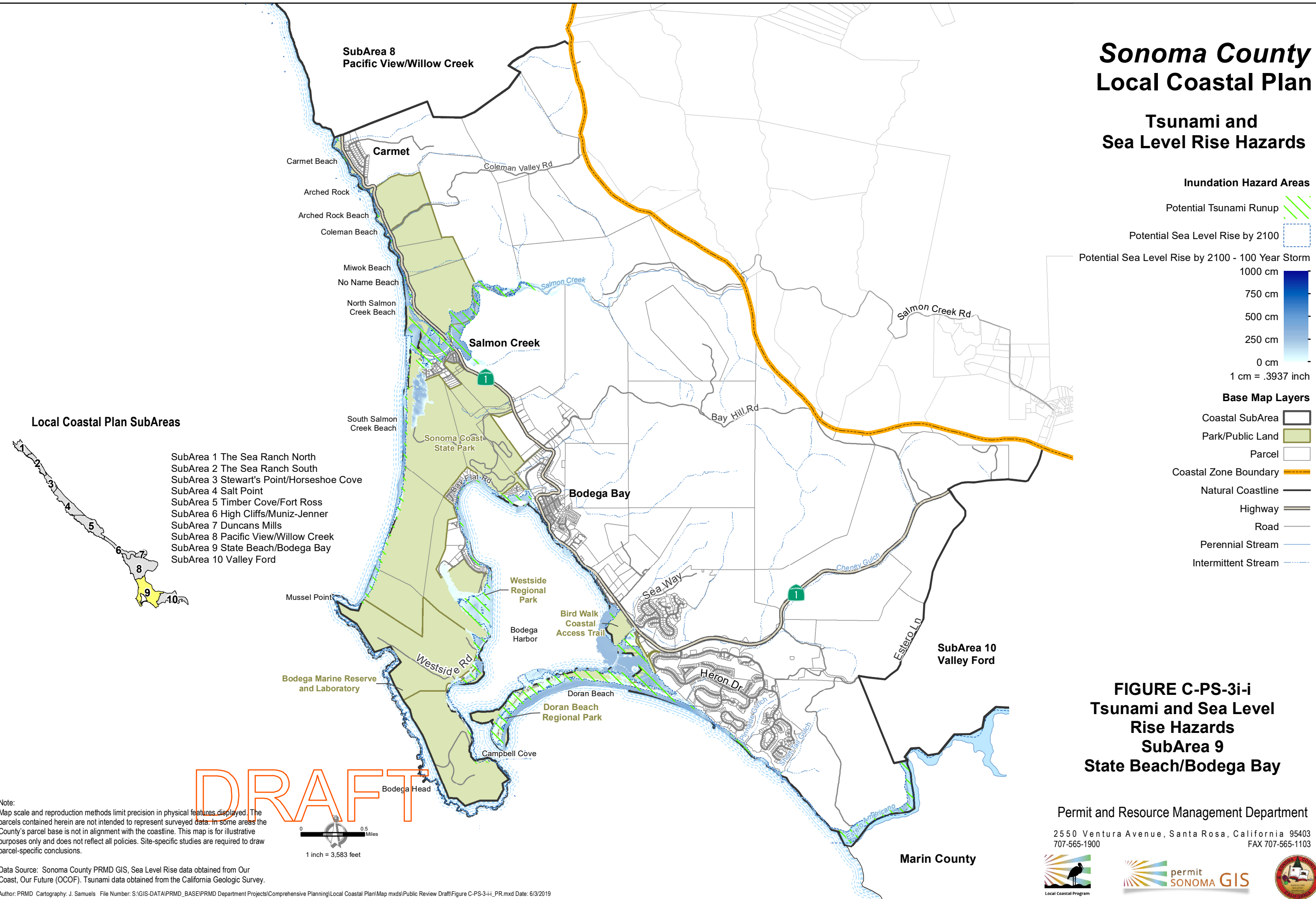
Author: PRMD Cartography: J. Samuels File Number: S:\GIS-DATA\PRMD\_BASE\PRMD Department Projects\Comprehensive Planning\Local Coastal Plan\Map mxd\Public Review Draft\Figure C-PS-3h-ii\_PR.mxd Date: 6/3/2019

