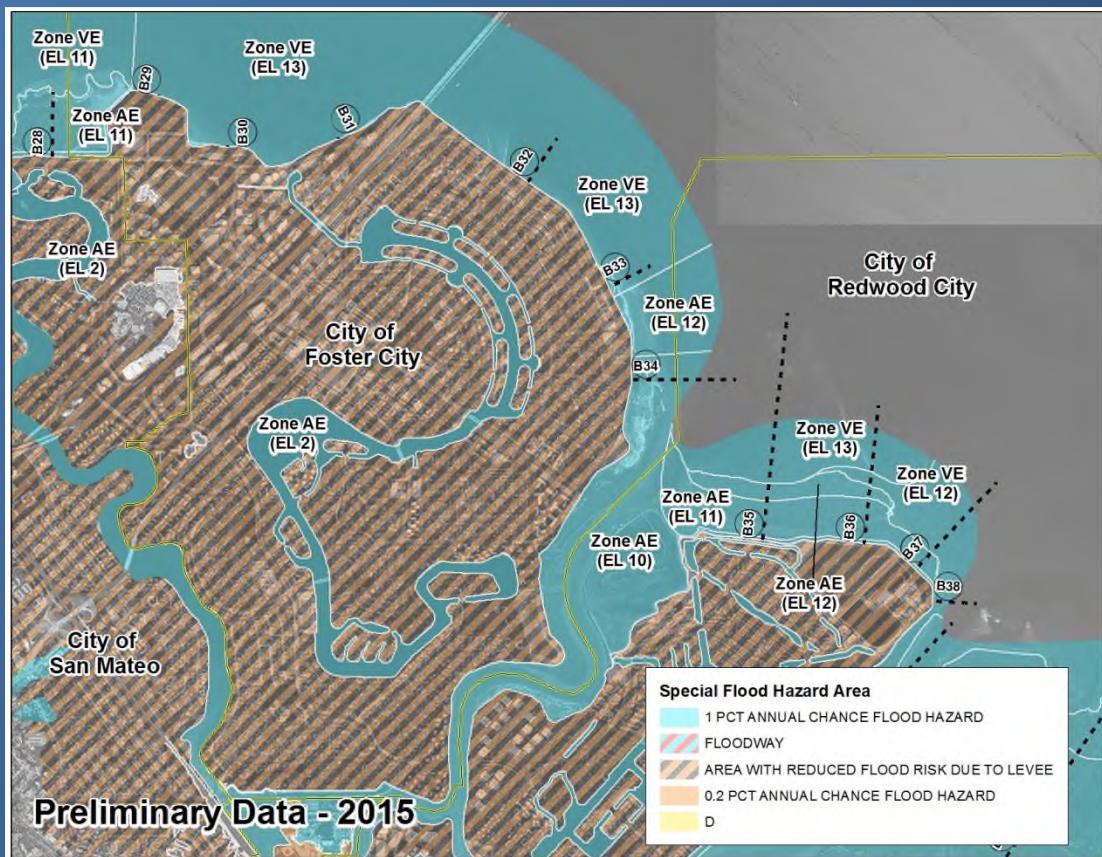
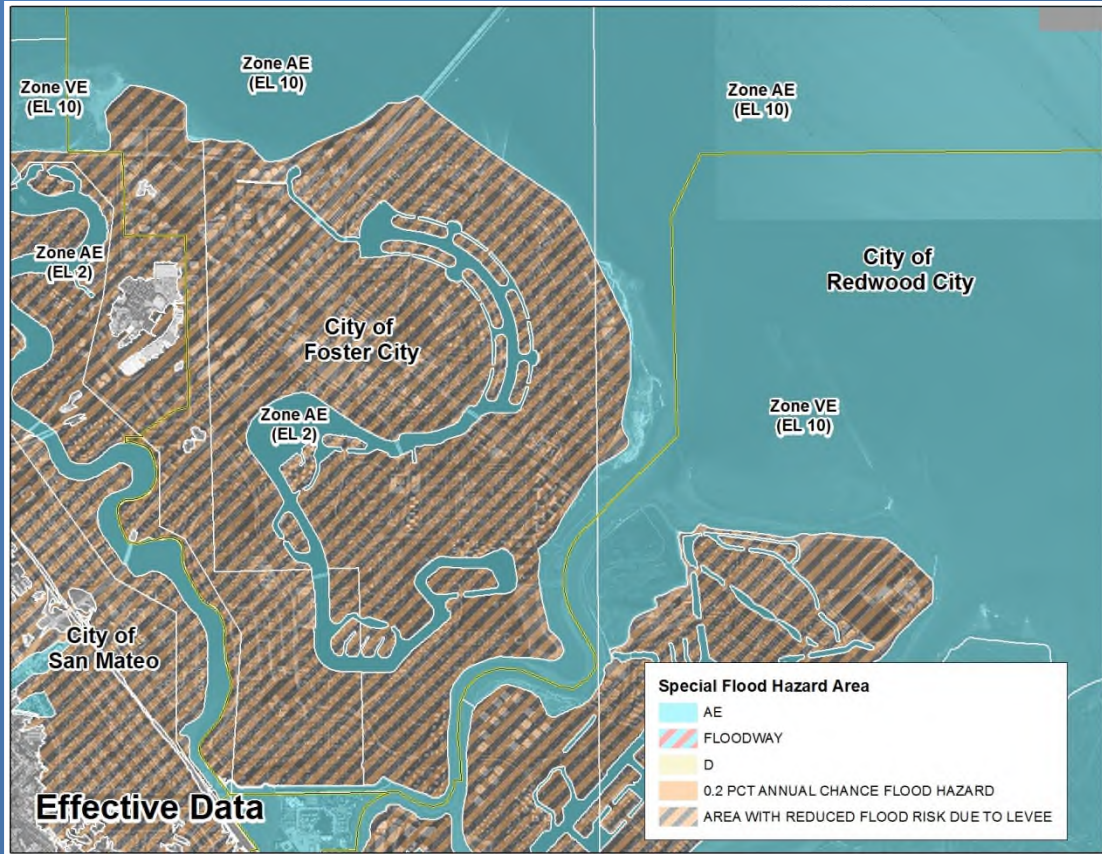


