

Hazard Exposure Tables

Multi-Jurisdictional Local Government Hazard Mitigation Plan for the San Francisco Bay Area

The following pages contain printouts of regional exposure data from ABAG's web site for ten of the map plates in the map atlas for the nine Bay Area counties.

Exposure data for **existing land use** are available online at <http://quake.abag.ca.gov/mitigation/pickdbh2.html>. Eight of these tables can be displayed and printed for the region (as shown on the following pages), as well as for an entire county or an individual city. For two of the tables (the California Geological Survey Seismic Hazard Maps for liquefaction and earthquake-induced landslides), the regional tables have been suppressed because the coverage is incomplete for the region. County and city data are available, however.

On line, the user can also request five types of tables –

1. existing (2005) land use (in acres) using 2009 hazard mapping
2. existing (2005) land use (in acres) using 2005 hazard mapping
3. existing (2000) land use (in acres) using 2005 hazard mapping (used for the 2005 MJ-LHMP)
4. land use change (2000-2005) (in acres) and
5. existing infrastructure (miles of roads, transit, rail, and pipelines).

The printouts which follow are for #3 and #4 in this list.

Exposure data for **critical facilities** are available online at <http://quake.abag.ca.gov/mitigation/pickcrit2010.html>. This table displays critical health care facilities, city and county-owned critical facilities, bridge and road structures, and school campuses. As with the land use exposure tables, this table can be displayed and printed for the region (as shown on the following pages), as well as for an entire county or an individual city. Again, for two of the tables (the California Geological Survey Seismic Hazard Maps for liquefaction and earthquake-induced landslides), the regional tables have been suppressed because the coverage is incomplete for the region. County and city data are available, however.

*Existing Land Use
Print Outs
(regional data only)*

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Shaking Potential
 BASIS: Existing Land Use, 2005 using 2009 hazard mapping

	<u>Total Acres</u>	<u>Lowest Potential</u>	<u>>></u>	<u>>>></u>	<u>>>>></u>	<u>Highest Potential</u>
TOTAL RESIDENTIAL LAND						
[excluding mixed use]:	555,463	1,410	38,250	224,387	240,318	51,099
1 unit/1-5 acre lot (Rural Residential)	211,070	406	24,020	106,706	65,050	14,888
1-3 units/acre	66,698	141	3,108	26,422	31,401	5,626
3-8 units/acre	186,336	460	9,448	66,003	96,553	13,873
>8 units/acre	85,900	369	1,383	23,015	45,098	16,036
Mobile Home Parks	5,458	33	290	2,242	2,216	677
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	1,775	22	16	461	876	401
Within a Land Area	73	15	11	30	18	0
Within a Building	1,327	6	5	375	638	303
Mixture of Above or Unknown	374	1	0	55	221	98
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	3,344	144	0	237	2,144	819
TOTAL INDUSTRIAL						
[excluding mixed]:	72,125	718	4,632	23,403	36,796	6,577
Light Industrial	18,591	148	2,101	5,842	8,698	1,802
Heavy Industrial	20,599	412	270	8,886	8,889	2,141
Salvage/Recycling, Mixture or Unknown	10,450	54	160	1,355	8,126	755
Food Processing, Warehousing	22,486	104	2,102	7,321	11,082	1,878
TOTAL MAJOR INFRASTRUCTURE:	205,807	2,846	14,856	61,840	100,912	25,351
Roads, Highway and Related Facilities	185,665	1,682	13,716	57,392	90,849	22,026
Rail Stations, Yards and Related Facilities	2,470	6	454	669	1,108	232
Airports	11,433	263	463	2,612	5,760	2,334
Ports	2,801	842	115	336	1,281	227
Power Facilities	485	33	0	124	271	57
Municipal Wastewater Facilities	778	7	0	71	531	169
Municipal Water Supply Facilities	657	2	13	201	381	60
Communication Facilities	599	0	92	71	423	13
Infrastructure--Other,						

Unknown	919	11	4	364	308	232
TOTAL MILITARY:	30,549	1,269	1,812	17,758	4,729	4,981
Military Residential	332	0	0	332	0	0
Military Hospital	650	0	160	487	3	0
Military Communications	1,642	0	1,642	0	0	0
Military Airport or Port	2,641	5	0	2,609	27	0
General Military	11,565	32	0	10,302	985	245
Open Military Lands	6,084	29	9	2,250	301	3,495
Closed Military Facilities	7,635	1,203	0	1,778	3,414	1,240
TOTAL COMMERCIAL/SERVICES [excluding mixed]:	110,502	881	4,922	32,999	58,778	12,922
Subtotal-Commercial:	62,992	782	2,030	19,008	33,965	7,207
Retail/Wholesale	29,652	513	1,553	8,658	15,759	3,168
Research/Office	17,777	134	123	4,082	12,060	1,378
Comm. Outdoor Recreation	4,129	15	99	2,021	1,785	210
Other, Mixture or Unknown	11,434	119	254	4,247	4,361	2,451
Subtotal-Education:	31,088	64	1,719	7,475	17,947	3,882
Educational Offices and Day Care	3,784	0	253	1,722	1,664	146
Elementary/Secondary	16,926	3	548	4,786	9,328	2,262
Colleges/Universities	9,870	62	918	907	6,563	1,419
Stadium Facilities	78	0	0	4	74	0
University Housing	337	0	0	25	257	54
Day Care Facilities	92	0	0	32	60	0
Subtotal-Hospitals and Health Care	5,706	6	747	2,562	2,032	359
Trauma Center Hospitals	293	0	0	30	210	52
Community or Local Hospitals	2,046	0	50	763	1,028	205
Surgery Centers	0	0	0	0	0	0
State Prisons	811	0	174	421	211	6
State Mental Health Facilities	1,632	0	511	1,095	26	0
Clinics and Long-Term Care	923	6	12	254	557	95
Subtotal-Public Institutions:	10,717	30	426	3,954	4,834	1,473
Convention Centers	109	0	0	15	36	57
Sports Stadiums	345	3	0	25	218	99
Churches/Synagogues/Other City Halls/County Administration	5,142	0	38	1,458	2,694	952
Local Jails	3,211	17	262	1,601	1,082	248
Local Police/Fire/Emergency Other-Comm. Centers/Libraries	400	0	0	170	230	0
	179	0	0	52	114	13
	1,330	10	125	631	460	103
TOTAL URBAN OPEN:	159,435	2,473	12,002	62,380	62,245	20,335