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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
- 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

### Inundation Hazard Areas

- Potential Tsunami Runup
- 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
- 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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

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-3-i\_PR.MXD Date: 6/3/2019



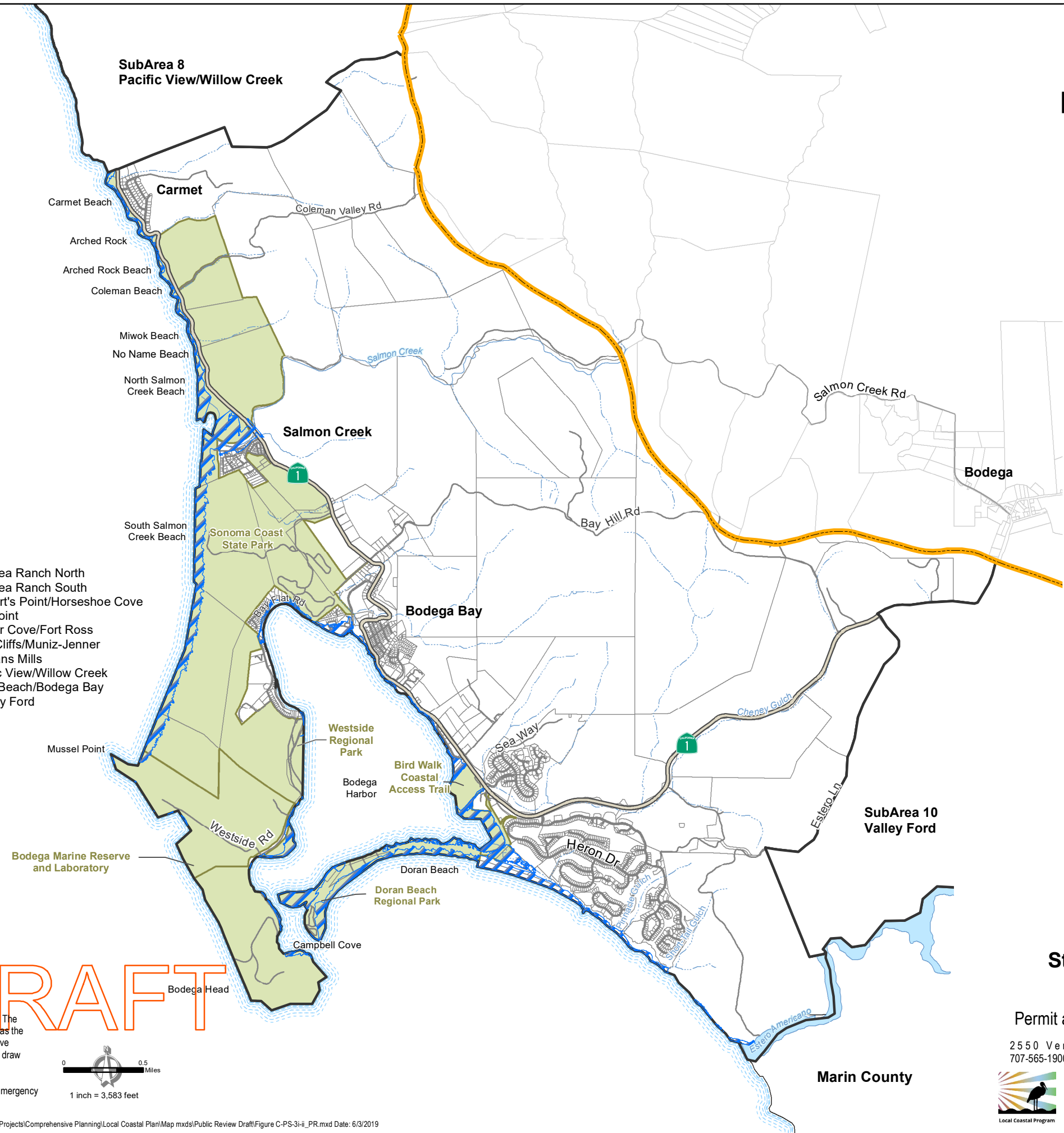
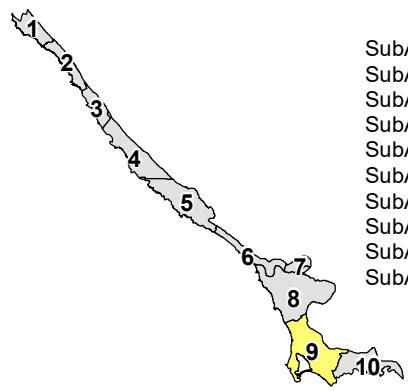


