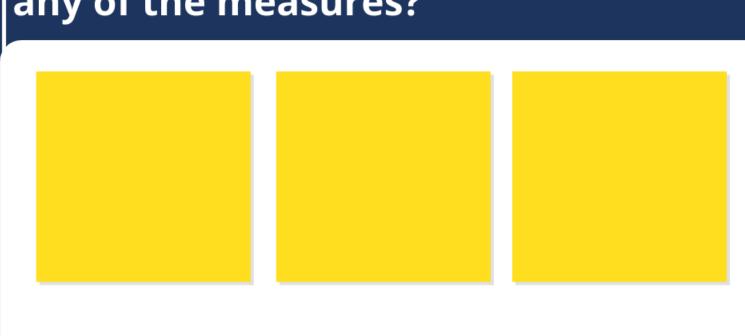
AQUATIC PARK + FISHERMAN'S WHARF SUBAREAS

REPORT OUT NOTES 1. What are the most important considerations for evaluating measures?





ASSET LEGEND

1. Emergency Fire Water Supply Pump

2. Police Dept. / Port Joint Operations & Security

Critical Facilities 3. Galileo High School

4. Francisco Middle School

Historic & Cultural

5. Hyde Street Pier 6. Pier 39

Open Space & Ecology 7. Dolphin Club + South End Rowing Club

8. Bay Trail

9. Jefferson Street Plaza 10. Pier 43 Promenade

11. Sea Lion Viewing Area

12. Fish Alley

13. Pier 45

14. Red and White Fleet 15. Belt Railroad Headhouse

16. Pier 39 Marina 17. Blue and Gold Ferry Terminal

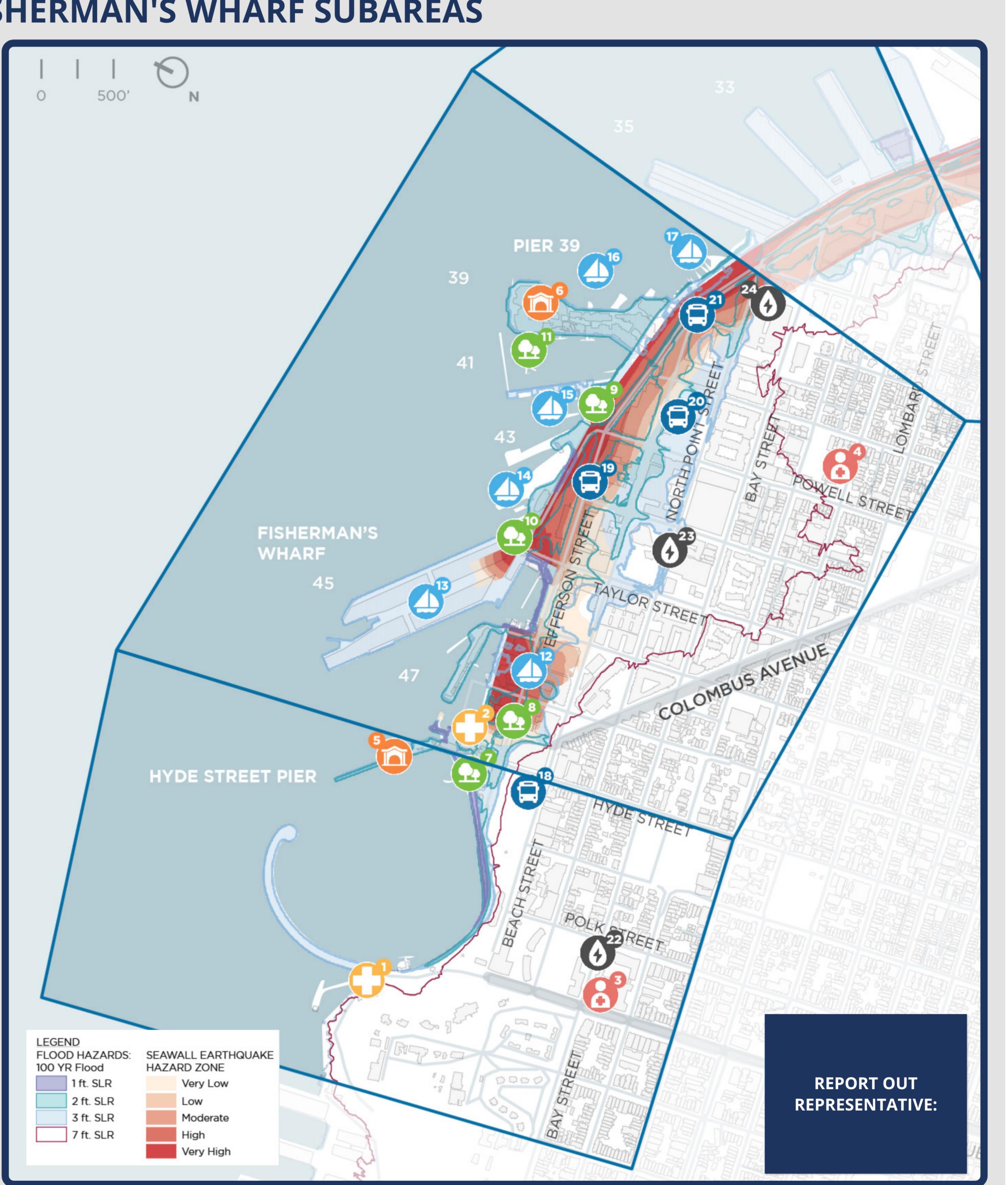
8. Hyde Street Cable Car Turnaround

19. Muni E/F Line

20. Kirkland Yard 21. Embarcadero Roadway

23. Jackson Transport / Storage Box

24. North Point Wet Weather Facility and Northshore Pump Station

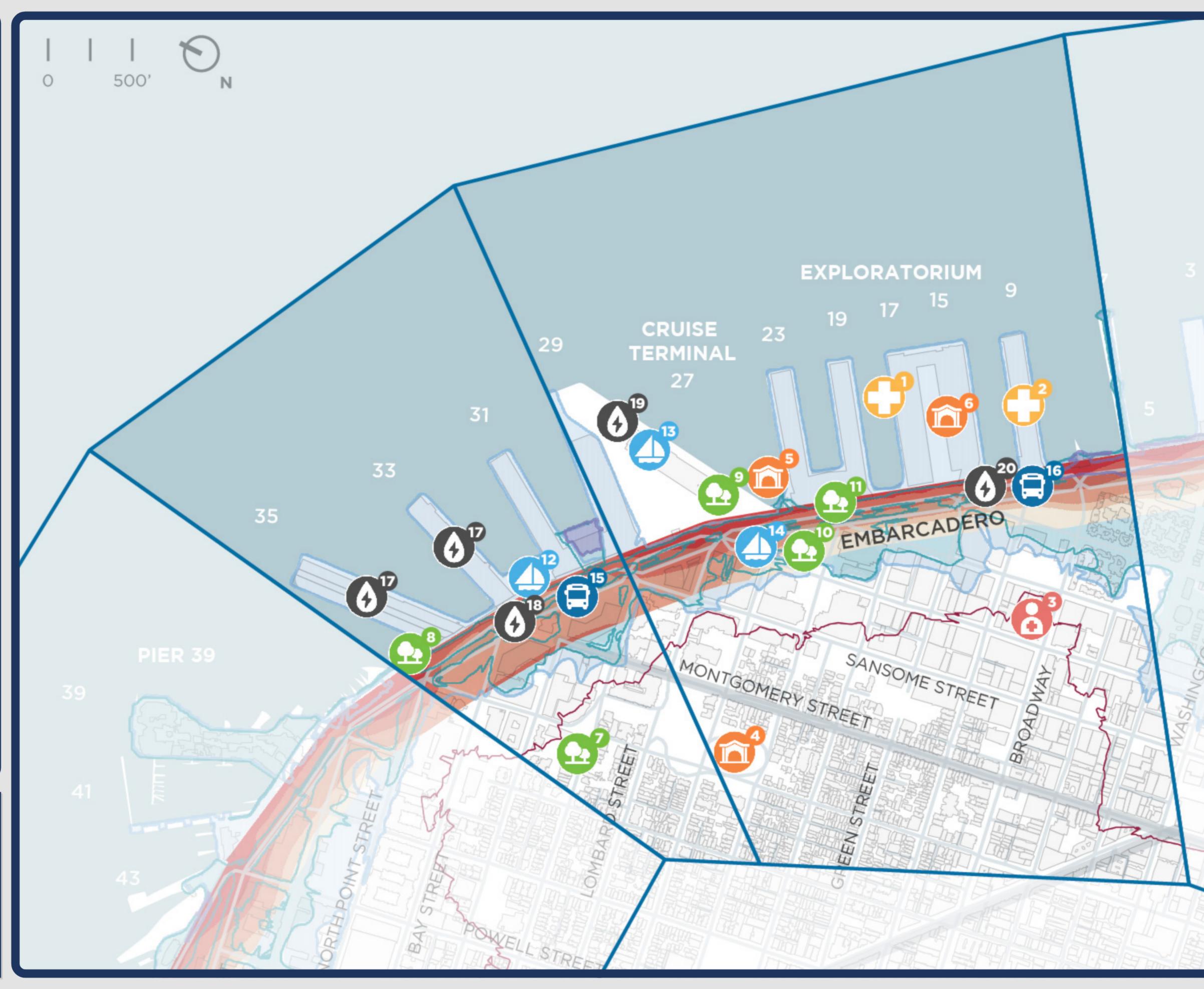


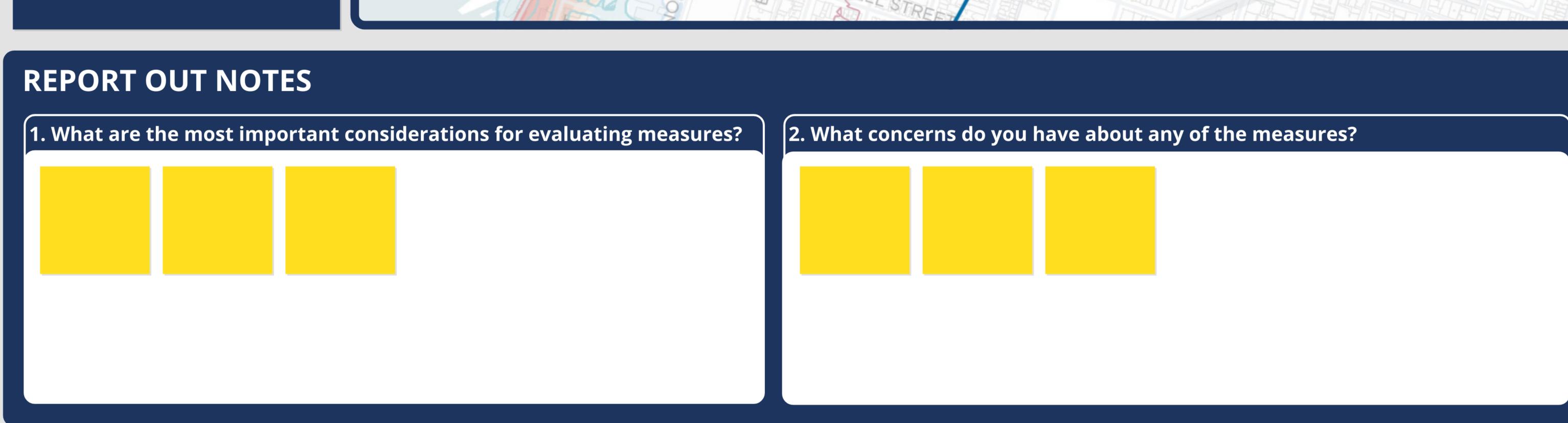