Golf Courses	22,240	326	1,244	7,803	9,926	2,941
Racetracks	932	12	0	10	786	125
Campgrounds and Other	12,608	24	2,226	6,607	3,614	137
Cemeteries	4,245	0	198	962	1,891	1,193
Parks	55,384	1,032	2,717	19,719	23,132	8,785
Vacant--Cleared for Redevelopment	4,659	68	1,134	2,002	1,359	97
Vacant--Undeveloped Mixed Urban Open, Including Parks	54,307	955	4,456	24,788	19,398	4,710
	5,059	56	27	489	2,139	2,348
TOTAL AGRICULTURE:	942,381	1,300	300,453	434,006	168,181	38,440
Cropland and Pasture	663,245	1,198	227,762	294,758	107,672	31,855
Orchards/Groves/Vineyards	271,852	0	71,204	135,914	58,399	6,334
Greenhouses	1,531	92	0	247	1,156	36
Confined Feeding	1,326	0	208	925	185	7
Farmsteads and Inactive	4,427	11	1,279	2,162	769	208
TOTAL RANGELAND:	1,222,862	4,437	274,986	587,314	298,117	58,008
Herbaceous Range	883,702	2,428	185,894	412,292	240,206	42,882
Shrub and Brush	314,053	1,373	88,633	165,115	49,640	9,291
Mixed Range	25,108	637	459	9,906	8,270	5,835
TOTAL WETLANDS [Based on USGS Mapping]:	104,962	4,091	1,310	3,272	40,270	56,018
Forested	6,365	57	578	1,307	2,068	2,356
Non-Forested	61,754	2,672	719	1,726	34,121	22,516
Salt Evaporators	36,436	1,352	0	161	3,829	31,094
Wetlands--Unknown	406	11	13	78	251	53
TOTAL FOREST LAND:	962,350	530	216,087	411,106	255,046	79,581
Deciduous	137,516	67	46,825	66,251	21,829	2,543
Evergreen	412,857	155	82,958	159,672	132,628	37,444
Mixed Forest	411,977	307	86,304	185,183	100,588	39,594
TOTAL SPARSELY VEGETATED:	16,046	993	1,795	6,610	5,097	1,551
Beaches	1,842	649	0	92	1,074	27
Other Sand	98	11	0	58	0	30
Bare Rock	1,202	123	193	457	326	103
Mines/Quarries	8,287	13	675	4,307	2,667	625
Transitional--Landfills	719	4	0	295	68	353
Transitional--Other	391	51	0	14	80	246
Transitional--Mixture	873	8	66	81	556	162
Mixed Sparsely Vegetated	2,633	134	862	1,306	326	5

<u>Total</u>	<u>Lowest</u>				<u>Highest</u>
<u>Acres</u>	<u>Potential</u>	<u>>></u>	<u>>>></u>	<u>>>>></u>	<u>Potential</u>

TOTAL URBAN LAND:	1,139,000	9,762	76,489	423,465	506,799	122,485
TOTAL NON-URBAN LAND:	3,248,602	11,351	794,632	1,442,309	766,711	233,598
GRAND TOTAL:	4,387,602	21,114	871,121	1,865,773	1,273,510	356,083

Source: Association of Bay Area Governments, 2009.

Based on map of Earthquake Shaking Potential for California, Spring 2003, a joint product of the California Seismic Safety Commission, California Geological Survey, Governor's Office of Emergency Services, and US Geological Survey.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: EQ Liquefaction Susceptibility

BASIS: Existing Land Use, 2005 using 2009 hazard mapping

	<u>Total</u> <u>Acres</u>	<u>Moderate</u>	<u>High</u>	<u>Very High</u>
TOTAL RESIDENTIAL LAND [excluding mixed use]:	555,463	165,964	12,624	14,960
1 unit/1-5 acre lot (Rural Residential)	211,070	28,936	4,930	3,048
1-3 units/acre	66,698	16,373	944	1,514
3-8 units/acre	186,336	81,337	4,579	6,460
>8 units/acre	85,900	36,901	1,880	3,549
Mobile Home Parks	5,458	2,416	291	389
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	1,775	714	32	162
Within a Land Area	73	13	0	11
Within a Building	1,327	467	13	124
Mixture of Above or Unknown	374	235	19	26
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	3,344	1,817	64	595
TOTAL INDUSTRIAL [excluding mixed]:	72,125	32,542	2,727	8,180
Light Industrial	18,591	8,362	554	2,386
Heavy Industrial	20,599	8,323	597	2,420
Salvage/Recycling, Mixture or Unknown	10,450	6,366	884	1,684
Food Processing, Warehousing	22,486	9,490	692	1,691
TOTAL MAJOR INFRASTRUCTURE:	205,807	84,199	7,559	17,454
Roads, Highway and Related Facilities	185,665	79,016	6,680	10,636
Rail Stations, Yards and Related Facilities	2,470	1,127	136	449
Airports	11,433	2,974	190	4,501
Ports	2,801	144	98	1,454
Power Facilities	485	236	12	131
Municipal Wastewater Facilities	778	127	330	102
Municipal Water Supply Facilities	657	132	4	32
Communication Facilities	599	200	67	21
Infrastructure--Other, Unknown	919	242	42	128
TOTAL MILITARY:	30,549	7,178	1,790	4,609
Military Residential	332	0	0	4
Military Hospital	650	138	0	10
Military Communications	1,642	0	1,642	0
Military Airport or Port	2,641	0	0	58
General Military	11,565	1,576	148	307
Open Military Lands	6,084	3,522	0	277
Closed Military Facilities	7,635	1,942	0	3,953

TOTAL COMMERCIAL/SERVICES [excluding mixed]:

