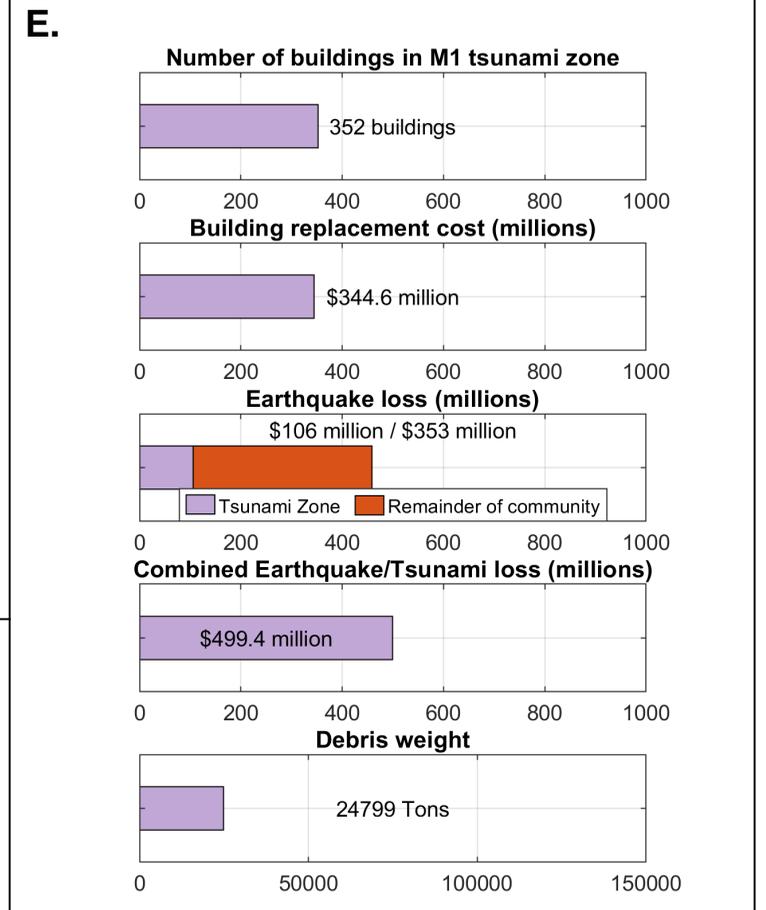
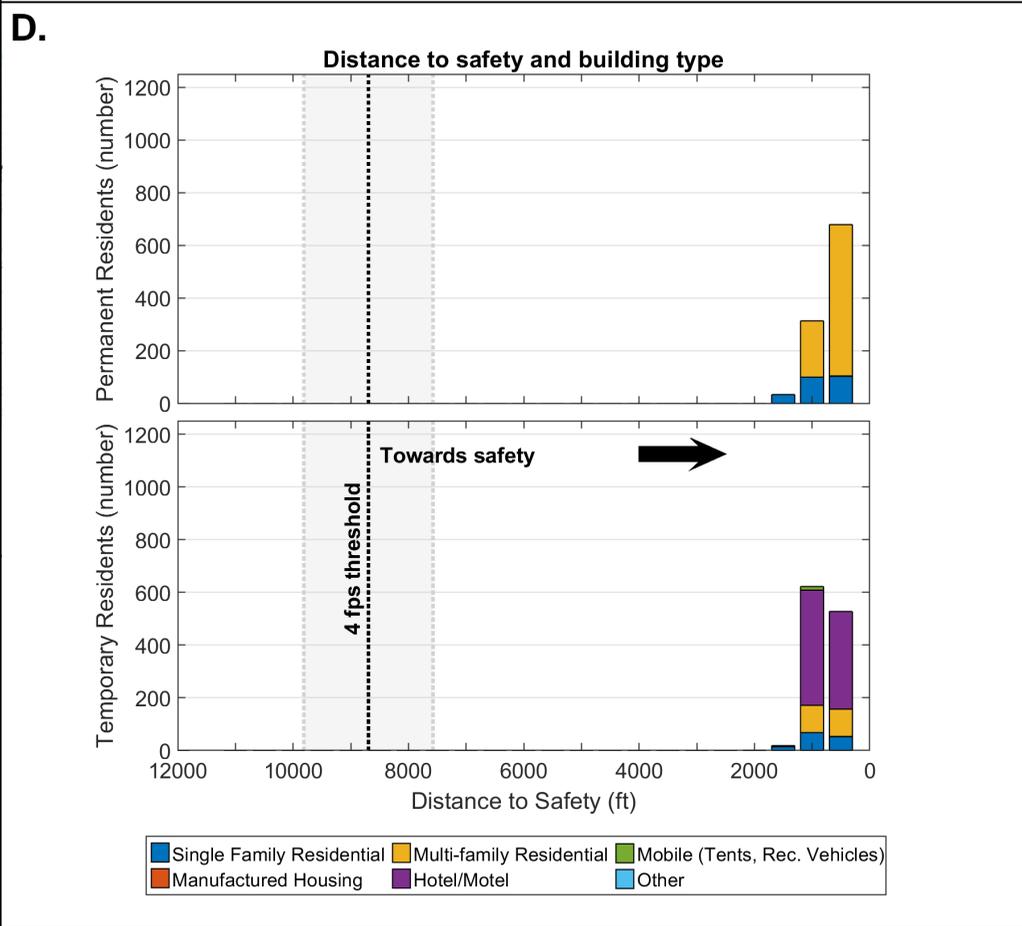
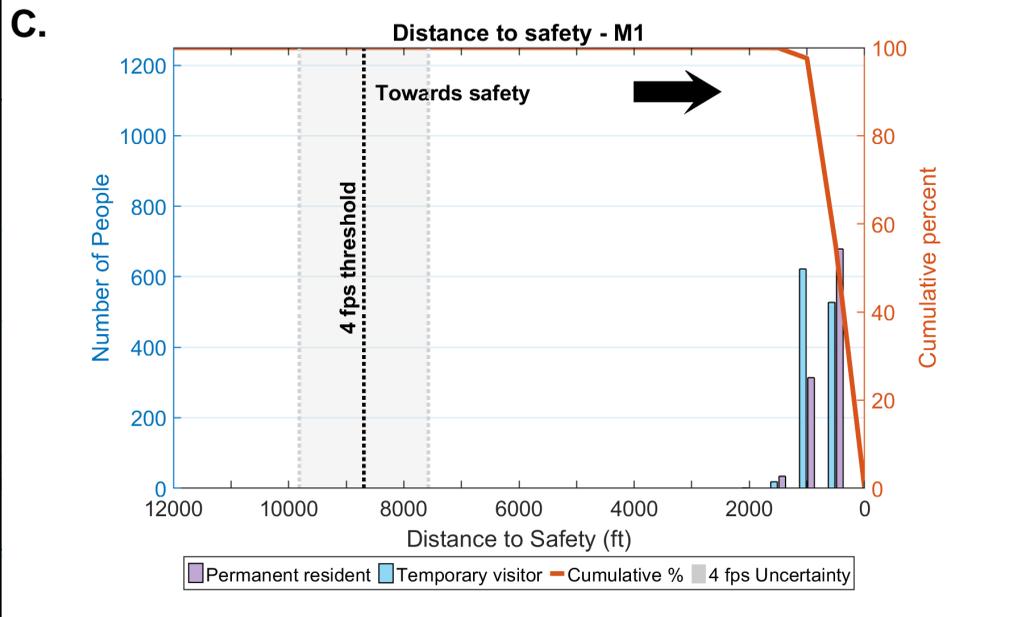
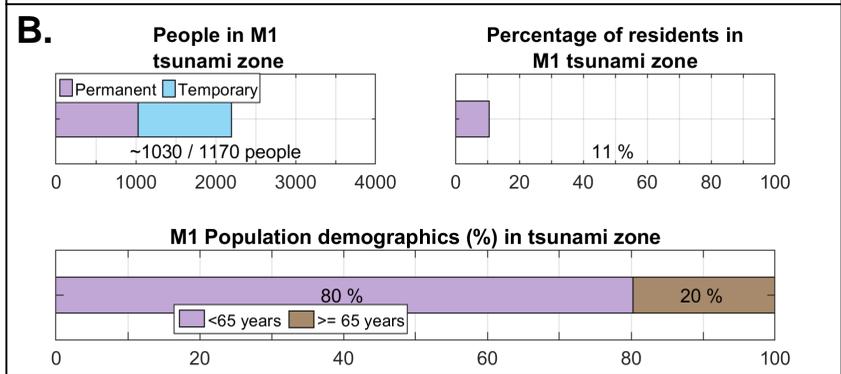
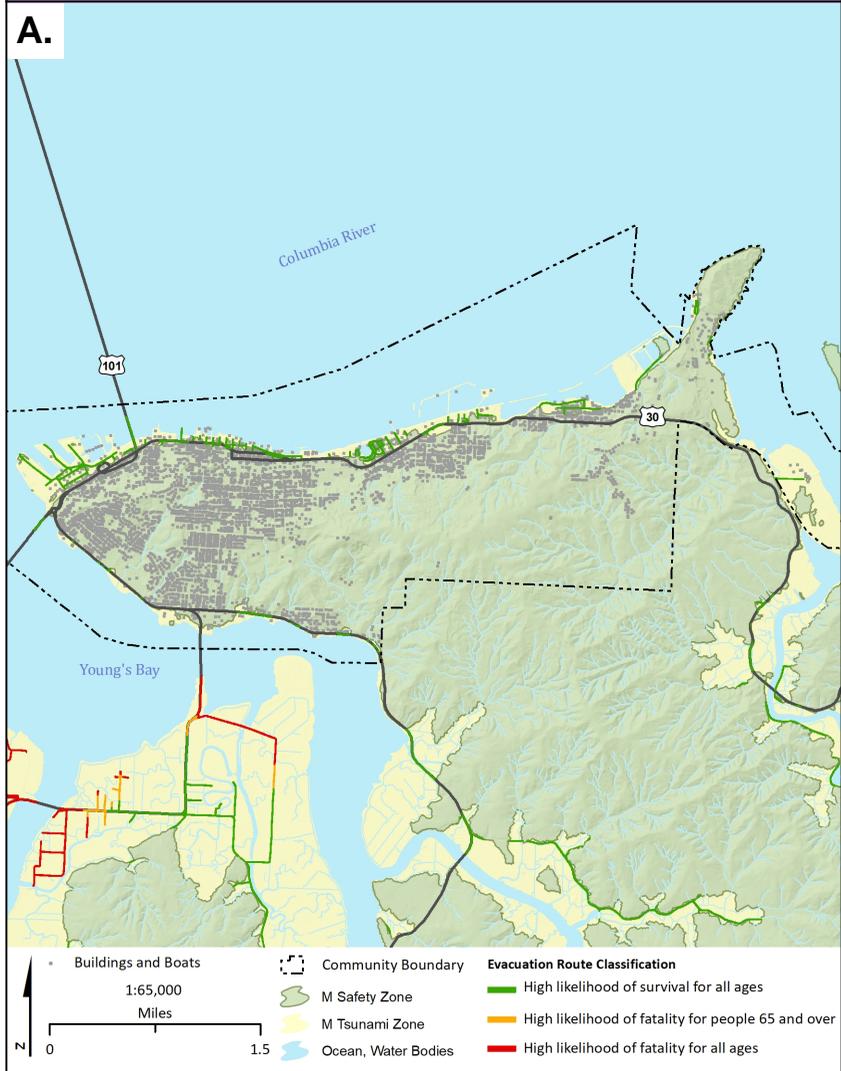
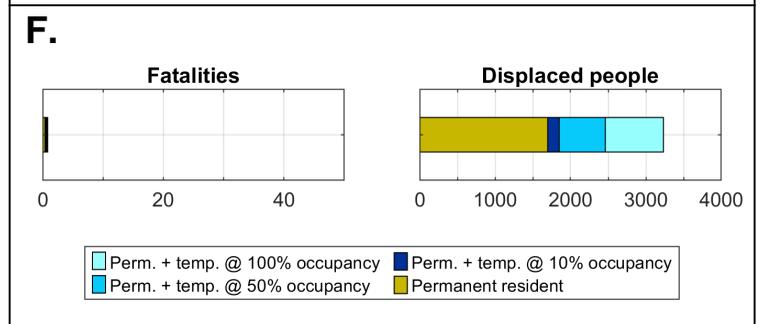
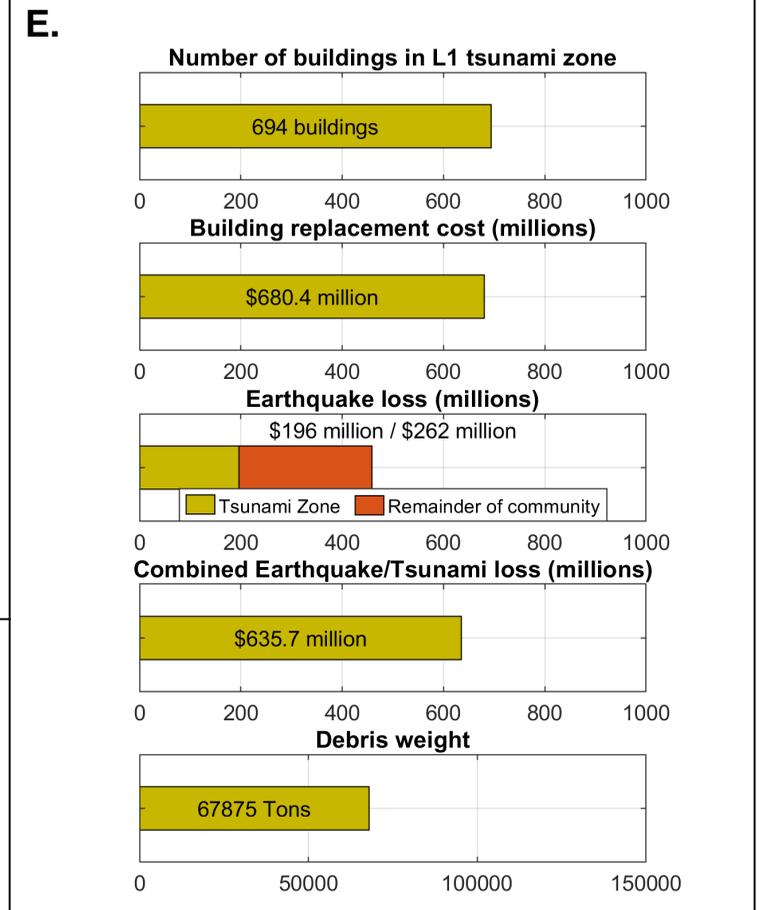
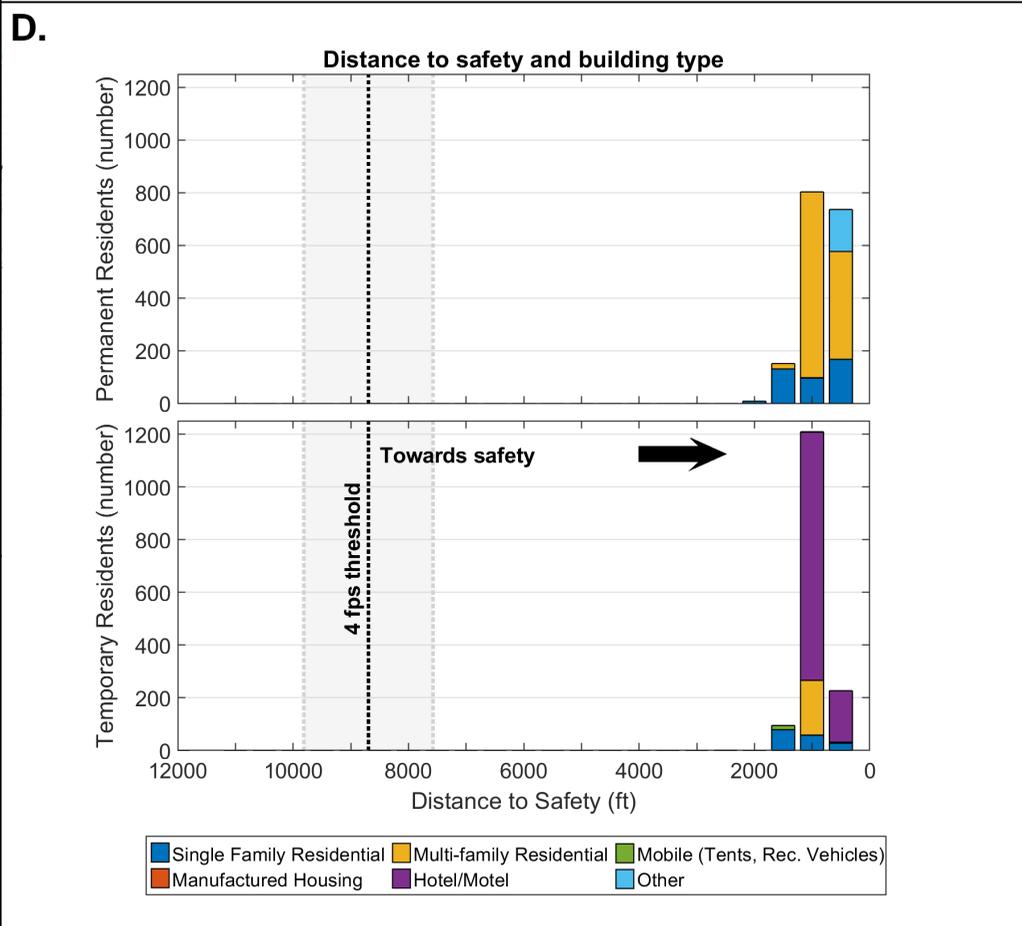
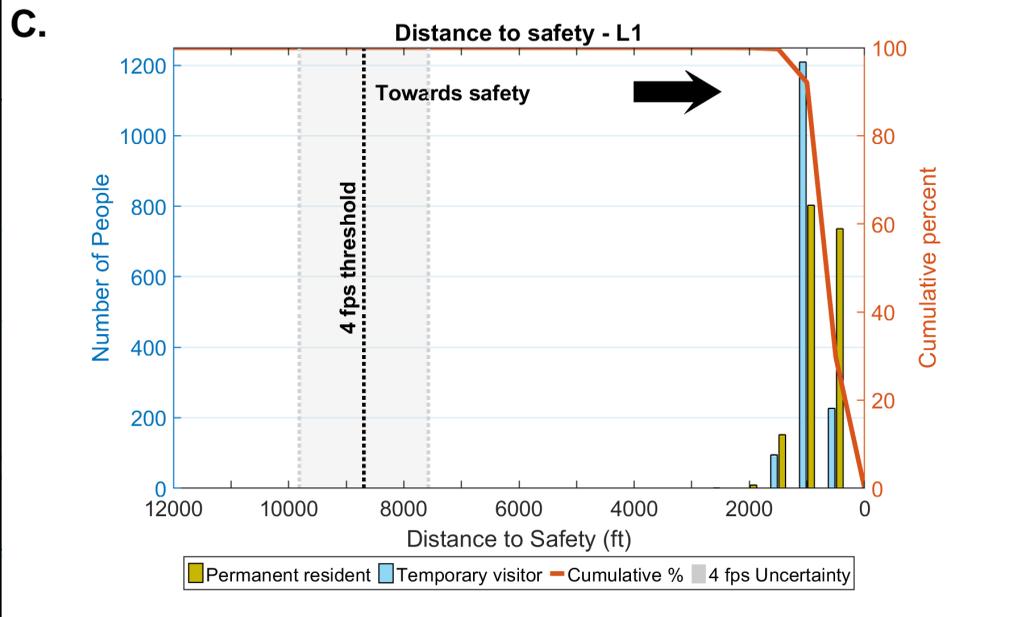
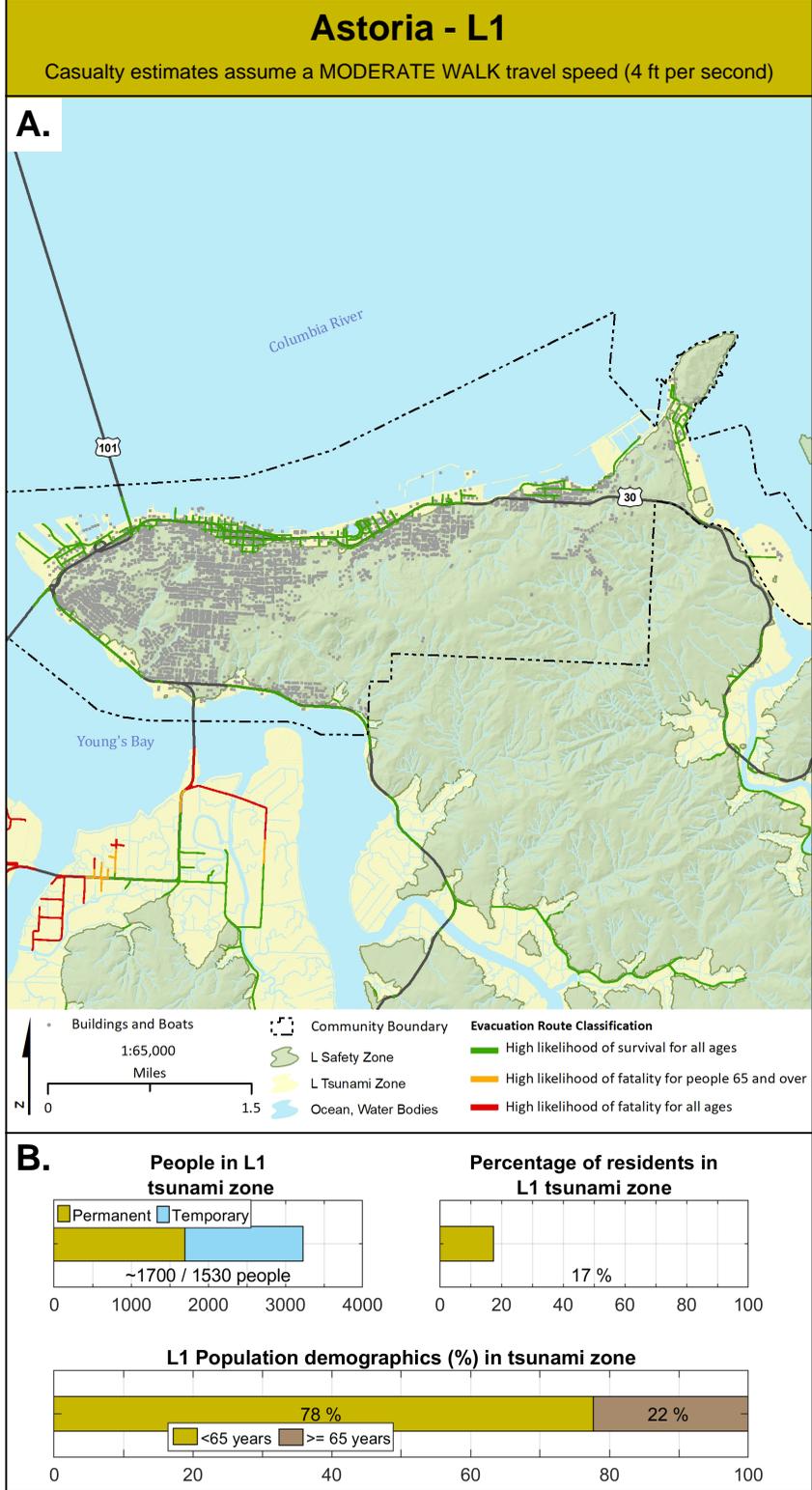


Astoria - M1

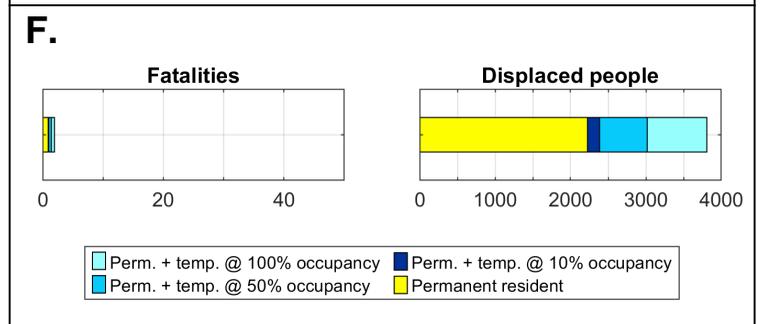
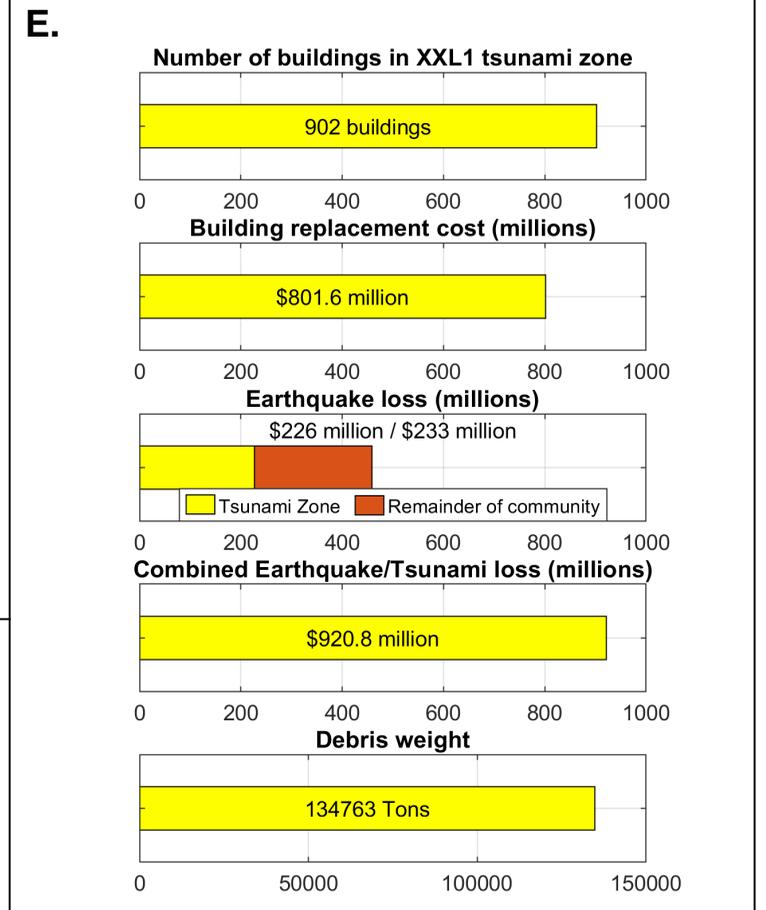
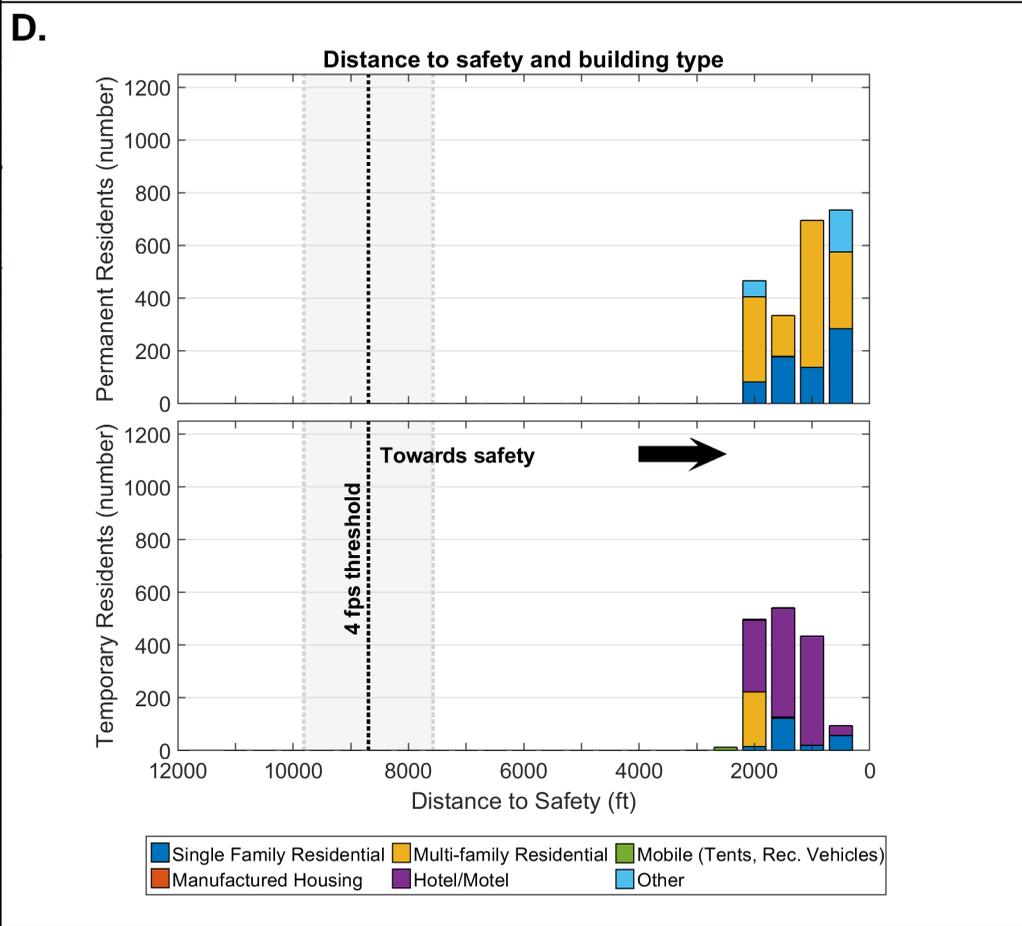
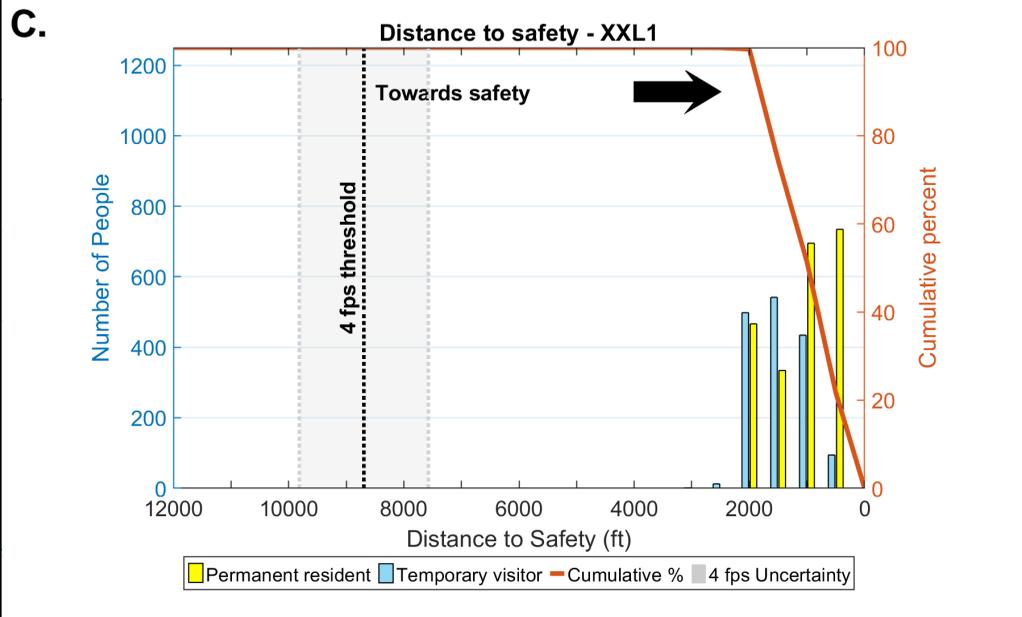
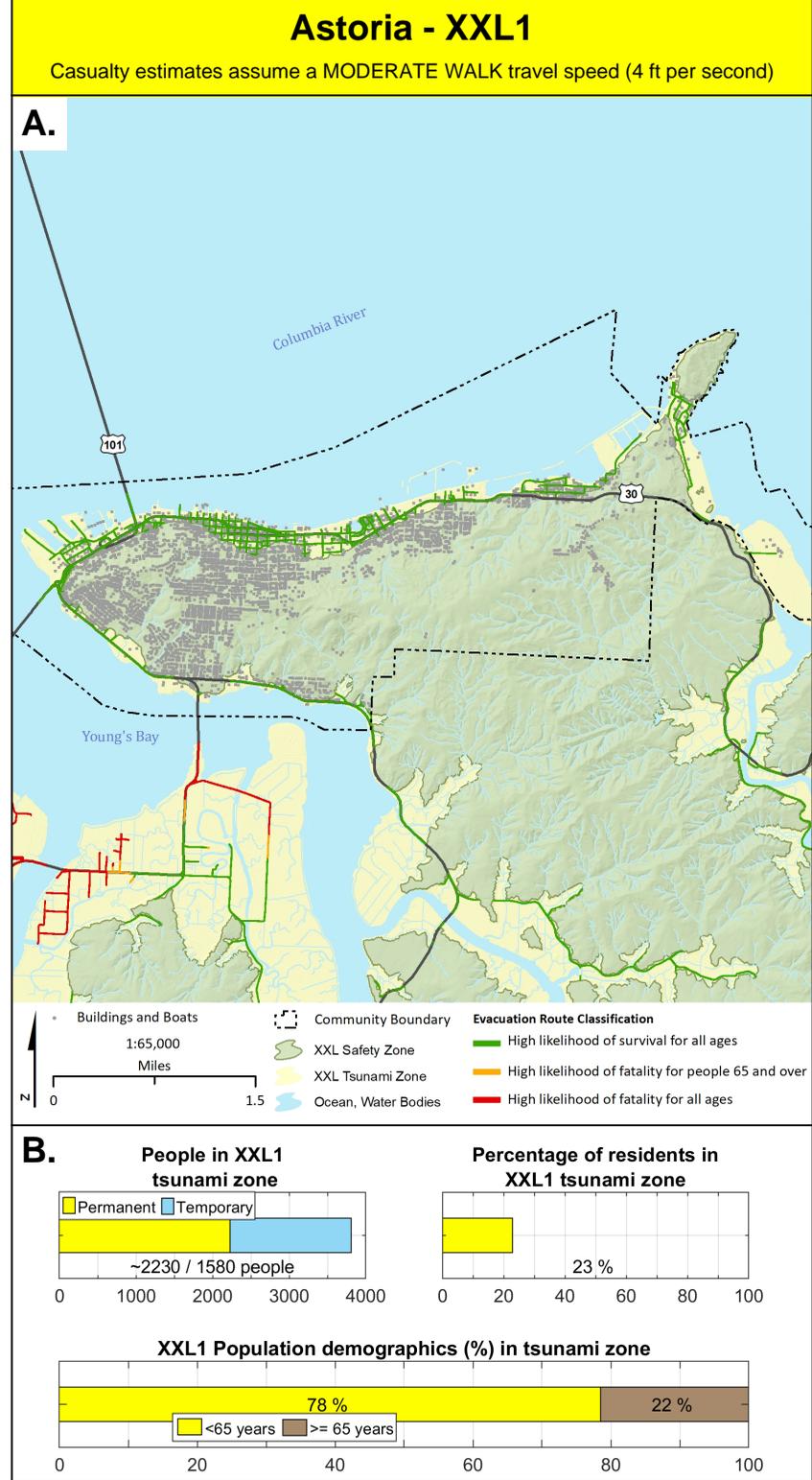
Casualty estimates assume a MODERATE WALK travel speed (4 ft per second)