Area of Mitigation Interest San Francisco Bay Area Coastal Study City of Foster City, San Mateo County



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The shoreline along the City of Foster City, California in San Mateo County was re-studied as part of FEMA’s San Francisco Bay Area Coastal (BAC) Study. The BAC Study updated the coastal flood hazard data, which includes local stillwater elevations (SWELs) and wave effects (wave setup and runup). SWELs include the effects of tides, storm surge, and riverine discharges. Total water levels (TWLs) include the effect of both SWELs and waves. The BAC did not update the riverine or lagoon flood mapping for the City of Foster City. The BAC Study analyzed wave hazards along the shoreline using two primary methods, depending on the shoreline type. Shallow-sloped shorelines and inland topography (e.g., marshes, developed areas) were analyzed with overland wave propagation, or WHAFIS. Steep-sloped shorelines were analyzing using wave runup. All of the analyses follow the methods outlined in FEMA’s Guidelines for Coastal Flood Hazard Analysis and Mapping for the Pacific Coast of the United States. The table below presents the 1-percent-annual-chance SWEL and TWL at each transect location.

The current effective FIRM mapped developed areas within the City of Foster City as Zone AE 2, with Zone AE 10 and Zone VE 10 along the Bay shorelines. The BAC Study will result in an updated FIRM that will map the City of Foster City shoreline as Zone AE 10, Zone AE 12, Zone VE 11, and Zone VE 13.

ATTENTION: The mapping within the City of Foster City was not updated as part of the BAC Study. The levee, dike, or other structure that impacts flood hazards within the shaded “Area with Reduced Flood Risk Due to Levee” area has not been shown to comply with 44 CFR Section 65.10 of the National Flood Insurance Program Regulations. As such, the FIRM will be revised at a later date to update the flood hazard information associated with this structure.

The table below presents a summary of the BAC analysis results for each transect within the City of Foster City study area. The updated FIRM Base Flood Elevations (BFEs) are based on this data.

City of Foster City, San Mateo County Transect Summary Results Tables					
Transect ID	Shoreline Type	Analysis Type	1% SWEL (ft. NAVD88)	1% TWL (ft. NAVD88)	VE Zone
B28	Levee	Runup	10.4	11.1	Yes
B29	Levee/Revetment	Runup	10.4	12.6	Yes
B30	Levee/Revetment	Runup	10.4	13.0	Yes
B31	Levee/Revetment	Runup	10.4	13.0	Yes
B32	Levee/Revetment	Runup	10.2	12.8	Yes
B33	Levee/Natural	Runup	10.2	13.1	Yes
B34	Levee/Natural	Runup	10.2	10.2	No

Note: The natural shoreline type indicates a shoreline with no coastal armoring structure, such as a revetment or seawall. “VE Zone” indicates that the area subject to inundation by the 1-percent-annual-chance flood event also experiences additional hazards due to storm-induced waves.