	110,502	51,935	3,184	7,927
Subtotal-Commercial:	62,992	32,743	2,284	6,077
Retail/Wholesale	29,652	17,052	881	2,053
Research/Office	17,777	9,332	1,036	2,072
Comm. Outdoor Recreation	4,129	1,742	126	80
Other, Mixture or Unknown	11,434	4,617	240	1,873
Subtotal-Education:	31,088	13,016	651	892
Educational Offices and Day Care	3,784	1,185	26	52
Elementary/Secondary	16,926	8,726	457	530
Colleges/Universities	9,870	2,968	167	310
Stadium Facilities	78	76	0	0
University Housing	337	0	0	0
Day Care Facilities	92	61	0	0
Subtotal-Hospitals and Health Care	5,706	2,014	50	164
Trauma Center Hospitals	293	187	0	7
Community or Local Hospitals	2,046	815	18	65
Surgery Centers	0	0	0	0
State Prisons	811	549	0	43
State Mental Health Facilities	1,632	162	14	11
Clinics and Long-Term Care	923	300	18	38
Subtotal-Public Institutions:	10,717	4,163	200	794
Convention Centers	109	41	27	27
Sports Stadiums	345	81	0	231
Churches/Synagogues/Other	5,142	2,064	99	124
City Halls/County Administration	3,211	1,149	37	216
Local Jails	400	178	0	0
Local Police/Fire/Emergency	179	109	2	8
Other-Comm. Centers/Libraries	1,330	541	35	188
TOTAL URBAN OPEN:	159,435	41,133	5,272	10,169
Golf Courses	22,240	5,802	481	1,851
Racetracks	932	237	0	96
Campgrounds and Other	12,608	891	415	538
Cemeteries	4,245	764	23	26
Parks	55,384	13,070	1,862	3,158
Vacant--Cleared for Redevelopment	4,659	618	127	291
Vacant--Undeveloped	54,307	16,721	2,155	3,653
Mixed Urban Open, Including Parks	5,059	3,030	208	556
TOTAL AGRICULTURE:	942,381	194,264	144,117	15,732
Cropland and Pasture	663,245	128,074	118,620	6,991
Orchards/Groves/Vineyards	271,852	64,404	24,644	8,648
Greenhouses	1,531	609	48	36
Confined Feeding	1,326	193	14	3
Farmsteads and Inactive	4,427	983	791	55
TOTAL RANGELAND:	1,222,862	66,831	18,891	8,026

Herbaceous Range	883,702	58,902	17,364	6,563
Shrub and Brush	314,053	6,293	1,404	1,114
Mixed Range	25,108	1,637	122	349
TOTAL WETLANDS [Based on USGS Mapping]:	104,962	81,462	2,941	1,724
Forested	6,365	3,692	736	399
Non-Forested	61,754	47,504	2,084	1,103
Salt Evaporators	36,436	30,193	92	193
Wetlands--Unknown	406	73	29	30
TOTAL FOREST LAND:	962,350	12,742	3,817	3,875
Deciduous	137,516	3,042	827	457
Evergreen	412,857	4,188	1,009	924
Mixed Forest	411,977	5,512	1,981	2,494
TOTAL SPARSELY VEGETATED:	16,046	3,513	2,245	2,013
Beaches	1,842	122	436	311
Other Sand	98	66	2	0
Bare Rock	1,202	206	78	20
Mines/Quarries	8,287	2,425	689	186
Transitional--Landfills	719	63	0	316
Transitional--Other	391	66	0	255
Transitional--Mixture	873	460	21	217
Mixed Sparsely Vegetated	2,633	104	1,018	709
=====				
	<u>Total</u>			
	<u>Acres</u>	<u>Moderate</u>	<u>High</u>	<u>Very High</u>
TOTAL URBAN LAND:	1,139,000	385,482	33,252	64,057
TOTAL NON-URBAN LAND:	3,248,602	358,812	172,010	31,370
GRAND TOTAL:	4,387,602	744,293	205,262	95,428

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Fault CGS Study Zones
 BASIS: Existing Land Use, 2005 using 2009 hazard mapping

	<u>Total Acres</u>	<u>Within CGS Study Zone</u>
TOTAL RESIDENTIAL LAND [excluding mixed use]:	555,463	12,581
1 unit/1-5 acre lot (Rural Residential)	211,070	5,081
1-3 units/acre	66,698	1,607
3-8 units/acre	186,336	4,165
>8 units/acre	85,900	1,613
Mobile Home Parks	5,458	116
 TOTAL MIXED RESIDENTIAL/COMMERCIAL:	 1,775	 30
Within a Land Area	73	0
Within a Building	1,327	8
Mixture of Above or Unknown	374	22
 TOTAL MIXED COMMERCIAL/INDUSTRIAL:	 3,344	 26
 TOTAL INDUSTRIAL [excluding mixed]:	 72,125	 1,208
Light Industrial	18,591	561
Heavy Industrial	20,599	275
Salvage/Recycling, Mixture or Unknown	10,450	51
Food Processing, Warehousing	22,486	320
 TOTAL MAJOR INFRASTRUCTURE:	 205,807	 4,667
Roads, Highway and Related Facilities	185,665	4,251
Rail Stations, Yards and Related Facilities	2,470	7
Airports	11,433	216
Ports	2,801	136
Power Facilities	485	0
Municipal Wastewater Facilities	778	13
Municipal Water Supply Facilities	657	11
Communication Facilities	599	6
Infrastructure--Other, Unknown	919	27
 TOTAL MILITARY:	 30,549	 92
Military Residential	332	0
Military Hospital	650	0
Military Communications	1,642	0
Military Airport or Port	2,641	0
General Military	11,565	92
Open Military Lands	6,084	0
Closed Military Facilities	7,635	0
 TOTAL COMMERCIAL/SERVICES [excluding mixed]:	 110,502	 2,145

Subtotal-Commercial:	62,992	717
Retail/Wholesale	29,652	323
Research/Office	17,777	97
Comm. Outdoor Recreation	4,129	128
Other, Mixture or Unknown	11,434	170
Subtotal-Education:	31,088	942
Educational Offices and Day Care	3,784	49
Elementary/Secondary	16,926	384
Colleges/Universities	9,870	484
Stadium Facilities	78	0
University Housing	337	26
Day Care Facilities	92	0
Subtotal-Hospitals and Health Care	5,706	243
Trauma Center Hospitals	293	24
Community or Local Hospitals	2,046	109
Surgery Centers	0	0
State Prisons	811	65
State Mental Health Facilities	1,632	0
Clinics and Long-Term Care	923	45
Subtotal-Public Institutions:	10,717	243
Convention Centers	109	0
Sports Stadiums	345	0
Churches/Synagogues/Other	5,142	101
City Halls/County Administration	3,211	119
Local Jails	400	1
Local Police/Fire/Emergency	179	0
Other-Comm. Centers/Libraries	1,330	22
TOTAL URBAN OPEN:	159,435	5,291
Golf Courses	22,240	504
Racetracks	932	8
Campgrounds and Other	12,608	103
Cemeteries	4,245	196
Parks	55,384	2,573
Vacant--Cleared for Redevelopment	4,659	61
Vacant--Undeveloped	54,307	1,702
Mixed Urban Open, Including Parks	5,059	145
TOTAL AGRICULTURE:	942,381	11,373
Cropland and Pasture	663,245	7,962
Orchards/Groves/Vineyards	271,852	3,162
Greenhouses	1,531	59
Confined Feeding	1,326	27
Farmsteads and Inactive	4,427	162
TOTAL RANGELAND:	1,222,862	22,778
Herbaceous Range	883,702	19,240
Shrub and Brush	314,053	2,706

