

SUMMARY OF ASSETS SELECTED FOR ASSET VULNERABILITY PROFILING

ASSET NUMBER 1

Asset Type: County Trail	Vulnerable to
Location: Half Moon Bay	No SLR Scenario: Yes
Asset Name: Coastal Trail at Mirada Surf West	Medium SLR Scenario: Yes
BCDC Asset Category: Parks and recreation areas	High SLR Scenario: Yes
Class: 1	Future Erosion Scenario: Yes

ASSET NUMBER 2

Asset Type: Wastewater Treatment Plant	Vulnerable to
Location: Half Moon Bay	No SLR Scenario: No
Asset Name: Mid Coastside Sewer Authority WWTP	Medium SLR Scenario: No
BCDC Asset Category: Wastewater	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 3

Asset Type: Highway	Vulnerable to
Location: Half Moon Bay	No SLR Scenario: No
Asset Name: State Route 1	Medium SLR Scenario: No
BCDC Asset Category: Ground transportation	High SLR Scenario: No
Class: 4	Future Erosion Scenario: Yes

ASSET NUMBER 4

Asset Type: Rocky Intertidal	Vulnerable to
Location: Unincorporated, Moss Beach	No SLR Scenario: Yes
Asset Name: Fitzgerald Marine Reserve	Medium SLR Scenario: Yes
BCDC Asset Category: N/A	High SLR Scenario: Yes
Class: N-R	Future Erosion Scenario: Yes

ASSET NUMBER 5

Asset Type: Highway	Vulnerable to
Location: Pacifica	No SLR Scenario: No
Asset Name: State Route 1	Medium SLR Scenario: Yes
BCDC Asset Category: Ground transportation	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: Yes

ASSET NUMBER 6

Asset Type: Beach	Vulnerable to
Location: Pacifica	No SLR Scenario: Yes
Asset Name: Linda Mar/Pacifica State Beach	Medium SLR Scenario: Yes
BCDC Asset Category: N/A	High SLR Scenario: Yes
Class: N-B	Future Erosion Scenario: Yes

ASSET NUMBER 7

Asset Type: Solid Waste Facility (closed landfill)	Vulnerable to
Location: Daly City	No SLR Scenario: No
Asset Name: Mussel Rock Disposal Site/Dolger	Medium SLR Scenario: No
BCDC Asset Category: Contaminated lands	High SLR Scenario: No
Class: 4	Future Erosion Scenario: Yes



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ASSET NUMBER 8

Asset Type: Harbor/Marina (closed landfill)	Vulnerable to
Location: South San Francisco	No SLR Scenario: Yes
Asset Name: Oyster Point Marina	Medium SLR Scenario: Yes
BCDC Asset Category: Parks and recreation areas	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 9

Asset Type: Pump Station	Vulnerable to
Location: South San Francisco	No SLR Scenario: No
Asset Name: TBD: Unnamed Pump Station	Medium SLR Scenario: No
BCDC Asset Category: Stormwater infrastructure	High SLR Scenario: Yes
Class: 3	Future Erosion Scenario: No

ASSET NUMBER 10

Asset Type: Wastewater treatment plant	Vulnerable to
Location: South San Francisco	No SLR Scenario: No
Asset Name: South San Francisco Water Quality Control Plant	Medium SLR Scenario: Yes
BCDC Asset Category: Wastewater	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 11

Asset Type: Public Transportation Infrastructure (depot)	Vulnerable to
Location: South San Francisco	No SLR Scenario: No
Asset Name: SamTrans Island (SamTrans North Base Facility)	Medium SLR Scenario: Yes
BCDC Asset Category: Ground transportation	High SLR Scenario: Yes
Class: 3	Future Erosion Scenario: No

ASSET NUMBER 12

Asset Type: Flood Control Infrastructure (tidegate)	Vulnerable to
Location: Millbrae	No SLR Scenario: No
Asset Name: Highline Canal Tide Gate	Medium SLR Scenario: Yes
BCDC Asset Category: Structural shorelines	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 13

Asset Type: Public Transportation Infrastructure (rail)	Vulnerable to
Location: Millbrae	No SLR Scenario: No
Asset Name: Caltrain/BART near SFO	Medium SLR Scenario: Yes
BCDC Asset Category: Ground transportation	High SLR Scenario: Yes
Class: 3	Future Erosion Scenario: No

ASSET NUMBER 14

Asset Type: Fire Station	Vulnerable to
Location: Burlingame	No SLR Scenario: No
Asset Name: Burlingame Fire Station 36	Medium SLR Scenario: Yes
BCDC Asset Category: Community land use, services, and facilities	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No



SUMMARY OF ASSETS SELECTED FOR ASSET VULNERABILITY PROFILING

ASSET NUMBER 15

Asset Type: Highway	Vulnerable to
Location: San Mateo, Foster City	No SLR Scenario: Yes
Asset Name: Highway 92 as it crosses 101 into Foster City	Medium SLR Scenario: Yes
BCDC Asset Category: Ground transportation	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 16