				DESIGN LIFE	ADAPT- ABILITY	IMPACT ON THE WATERFRONT	COST	COMPATIBLE MEASURES	
FLOOD MEASURES	PHYSICAL INFRASTRUCTURE	1	LEVEES	75+ years	Low	Major Intervention	\$\$\$\$\$	Nearshore Buttress, Bulkhead Wharf Retrofit, Ecological Features	
		2	SEAWALLS	50-100 years	Varies	Major Intervention	\$\$\$	Nearshore Buttress, Drilled Shafts, Ecological Shorelines	
		3	RAISED MARINE STRUCTURES	50+ years	Medium	Major Intervention	\$\$\$\$	Drilled Shafts, Ecological Features	
		4	FLOODWALLS	30-50 years	Low	Minor Intervention	\$\$	Bulkhead Wharf Retrofit, Drilled Shafts	
	ECO. INFRA.	5	FEATURES	Beaches, Veget 10-50+ years	Medium- High	Minor Intervention	\$ *	All Flood Measures and Seismic Measures	
	ECO. I		ECOLOGICAL SHORELINES	Stepped Slopes (Major Intervention), Vegetated Revetments, Vegetated Crib Walls, Natural Fiber Blankets, Gabion Baskets					
				Decades	Medium- High	Typically Minor Intervention	\$ *	All Flood Measures and Seismic Measures	
SEISMIC MEASURES	SHORELINE	7	NEARSHORE BUTTRESS	100+ years	Very High	Major Waterside Intervention	\$\$\$\$\$	Levees, Seawalls, Ecological Features	