Mixed Range	25,108	832
TOTAL WETLANDS [Based on USGS Mapping]:	104,962	1,089
Forested	6,365	251
Non-Forested	61,754	794
Salt Evaporators	36,436	26
Wetlands--Unknown	406	18
TOTAL FOREST LAND:	962,350	19,149
Deciduous	137,516	2,335
Evergreen	412,857	6,860
Mixed Forest	411,977	9,954
TOTAL SPARSELY VEGETATED:	16,046	168
Beaches	1,842	13
Other Sand	98	27
Bare Rock	1,202	31
Mines/Quarries	8,287	96
Transitional--Landfills	719	0
Transitional--Other	391	0
Transitional--Mixture	873	1
Mixed Sparsely Vegetated	2,633	0
	=====	=====
	<u>Total Acres</u>	<u>Within CGS Study Zone</u>
TOTAL URBAN LAND:	1,139,000	26,040
TOTAL NON-URBAN LAND:	3,248,602	54,557
GRAND TOTAL:	4,387,602	80,598

Source: Association of Bay Area Governments, 2009.

Based on mapping of zones along active faults performed by the California Geological Survey under the [Alquist-Priolo Earthquake Fault Zoning Act](#).

Note: Because of independent rounding, subcategories may not add to totals.

The CGS study zones are larger than fault zones. They are zones in which studies are required in order to ensure that no structures intended for human occupancy are placed across active faults. Only a small fraction of the land in this table is actually subject to fault rupture.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: FEMA Flood Zones

BASIS: Existing Land Use, 2005 using 2009 hazard mapping

	<u>Total</u> <u>Acres</u>	<u>500-yr Flood</u> <u>Plain</u> <u>or Other Concern</u> <u>(Q3 Zone X500)</u>	<u>100-yr Flood</u> <u>Plain</u> <u>(Q3 Zone V or A)</u>
TOTAL RESIDENTIAL LAND [excluding mixed use]:	555,463	53,881	19,145
1 unit/1-5 acre lot (Rural Residential)	211,070	8,333	7,211
1-3 units/acre	66,698	6,323	2,354
3-8 units/acre	186,336	28,637	6,764
>8 units/acre	85,900	10,037	2,138
Mobile Home Parks	5,458	551	678
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	1,775	67	96
Within a Land Area	73	0	0
Within a Building	1,327	9	28
Mixture of Above or Unknown	374	57	67
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	3,344	388	617
TOTAL INDUSTRIAL [excluding mixed]:	72,125	11,297	10,797
Light Industrial	18,591	2,137	2,872
Heavy Industrial	20,599	3,344	4,563
Salvage/Recycling, Mixture or Unknown	10,450	3,774	1,493
Food Processing, Warehousing	22,486	2,041	1,869
TOTAL MAJOR INFRASTRUCTURE:	205,807	26,456	15,960
Roads, Highway and Related Facilities	185,665	24,718	12,715
Rail Stations, Yards and Related Facilities	2,470	321	558
Airports	11,433	861	1,005
Ports	2,801	27	651
Power Facilities	485	13	195
Municipal Wastewater Facilities	778	147	552
Municipal Water Supply Facilities	657	29	49
Communication Facilities	599	291	16
Infrastructure--Other, Unknown	919	48	218
TOTAL MILITARY:	30,549	274	3,727
Military Residential	332	4	0
Military Hospital	650	2	10
Military Communications	1,642	0	1,592
Military Airport or Port	2,641	0	1
General Military	11,565	235	311
Open Military Lands	6,084	0	12

Closed Military Facilities	7,635	32	1,801
TOTAL COMMERCIAL/SERVICES [excluding mixed]:	110,502	19,209	7,310
Subtotal-Commercial:	62,992	13,485	5,496
Retail/Wholesale	29,652	5,265	2,634
Research/Office	17,777	5,650	1,050
Comm. Outdoor Recreation	4,129	436	332
Other, Mixture or Unknown	11,434	2,135	1,479
Subtotal-Education:	31,088	3,641	1,114
Educational Offices and Day Care	3,784	101	81
Elementary/Secondary	16,926	2,764	600
Colleges/Universities	9,870	742	432
Stadium Facilities	78	1	0
University Housing	337	1	0
Day Care Facilities	92	33	0
Subtotal-Hospitals and Health Care	5,706	581	66
Trauma Center Hospitals	293	62	0
Community or Local Hospitals	2,046	357	23
Surgery Centers	0	0	0
State Prisons	811	117	9
State Mental Health Facilities	1,632	3	17
Clinics and Long-Term Care	923	42	17
Subtotal-Public Institutions:	10,717	1,501	634
Convention Centers	109	58	28
Sports Stadiums	345	135	4
Churches/Synagogues/Other	5,142	646	129
City Halls/County Administration	3,211	335	272
Local Jails	400	82	2
Local Police/Fire/Emergency	179	64	12
Other-Comm. Centers/Libraries	1,330	181	189
TOTAL URBAN OPEN:	159,435	10,116	15,160
Golf Courses	22,240	1,510	1,860
Racetracks	932	1	34
Campgrounds and Other	12,608	45	1,006
Cemeteries	4,245	206	79
Parks	55,384	4,154	4,919
Vacant--Cleared for Redevelopment	4,659	83	346
Vacant--Undeveloped	54,307	3,544	4,379
Mixed Urban Open, Including Parks	5,059	574	2,536
TOTAL AGRICULTURE:	942,381	19,562	200,574
Cropland and Pasture	663,245	9,741	162,403
Orchards/Groves/Vineyards	271,852	9,616	37,677
Greenhouses	1,531	50	122
Confined Feeding	1,326	1	10
Farmsteads and Inactive	4,427	155	362