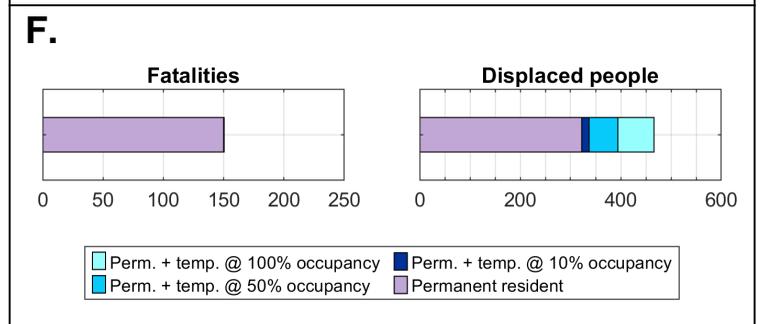
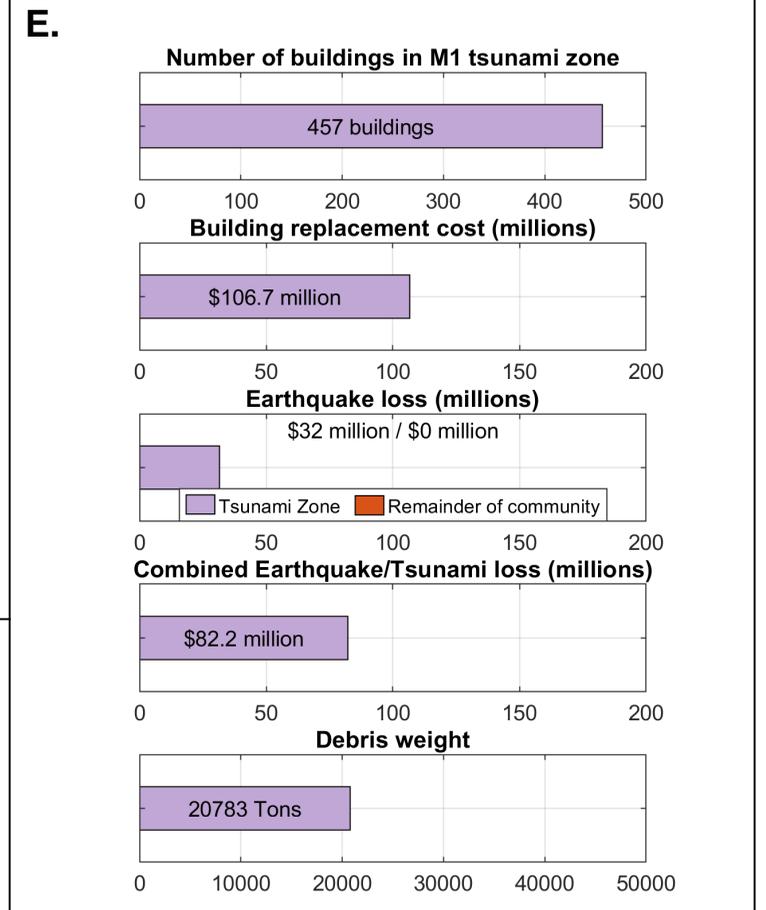
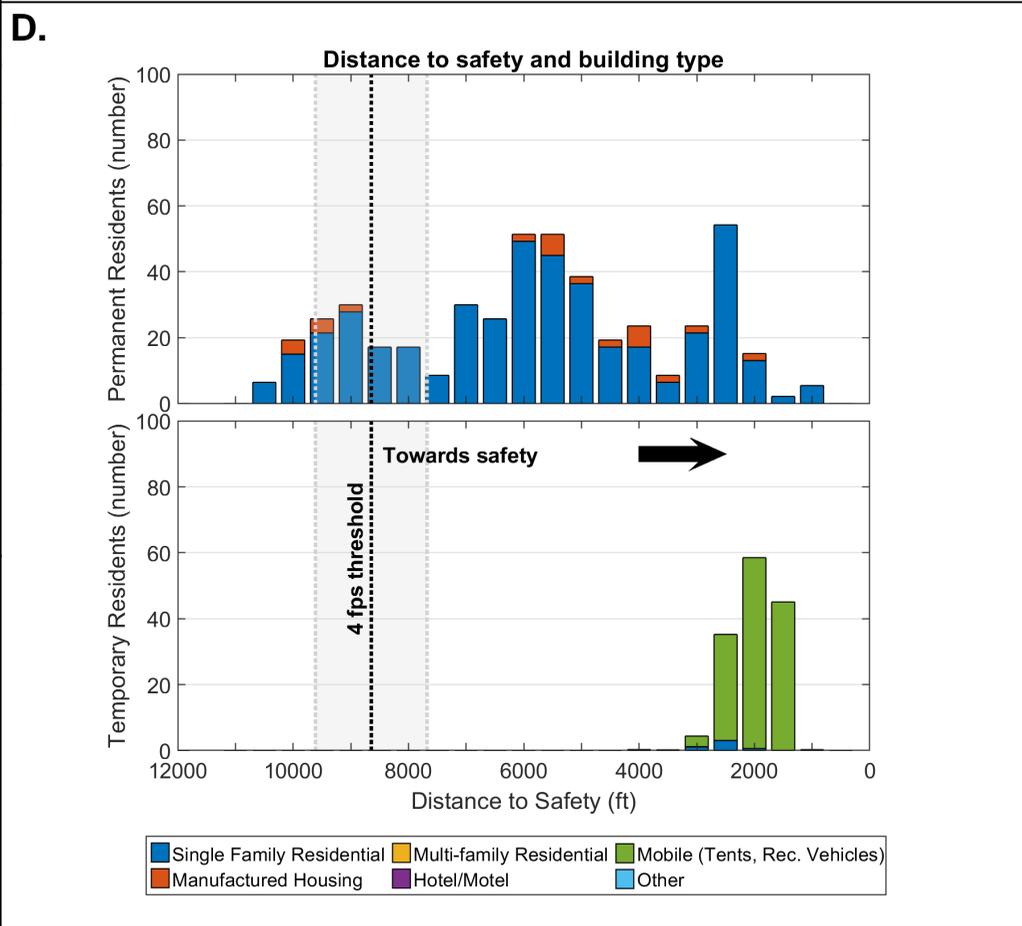
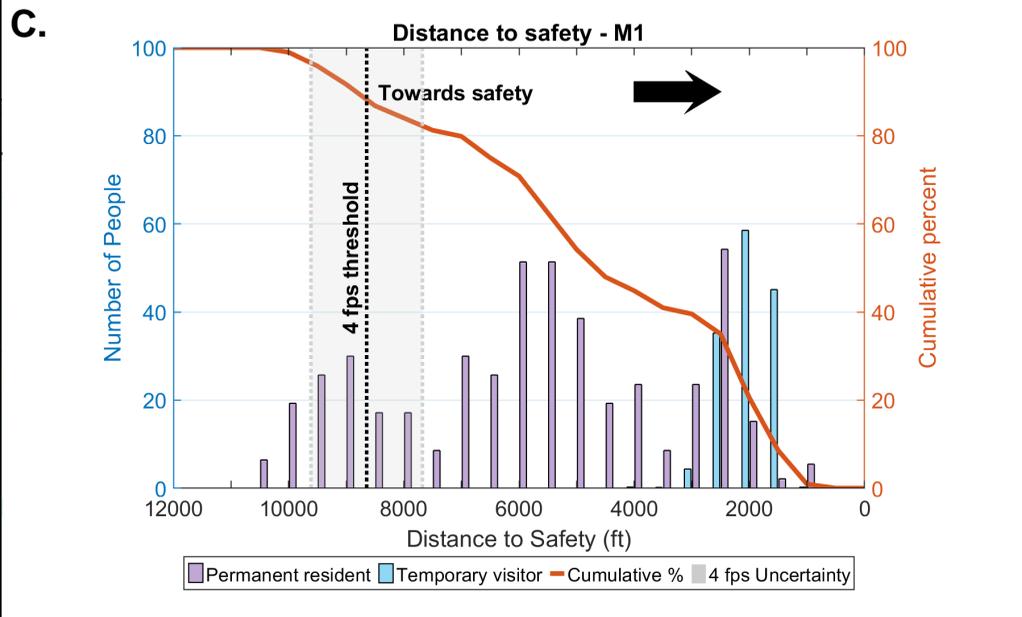
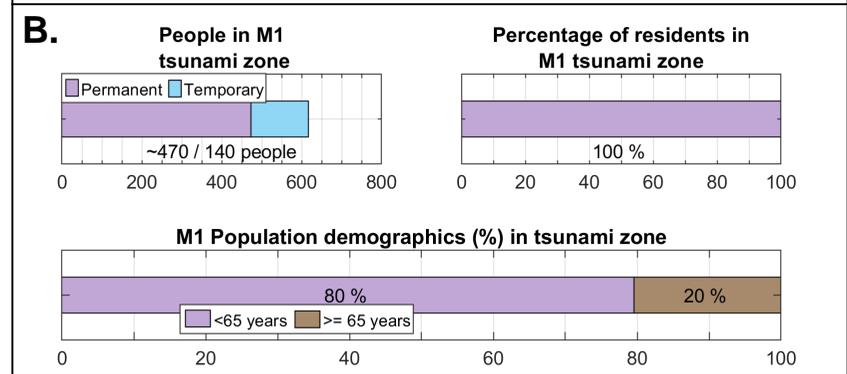
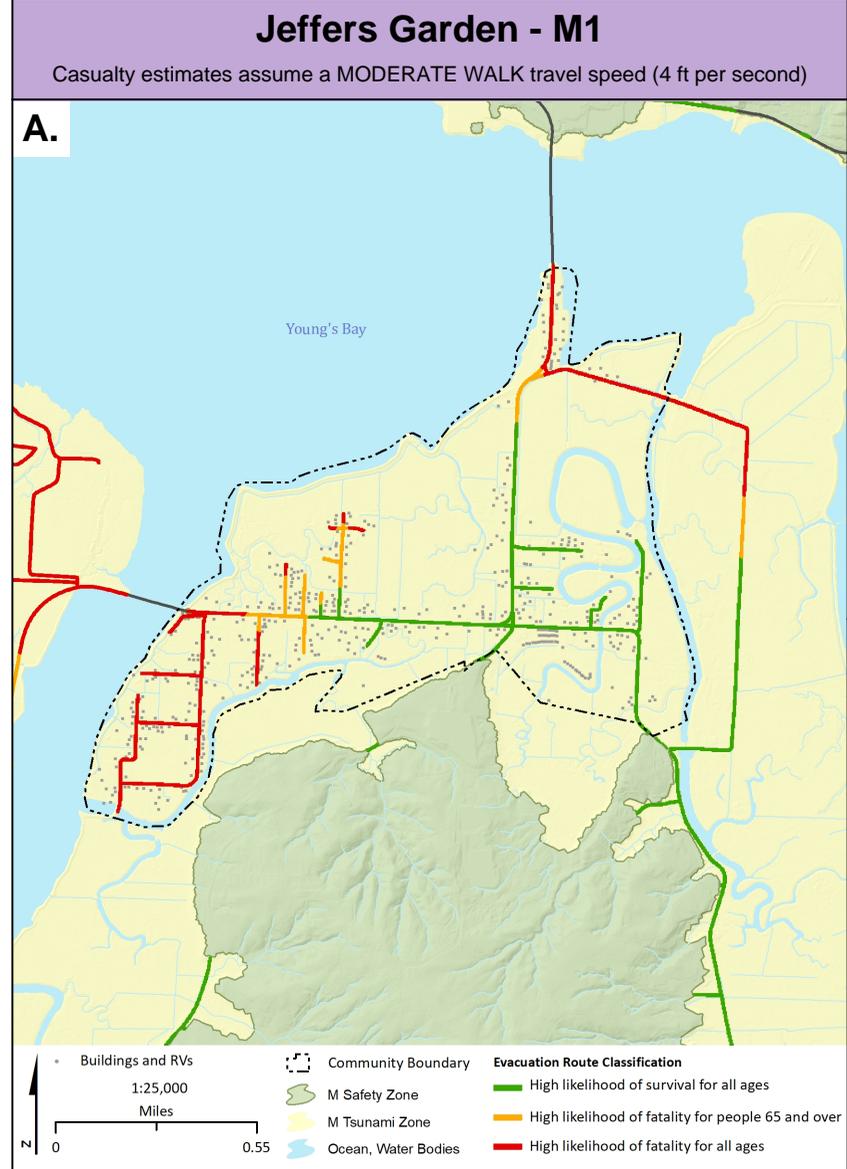
Description	Total
Earthquake Injuries (Entire Community)	150
Tsunami Injuries - Permanent + Temporary	0
Tsunami Fatalities - Permanent	0
Tsunami Fatalities - Temporary @ ~100% occupancy	0
Displaced Population - Permanent	1,026
Displaced Population - Permanent + Temporary	2,194



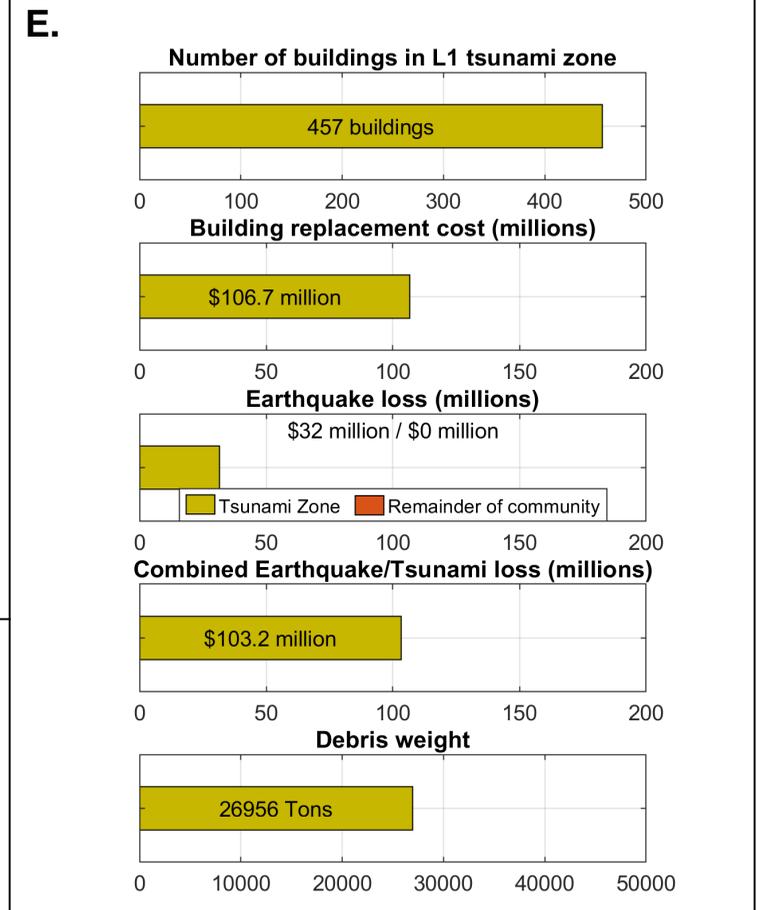
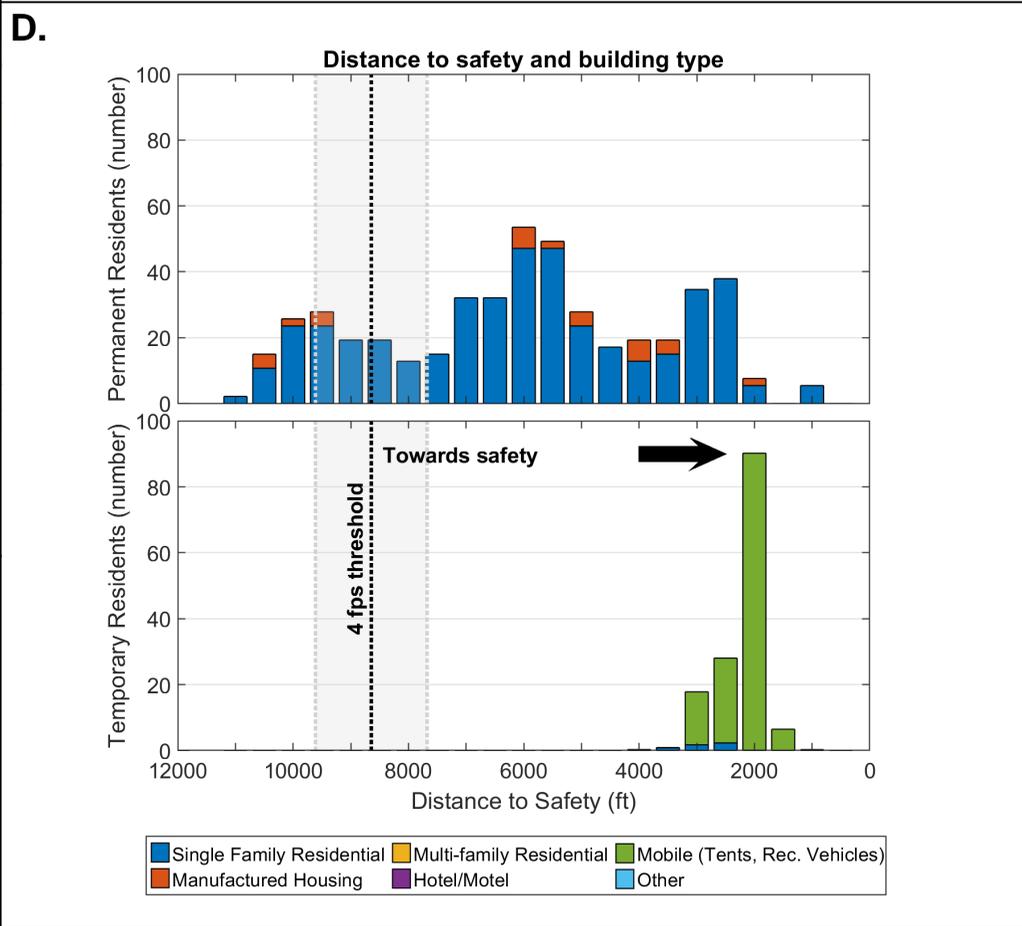
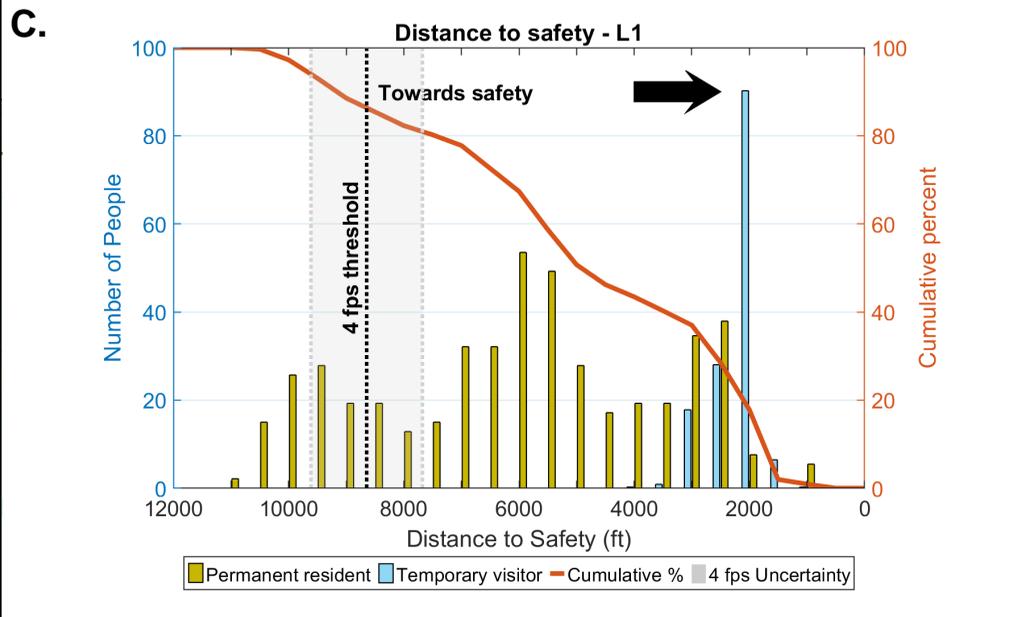
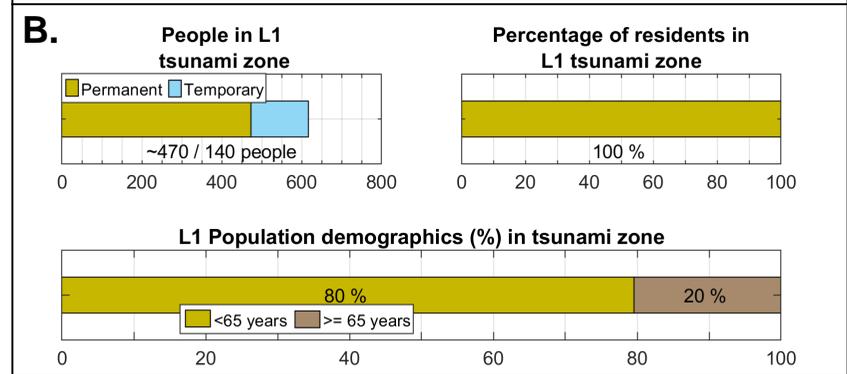
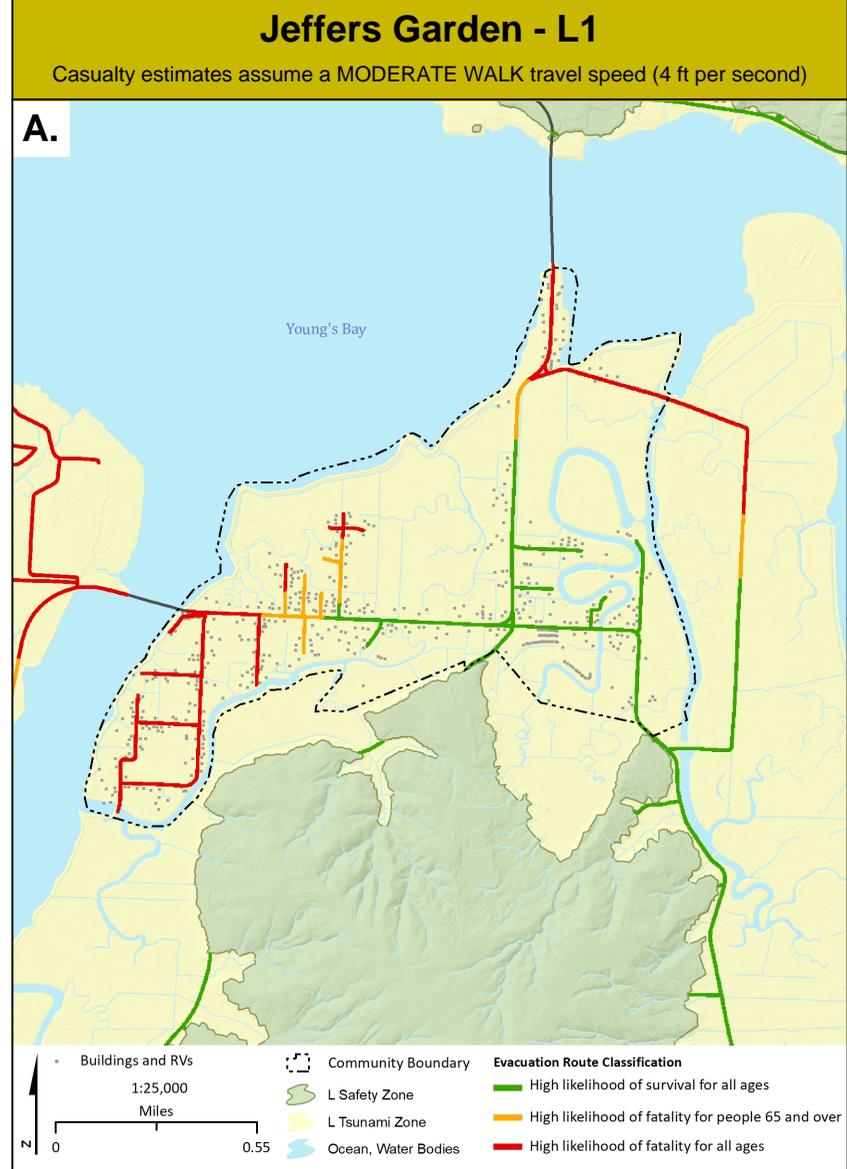
Description	Total
Earthquake Injuries (Entire Community)	150
Tsunami Injuries - Permanent + Temporary	0
Tsunami Fatalities - Permanent	0
Tsunami Fatalities - Temporary @ ~100% occupancy	0
Displaced Population - Permanent	1,699
Displaced Population - Permanent + Temporary	3,230