		8	DRILLED SHAFTS	75+ years	Medium	Moderate Landside Intervention	\$\$\$	Raised Marine Structures, Floodwalls, Seawalls	
	TARGETED MEASURES	V	BULKHEAD WHARF RETROFIT	30 years	Low	Minor Waterside Intervention	\$\$	Levees, Floodwalls, Ecological Features	
		_							
+ GOOT	SEISMIC	10	EMERGENCY PREPAREDNESS			No physical impact	\$	All Flood Measures and Seismic Measures	
ш	*Must be combined with other measures to provide flood protection								

PIER 31-35 + NORTHEAST WATERFRONT SUBAREAS



REPORT OUT REPRESENTATIVE:





			DESIGN LIFE	ADAPT- ABILITY	IMPACT ON THE WATERFRONT	COST	COMPATIBLE MEASURES	
FLOOD MEASURES	PHYSICAL INFRASTRUCTURE	1 LEVEES	75+ years	Low	Major Intervention	\$\$\$\$\$	Nearshore Buttress, Bulkhead Wharf Retrofit, Ecological Features	
		2 SEAWALLS	50-100 years	Varies	Major Intervention	\$\$\$	Nearshore Buttress, Drilled Shafts, Ecological Shorelines	
		3 RAISED MARINE STRUCTURES	50+ years	Medium	Major Intervention	\$\$\$\$	Drilled Shafts, Ecological Features	