TOTAL RANGELAND:	1,222,862	8,024	44,848
Herbaceous Range	883,702	6,511	37,646
Shrub and Brush	314,053	868	5,440
Mixed Range	25,108	645	1,762
TOTAL WETLANDS [Based on USGS Mapping]:	104,962	657	93,598
Forested	6,365	237	3,363
Non-Forested	61,754	268	56,910
Salt Evaporators	36,436	148	33,105
Wetlands--Unknown	406	5	220
TOTAL FOREST LAND:	962,350	3,030	7,716
Deciduous	137,516	250	1,640
Evergreen	412,857	2,117	2,668
Mixed Forest	411,977	663	3,407
TOTAL SPARSELY VEGETATED:	16,046	445	5,373
Beaches	1,842	1	518
Other Sand	98	0	3
Bare Rock	1,202	30	164
Mines/Quarries	8,287	224	1,665
Transitional--Landfills	719	0	353
Transitional--Other	391	41	38
Transitional--Mixture	873	149	246
Mixed Sparsely Vegetated	2,633	0	2,387
	=====	=====	=====
		<u>500-yr Flood</u>	
		<u>Plain</u>	<u>100-yr Flood</u>
	<u>Total</u>	<u>or Other Concern</u>	<u>Plain</u>
	<u>Acres</u>	<u>(Q3 Zone X500)</u>	<u>(Q3 Zone V or A)</u>
TOTAL URBAN LAND:	1,139,000	121,688	72,811
TOTAL NON-URBAN LAND:	3,248,602	31,719	352,109
GRAND TOTAL:	4,387,602	153,407	424,920

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: Existing Landslide Areas

BASIS: Existing Land Use, 2005 using 2009 hazard mapping

	<u>Total</u> <u>Acres</u>	<u>Few</u> <u>Landslides</u>	<u>Many</u> <u>Landslides</u>	<u>Mostly a</u> <u>Landslide</u> <u>Area</u>
TOTAL RESIDENTIAL LAND [excluding mixed use]:	555,463	201,295	9,708	54,994
1 unit/1-5 acre lot (Rural Residential)	211,070	100,487	9,046	35,010
1-3 units/acre	66,698	29,607	83	7,435
3-8 units/acre	186,336	48,190	39	7,900
>8 units/acre	85,900	22,047	529	4,489
Mobile Home Parks	5,458	963	11	160
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	1,775	369	0	7
Within a Land Area	73	12	0	0
Within a Building	1,327	323	0	2
Mixture of Above or Unknown	374	35	0	5
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	3,344	414	0	88
TOTAL INDUSTRIAL [excluding mixed]:	72,125	13,676	582	2,874
Light Industrial	18,591	3,666	0	282
Heavy Industrial	20,599	4,242	78	741
Salvage/Recycling, Mixture or Unknown	10,450	629	0	58
Food Processing, Warehousing	22,486	5,139	503	1,792
TOTAL MAJOR INFRASTRUCTURE:	205,807	50,172	491	9,046
Roads, Highway and Related Facilities	185,665	47,938	392	8,795
Rail Stations, Yards and Related Facilities	2,470	130	0	7
Airports	11,433	1,302	0	1
Ports	2,801	115	0	30
Power Facilities	485	7	0	5
Municipal Wastewater Facilities	778	6	0	0
Municipal Water Supply Facilities	657	274	0	62
Communication Facilities	599	108	92	25
Infrastructure--Other, Unknown	919	292	7	121
TOTAL MILITARY:	30,549	5,879	0	667
Military Residential	332	100	0	0
Military Hospital	650	402	0	11
Military Communications	1,642	0	0	0
Military Airport or Port	2,641	121	0	0
General Military	11,565	3,798	0	451
Open Military Lands	6,084	1,170	0	178
Closed Military Facilities	7,635	288	0	27

TOTAL COMMERCIAL/SERVICES [excluding mixed]:

	110,502	23,558	693	4,020
Subtotal-Commercial:	62,992	9,276	223	2,159
Retail/Wholesale	29,652	3,322	53	295
Research/Office	17,777	2,075	0	893
Comm. Outdoor Recreation	4,129	1,379	50	261
Other, Mixture or Unknown	11,434	2,499	120	710
Subtotal-Education:	31,088	9,377	114	1,074
Educational Offices and Day Care	3,784	1,019	114	355
Elementary/Secondary	16,926	3,760	0	421
Colleges/Universities	9,870	4,539	0	297
Stadium Facilities	78	0	0	0
University Housing	337	59	0	0
Day Care Facilities	92	0	0	0
Subtotal-Hospitals and Health Care	5,706	2,359	0	351
Trauma Center Hospitals	293	66	0	1
Community or Local Hospitals	2,046	722	0	27
Surgery Centers	0	0	0	0
State Prisons	811	251	0	0
State Mental Health Facilities	1,632	1,034	0	232
Clinics and Long-Term Care	923	286	0	91
Subtotal-Public Institutions:	10,717	2,546	356	436
Convention Centers	109	4	0	0
Sports Stadiums	345	5	0	16
Churches/Synagogues/Other	5,142	1,177	355	182
City Halls/County Administration	3,211	888	0	213
Local Jails	400	207	0	2
Local Police/Fire/Emergency	179	20	1	13
Other-Comm. Centers/Libraries	1,330	246	0	10
 TOTAL URBAN OPEN:	 159,435	 56,893	 2,968	 23,008
Golf Courses	22,240	7,688	181	2,037
Racetracks	932	397	0	300
Campgrounds and Other	12,608	5,357	1,235	3,581
Cemeteries	4,245	1,698	2	390
Parks	55,384	20,306	984	9,009
Vacant--Cleared for Redevelopment	4,659	2,582	0	773
Vacant--Undeveloped	54,307	18,189	565	6,741
Mixed Urban Open, Including Parks	5,059	676	1	178
 TOTAL AGRICULTURE:	 942,381	 255,571	 64,536	 140,493
Cropland and Pasture	663,245	161,728	55,960	99,339
Orchards/Groves/Vineyards	271,852	90,977	8,575	40,141
Greenhouses	1,531	339	0	236
Confined Feeding	1,326	864	0	138
Farmsteads and Inactive	4,427	1,663	1	639