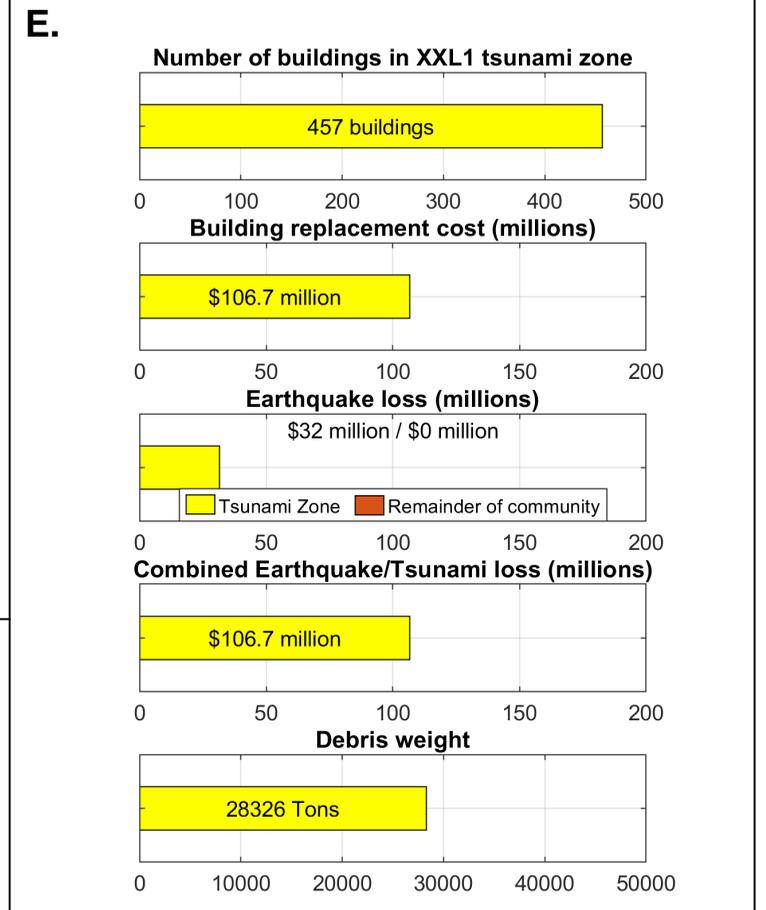
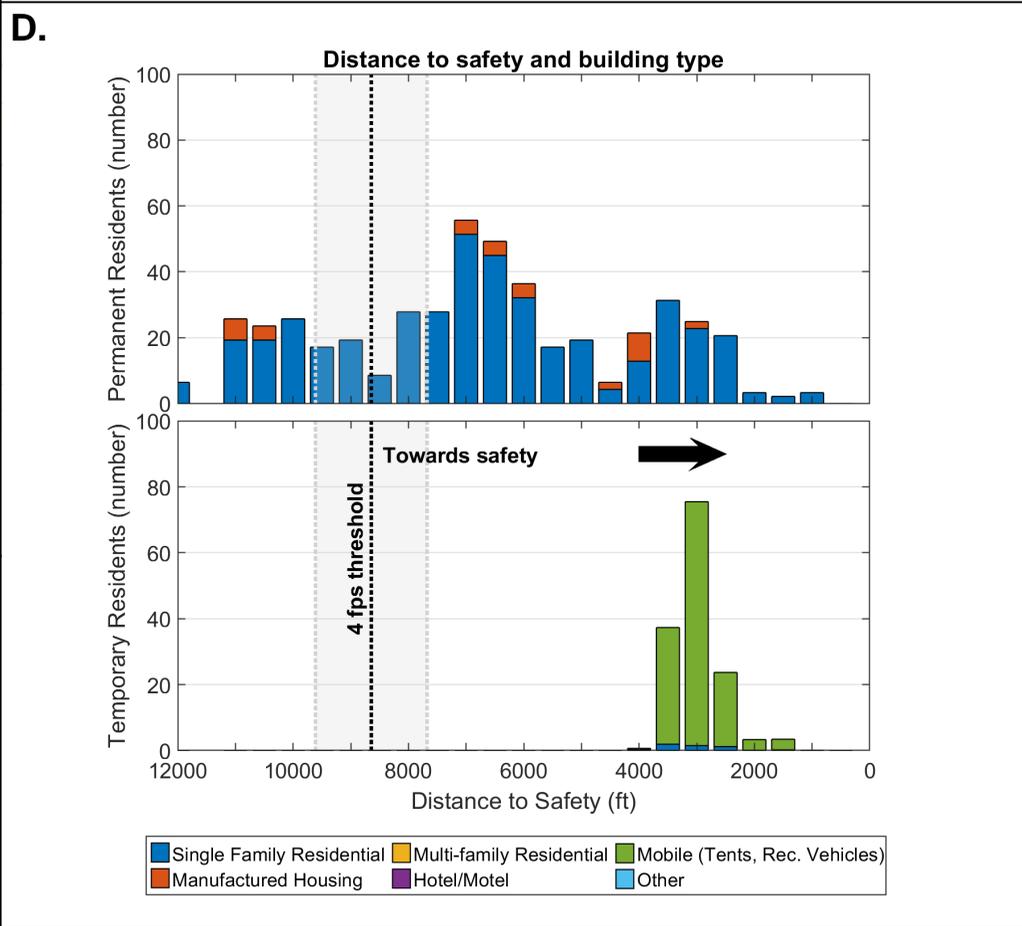
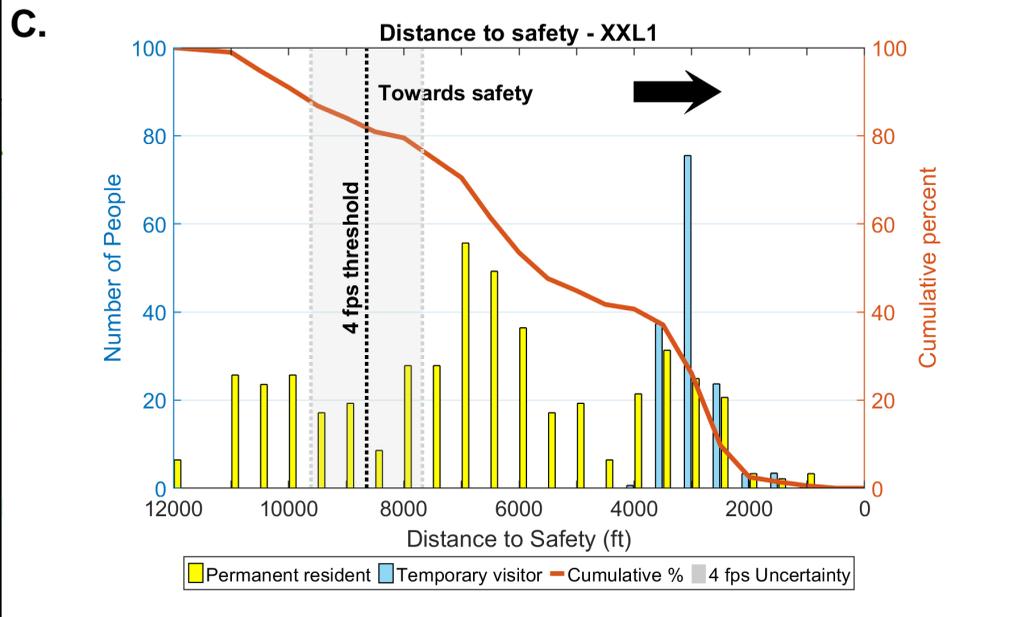
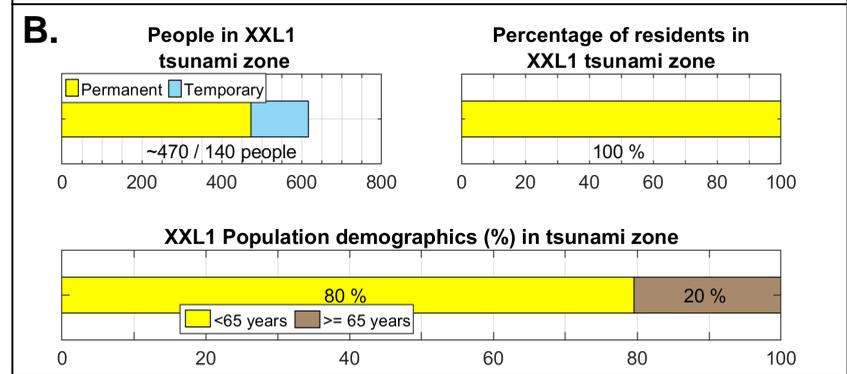
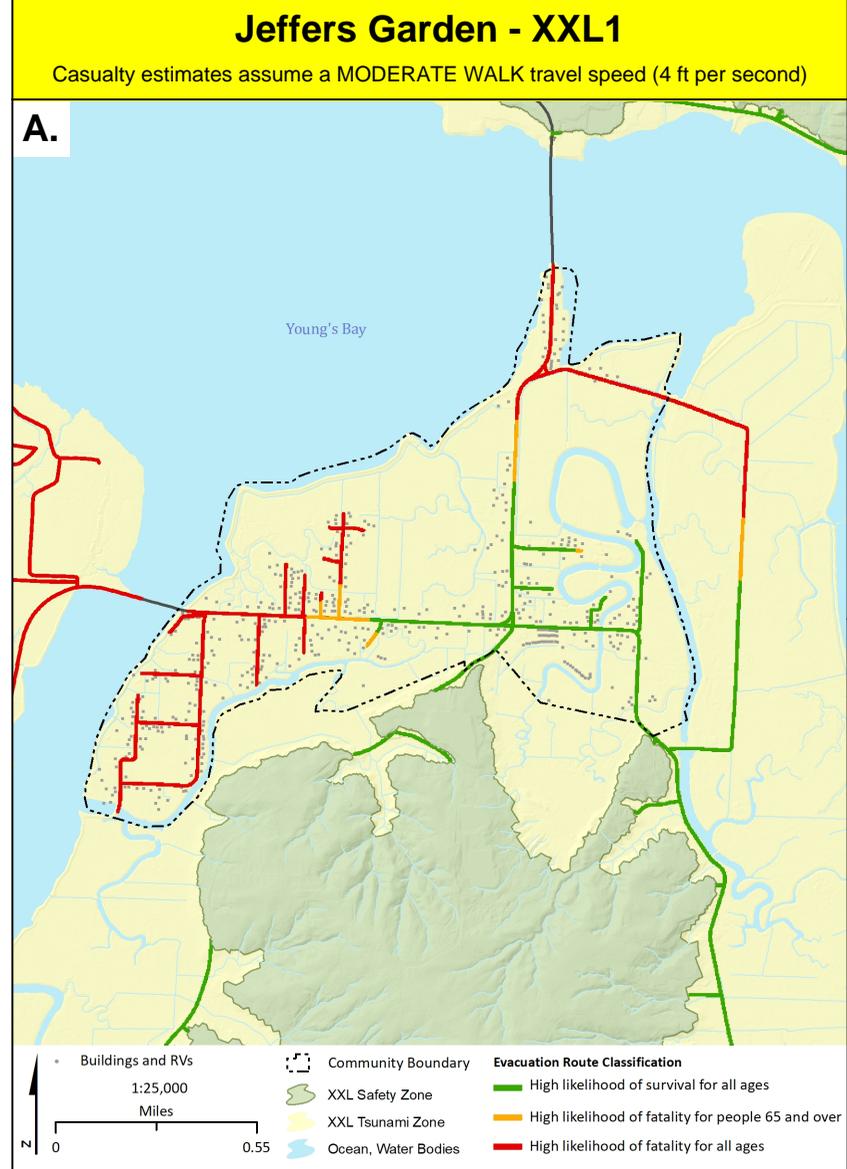
Description	Total
Earthquake Injuries (Entire Community)	150
Tsunami Injuries - Permanent + Temporary	0
Tsunami Fatalities - Permanent	1
Tsunami Fatalities - Temporary @ ~100% occupancy	1
Displaced Population - Permanent	2,229
Displaced Population - Permanent + Temporary	3,809



Description	Total
Earthquake Injuries (Entire Community)	7
Tsunami Injuries - Permanent + Temporary	7
Tsunami Fatalities - Permanent	150
Tsunami Fatalities - Temporary @ ~100% occupancy	0
Displaced Population - Permanent	323
Displaced Population - Permanent + Temporary	466



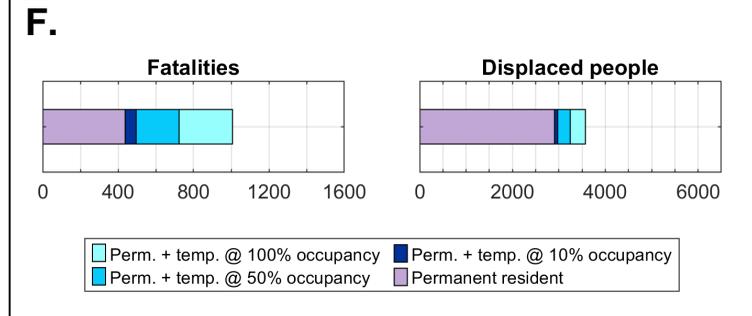
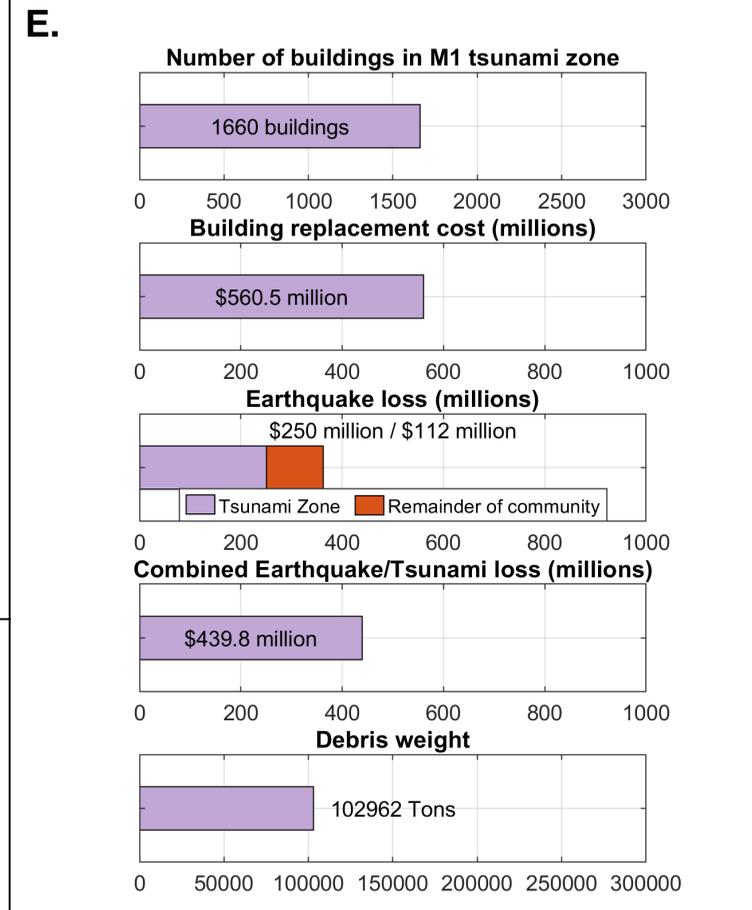
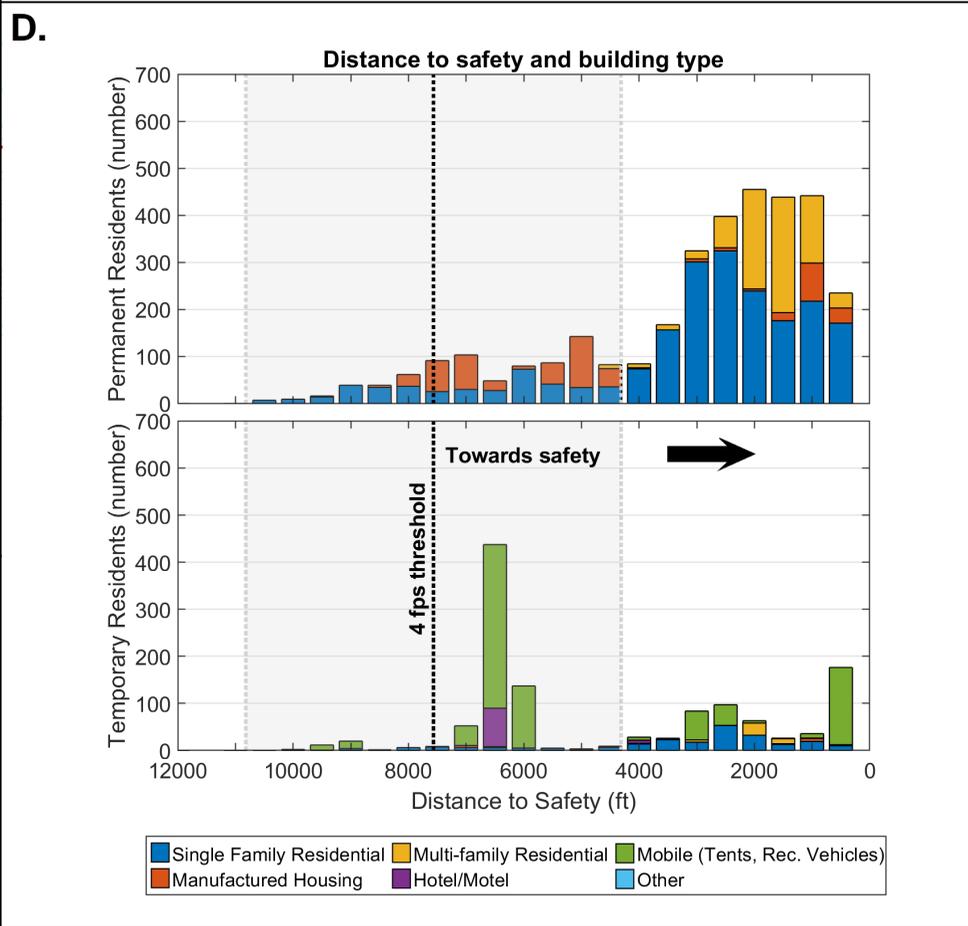
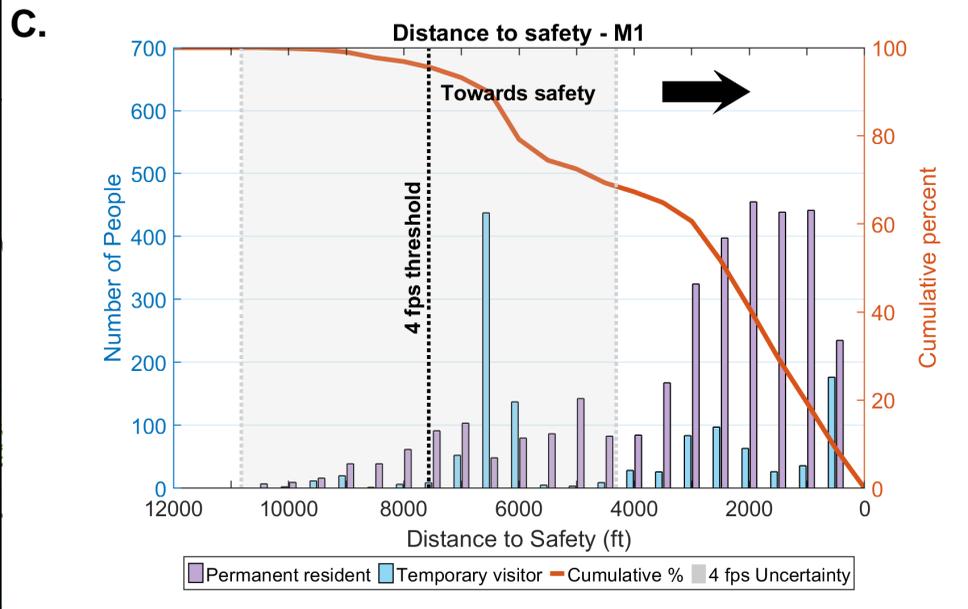
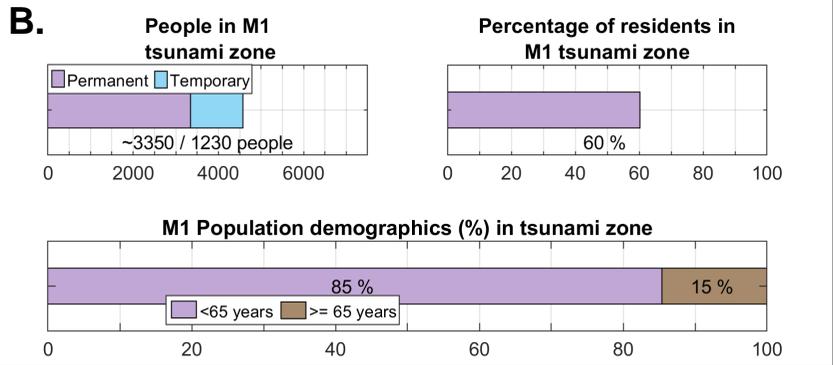
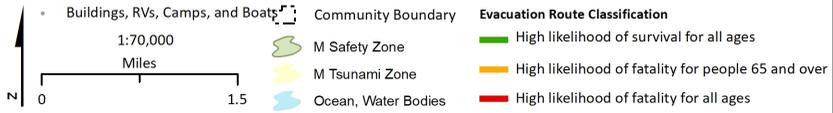
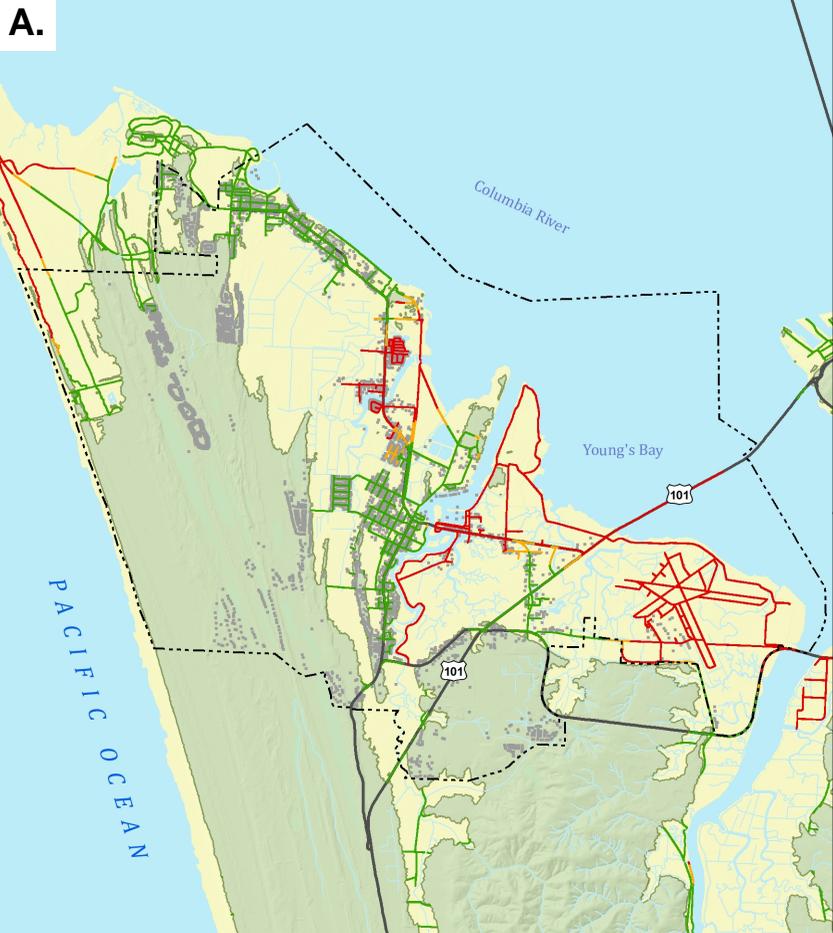
Description	Total
Earthquake Injuries (Entire Community)	7
Tsunami Injuries - Permanent + Temporary	7
Tsunami Fatalities - Permanent	165
Tsunami Fatalities - Temporary @ ~100% occupancy	0
Displaced Population - Permanent	308
Displaced Population - Permanent + Temporary	452



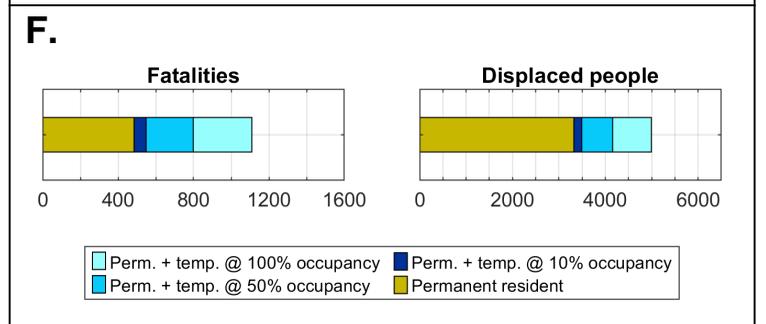
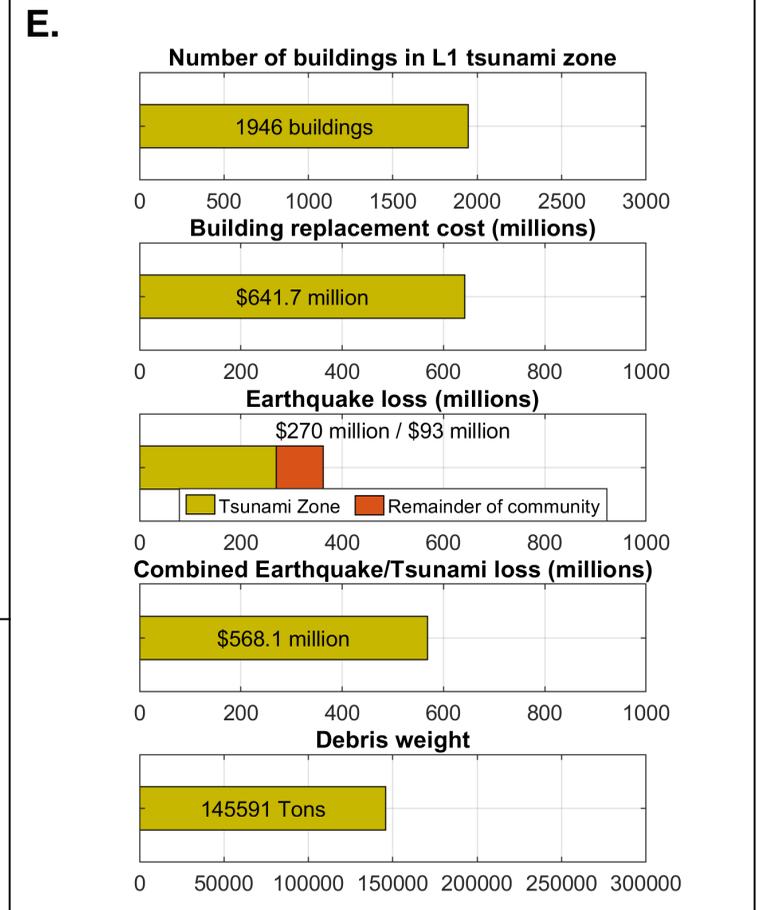
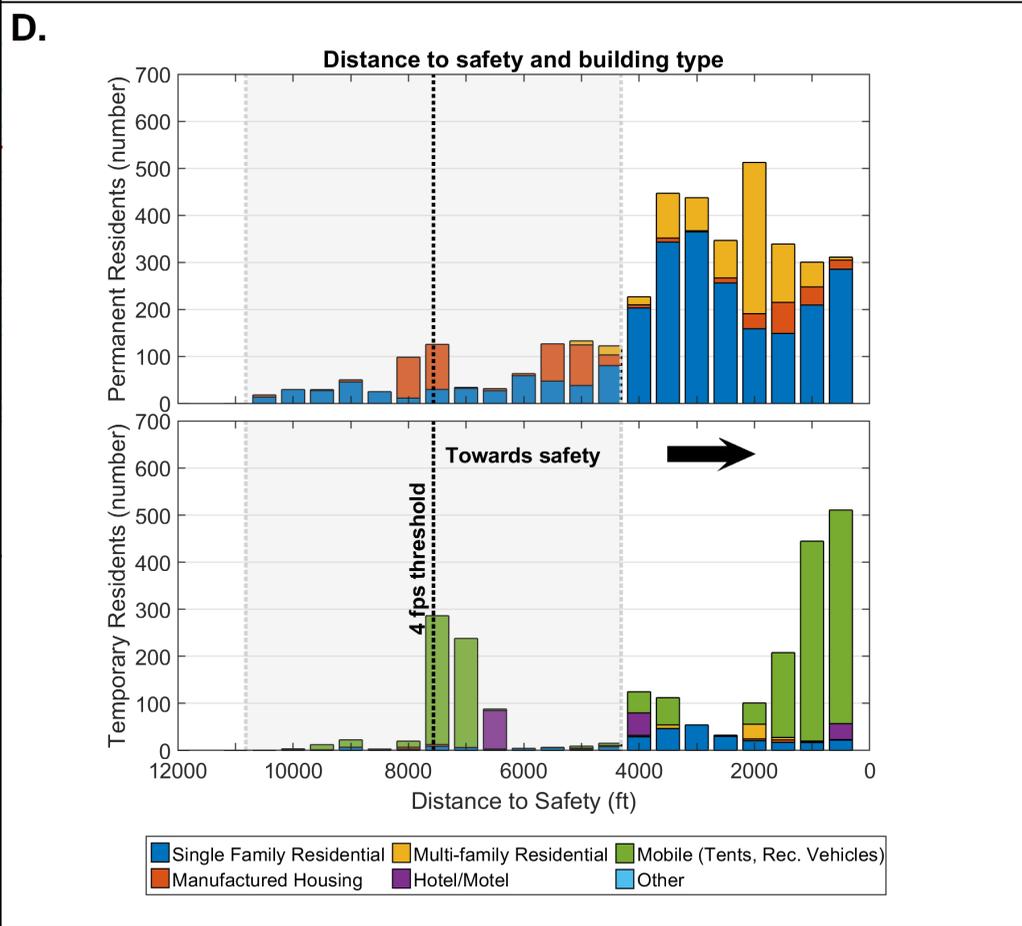
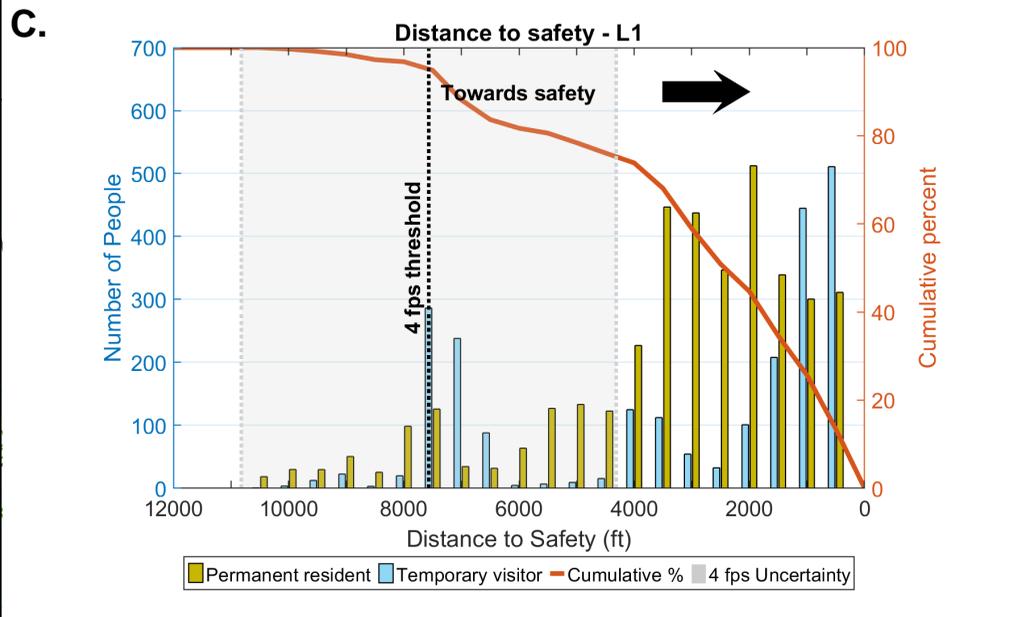
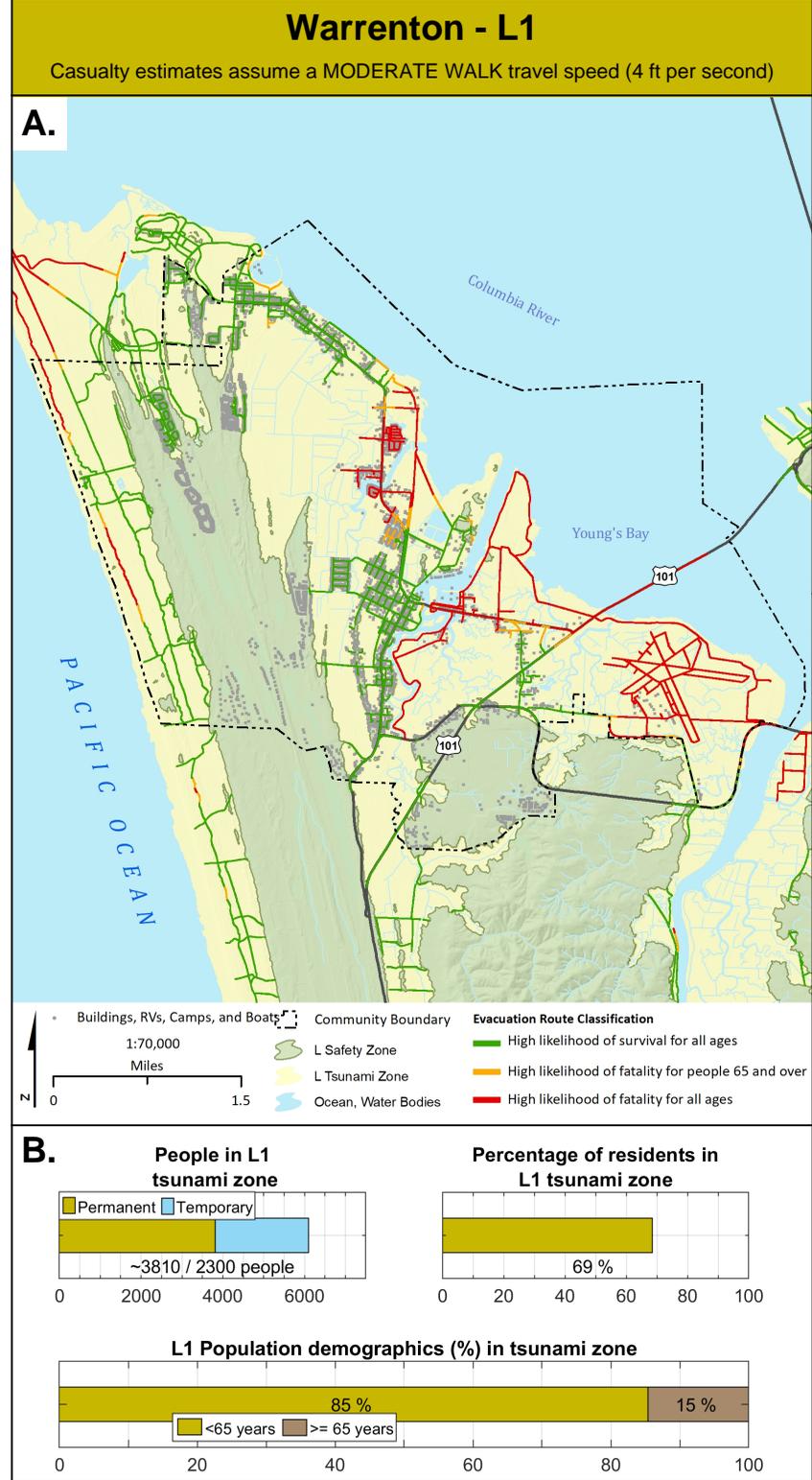
Description	Total
Earthquake Injuries (Entire Community)	7
Tsunami Injuries - Permanent + Temporary	8
Tsunami Fatalities - Permanent	208
Tsunami Fatalities - Temporary @ ~100% occupancy	1
Displaced Population - Permanent	265
Displaced Population - Permanent + Temporary	408