		4 FLOODWALLS	30-50 years	Low	Minor Intervention	\$\$	Bulkhead Wharf Retrofit, Drilled Shafts	
	INFRA.	FEATURES	Beaches, Veget 10-50+ years	Medium- High	Minor Intervention	\$*	All Flood Measures and Seismic Measures	
	ECO.	6 ECOLOGICAL SHORELINES	Stepped Slopes (Major Intervention), Vegetated Revetments, Vegetated Crib Walls, Natural Fiber Blankets, Gabion Baskets					
	EC		Decades	Medium- High	Typically Minor Intervention	\$ *	All Flood Measures and Seismic Measures	
SEISMIC MEASURES	SHORELINE	7 NEARSHORE BUTTRESS	100+ years	Very High	Major Waterside Intervention	\$\$\$\$\$	Levees, Seawalls, Ecological Features	
		8 DRILLED SHAFTS	75+ years	Medium	Moderate Landside Intervention	\$\$\$	Raised Marine Structures, Floodwalls, Seawalls	
	TARGETED MEASURES		30 years	Low	Minor Waterside Intervention	\$\$	Levees, Floodwalls, Ecological Features	
FLOOD +	SEISMIC	10 EMERGENCY PREPAREDNESS			No physical impact	\$	All Flood Measures and Seismic Measures	
			"iviust be comb	inea with other	measures to provide flood	protection		