TOTAL RANGELAND:	1,222,862	577,850	40,241	440,391
Herbaceous Range	883,702	420,887	6,608	327,774
Shrub and Brush	314,053	147,407	33,422	104,598
Mixed Range	25,108	9,556	211	8,019
TOTAL WETLANDS [Based on USGS Mapping]:	104,962	2,030	44	753
Forested	6,365	438	8	88
Non-Forested	61,754	1,501	36	646
Salt Evaporators	36,436	51	0	1
Wetlands--Unknown	406	40	0	19
TOTAL FOREST LAND:	962,350	497,573	52,238	334,101
Deciduous	137,516	70,731	1,871	58,520
Evergreen	412,857	242,752	12,170	143,028
Mixed Forest	411,977	184,090	38,197	132,553
TOTAL SPARSELY VEGETATED:	16,046	4,813	51	1,338
Beaches	1,842	480	0	131
Other Sand	98	9	0	28
Bare Rock	1,202	401	0	171
Mines/Quarries	8,287	3,396	0	933
Transitional--Landfills	719	287	0	46
Transitional--Other	391	29	0	2
Transitional--Mixture	873	142	0	2
Mixed Sparsely Vegetated	2,633	69	51	25
=====				
	<u>Total</u>	<u>Few</u>	<u>Many</u>	<u>Mostly a</u>
	<u>Acres</u>	<u>Landslides</u>	<u>Landslides</u>	<u>Landslide</u>
				<u>Area</u>
TOTAL URBAN LAND:	1,139,000	352,257	14,443	94,704
TOTAL NON-URBAN LAND:	3,248,602	1,337,837	157,109	917,077
GRAND TOTAL:	4,387,602	1,690,094	171,552	1,011,780

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: Wildfire Threat

BASIS: Existing Land Use, 2005 using 2009 hazard mapping

	<u>Total Acres</u>	<u>High</u>	<u>Very High</u>	<u>Extreme</u>
TOTAL RESIDENTIAL LAND [excluding mixed use]:	555,463	80,027	47,549	6
1 unit/1-5 acre lot (Rural Residential)	211,070	61,811	36,189	4
1-3 units/acre	66,698	6,010	3,568	1
3-8 units/acre	186,336	6,783	4,030	1
>8 units/acre	85,900	5,144	3,522	0
Mobile Home Parks	5,458	279	240	0
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	1,775	19	10	0
Within a Land Area	73	0	0	0
Within a Building	1,327	8	4	0
Mixture of Above or Unknown	374	11	7	0
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	3,344	146	77	0
TOTAL INDUSTRIAL [excluding mixed]:	72,125	5,758	3,143	0
Light Industrial	18,591	1,090	566	0
Heavy Industrial	20,599	1,325	891	0
Salvage/Recycling, Mixture or Unknown	10,450	120	34	0
Food Processing, Warehousing	22,486	3,222	1,652	0
TOTAL MAJOR INFRASTRUCTURE:	205,807	13,892	8,068	9
Roads, Highway and Related Facilities	185,665	12,617	7,755	9
Rail Stations, Yards and Related Facilities	2,470	24	6	0
Airports	11,433	931	34	0
Ports	2,801	31	3	0
Power Facilities	485	1	5	0
Municipal Wastewater Facilities	778	2	7	0
Municipal Water Supply Facilities	657	130	57	0
Communication Facilities	599	34	93	0
Infrastructure--Other, Unknown	919	120	108	0
TOTAL MILITARY:	30,549	1,922	5,452	26
Military Residential	332	0	4	0
Military Hospital	650	132	63	0
Military Communications	1,642	0	0	0
Military Airport or Port	2,641	0	34	0
General Military	11,565	643	4,020	22
Open Military Lands	6,084	454	1,244	0
Closed Military Facilities	7,635	693	87	4

TOTAL COMMERCIAL/SERVICES [excluding

mixed]:	110,502	7,260	3,777	3
Subtotal-Commercial:	62,992	3,005	2,335	3
Retail/Wholesale	29,652	570	142	0
Research/Office	17,777	592	1,084	0
Comm. Outdoor Recreation	4,129	1,005	215	0
Other, Mixture or Unknown	11,434	838	894	3
Subtotal-Education:	31,088	2,358	971	0
Educational Offices and Day Care	3,784	495	141	0
Elementary/Secondary	16,926	725	332	0
Colleges/Universities	9,870	1,136	497	0
Stadium Facilities	78	0	0	0
University Housing	337	1	1	0
Day Care Facilities	92	0	0	0
Subtotal-Hospitals and Health Care	5,706	1,111	116	0
Trauma Center Hospitals	293	0	0	0
Community or Local Hospitals	2,046	121	51	0
Surgery Centers	0	0	0	0
State Prisons	811	39	8	0
State Mental Health Facilities	1,632	794	35	0
Clinics and Long-Term Care	923	157	22	0
Subtotal-Public Institutions:	10,717	785	354	0
Convention Centers	109	0	0	0
Sports Stadiums	345	0	0	0
Churches/Synagogues/Other	5,142	484	283	0
City Halls/County Administration	3,211	187	48	0
Local Jails	400	72	0	0
Local Police/Fire/Emergency	179	7	4	0
Other-Comm. Centers/Libraries	1,330	34	19	0
TOTAL URBAN OPEN:	159,435	35,468	21,398	1
Golf Courses	22,240	3,458	1,131	0
Racetracks	932	287	211	0
Campgrounds and Other	12,608	5,853	3,935	0
Cemeteries	4,245	490	221	0
Parks	55,384	15,070	9,227	0
Vacant--Cleared for Redevelopment	4,659	1,103	438	0
Vacant--Undeveloped	54,307	8,916	6,065	1
Mixed Urban Open, Including Parks	5,059	289	170	0
TOTAL AGRICULTURE:	942,381	224,067	176,657	2
Cropland and Pasture	663,245	149,631	134,860	2
Orchards/Groves/Vineyards	271,852	72,935	40,537	0
Greenhouses	1,531	172	338	0
Confined Feeding	1,326	206	103	0
Farmsteads and Inactive	4,427	1,122	819	0
TOTAL RANGELAND:	1,222,862	394,852	641,813	301