Warrenton - M1

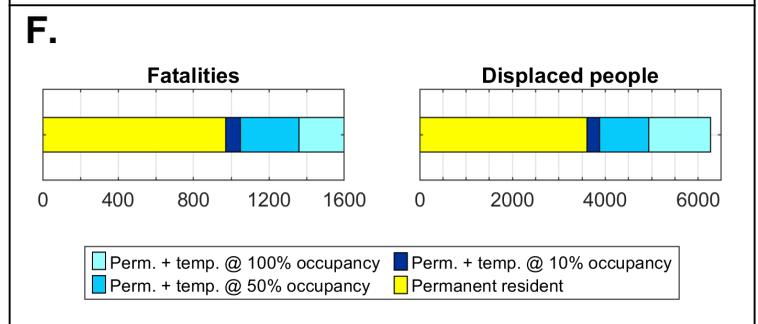
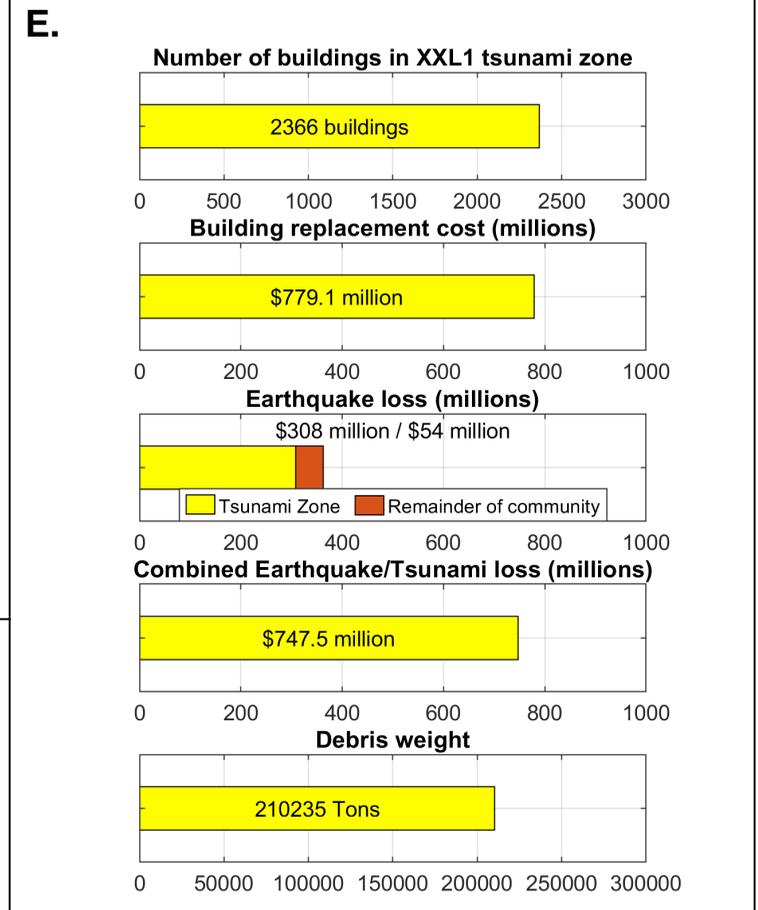
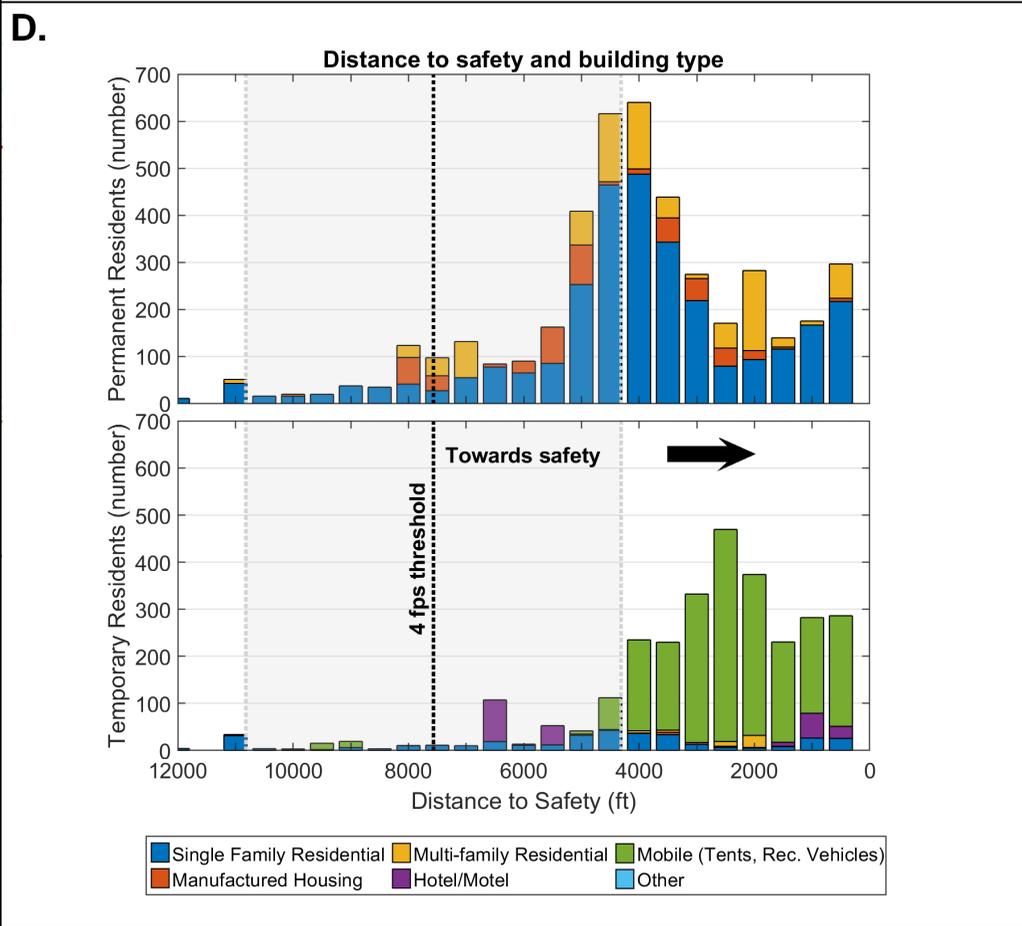
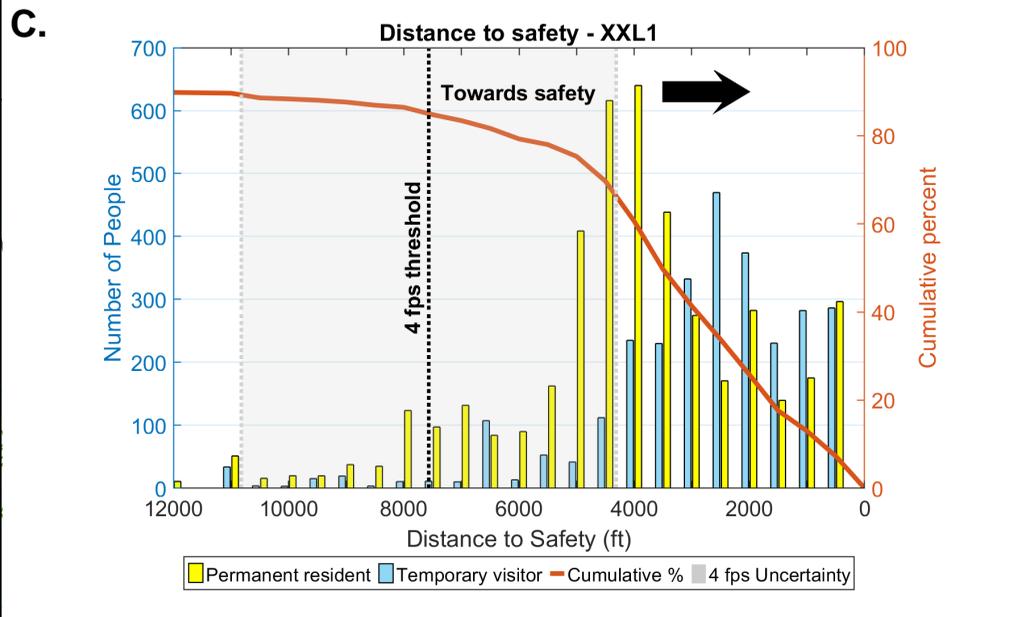
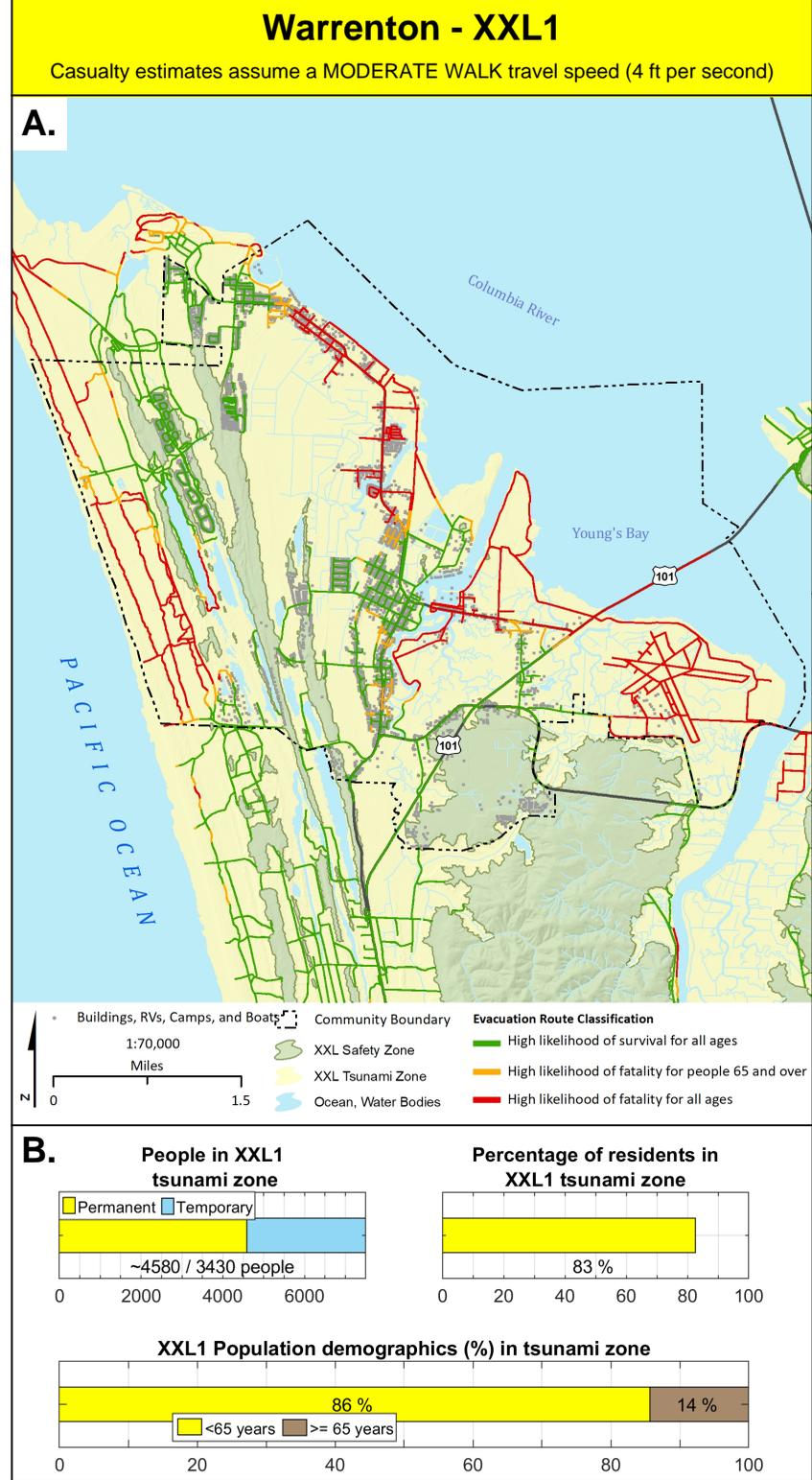
Casualty estimates assume a MODERATE WALK travel speed (4 ft per second)



Description	Total
Earthquake Injuries (Entire Community)	112
Tsunami Injuries - Permanent + Temporary	38
Tsunami Fatalities - Permanent	439
Tsunami Fatalities - Temporary @ ~100% occupancy	569
Displaced Population - Permanent	2,910
Displaced Population - Permanent + Temporary	3,570



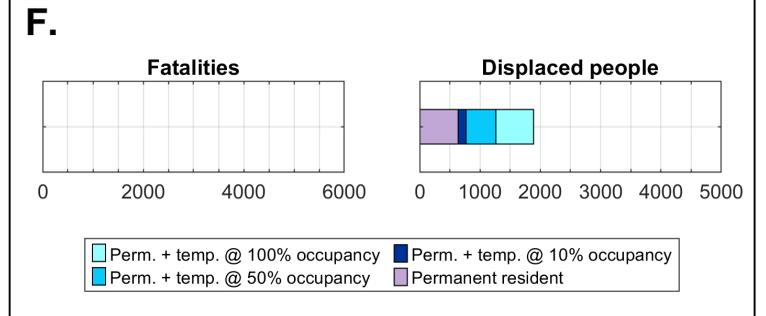
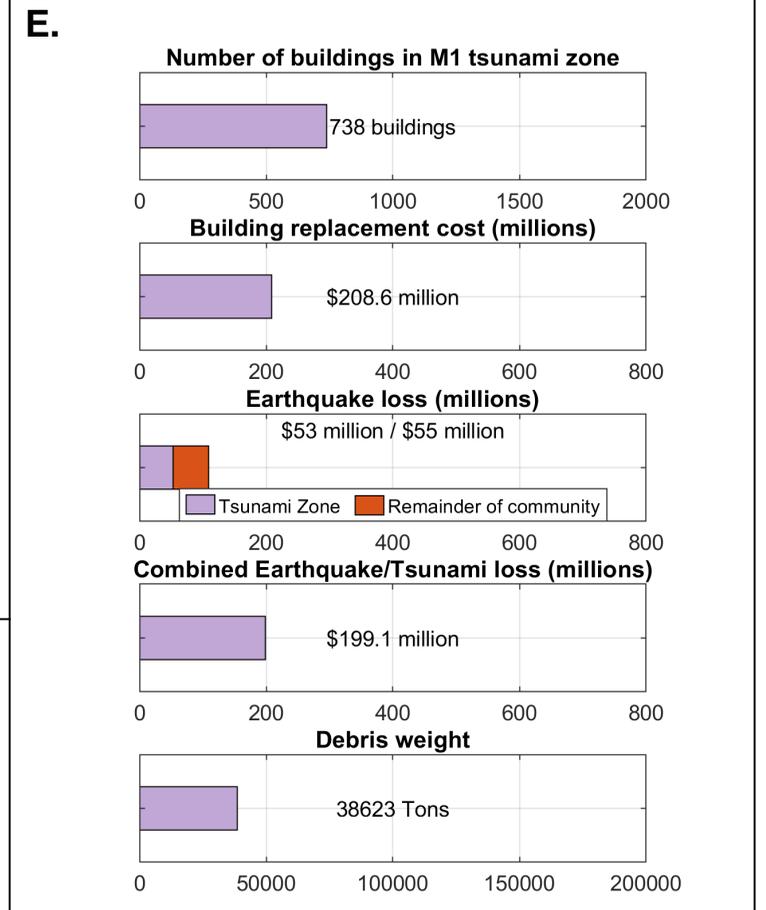
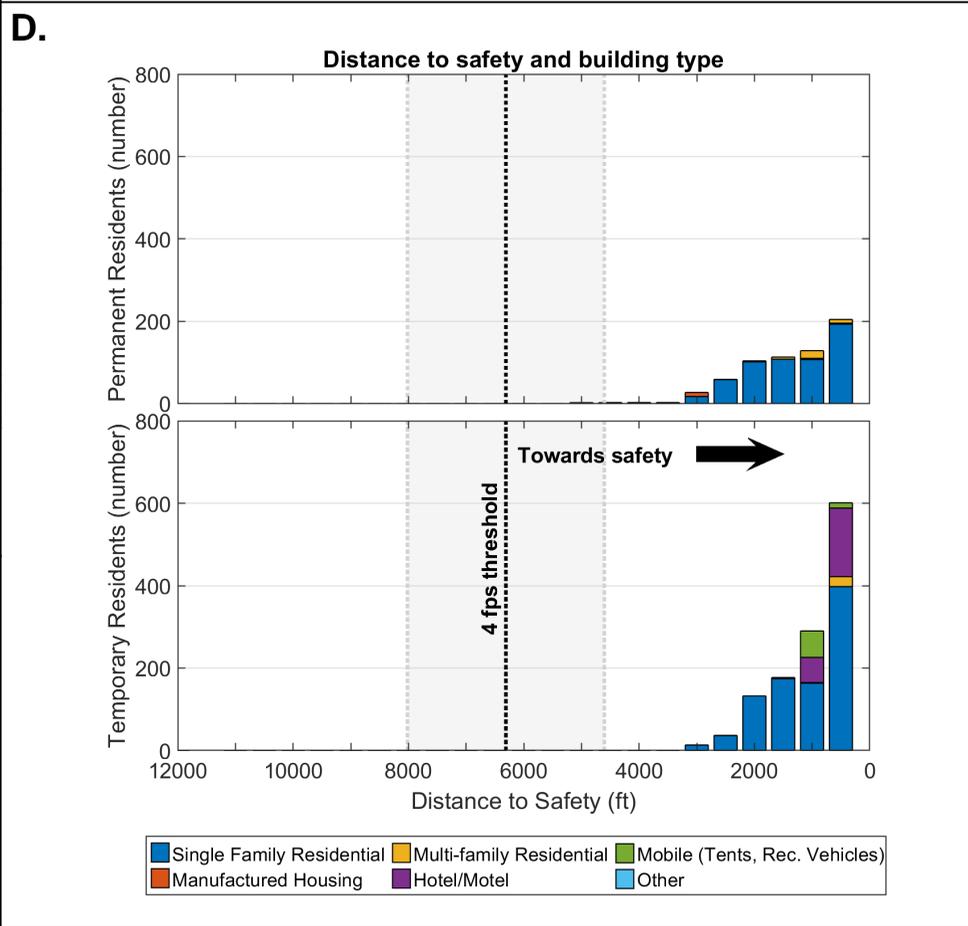
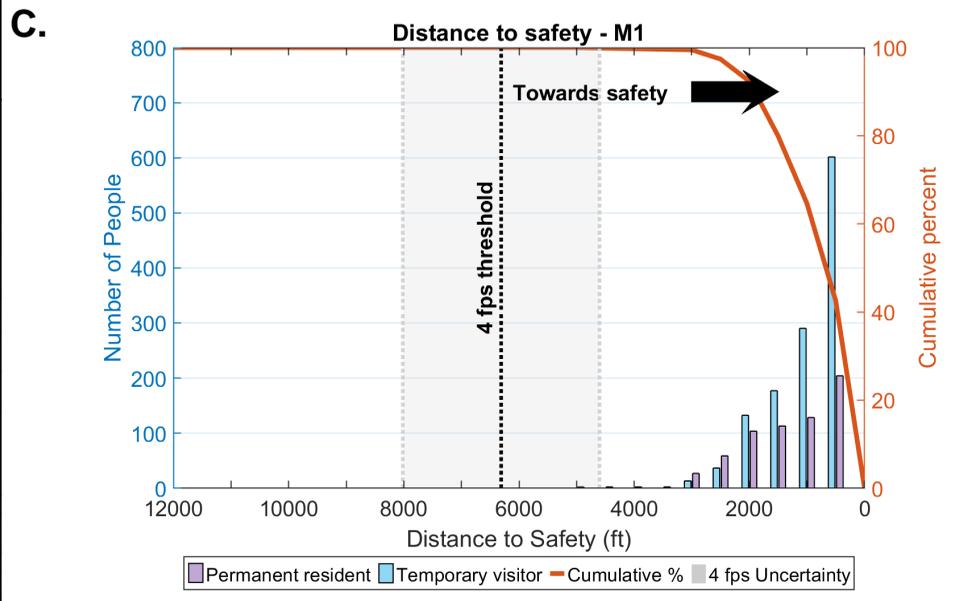
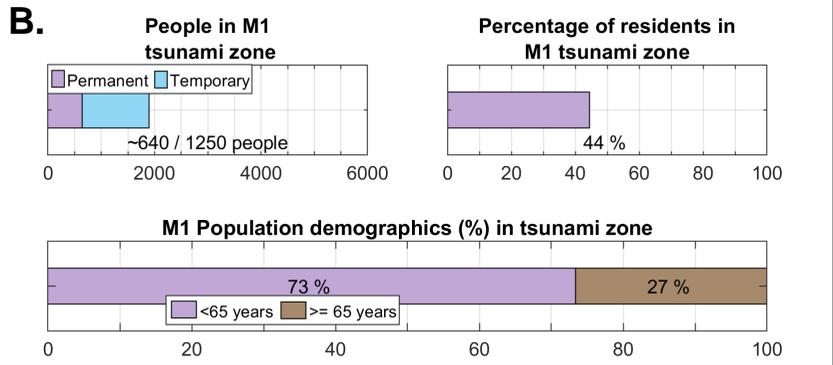
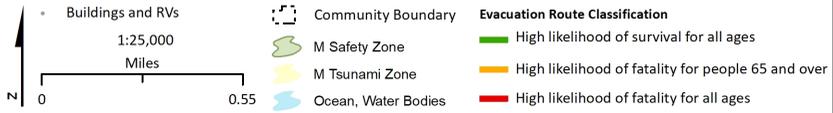
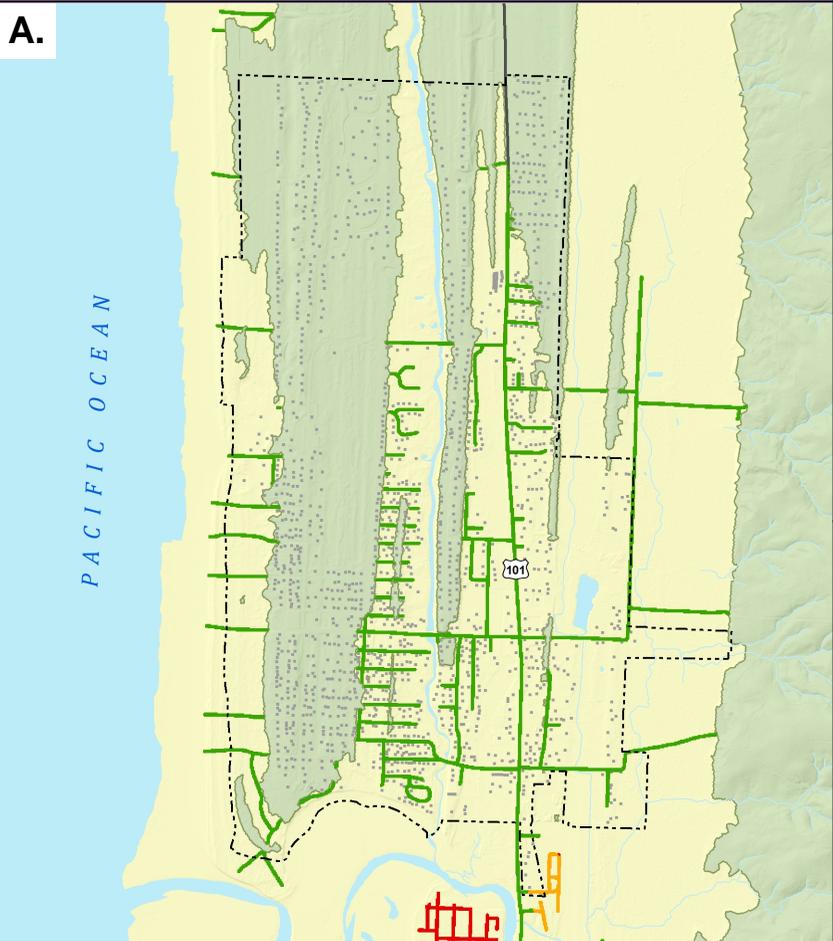
Description	Total
Earthquake Injuries (Entire Community)	112
Tsunami Injuries - Permanent + Temporary	35
Tsunami Fatalities - Permanent	485
Tsunami Fatalities - Temporary @ ~100% occupancy	626
Displaced Population - Permanent	3,324
Displaced Population - Permanent + Temporary	4,994



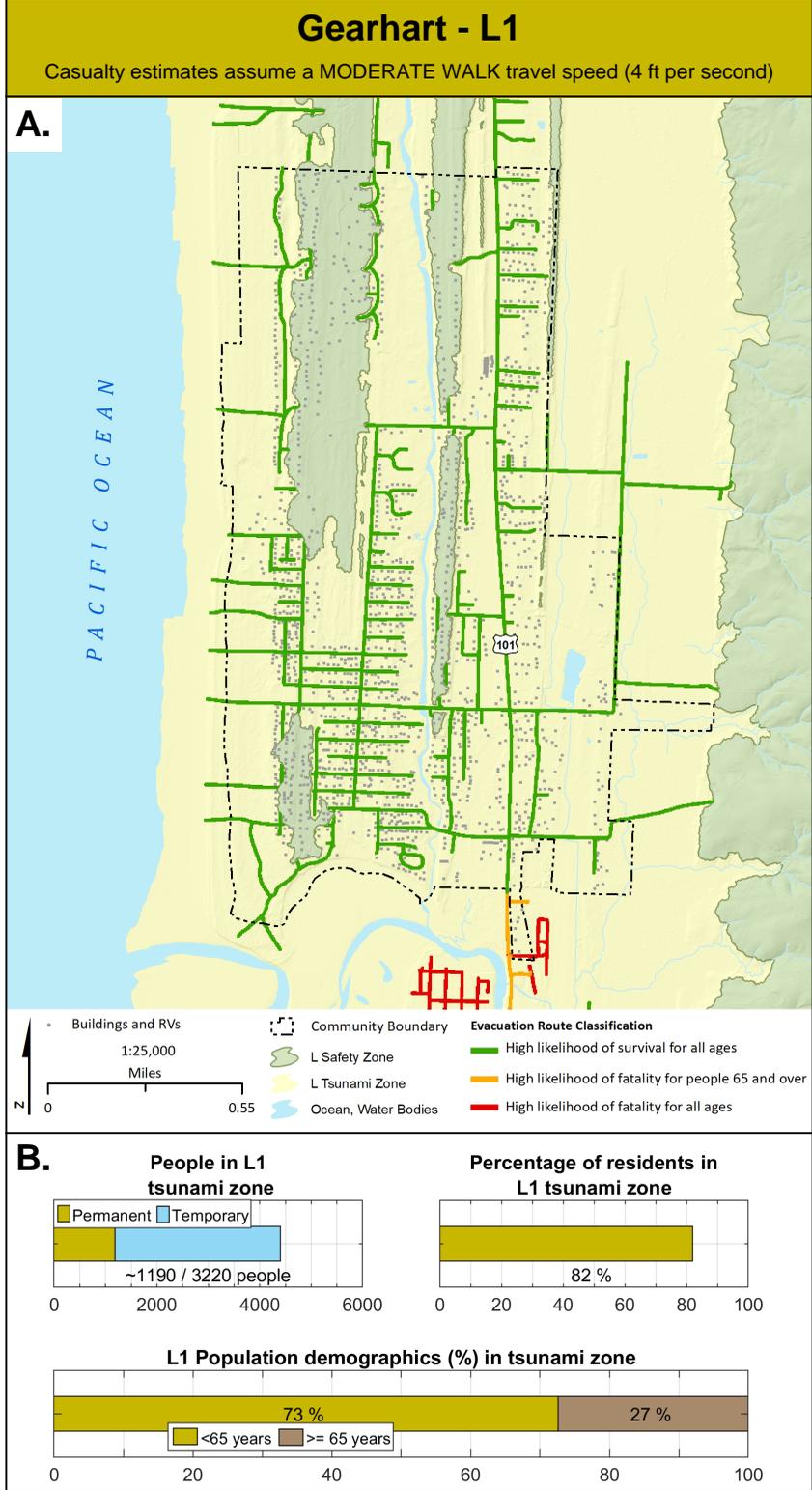
Description	Total
Earthquake Injuries (Entire Community)	112
Tsunami Injuries - Permanent + Temporary	56
Tsunami Fatalities - Permanent	972
Tsunami Fatalities - Temporary @ ~100% occupancy	777
Displaced Population - Permanent	3,611
Displaced Population - Permanent + Temporary	6,264