FERRY BUILDING SUBAREA

REPORT OUT NOTES

1. What are the most important considerations for evaluating measures?



2. What concerns do you have about any of the measures?

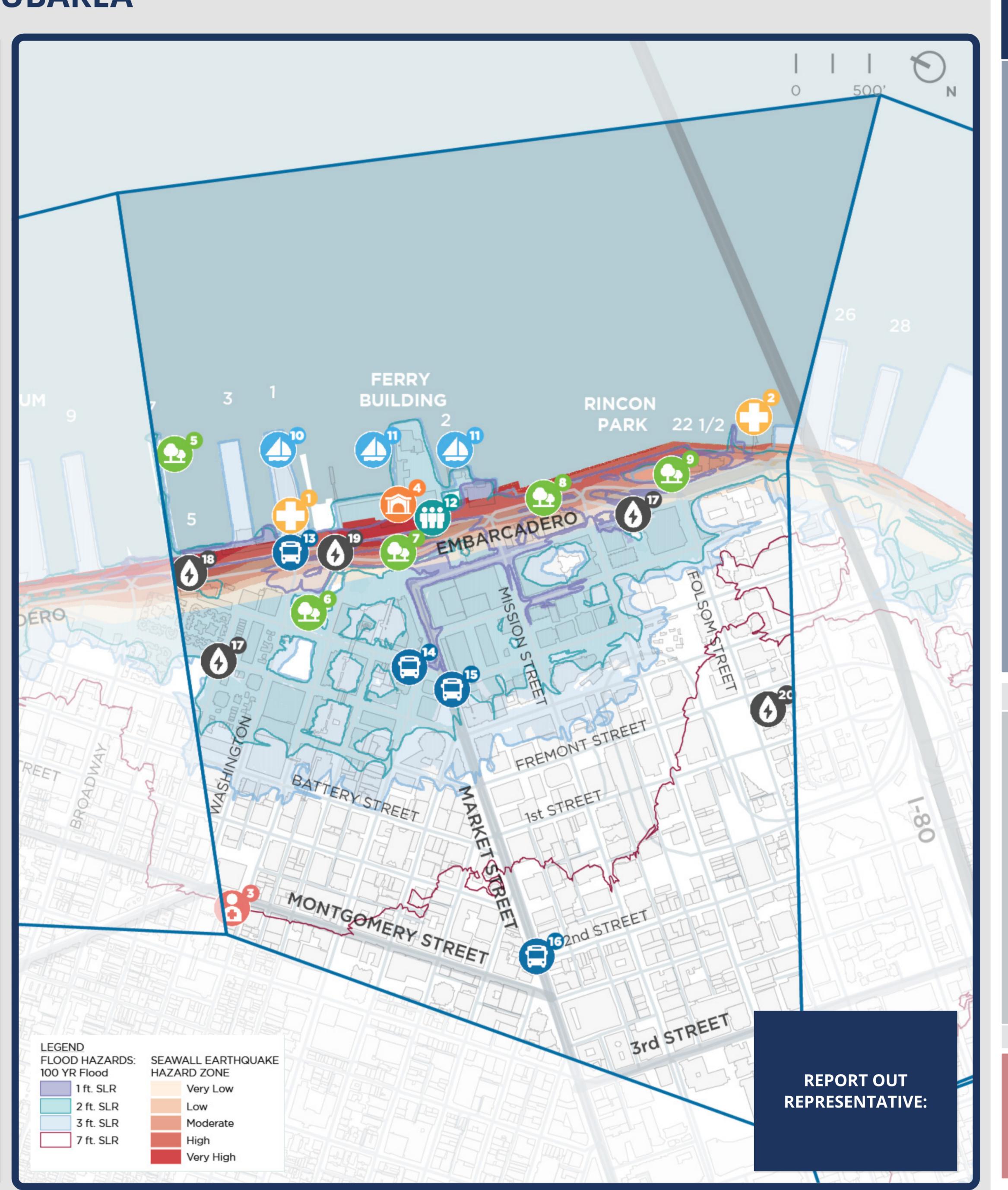


ASSET LEGEND

- Disaster Response
 - 1. Primary Port Dept. Operations Center 2. Fireboat Headquarters, Fire Station 35
- Critical Facilities
- 3. Edwin & Anita Lee Newcomer School Historic & Cultural
- 4. Ferry Building
- Open Space & Ecology
 - 5. Pier 7 6. Sue Bierman Park
 - 7. Ferry Plaza, Harry Bridges Plaza, & Embarcadero Plaza
 - 8. Bay Trail & Promenade
- 9. Rincon Park
- 10. Port of San Francisco 11. Ferry terminals
- Community Assets 12. Farmer's market
- Transportation

 17 Muni L DV & Emb
 - 13. Muni LRV & Embarcadero roadway 14. California Street Cable Car
 - 15. Embarcadero BART station 16. Montgomery BART station
- 4 Utilities

 - 17. Jackson Transport / Storage Box 18. Channel Transport / Storage Box
 - 19. North Shore Force Main
 - 20. Embarcadero PG&E Substation



				DESIGN LIFE	ADAPT- ABILITY	IMPACT ON THE WATERFRONT	COST	COMPATIBLE MEASURES		
	PHYSICAL INFRASTRUCTURE	1	LEVEES	75+ years	Low	Major Intervention	\$\$\$\$\$	Nearshore Buttress, Bulkhead Wharf Retrofit, Ecological Features		