Herbaceous Range	883,702	271,712	467,286	223
Shrub and Brush	314,053	112,727	167,366	78
Mixed Range	25,108	10,412	7,161	0
TOTAL WETLANDS [Based on USGS Mapping]:	104,962	2,218	1,934	47
Forested	6,365	656	451	3
Non-Forested	61,754	1,461	1,384	43
Salt Evaporators	36,436	52	32	0
Wetlands--Unknown	406	49	67	0
TOTAL FOREST LAND:	962,350	394,392	427,004	1,573
Deciduous	137,516	51,815	64,487	14
Evergreen	412,857	168,428	184,576	1,225
Mixed Forest	411,977	174,149	177,942	334
TOTAL SPARSELY VEGETATED:	16,046	2,342	2,568	0
Beaches	1,842	298	265	0
Other Sand	98	18	0	0
Bare Rock	1,202	312	228	0
Mines/Quarries	8,287	1,228	1,919	0
Transitional--Landfills	719	81	32	0
Transitional--Other	391	5	0	0
Transitional--Mixture	873	72	69	0
Mixed Sparsely Vegetated	2,633	327	55	0
=====				
	<u>Total</u>			
	<u>Acres</u>	<u>High</u>	<u>Very High</u>	<u>Extreme</u>
TOTAL URBAN LAND:	1,139,000	144,491	89,474	45
TOTAL NON-URBAN LAND:	3,248,602	1,017,870	1,249,976	1,923
GRAND TOTAL:	4,387,602	1,162,361	1,339,450	1,968

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: Wildland Urban Interface Fire Threat

BASIS: Existing Land Use, 2005 using 2009 hazard mapping

Total Acres Within Threat Area

TOTAL RESIDENTIAL LAND [excluding mixed use]:	555,463	323,838
1 unit/1-5 acre lot (Rural Residential)	211,070	122,652
1-3 units/acre	66,698	50,521
3-8 units/acre	186,336	103,800
>8 units/acre	85,900	43,999
Mobile Home Parks	5,458	2,867
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	1,775	888
Within a Land Area	73	45
Within a Building	1,327	652
Mixture of Above or Unknown	374	191
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	3,344	993
TOTAL INDUSTRIAL [excluding mixed]:	72,125	20,544
Light Industrial	18,591	4,551
Heavy Industrial	20,599	6,594
Salvage/Recycling, Mixture or Unknown	10,450	2,880
Food Processing, Warehousing	22,486	6,519
TOTAL MAJOR INFRASTRUCTURE:	205,807	89,016
Roads, Highway and Related Facilities	185,665	83,873
Rail Stations, Yards and Related Facilities	2,470	291
Airports	11,433	3,105
Ports	2,801	455
Power Facilities	485	189
Municipal Wastewater Facilities	778	240
Municipal Water Supply Facilities	657	307
Communication Facilities	599	240
Infrastructure--Other, Unknown	919	316
TOTAL MILITARY:	30,549	7,280
Military Residential	332	322
Military Hospital	650	16
Military Communications	1,642	0
Military Airport or Port	2,641	2,269
General Military	11,565	3,453
Open Military Lands	6,084	205
Closed Military Facilities	7,635	1,015
TOTAL COMMERCIAL/SERVICES [excluding mixed]:	110,502	44,011
Subtotal-Commercial:	62,992	22,346

Retail/Wholesale	29,652	10,044
Research/Office	17,777	5,260
Comm. Outdoor Recreation	4,129	1,631
Other, Mixture or Unknown	11,434	5,410
Subtotal-Education:	31,088	14,298
Educational Offices and Day Care	3,784	2,219
Elementary/Secondary	16,926	7,294
Colleges/Universities	9,870	4,498
Stadium Facilities	78	54
University Housing	337	201
Day Care Facilities	92	32
Subtotal-Hospitals and Health Care	5,706	1,950
Trauma Center Hospitals	293	126
Community or Local Hospitals	2,046	976
Surgery Centers	0	0
State Prisons	811	378
State Mental Health Facilities	1,632	78
Clinics and Long-Term Care	923	392
Subtotal-Public Institutions:	10,717	5,417
Convention Centers	109	81
Sports Stadiums	345	236
Churches/Synagogues/Other	5,142	2,383
City Halls/County Administration	3,211	1,961
Local Jails	400	141
Local Police/Fire/Emergency	179	80
Other-Comm. Centers/Libraries	1,330	535
TOTAL URBAN OPEN:	159,435	65,590
Golf Courses	22,240	12,750
Racetracks	932	118
Campgrounds and Other	12,608	1,422
Cemeteries	4,245	2,952
Parks	55,384	15,748
Vacant--Cleared for Redevelopment	4,659	1,933
Vacant--Undeveloped	54,307	29,246
Mixed Urban Open, Including Parks	5,059	1,421
TOTAL AGRICULTURE:	942,381	110,268
Cropland and Pasture	663,245	50,400
Orchards/Groves/Vineyards	271,852	56,888
Greenhouses	1,531	696
Confined Feeding	1,326	387
Farmsteads and Inactive	4,427	1,898
TOTAL RANGELAND:	1,222,862	89,827
Herbaceous Range	883,702	65,215
Shrub and Brush	314,053	19,880
Mixed Range	25,108	4,731

TOTAL WETLANDS [Based on USGS Mapping]:	104,962	3,302
Forested	6,365	707
Non-Forested	61,754	1,755
Salt Evaporators	36,436	791
Wetlands--Unknown	406	50
TOTAL FOREST LAND:	962,350	53,297
Deciduous	137,516	5,137
Evergreen	412,857	28,628
Mixed Forest	411,977	19,531
TOTAL SPARSELY VEGETATED:	16,046	2,781
Beaches	1,842	116
Other Sand	98	30
Bare Rock	1,202	150
Mines/Quarries	8,287	1,831
Transitional--Landfills	719	324
Transitional--Other	391	158
Transitional--Mixture	873	86
Mixed Sparsely Vegetated	2,633	87
	=====	=====
	<u>Total Acres</u>	<u>Within Threat Area</u>
TOTAL URBAN LAND:	1,139,000	552,159
TOTAL NON-URBAN LAND:	3,248,602	259,475
GRAND TOTAL:	4,387,602	811,634