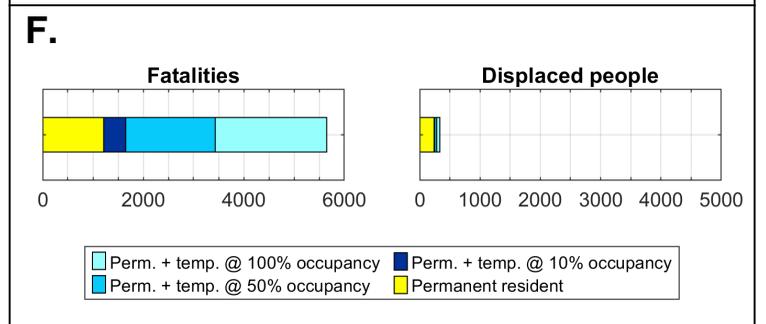
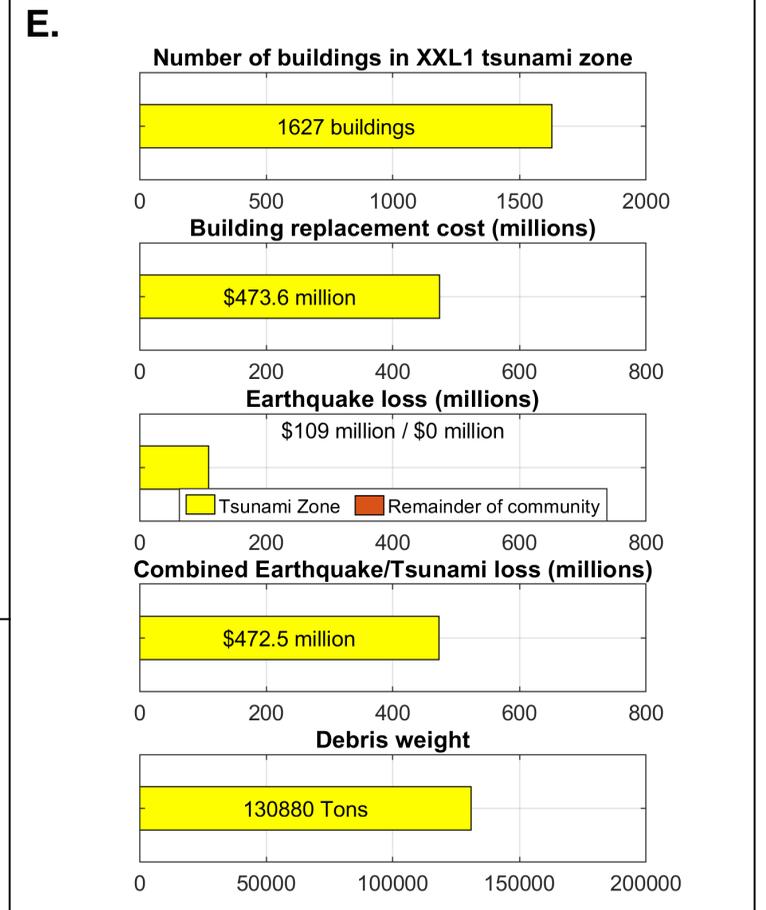
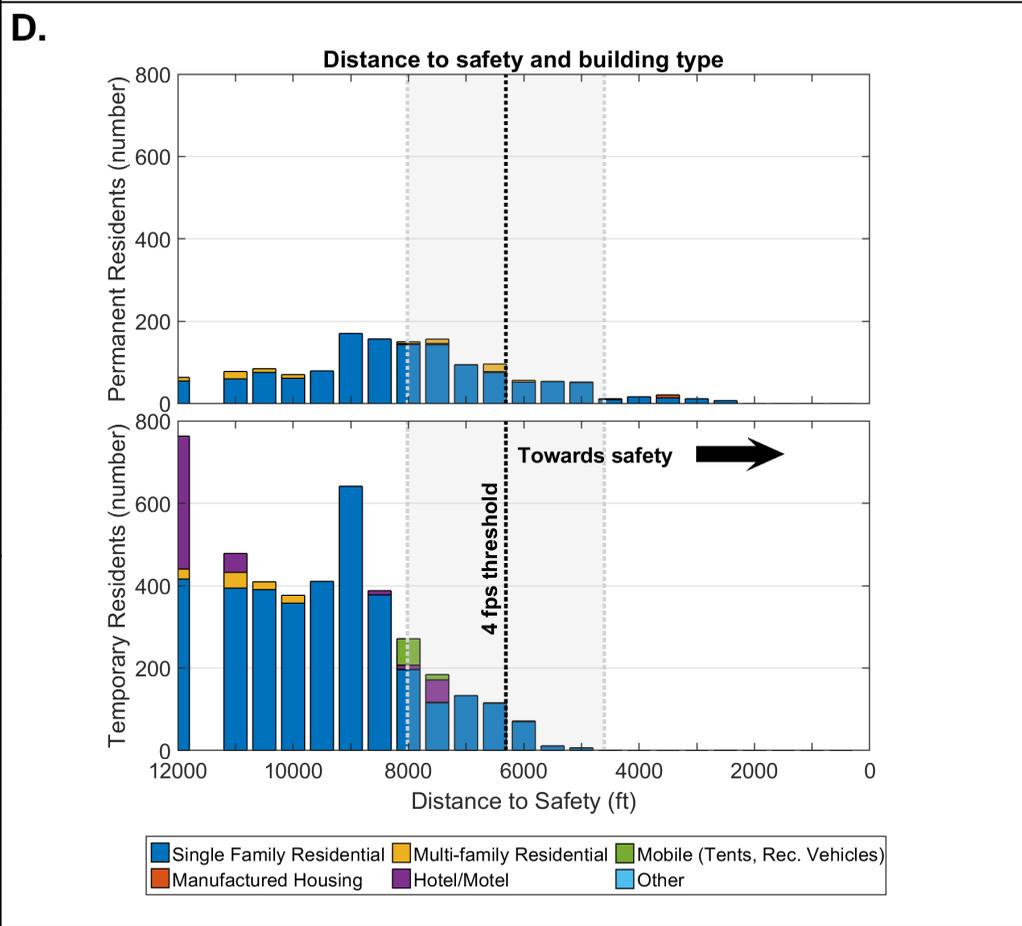
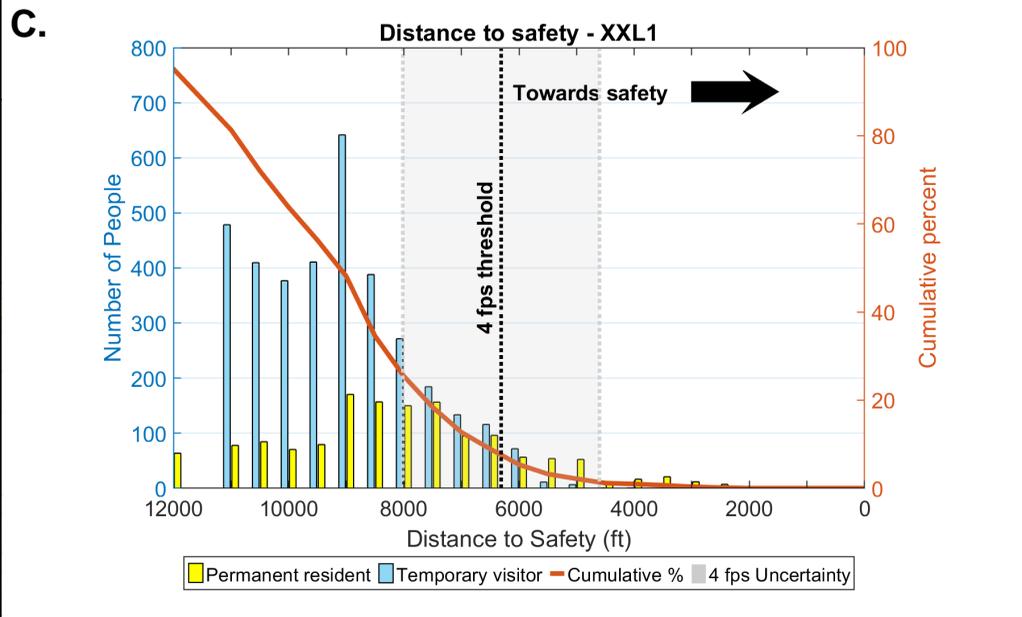
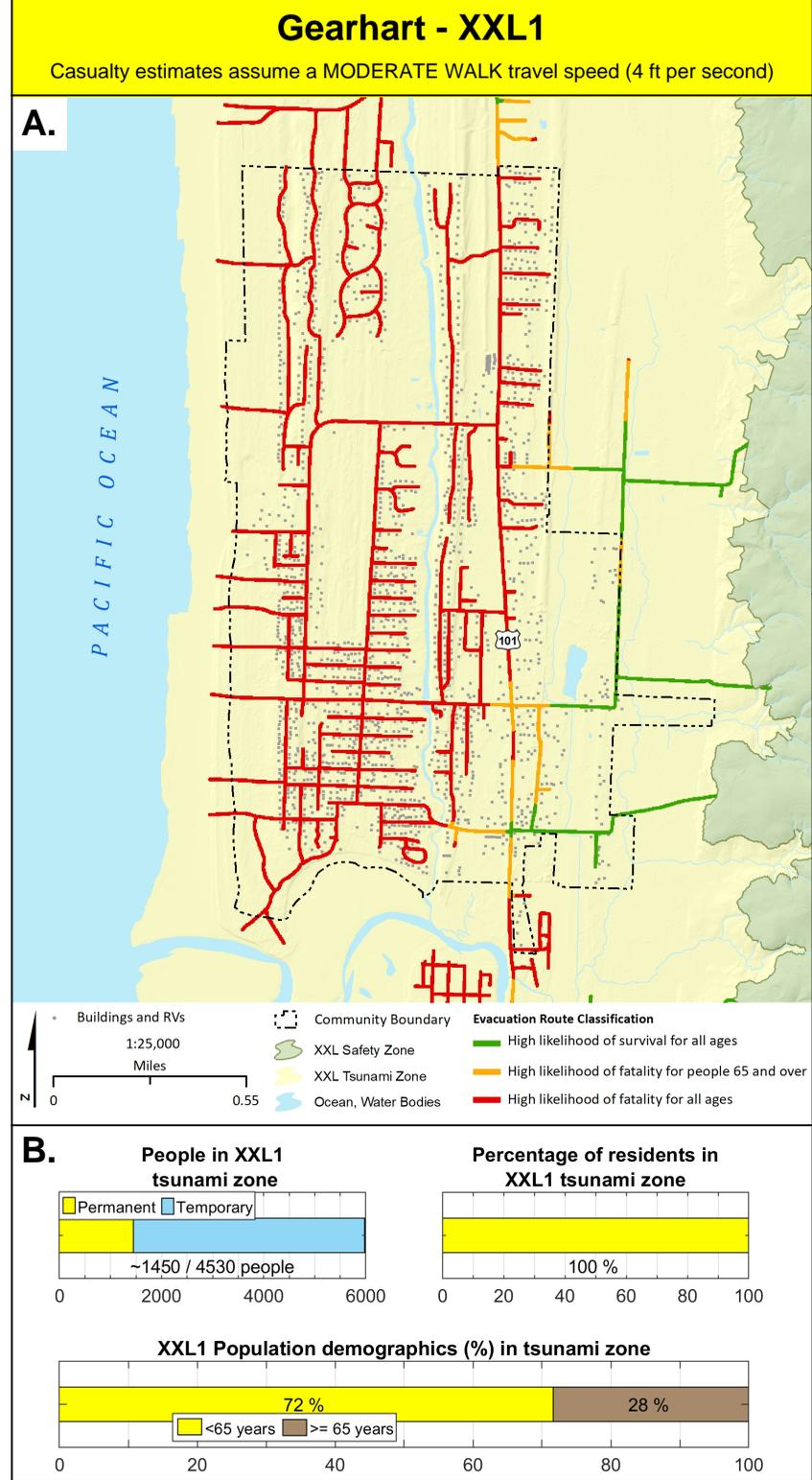
Gearhart - M1

Casualty estimates assume a MODERATE WALK travel speed (4 ft per second)



Description	Total
Earthquake Injuries (Entire Community)	74
Tsunami Injuries - Permanent + Temporary	1
Tsunami Fatalities - Permanent	2
Tsunami Fatalities - Temporary @ ~100% occupancy	1
Displaced Population - Permanent	641
Displaced Population - Permanent + Temporary	1,891

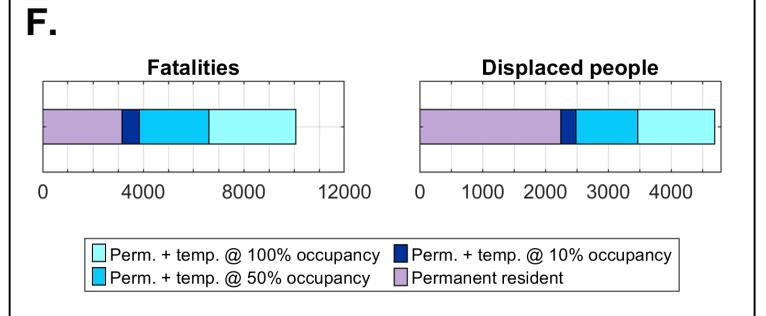
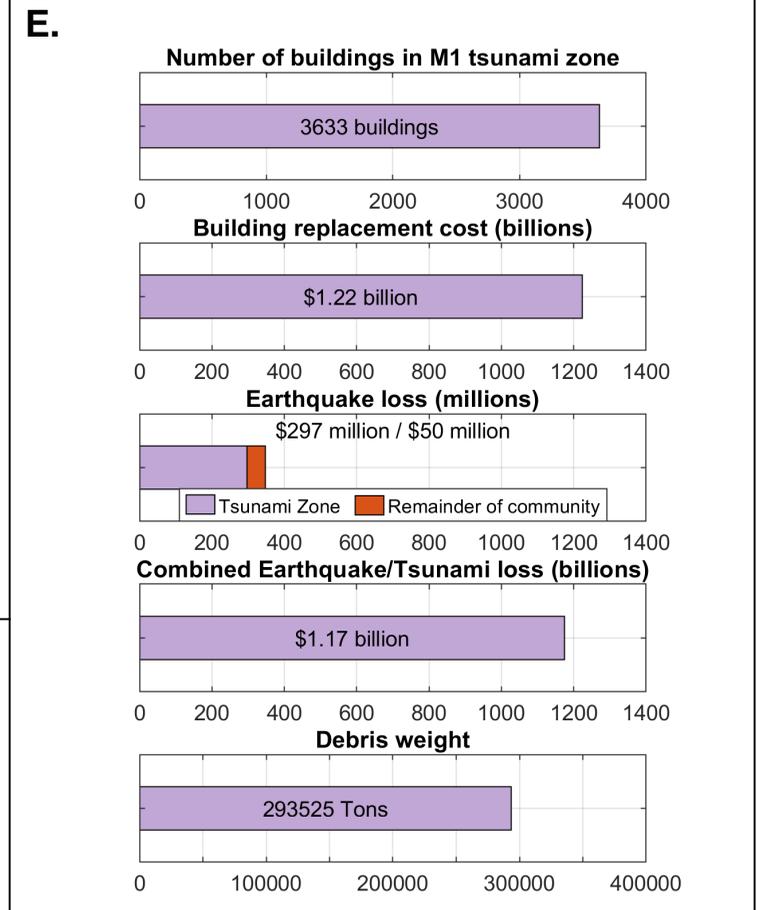
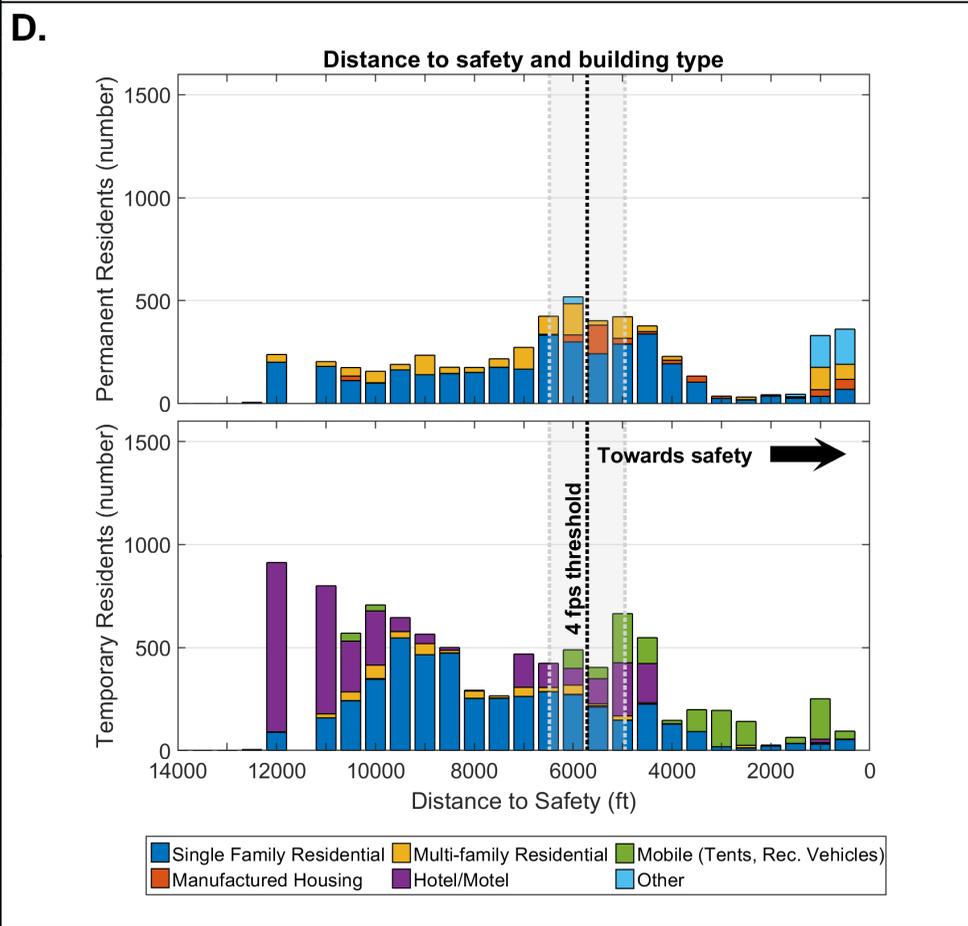
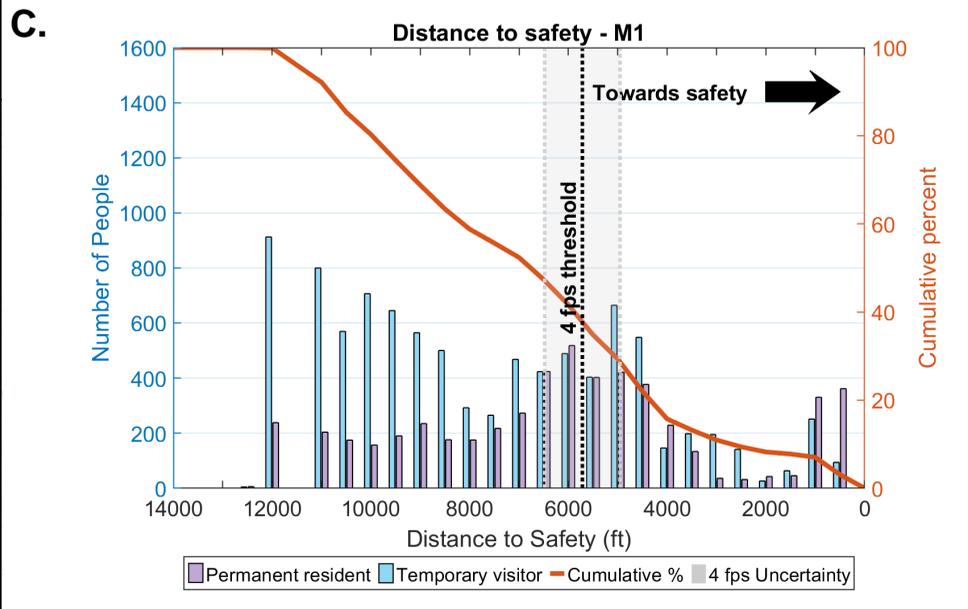
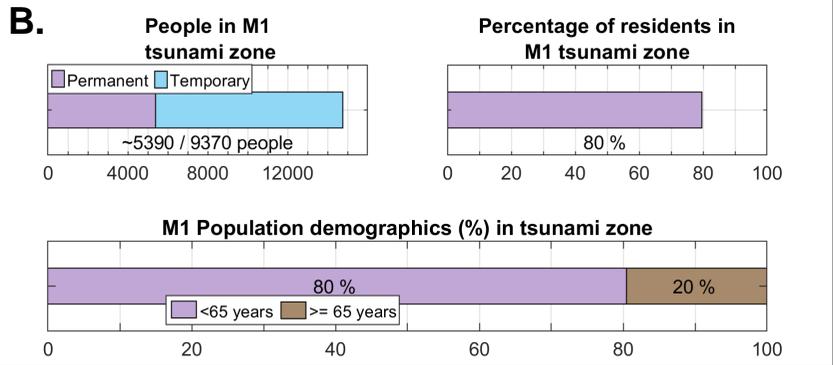
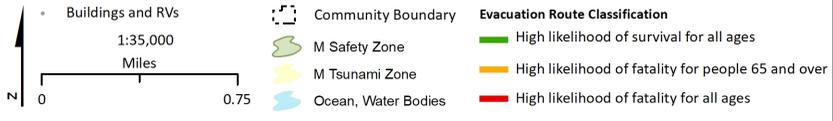
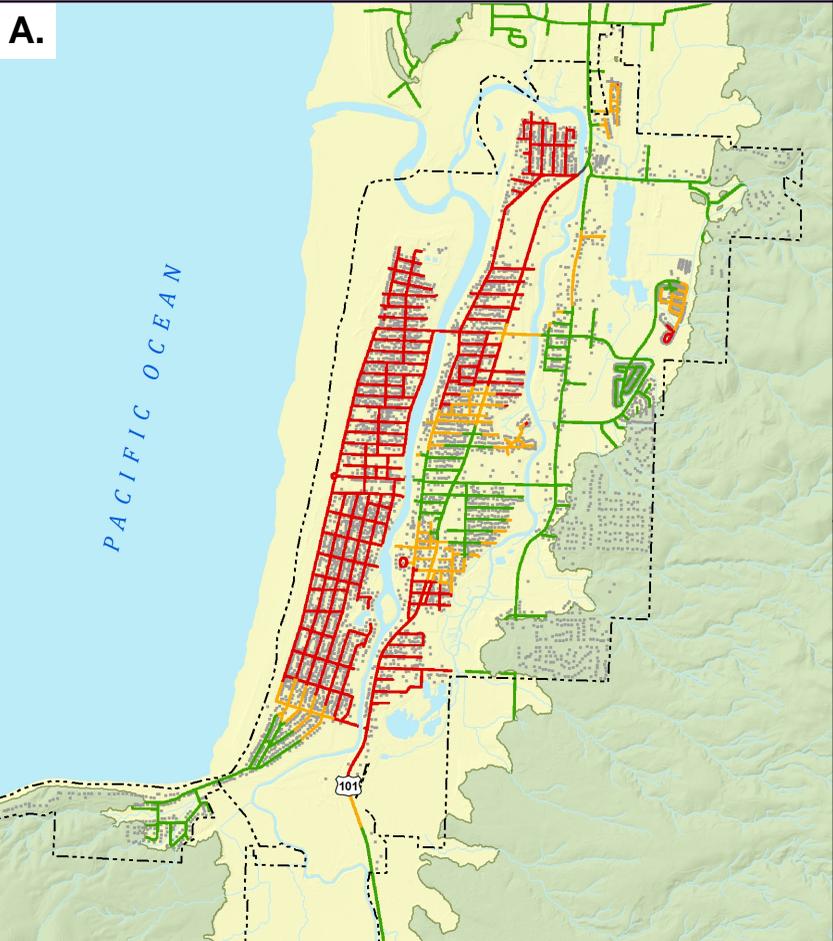




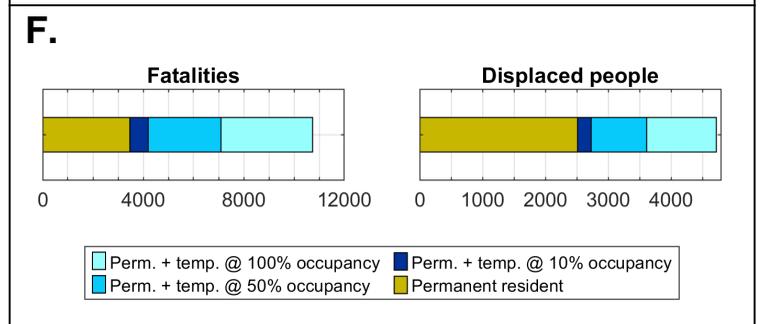
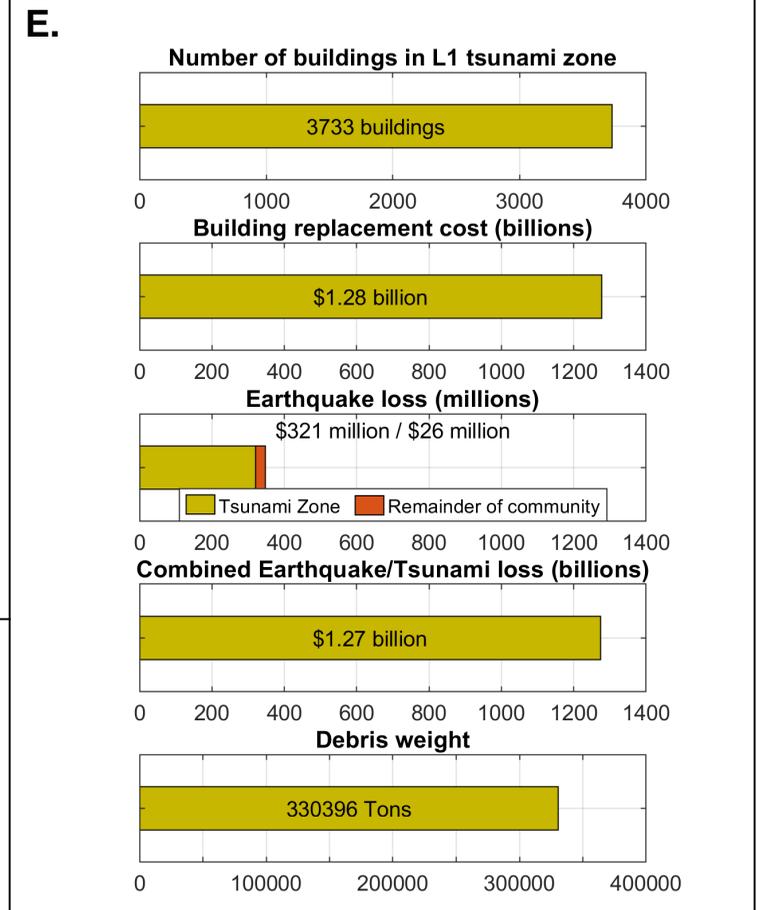
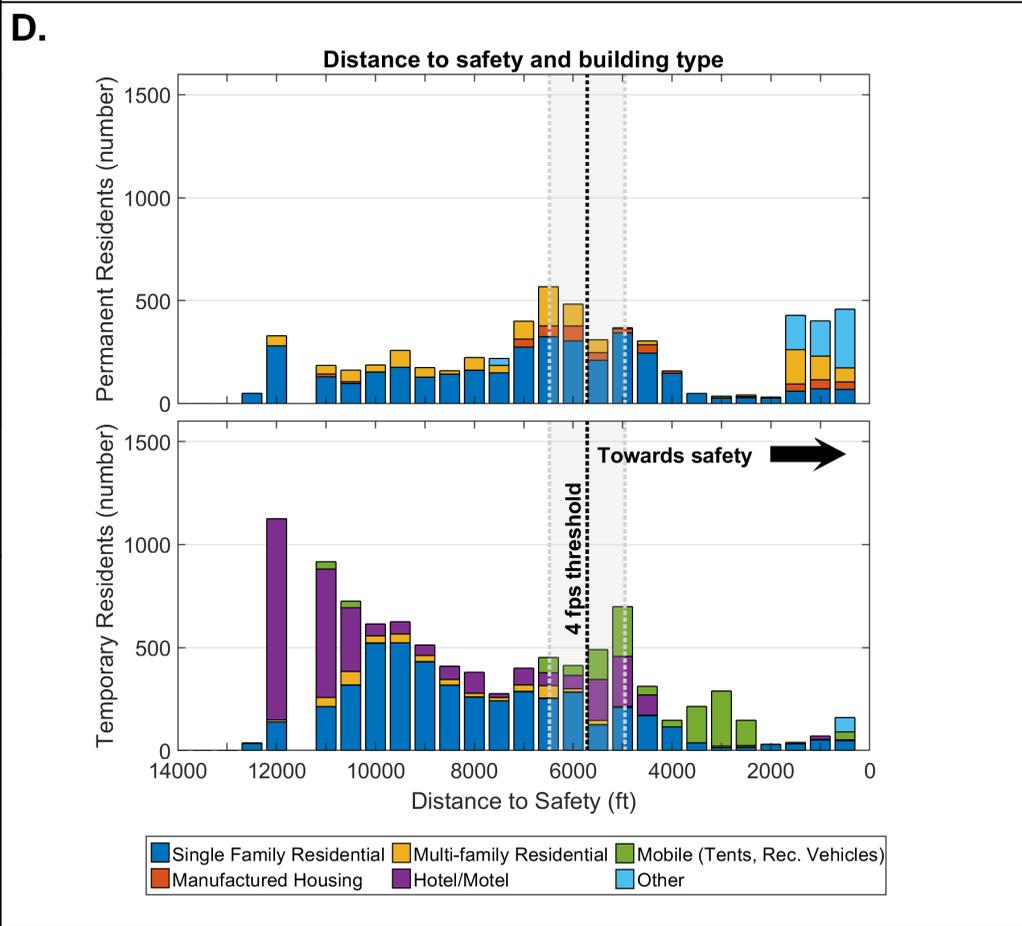
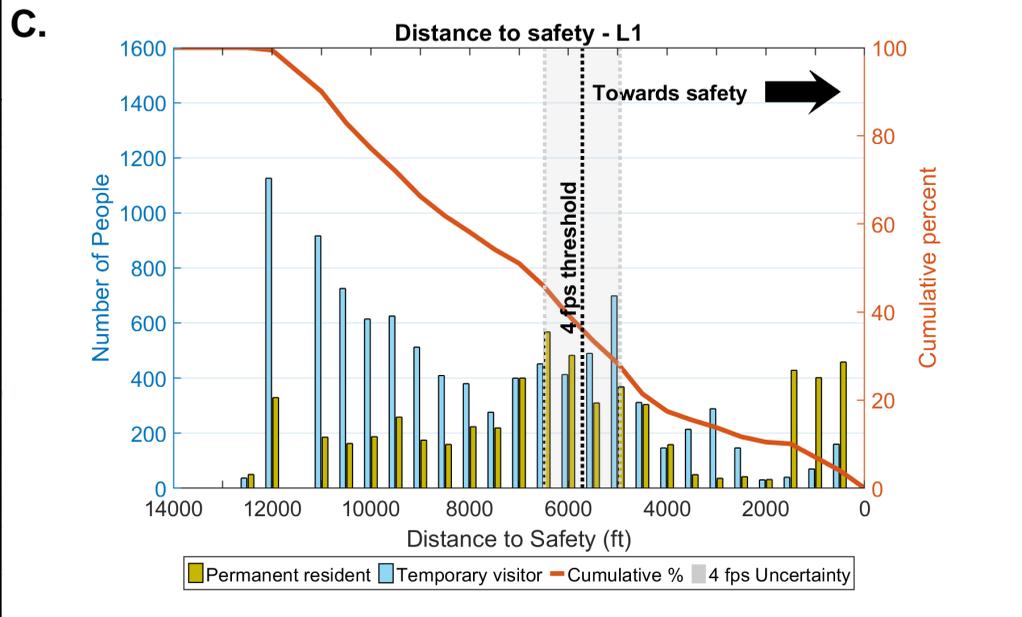
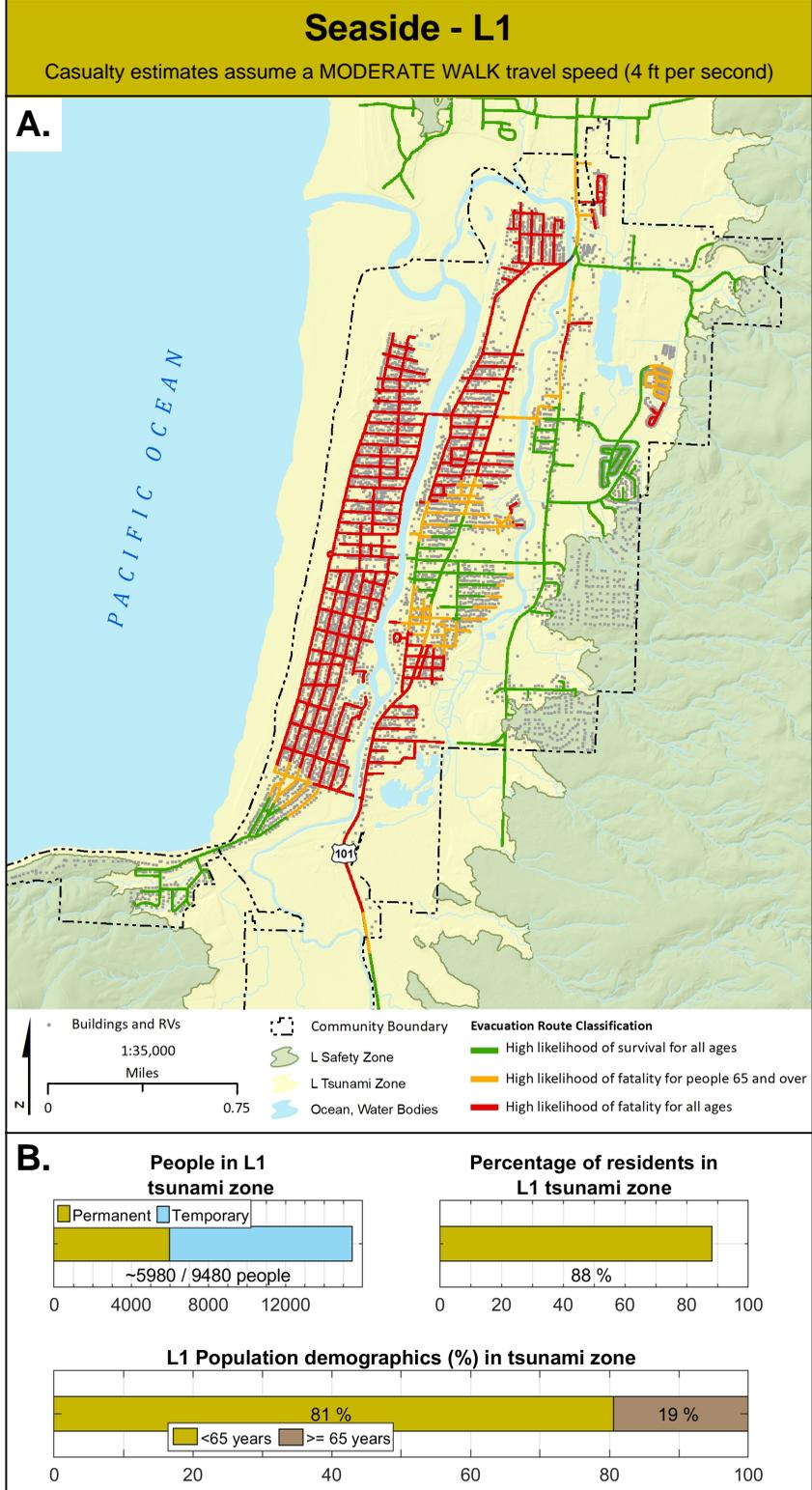
Description	Total
Earthquake Injuries (Entire Community)	74
Tsunami Injuries - Permanent + Temporary	82
Tsunami Fatalities - Permanent	1,212
Tsunami Fatalities - Temporary @ ~100% occupancy	4,436
Displaced Population - Permanent	235
Displaced Population - Permanent + Temporary	331