		2	SEAWALLS	50-100 years	Varies	Major Intervention	\$\$\$	Nearshore Buttress, Drilled Shafts, Ecological Shorelines		
MEASURES		3	RAISED MARINE STRUCTURES	50+ years	Medium	Major Intervention	\$\$\$\$	Drilled Shafts, Ecological Features		
FLOOD I		4	FLOODWALLS	30-50 years	Low	Minor Intervention	\$\$	Bulkhead Wharf Retrofit, Drilled Shafts		
	ECO. INFRA.	5	FEATURES	Beaches, Veget 10-50+ years	Medium- High	Minor Intervention	\$ *	All Flood Measures and Seismic Measures		
		6	ECOLOGICAL SHORELINES	Stepped Slopes (Major Intervention), Vegetated Revetments, Vegetated Crib Walls, Natural Fiber Blankets, Gabion Baskets						
				Decades	Medium- High	Typically Minor Intervention	\$ *	All Flood Measures and Seismic Measures		
SEISMIC MEASURES	SHORELINE STABILIZATION	7	NEARSHORE BUTTRESS	100+ years	Very High	Major Waterside Intervention	\$\$\$\$\$	Levees, Seawalls, Ecological Features		
		8	DRILLED SHAFTS	75+ years	Medium	Moderate Landside Intervention	\$\$\$	Raised Marine Structures, Floodwalls, Seawalls		
	TARGETED MEASURES	V	BULKHEAD WHARF RETROFIT	30 years	Low	Minor Waterside Intervention	\$\$	Levees, Floodwalls, Ecological Features		
+ GOO	SEISMIC	10	PREPAREDNESS The state of the			No physical impact	\$	All Flood Measures and Seismic Measures		
正	S			*Must be comb	ined with other	measures to provide flood	protection			