Asset Type: Police Station	Vulnerable to
Location: San Mateo	No SLR Scenario: No
Asset Name: San Mateo Police Department	Medium SLR Scenario: Yes
BCDC Asset Category: Community land use, services, and facilities	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 17

Asset Type: Wastewater Treatment Plant	Vulnerable to
Location: Redwood City	No SLR Scenario: Yes
Asset Name: Silicon Valley Clean Water	Medium SLR Scenario: Yes
BCDC Asset Category: Wastewater	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 18

Asset Type: Wetlands	Vulnerable to
Location: Redwood City	No SLR Scenario: Yes
Asset Name: South Bay Salt Ponds, Bair Island Area Wetlands	Medium SLR Scenario: Yes
BCDC Asset Category: N/A	High SLR Scenario: Yes
Class: N-W	Future Erosion Scenario: No

ASSET NUMBER 19

Asset Type: Solid Waste Facility (transfer station)	Vulnerable to
Location: San Carlos	No SLR Scenario: Yes
Asset Name: Shoreway Environmental Center/Recology	Medium SLR Scenario: Yes
BCDC Asset Category: Hazardous material sites	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 20

Asset Type: Airport	Vulnerable to
Location: San Carlos	No SLR Scenario: Yes
Asset Name: San Carlos Airport	Medium SLR Scenario: Yes
BCDC Asset Category: Airport	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 21

Asset Type: Seaport	Vulnerable to
Location: Redwood City	No SLR Scenario: No
Asset Name: Port of Redwood City	Medium SLR Scenario: Yes
BCDC Asset Category: Seaport	High SLR Scenario: Yes
Class: 3	Future Erosion Scenario: No



SUMMARY OF ASSETS SELECTED FOR ASSET VULNERABILITY PROFILING

ASSET NUMBER 22

Asset Type: Homeless Shelter	Vulnerable to
Location: Redwood City	No SLR Scenario: No
Asset Name: InnVision Shelter Network; Maple Street	Medium SLR Scenario: Yes
BCDC Asset Category: Community land use, services, and facilities	High SLR Scenario: Yes
Class: 3	Future Erosion Scenario: No

ASSET NUMBER 23

Asset Type: Hospital	Vulnerable to
Location: Redwood City	No SLR Scenario: No
Asset Name: Kaiser Permanente Redwood City Medical Center	Medium SLR Scenario: Yes
BCDC Asset Category: Community land use, services, and facilities	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 24

Asset Type: Substation	Vulnerable to
Location: Menlo Park	No SLR Scenario: No
Asset Name: Ravenswood Substation	Medium SLR Scenario: Yes
BCDC Asset Category: Energy, pipelines, and telecommunication infrastru	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 25

Asset Type: Highway	Vulnerable to
Location: Menlo Park	No SLR Scenario: Yes
Asset Name: State Route 84/101	Medium SLR Scenario: Yes
BCDC Asset Category: Ground transportation	High SLR Scenario: Yes
Class: 4	Future Erosion Scenario: No

ASSET NUMBER 26

Asset Type: Disadvantaged Community	Vulnerable to
Location: East Palo Alto	No SLR Scenario: Yes
Asset Name: East Palo Alto	Medium SLR Scenario: Yes
BCDC Asset Category: N/A	High SLR Scenario: Yes
Class: N/A	Future Erosion Scenario: No



SUMMARY OF ASSETS SELECTED FOR ASSET VULNERABILITY PROFILING

ASSETS REMAIN TO BE SELECTED FOR THE FOLLOWING TYPES

Asset Type: Affordable Housing/Mobile Home Park

Asset Type: Business

Asset Type: Communication Infrastructure

Asset Type: Flood Control Infrastructure (levee)

Asset Type: Oil and Gas Infrastructure

Asset Type: Pump Station

Asset Type: School

Asset Type: Senior Center

Asset Type: Species of Concern

Notes:

- (1) Asset numbers correspond to the numbers on the asset location map; these were assigned geographically and do not imply any asset prioritization.
- (2) This draft asset selection is subject to change; final asset selection will be done after any additional input from the Technical Working Group is considered.
- (3) N/A = Not applicable (The San Mateo County Vulnerability Assessment considers a broader range of categories than are represented in BCDC's asset categorization as well as assets that are not addressed ASCE's risk classification.)
- (4) SLR scenarios are:
 - No SLR Scenario = Present day mean high high water (MHHW) with 1% Annual Exceedance Probability (AEP) and no SLR
 - Medium SLR Scenario = MHHW with 1% AEP and 3.3 feet of SLR
 - High SLR Scenario = MHHW with 1% AEP and 6.6 feet of SLR
- (5) Risk Classes are:
 - Class 1: Asset represents a low risk to human health in the event of failure (flood)
 - Class 2: All assets except those listed in categories 1, 3, and 4
 - Class 3: (a) Asset failure which could pose a substantial risk to human health. (b) Assets with the potential to cause a substantial economic impact and/or mass disruption of day to day civilian life in the event of a flood.
 - Class 4: (a) Essential facilities. (b) Assets whose failure could pose substantial hazard to the community. (c) Assets containing highly toxic substances, dangerous to the public (d) Assets required to maintain function of other category 4 structures.