Seaside - M1

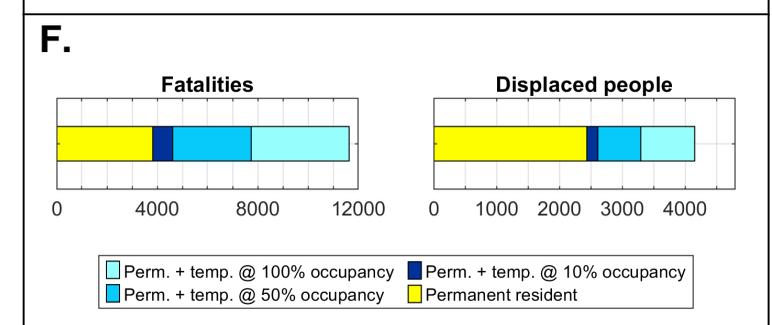
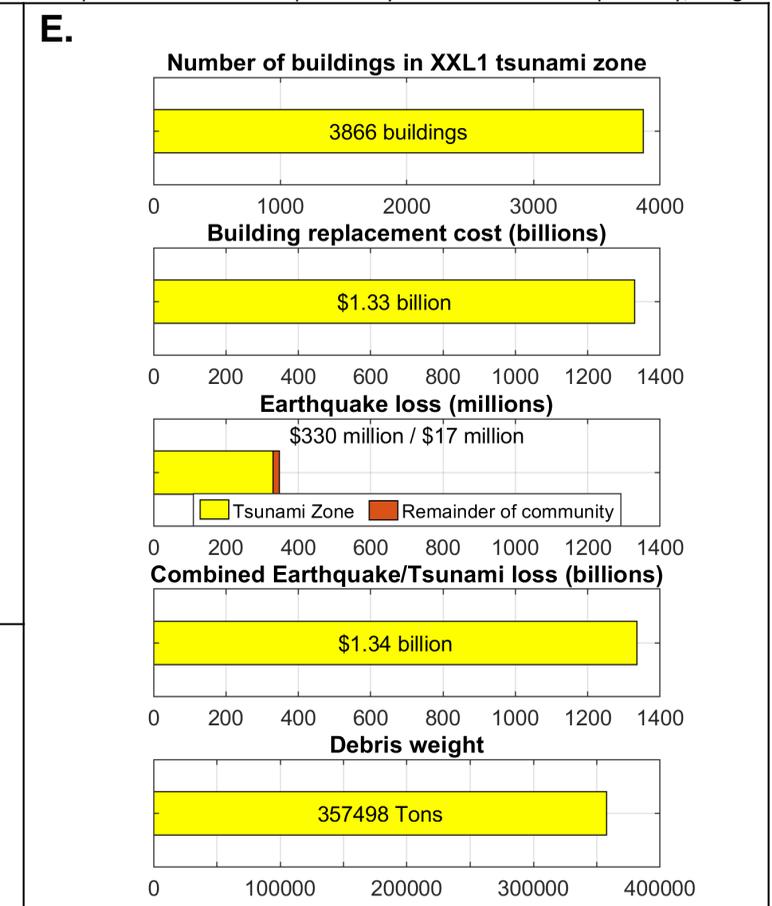
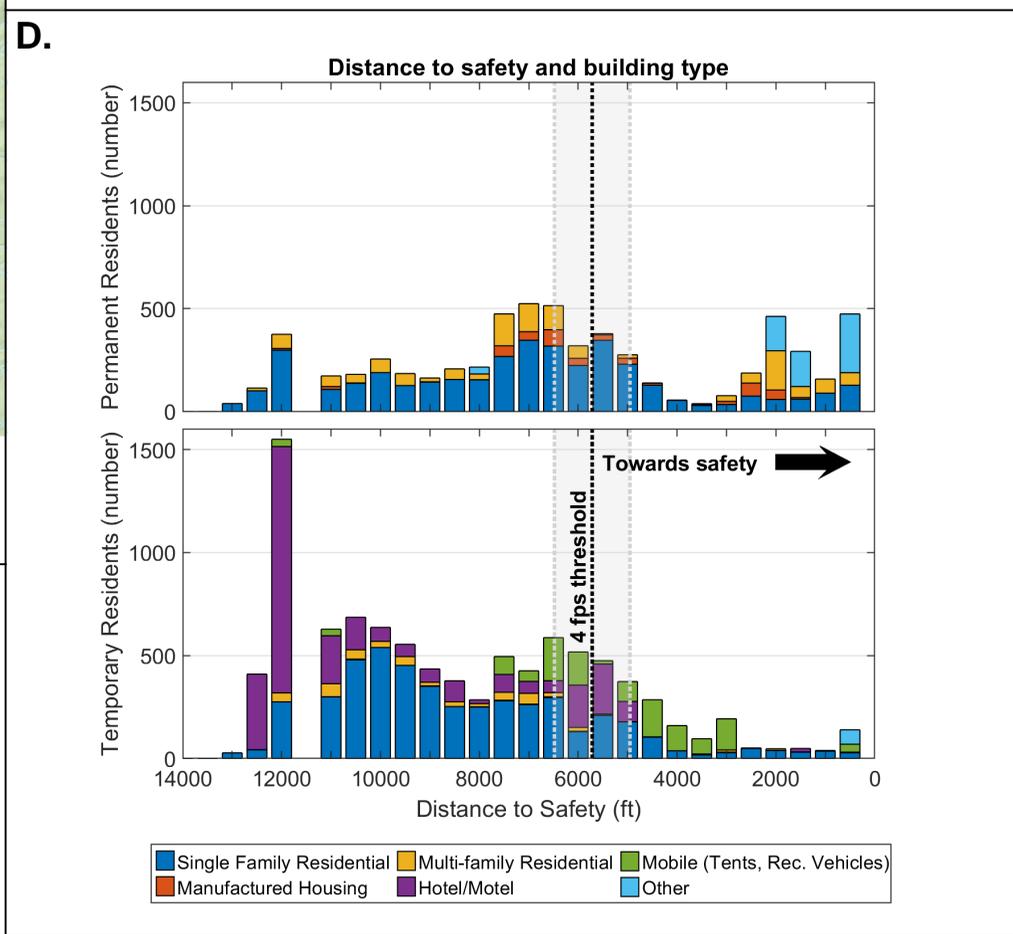
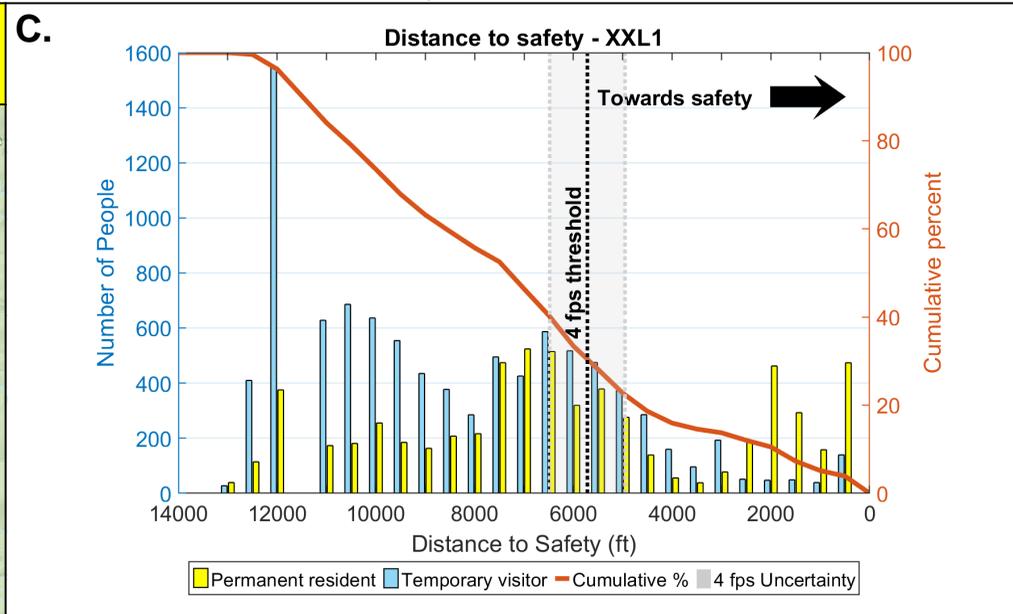
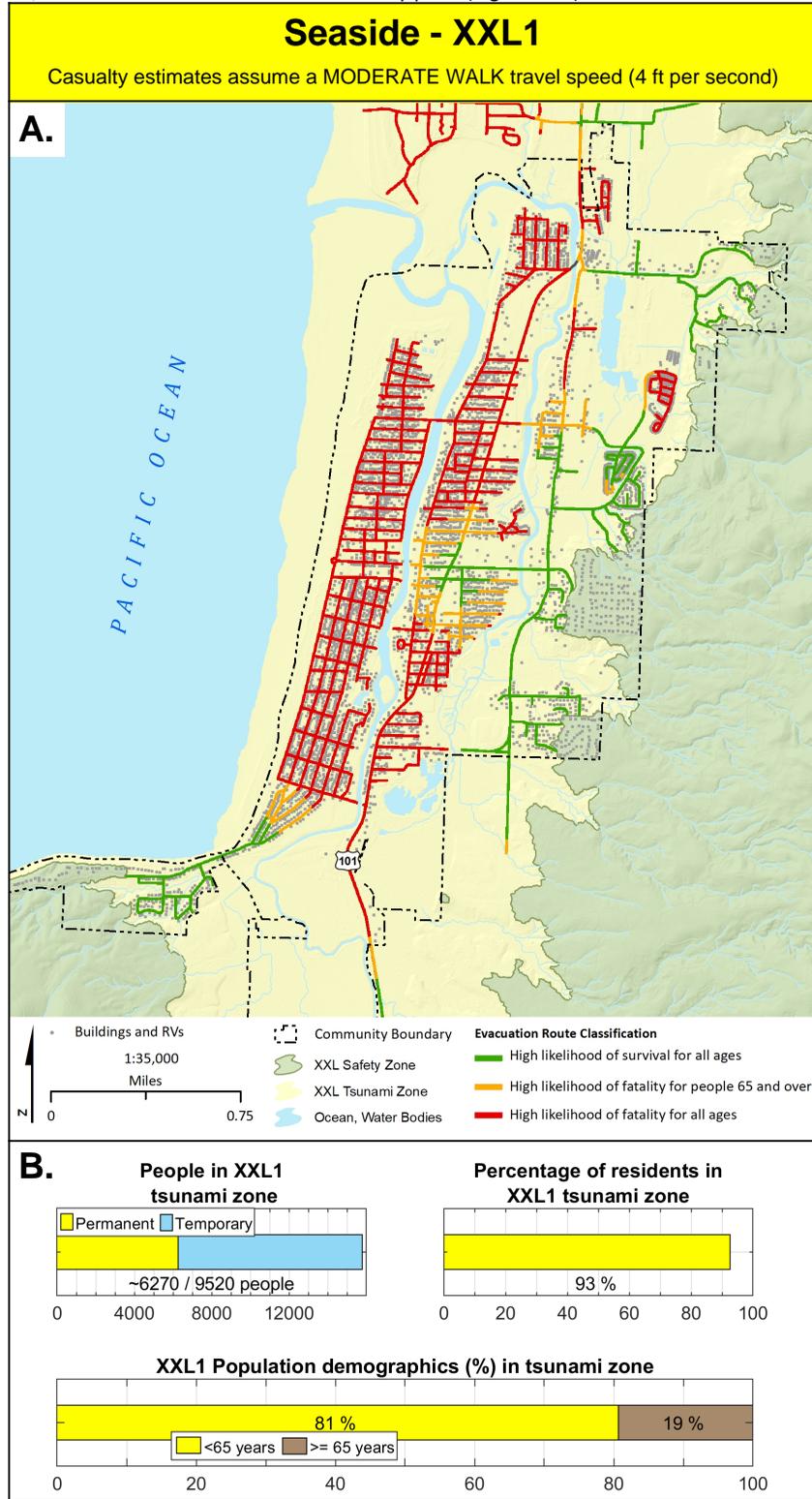
Casualty estimates assume a MODERATE WALK travel speed (4 ft per second)



Description	Total
Earthquake Injuries (Entire Community)	209
Tsunami Injuries - Permanent + Temporary	283
Tsunami Fatalities - Permanent	3,151
Tsunami Fatalities - Temporary @ ~100% occupancy	6,914
Displaced Population - Permanent	2,243
Displaced Population - Permanent + Temporary	4,696



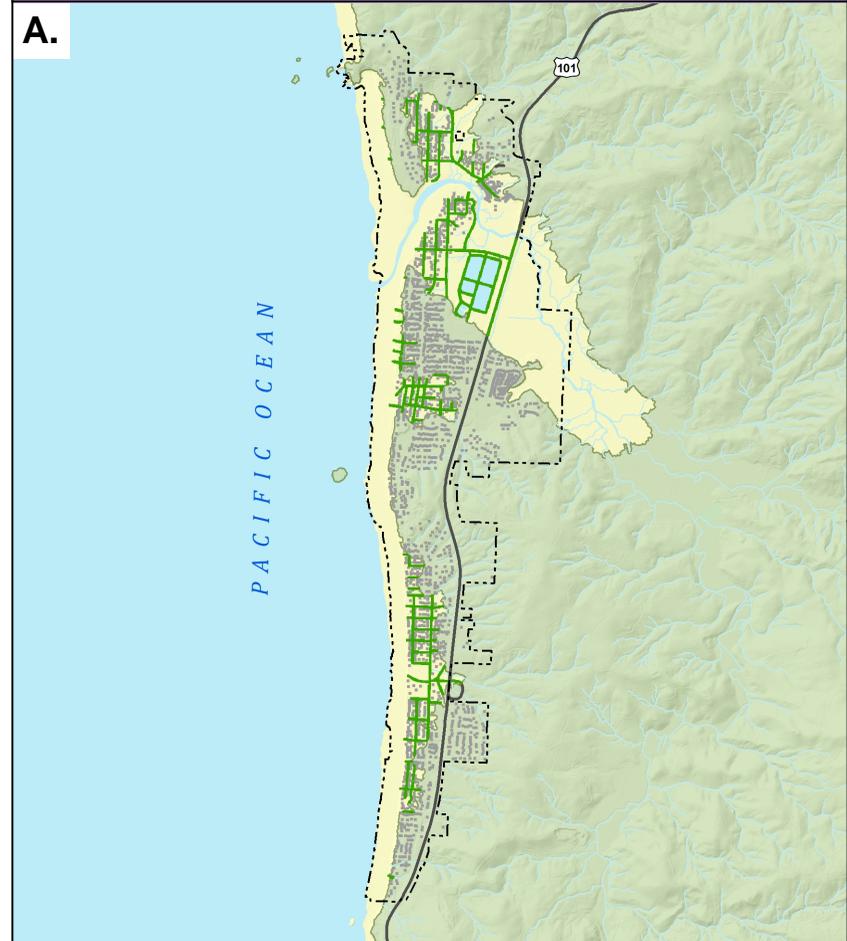
Description	Total
Earthquake Injuries (Entire Community)	209
Tsunami Injuries - Permanent + Temporary	276
Tsunami Fatalities - Permanent	3,471
Tsunami Fatalities - Temporary @ ~100% occupancy	7,262
Displaced Population - Permanent	2,509
Displaced Population - Permanent + Temporary	4,723



Description	Total
Earthquake Injuries (Entire Community)	209
Tsunami Injuries - Permanent + Temporary	265
Tsunami Fatalities - Permanent	3,833
Tsunami Fatalities - Temporary @ ~100% occupancy	7,796
Displaced Population - Permanent	2,439
Displaced Population - Permanent + Temporary	4,158

Cannon Beach - M1

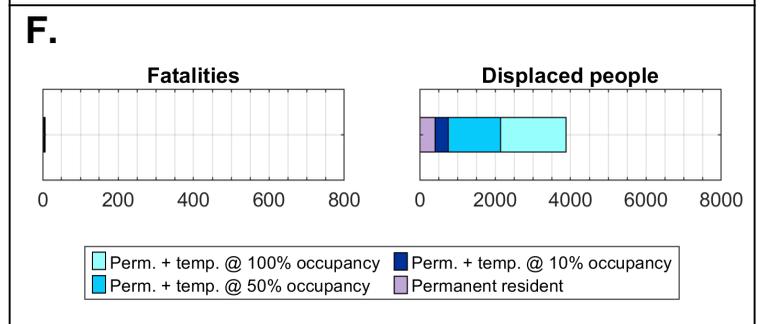
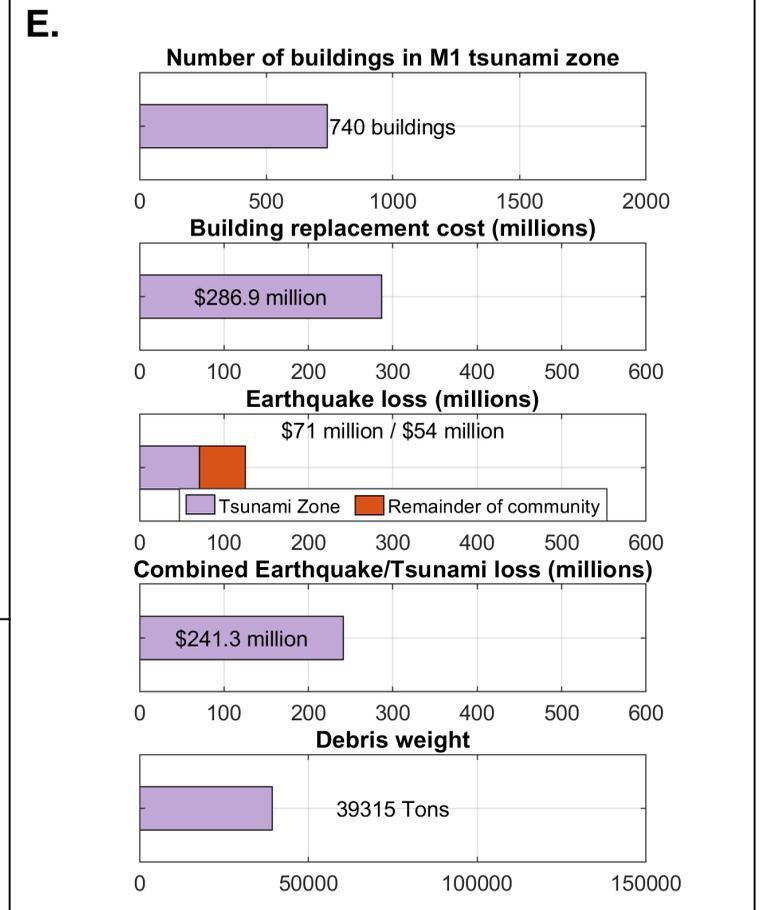
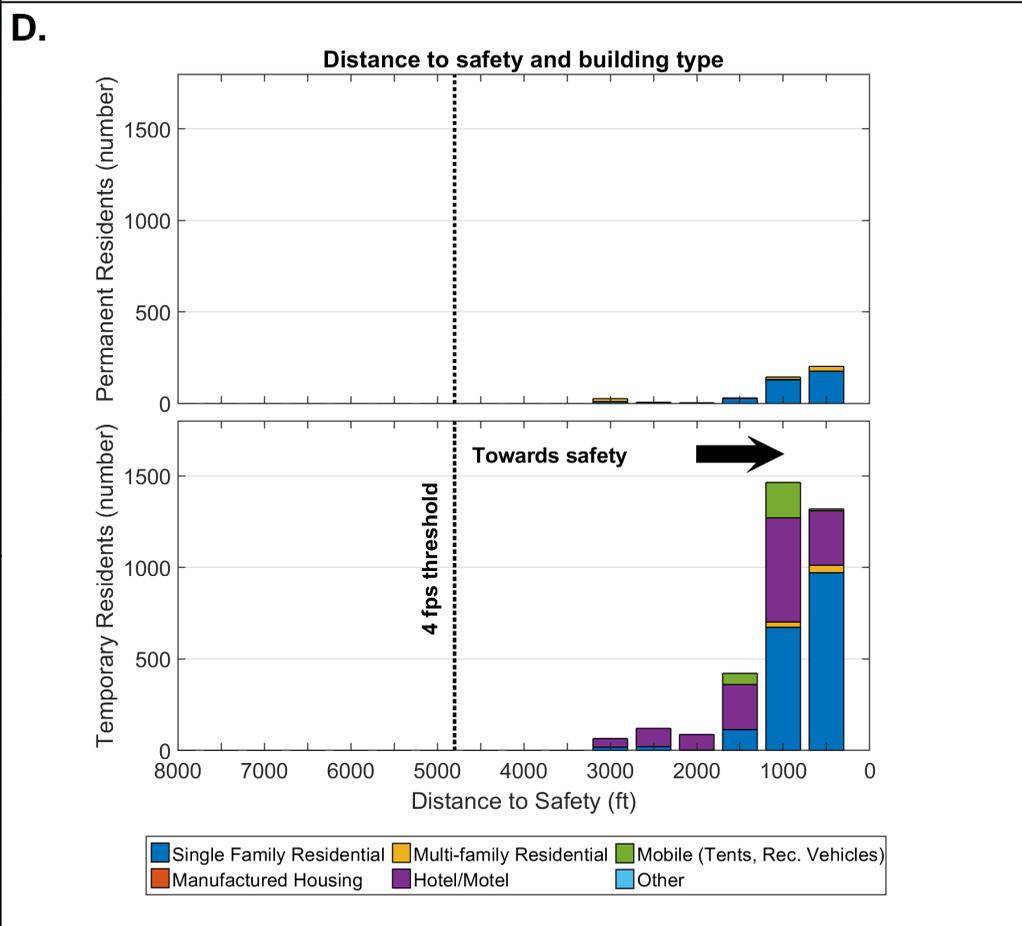
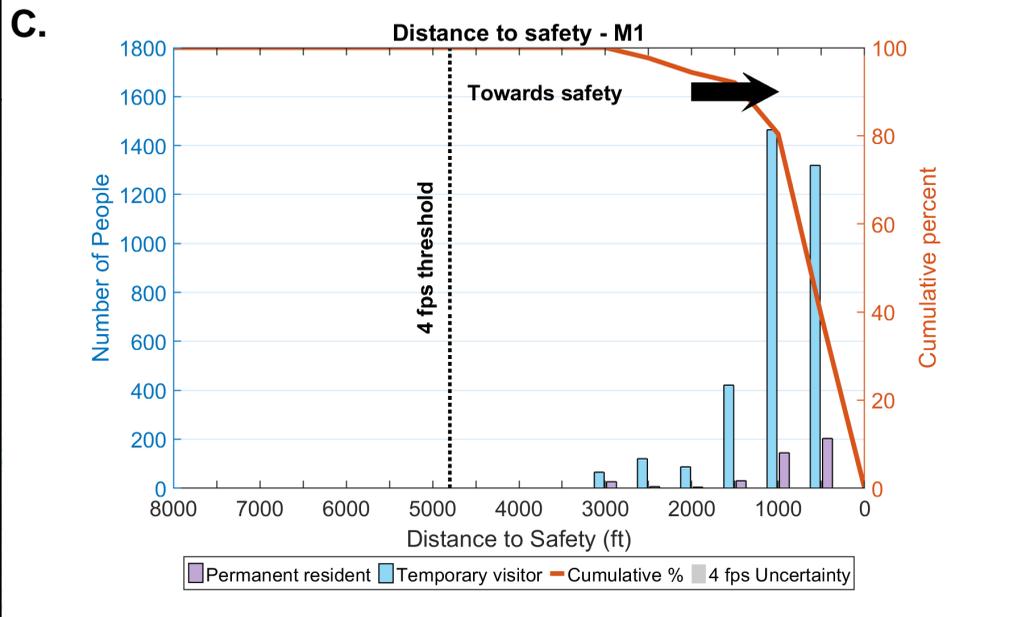
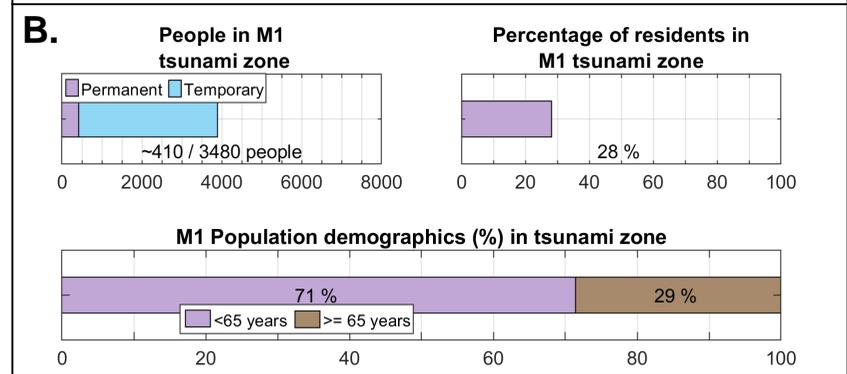
Casualty estimates assume a MODERATE WALK travel speed (4 ft per second)