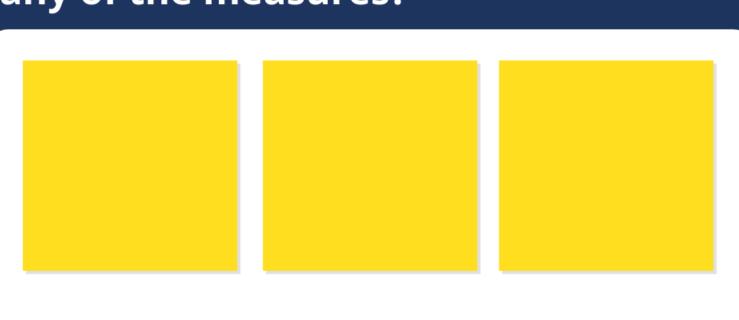
SOUTH BEACH SUBAREA

REPORT OUT NOTES

1. What are the most important considerations for evaluating measures?



2. What concerns do you have about any of the measures?



ASSET LEGEND

 Fire Dept. Headquarters and EFWS Pump Station 1

Critical Facilities 2. 200-Bed Navigation Center

3. SOMA Mental Health

Historic & Cultural 4. Bay Area Assoc. of Disabled Sailors

5. Oracle Park

Open Space & Ecology

6. Bay Trail + Promenade 7. Brannan Street Wharf 8. South Beach Park

9. Bay Water Trail Launch 10. South Beach Park

11. Willie Mays Plaza 12. Giants Promenade

13. Pier 30-32 14. Water Taxi Dock

15. South Beach Harbor

Oracle Park Ferry Terminal

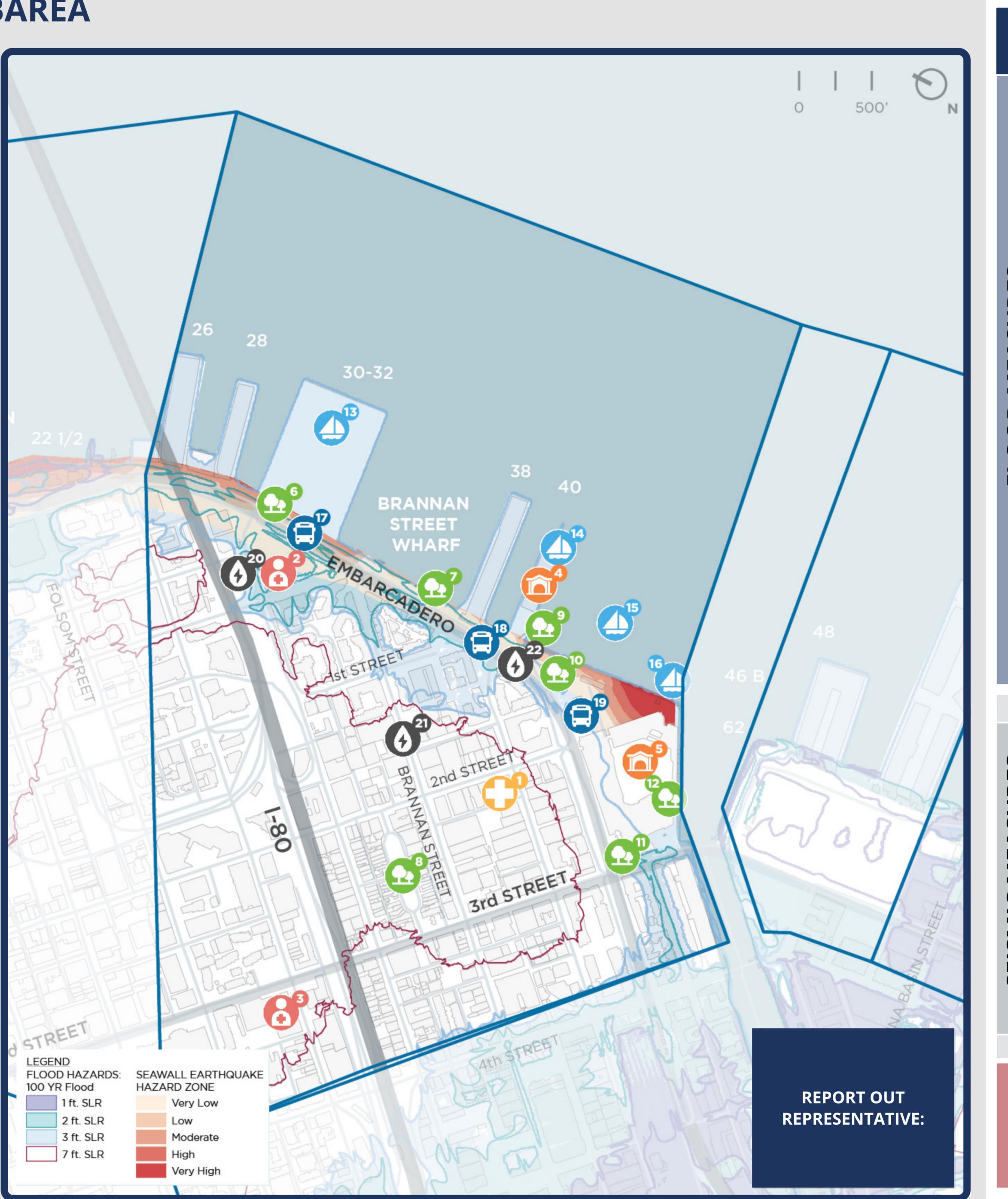
Transportation

17. Muni E/T Line

18. Embarcadero Roadway19. MTA King Street Substation

20. Bay Bridge Pump Station

21. Brannan Street Tunnel 22. Channel Transport / Storage Box



			DESIGN LIFE	ADAPT- ABILITY	IMPACT ON THE WATERFRONT	COST	COMPATIBLE MEASURES		
FLOOD MEASURES		1 LEVEES	75+ years	Low	Major Intervention	\$\$\$\$\$	Nearshore Buttress, Bulkhead Wharf Retrofit, Ecological Features		
		2 SEAWALLS	50-100 years	Varies	Major Intervention	\$\$\$	Nearshore Buttress, Drilled Shafts, Ecological Shorelines		