# Sonoma County Local Coastal Plan Flood Hazards

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

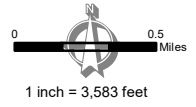
## Local Coastal Plan SubAreas

- 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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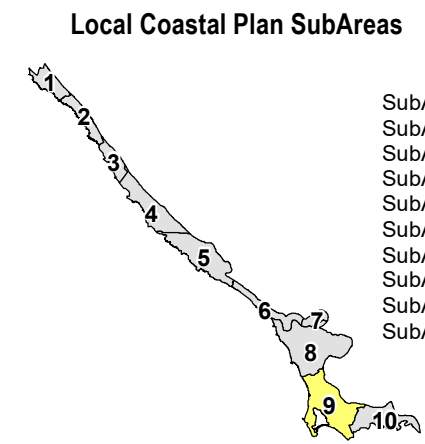
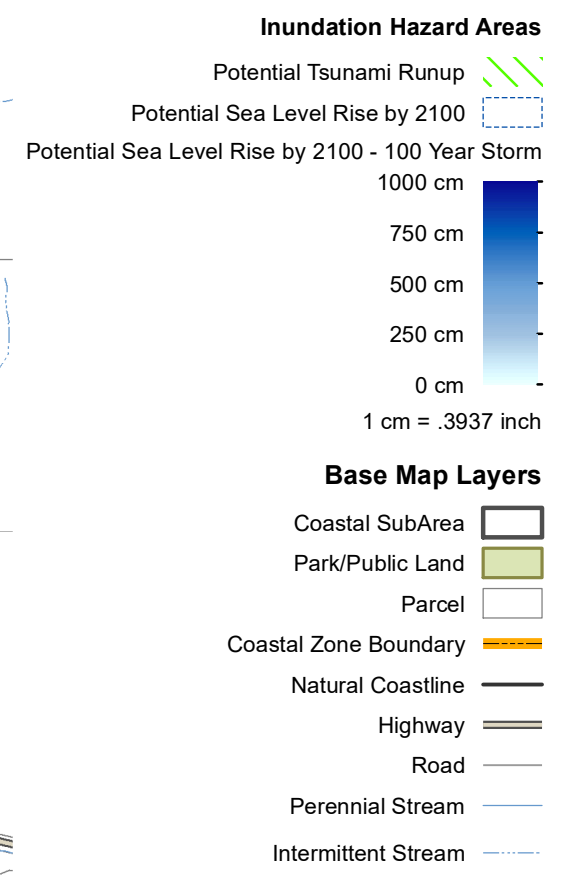


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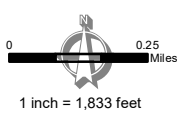