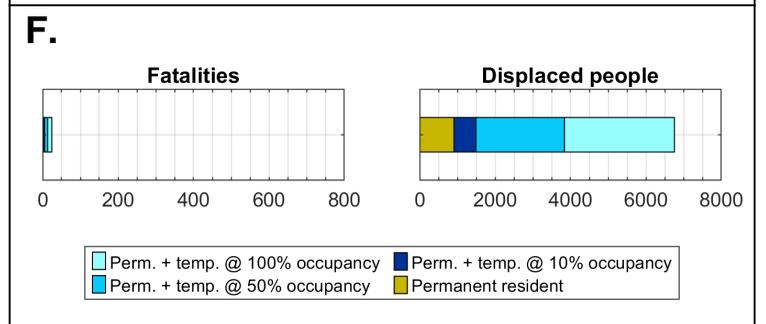
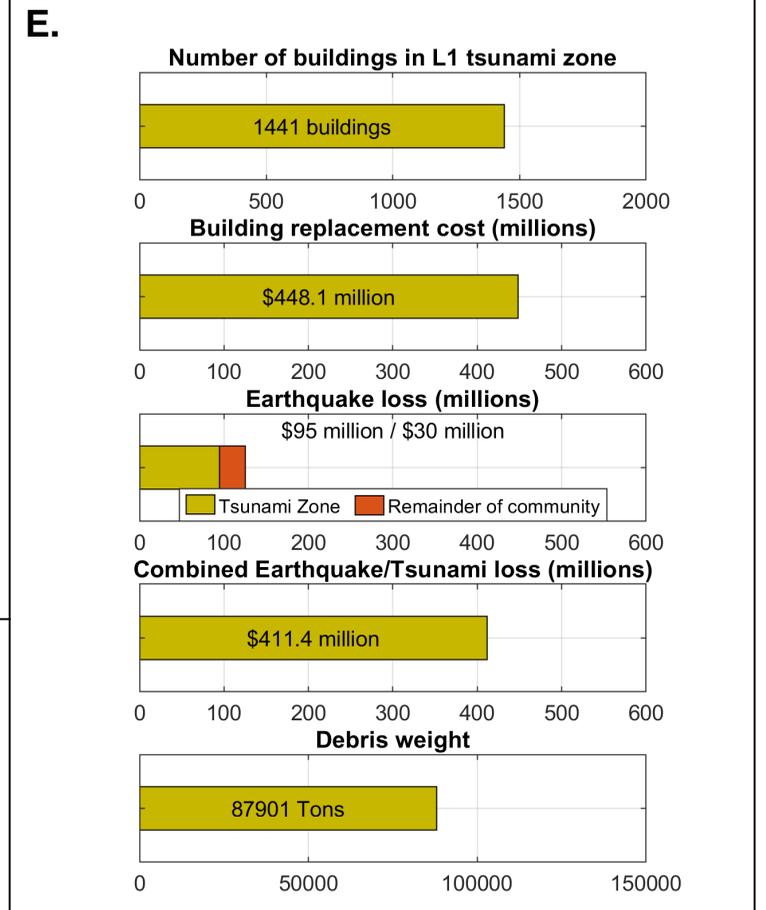
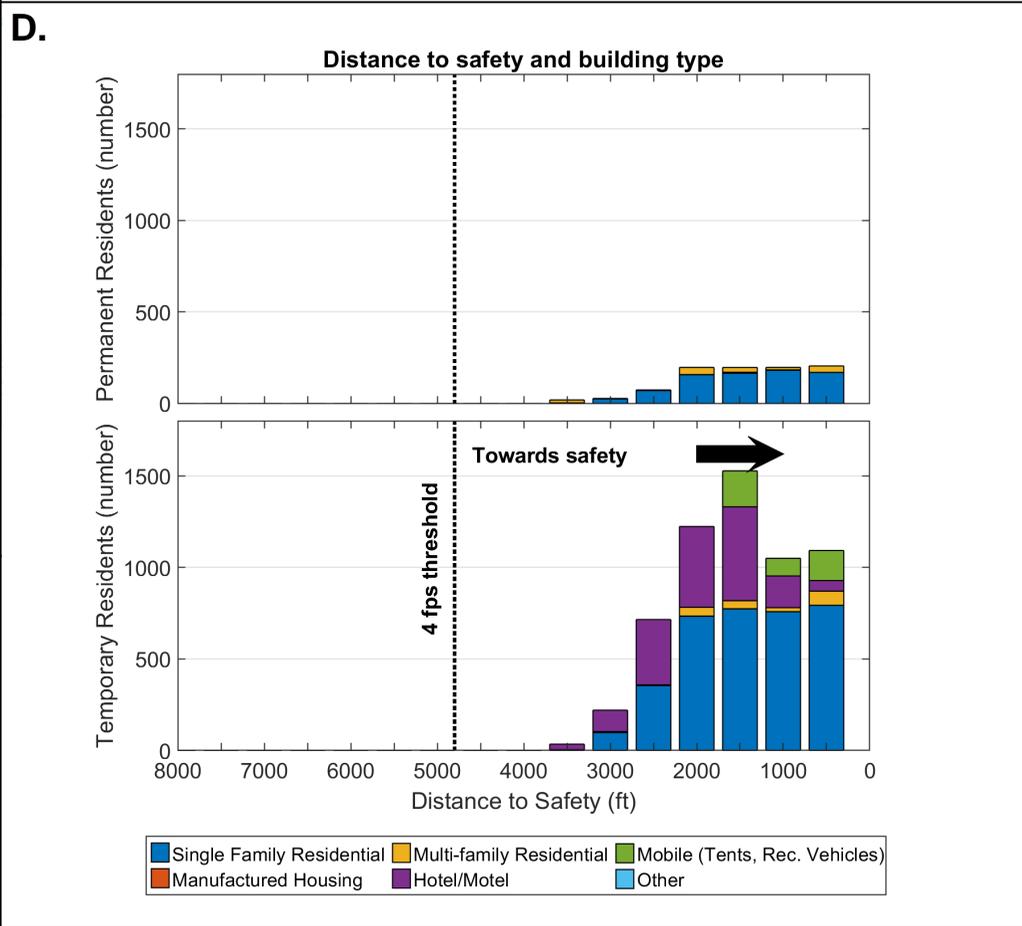
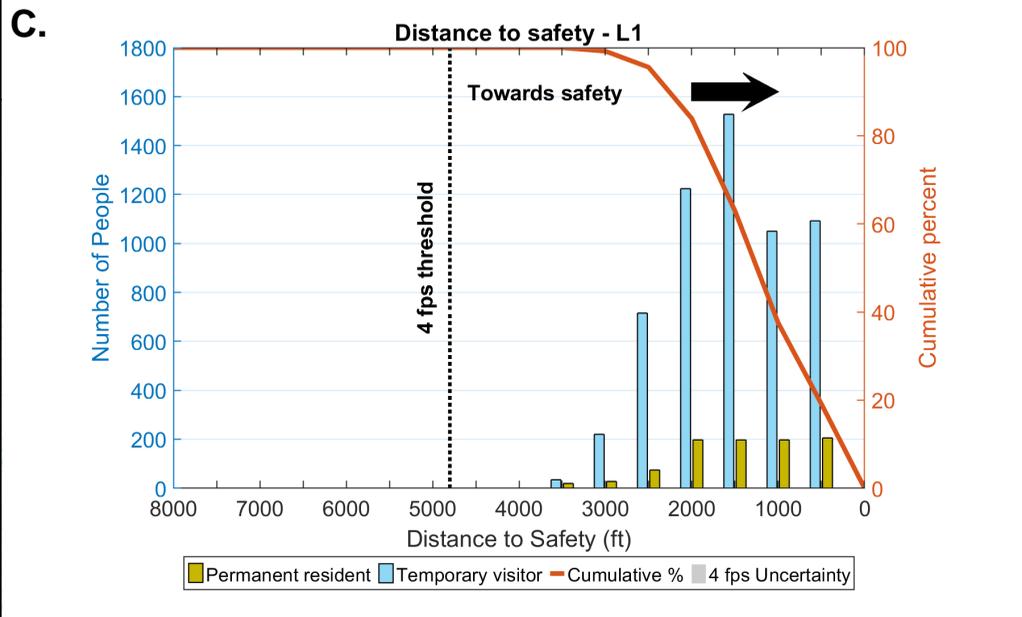
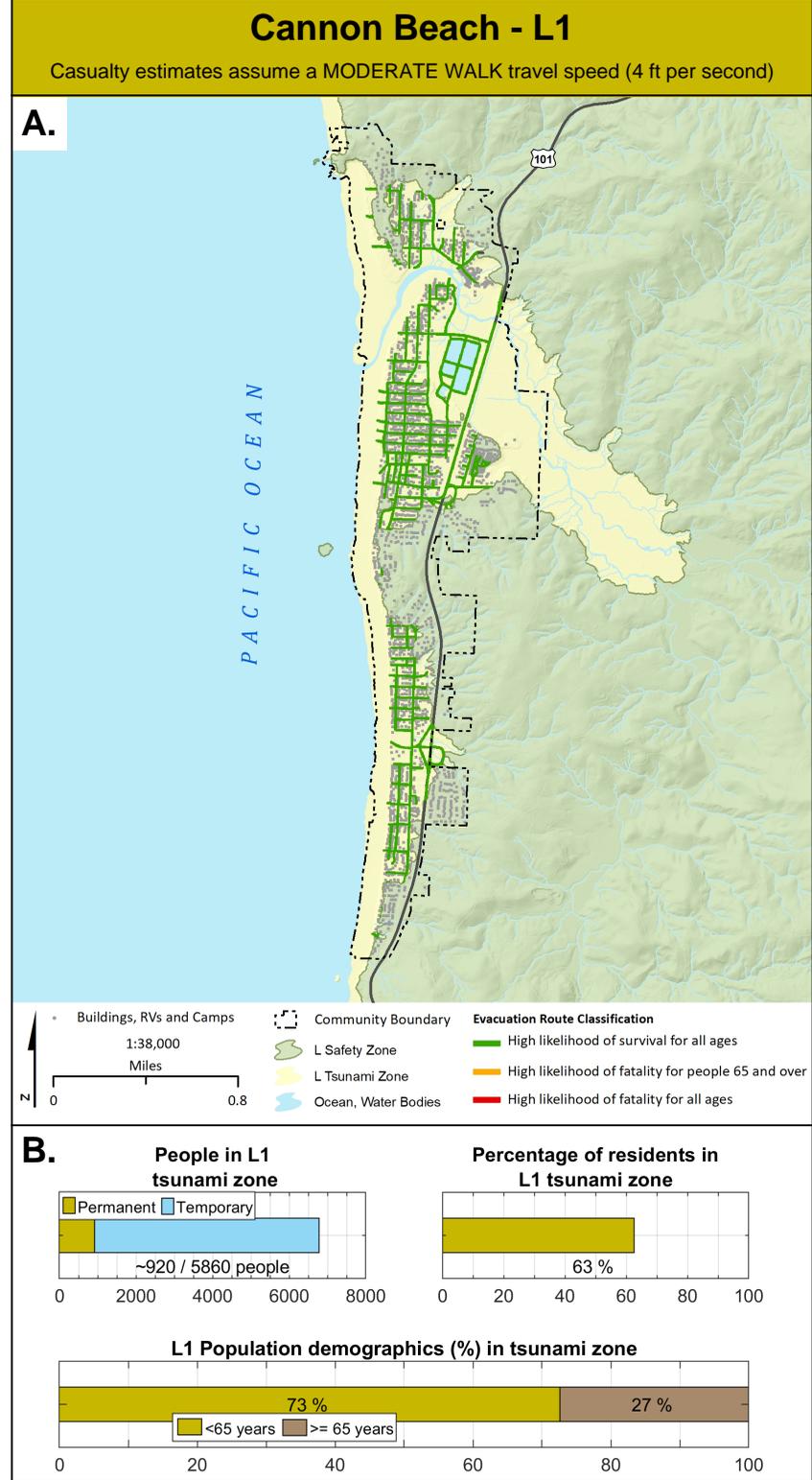
Buildings, RVs and Camps
 1:38,000
 Miles
 0 0.8

Community Boundary
 M Safety Zone
 M Tsunami Zone
 Ocean, Water Bodies

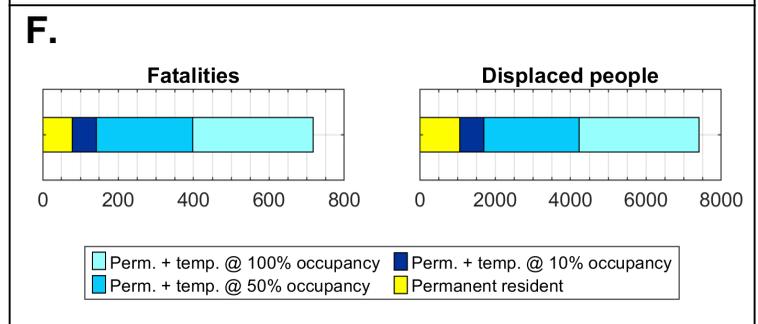
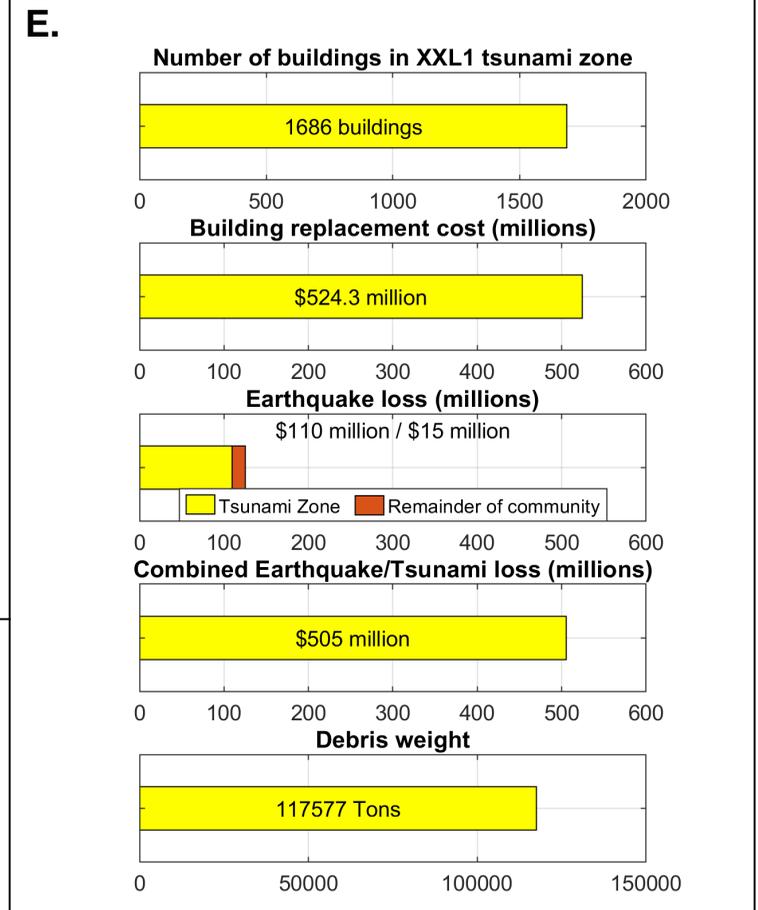
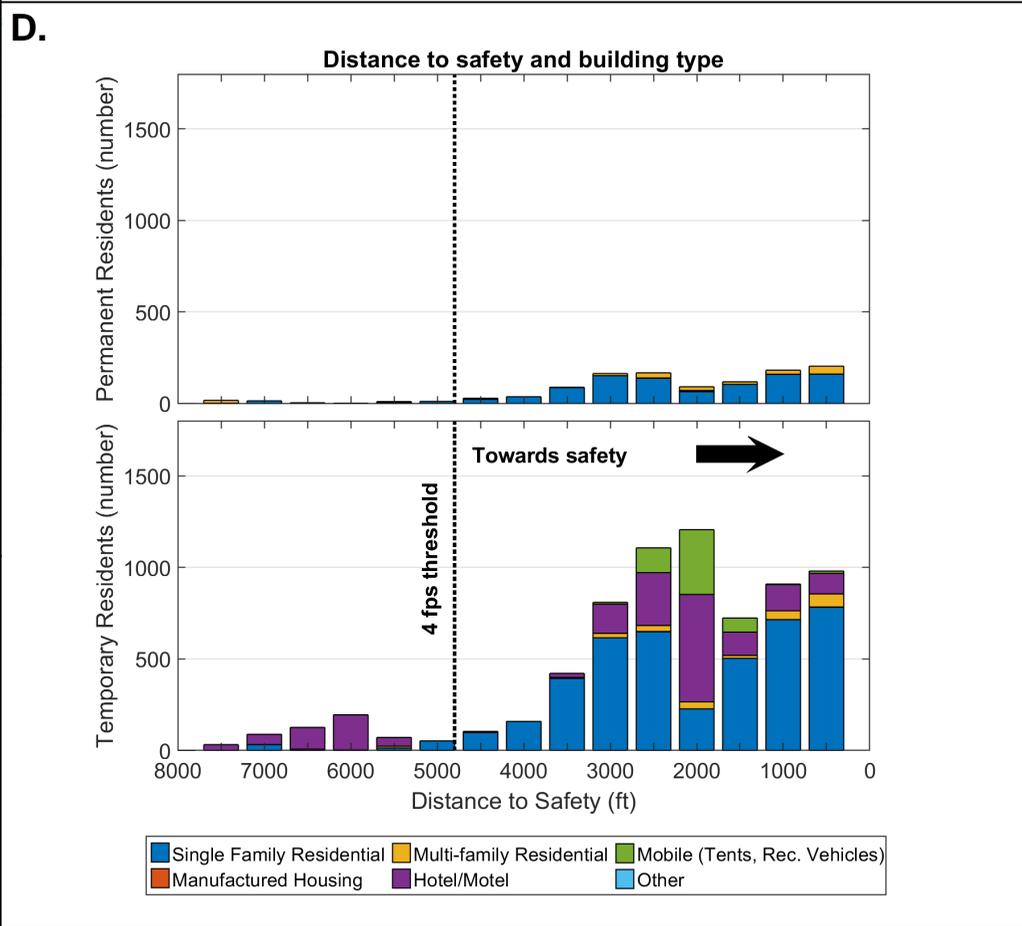
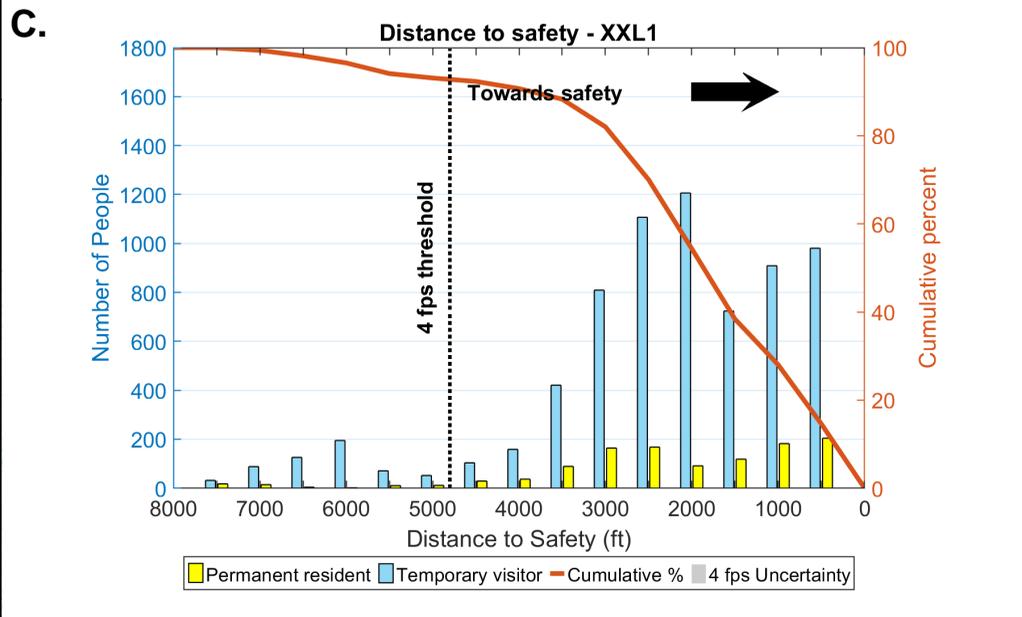
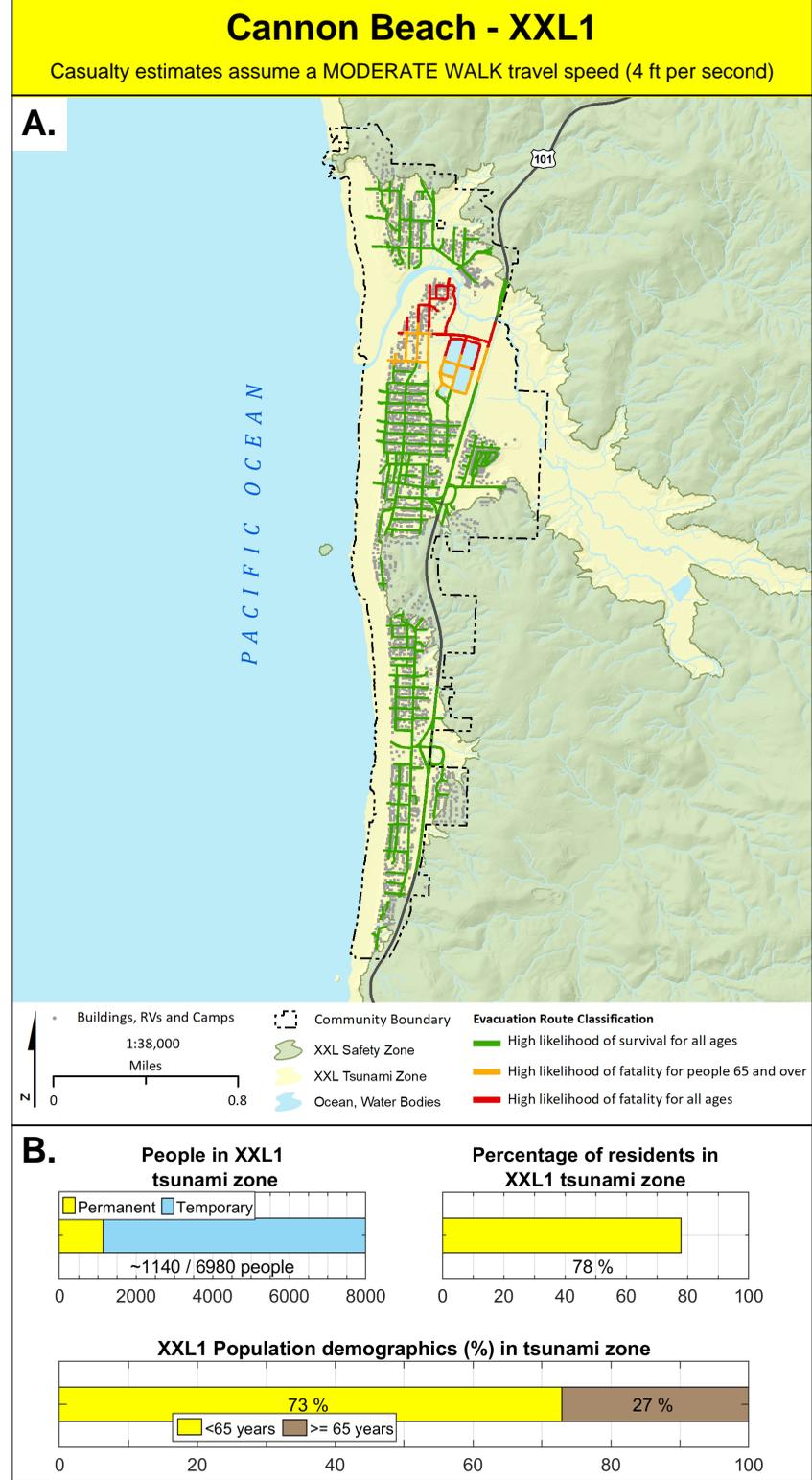
Evacuation Route Classification
 High likelihood of survival for all ages
 High likelihood of fatality for people 65 and over
 High likelihood of fatality for all ages



Description	Total
Earthquake Injuries (Entire Community)	100
Tsunami Injuries - Permanent + Temporary	1
Tsunami Fatalities - Permanent	1
Tsunami Fatalities - Temporary @ ~100% occupancy	5
Displaced Population - Permanent	414
Displaced Population - Permanent + Temporary	3,886



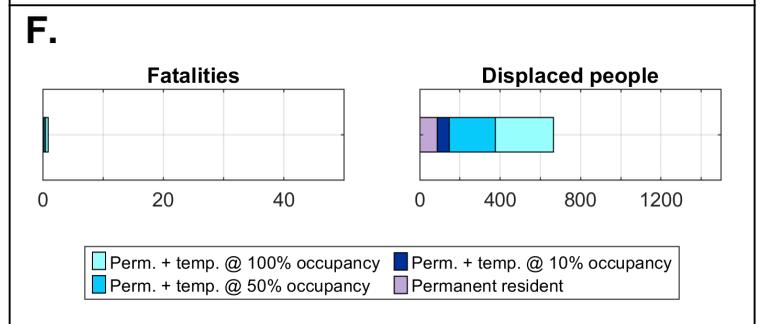
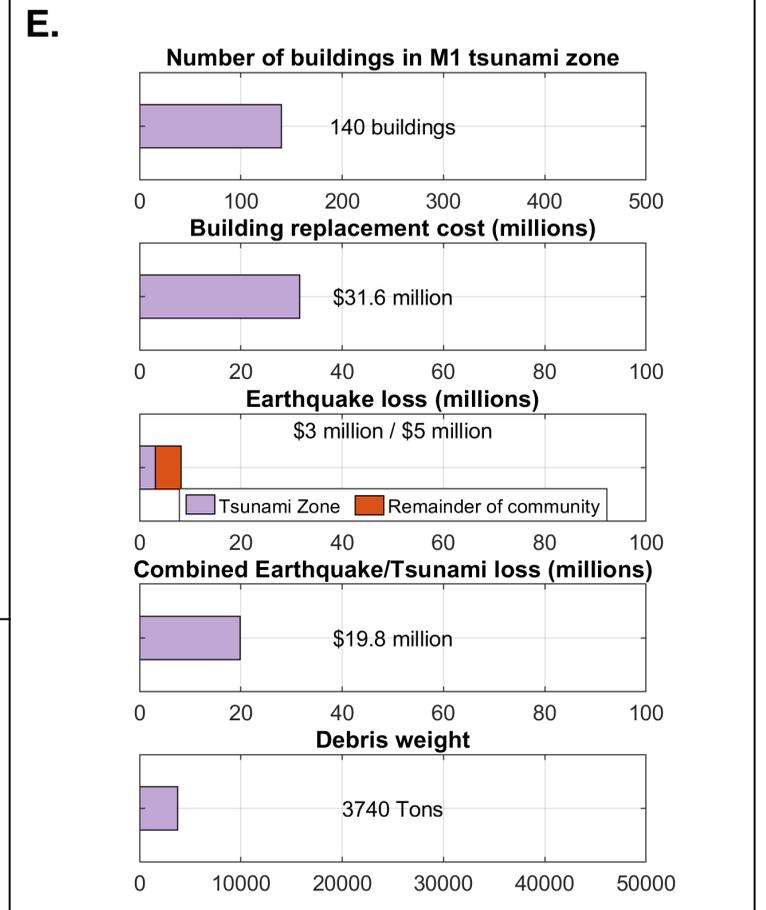
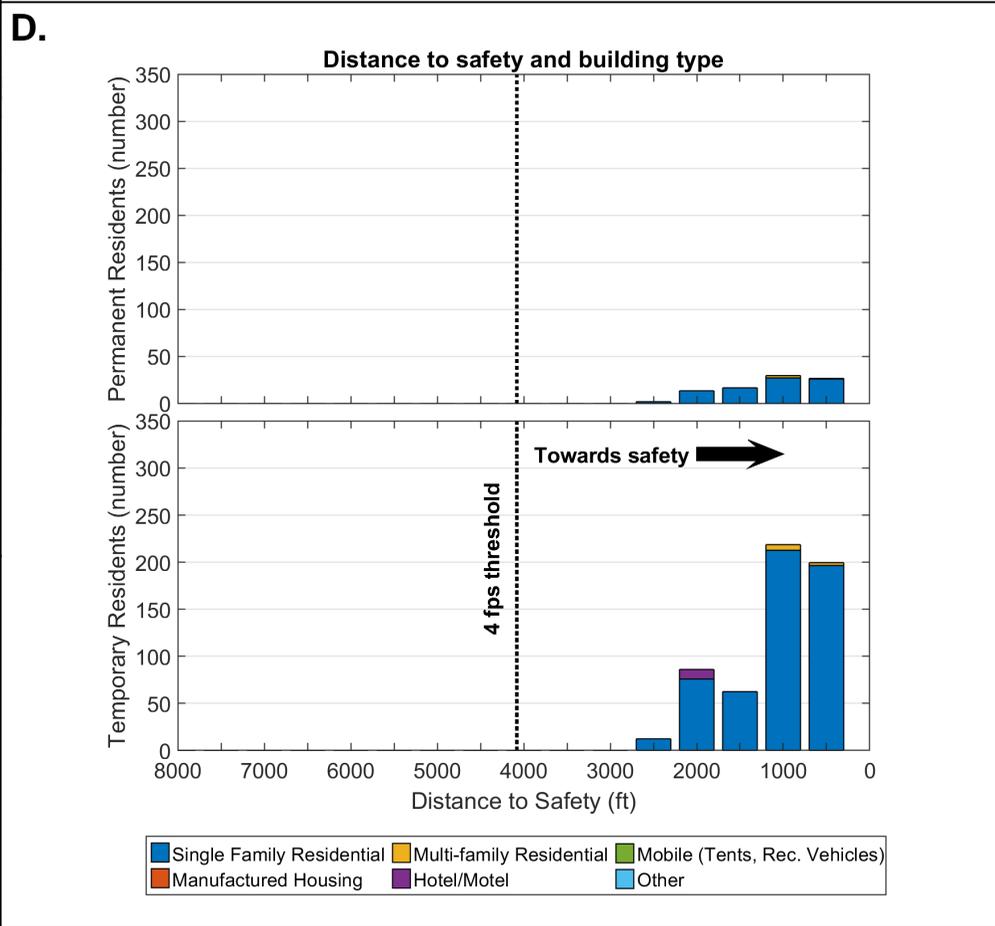
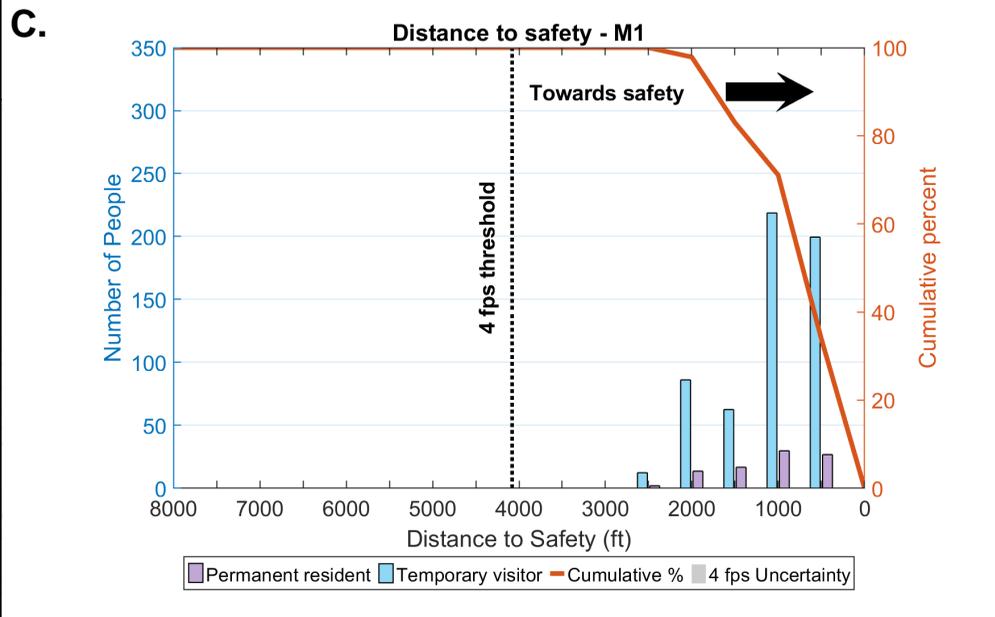
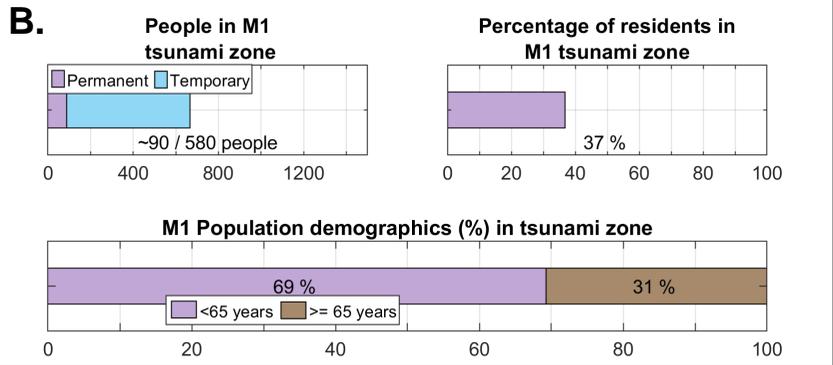
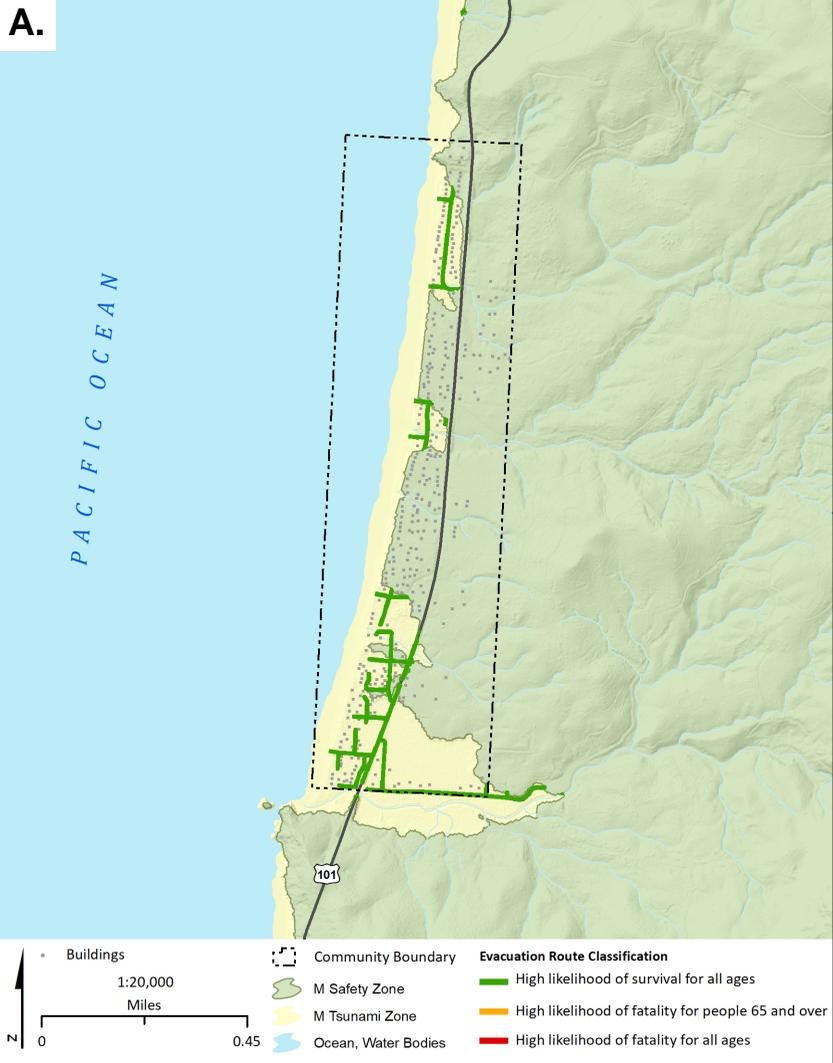
Description	Total
Earthquake Injuries (Entire Community)	100
Tsunami Injuries - Permanent + Temporary	5
Tsunami Fatalities - Permanent	3
Tsunami Fatalities - Temporary @ ~100% occupancy	20
Displaced Population - Permanent	914
Displaced Population - Permanent + Temporary	6,758