		3 RAISED MARINE STRUCTURES	50+ years	Medium	Major Intervention	\$\$\$\$	Drilled Shafts, Ecological Features		
		4 FLOODWALLS	30-50 years	Low	Minor Intervention	\$\$	Bulkhead Wharf Retrofit, Drilled Shafts		
		5 ECOLOGICAL FEATURES	Beaches, Veget 10-50+ years	Medium- High	Minor Intervention	\$ *	All Flood Measures and Seismic Measures		
		6 ECOLOGICAL SHORELINES	Stepped Slopes (Major Intervention), Vegetated Revetments, Vegetated Crib Walls, Natural Fiber Blankets, Gabion Baskets						
			Decades	Medium- High	Typically Minor Intervention	\$ *	All Flood Measures and Seismic Measures		
SEISMIC MEASURES	SHORELINE	7 NEARSHORE BUTTRESS	100+ years	Very High	Major Waterside Intervention	\$\$\$\$\$	Levees, Seawalls, Ecological Features		
		8 DRILLED SHAFTS	75+ years	Medium	Moderate Landside Intervention	\$\$\$	Raised Marine Structures, Floodwalls, Seawalls		
	TARGETED MEASURES	9 BULKHEAD WHARF RETROFIT	30 years	Low	Minor Waterside Intervention	\$\$	Levees, Floodwalls, Ecological Features		
FLOOD +	SEISMIC	10 EMERGENCY PREPAREDNESS	*Must be comb	ined with other	No physical impact measures to provide flood	\$ protection	All Flood Measures and Seismic Measures		