# Sonoma County Local Coastal Plan

## Tsunami and Sea Level Rise Hazards



**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.

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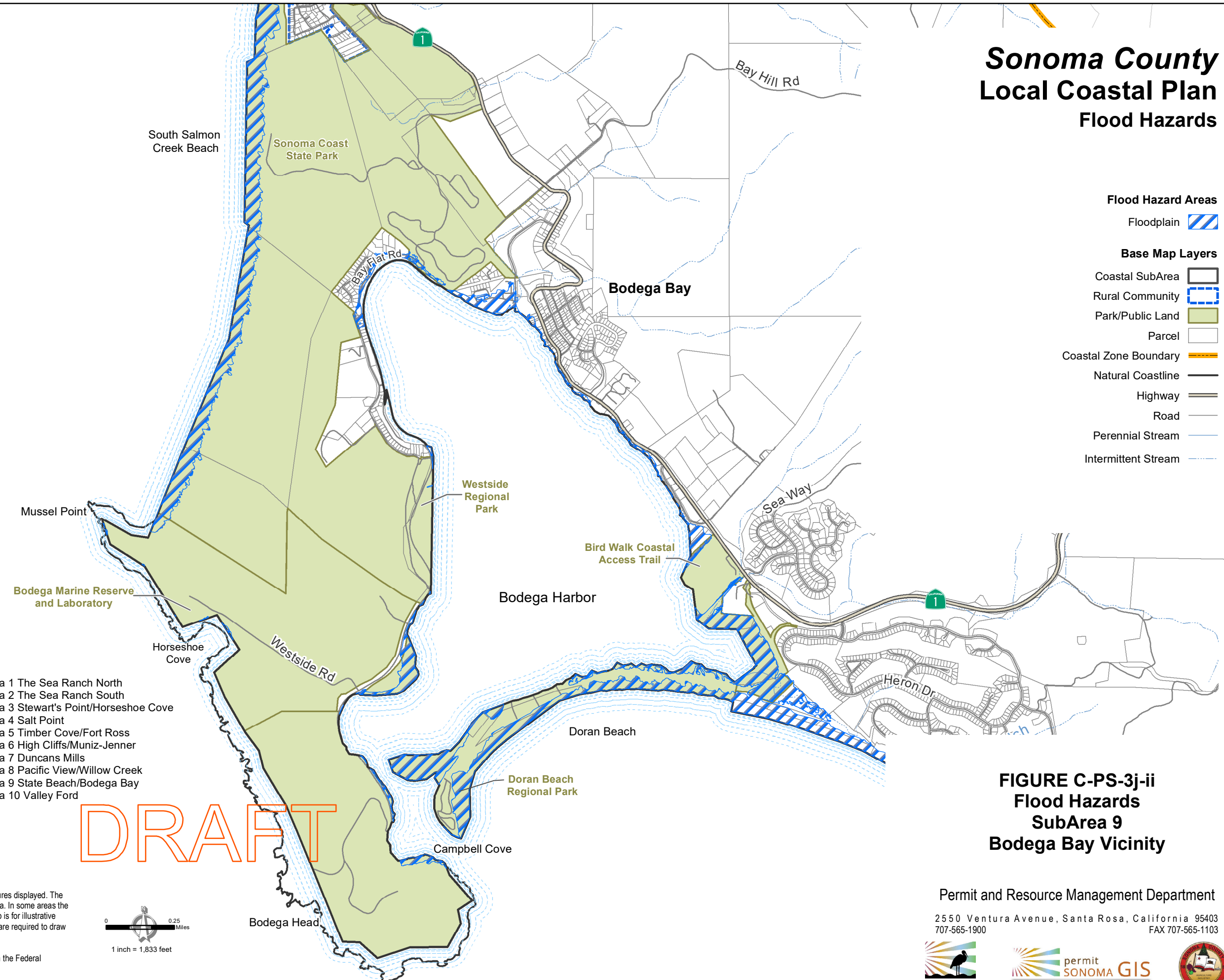
**FIGURE C-PS-3j-i  
Tsunami and Sea Level  
Rise Hazards  
SubArea 9  
Bodega Bay Vicinity**

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# Sonoma County Local Coastal Plan Flood Hazards



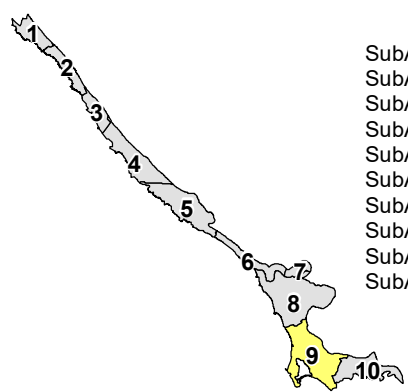
### Flood Hazard Areas

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

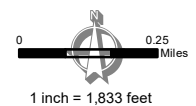


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- SubArea 2 The Sea Ranch South
- SubArea 3 Stewart's Point/Horseshoe Cove
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- SubArea 5 Timber Cove/Fort Ross
- SubArea 6 High Cliffs/Muniz-Jenner
- SubArea 7 Duncans Mills
- SubArea 8 Pacific View/Willow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