Description	Total
Earthquake Injuries (Entire Community)	100
Tsunami Injuries - Permanent + Temporary	44
Tsunami Fatalities - Permanent	78
Tsunami Fatalities - Temporary @ ~100% occupancy	639
Displaced Population - Permanent	1,063
Displaced Population - Permanent + Temporary	7,405

Arch Cape - M1

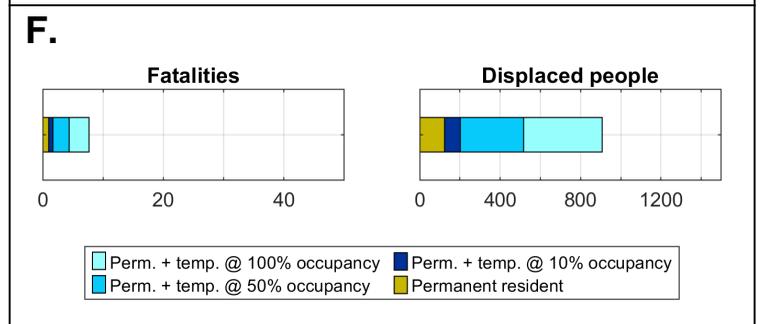
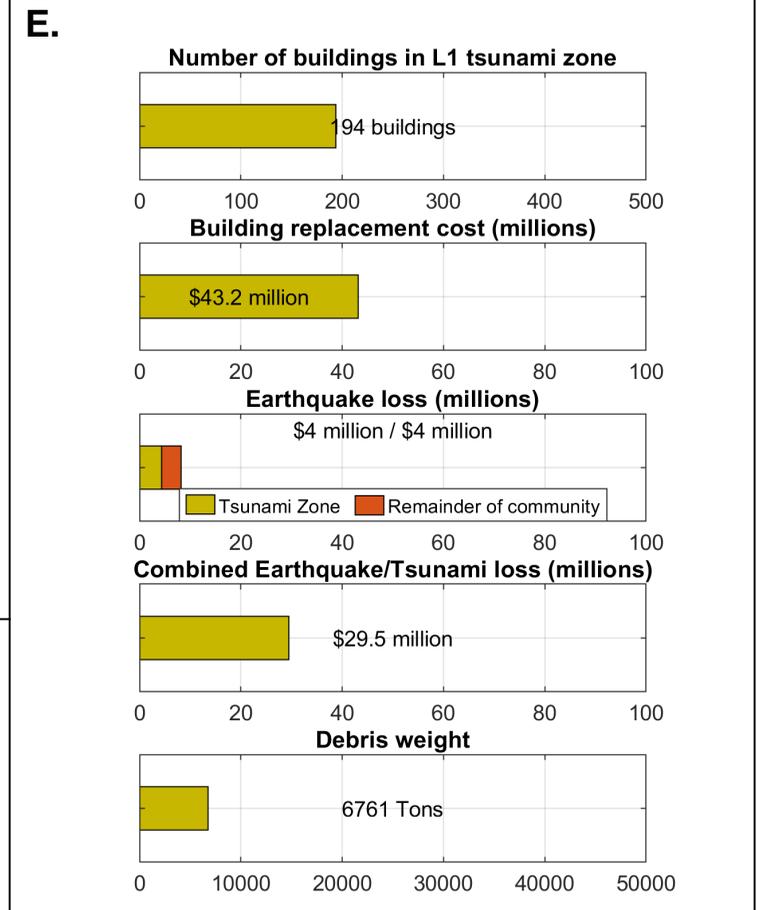
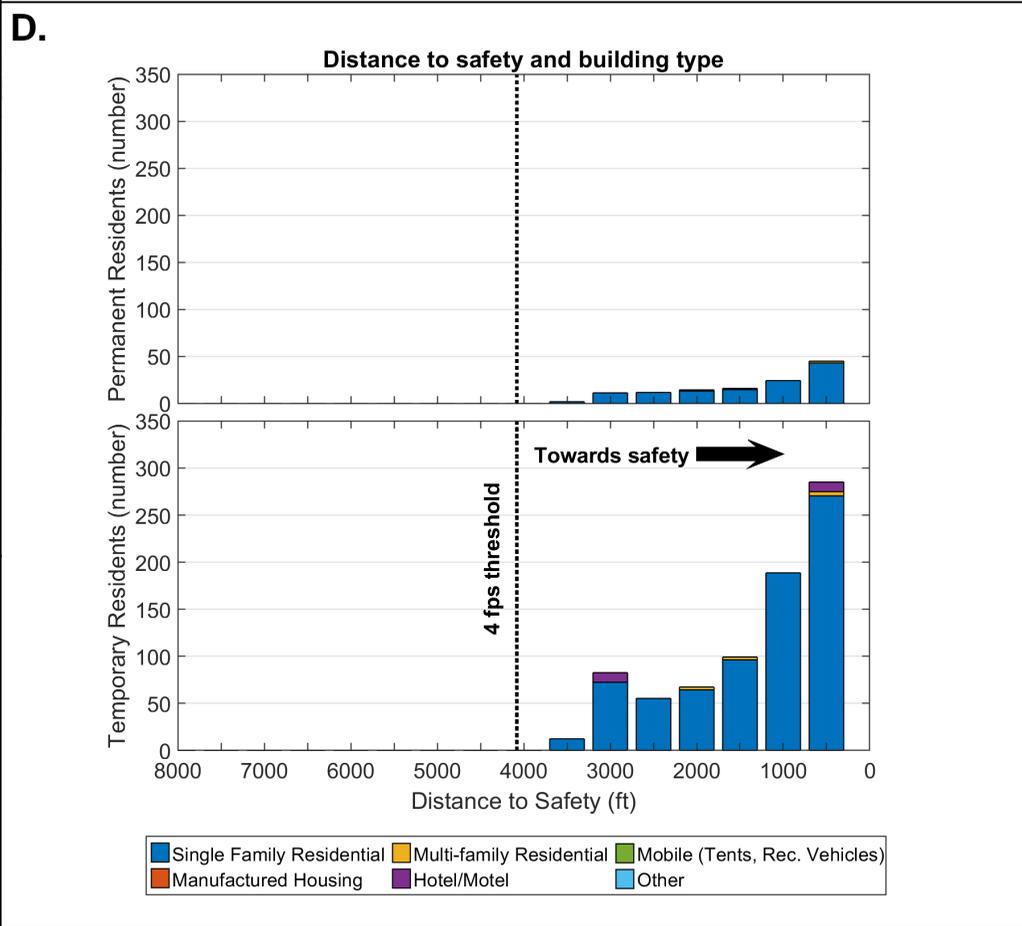
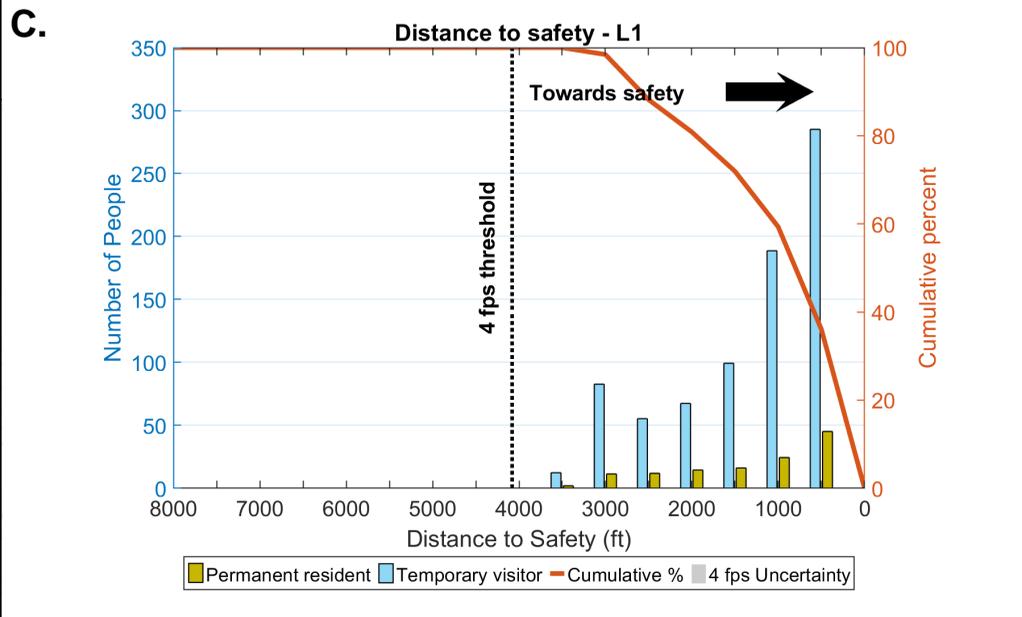
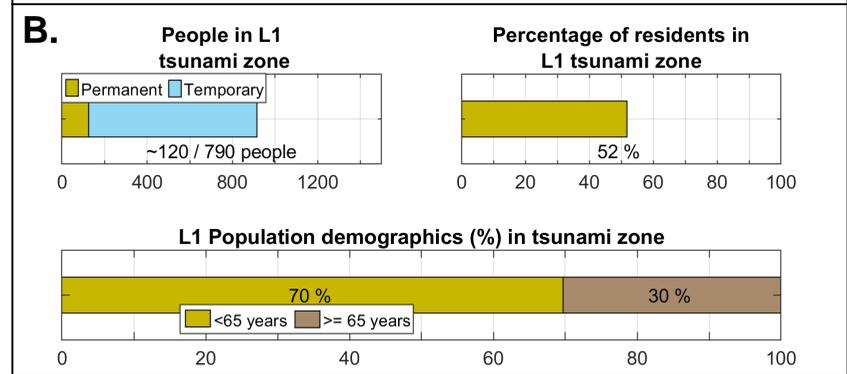
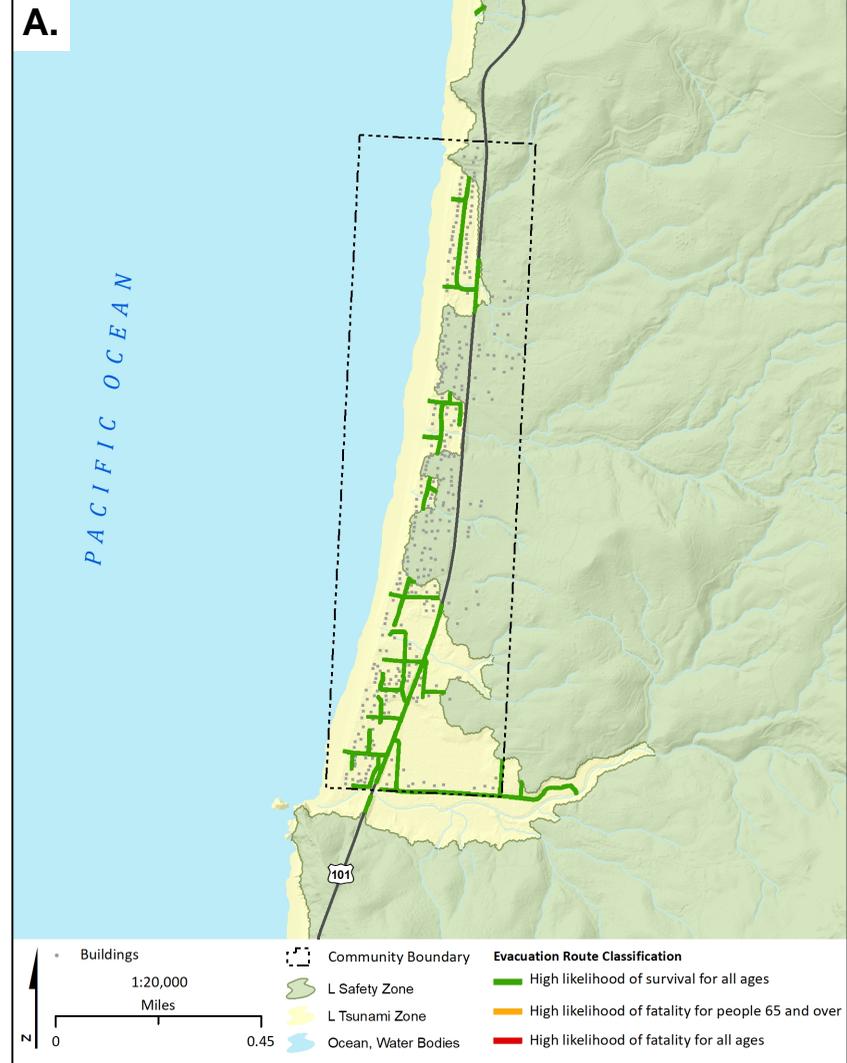
Casualty estimates assume a MODERATE WALK travel speed (4 ft per second)



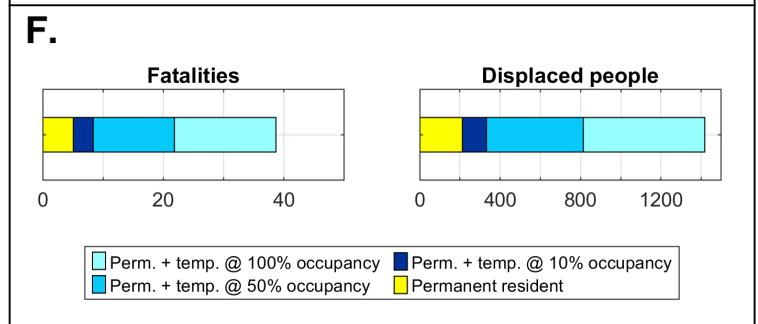
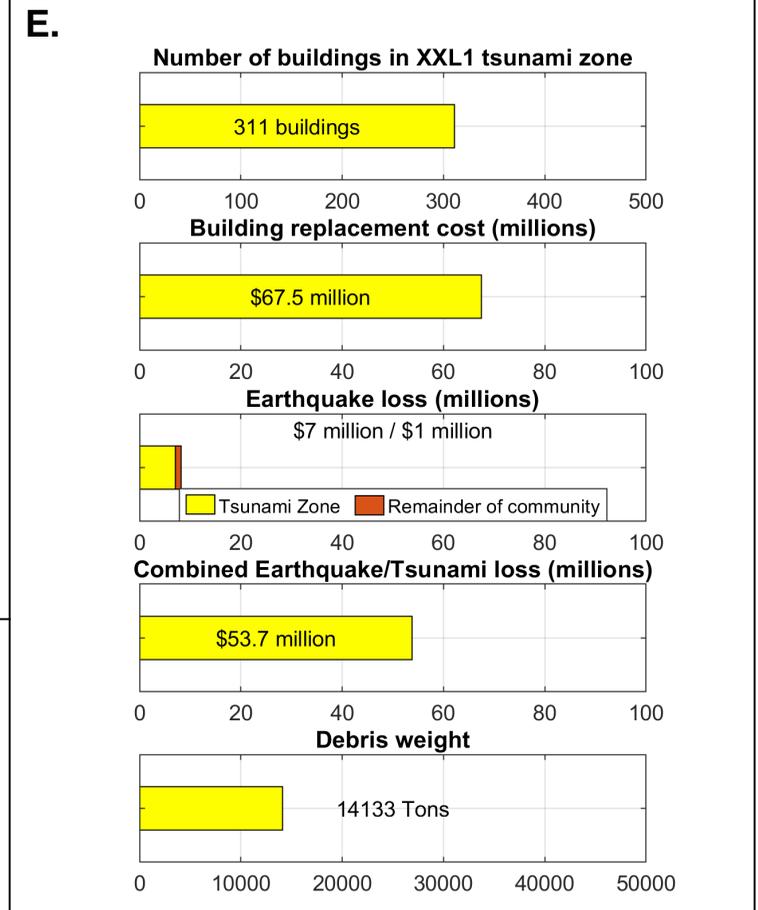
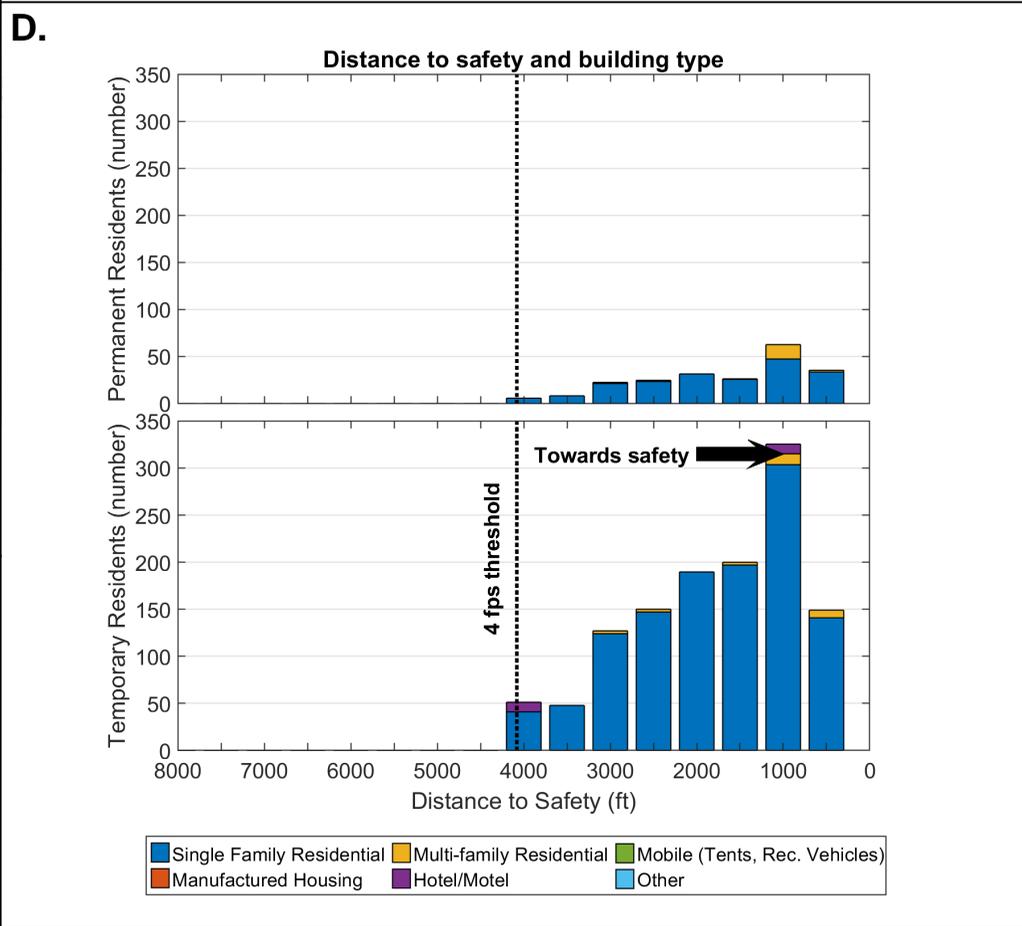
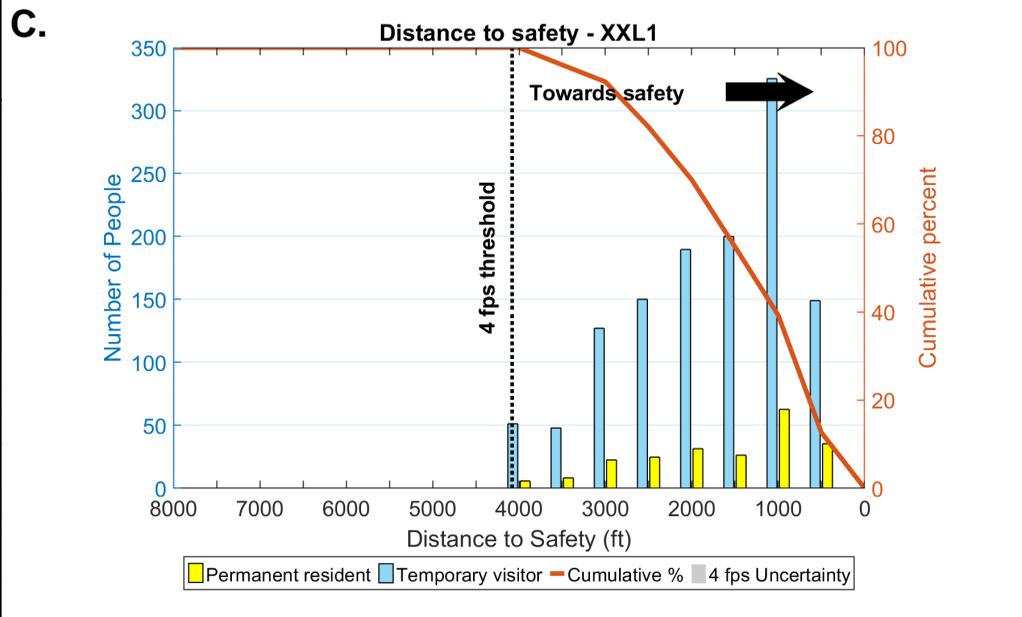
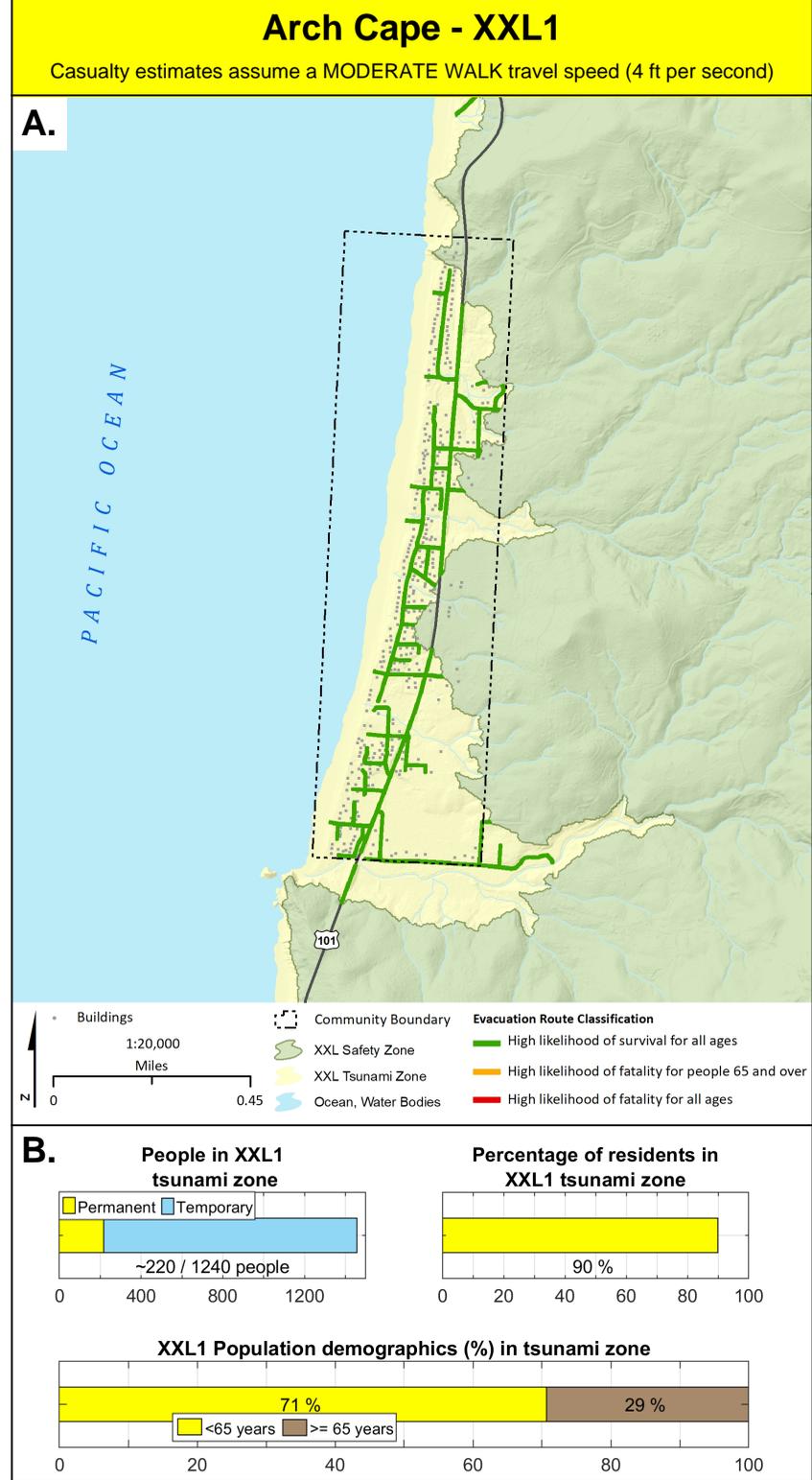
Description	Total
Earthquake Injuries (Entire Community)	9
Tsunami Injuries - Permanent + Temporary	0
Tsunami Fatalities - Permanent	0
Tsunami Fatalities - Temporary @ ~100% occupancy	1
Displaced Population - Permanent	88
Displaced Population - Permanent + Temporary	666

Arch Cape - L1

Casualty estimates assume a MODERATE WALK travel speed (4 ft per second)



Description	Total
Earthquake Injuries (Entire Community)	9
Tsunami Injuries - Permanent + Temporary	2
Tsunami Fatalities - Permanent	1
Tsunami Fatalities - Temporary @ ~100% occupancy	7
Displaced Population - Permanent	124
Displaced Population - Permanent + Temporary	908



Description	Total
Earthquake Injuries (Entire Community)	9
Tsunami Injuries - Permanent + Temporary	7
Tsunami Fatalities - Permanent	5
Tsunami Fatalities - Temporary @ ~100% occupancy	34
Displaced Population - Permanent	211
Displaced Population - Permanent + Temporary	1,418