DRAFT

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

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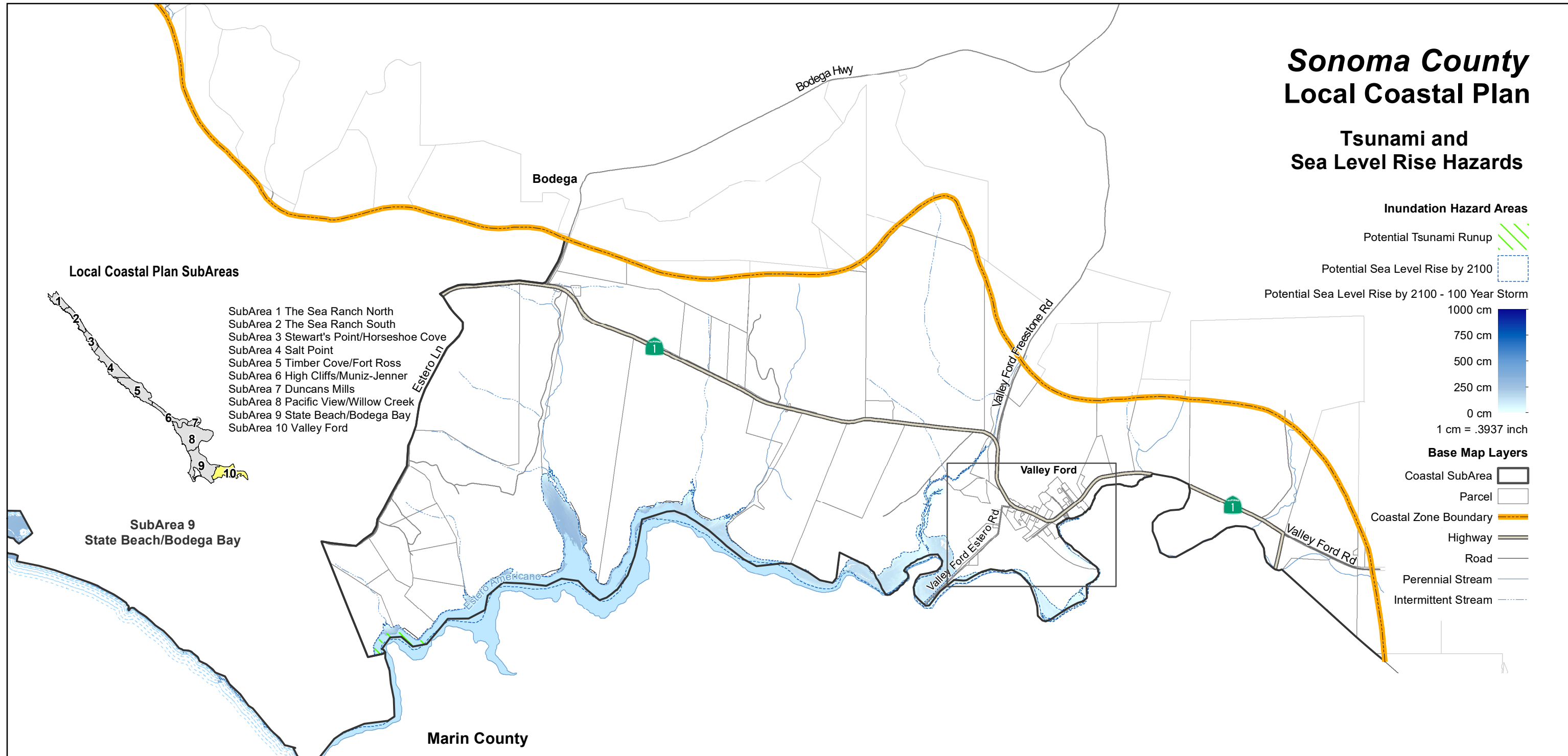
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# Sonoma County Local Coastal Plan

## Tsunami and Sea Level Rise Hazards



**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.

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

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