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: Dam Failure Inundation

BASIS: Existing Land Use, 2005 using 2009 hazard mapping

Total Acres Within Dam Inundation Area

TOTAL RESIDENTIAL LAND [excluding mixed use]:	555,463	78,652
1 unit/1-5 acre lot (Rural Residential)	211,070	17,509
1-3 units/acre	66,698	6,485
3-8 units/acre	186,336	36,496
>8 units/acre	85,900	17,054
Mobile Home Parks	5,458	1,108
TOTAL MIXED RESIDENTIAL/COMMERCIAL:	1,775	206
Within a Land Area	73	44
Within a Building	1,327	75
Mixture of Above or Unknown	374	87
TOTAL MIXED COMMERCIAL/INDUSTRIAL:	3,344	1,046
TOTAL INDUSTRIAL [excluding mixed]:	72,125	21,726
Light Industrial	18,591	5,271
Heavy Industrial	20,599	5,410
Salvage/Recycling, Mixture or Unknown	10,450	5,214
Food Processing, Warehousing	22,486	5,830
TOTAL MAJOR INFRASTRUCTURE:	205,807	45,177
Roads, Highway and Related Facilities	185,665	41,633
Rail Stations, Yards and Related Facilities	2,470	902
Airports	11,433	1,592
Ports	2,801	269
Power Facilities	485	81
Municipal Wastewater Facilities	778	385
Municipal Water Supply Facilities	657	93
Communication Facilities	599	122
Infrastructure--Other, Unknown	919	100
TOTAL MILITARY:	30,549	1,521
Military Residential	332	0
Military Hospital	650	364
Military Communications	1,642	1,128
Military Airport or Port	2,641	0
General Military	11,565	25
Open Military Lands	6,084	0
Closed Military Facilities	7,635	5
TOTAL COMMERCIAL/SERVICES [excluding mixed]:	110,502	27,842
Subtotal-Commercial:	62,992	18,226

Retail/Wholesale	29,652	9,028
Research/Office	17,777	6,124
Comm. Outdoor Recreation	4,129	924
Other, Mixture or Unknown	11,434	2,150
Subtotal-Education:	31,088	6,949
Educational Offices and Day Care	3,784	427
Elementary/Secondary	16,926	4,190
Colleges/Universities	9,870	2,232
Stadium Facilities	78	57
University Housing	337	8
Day Care Facilities	92	34
Subtotal-Hospitals and Health Care	5,706	754
Trauma Center Hospitals	293	138
Community or Local Hospitals	2,046	380
Surgery Centers	0	0
State Prisons	811	4
State Mental Health Facilities	1,632	132
Clinics and Long-Term Care	923	100
Subtotal-Public Institutions:	10,717	1,912
Convention Centers	109	36
Sports Stadiums	345	69
Churches/Synagogues/Other	5,142	946
City Halls/County Administration	3,211	516
Local Jails	400	53
Local Police/Fire/Emergency	179	67
Other-Comm. Centers/Libraries	1,330	226
TOTAL URBAN OPEN:	159,435	30,422
Golf Courses	22,240	2,457
Racetracks	932	59
Campgrounds and Other	12,608	1,518
Cemeteries	4,245	486
Parks	55,384	12,934
Vacant--Cleared for Redevelopment	4,659	327
Vacant--Undeveloped	54,307	10,001
Mixed Urban Open, Including Parks	5,059	2,640
TOTAL AGRICULTURE:	942,381	192,641
Cropland and Pasture	663,245	127,726
Orchards/Groves/Vineyards	271,852	63,639
Greenhouses	1,531	756
Confined Feeding	1,326	0
Farmsteads and Inactive	4,427	519
TOTAL RANGELAND:	1,222,862	27,463
Herbaceous Range	883,702	20,528
Shrub and Brush	314,053	5,293
Mixed Range	25,108	1,642

TOTAL WETLANDS [Based on USGS Mapping]:	104,962	27,751
Forested	6,365	642
Non-Forested	61,754	8,791
Salt Evaporators	36,436	18,204
Wetlands--Unknown	406	114
TOTAL FOREST LAND:	962,350	15,221
Deciduous	137,516	1,911
Evergreen	412,857	9,127
Mixed Forest	411,977	4,183
TOTAL SPARSELY VEGETATED:	16,046	4,681
Beaches	1,842	14
Other Sand	98	0
Bare Rock	1,202	384
Mines/Quarries	8,287	3,560
Transitional--Landfills	719	81
Transitional--Other	391	49
Transitional--Mixture	873	425
Mixed Sparsely Vegetated	2,633	168
	=====	=====
	<u>Total Acres</u>	<u>Within Dam Inundation Area</u>
TOTAL URBAN LAND:	1,139,000	206,593
TOTAL NON-URBAN LAND:	3,248,602	267,757
GRAND TOTAL:	4,387,602	474,350

Source: Association of Bay Area Governments, 2009.

Note: Because of independent rounding, subcategories may not add to totals.

*Critical Facilities
Print Outs
(regional data only)*

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Shaking Potential
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u> <u>Number</u>	<u>Lowest</u> <u>Potential</u>	<u>>></u>	<u>>>></u>	<u>>>>></u>	<u>Highest</u> <u>Potential</u>
HEALTH CARE						
FACILITIES:	840	0	13	193	489	142
Hospital	102	0	2	29	52	19
Long-Term Care Facility	239	0	4	70	121	42
Primary Care or Specialty Clinic	330	0	4	58	214	54
Home Health Agency or Hospice	169	0	3	36	102	27
SCHOOLS:						
K-12	2,805	0	66	817	1,541	378
Continuation High School or Other	2,323	0	51	666	1,275	329
College or University	403	0	13	135	211	44
College or University	79	0	2	16	55	5
CRITICAL FACILITIES:						
City-Owned	6,153	0	204	1,360	3,606	895
County-Owned	3,262	0	137	753	1,796	537
Owned by Special Districts	933	0	8	157	654	90
Owned by Special Districts	1,958	0	59	450	1,156	268
BRIDGES AND						
INTERCHANGES:	4,153	0	172	1,240	2,198	512
Locally-Owned	2,209	0	91	751	1,125	229
State-Owned	1,944	0	81	489	1,073	283

Source: Association of Bay Area Governments, 2010.

Based on map of Earthquake Shaking Potential for California, Spring 2003, a joint product of the California Seismic Safety Commission, California Geological Survey, Governor's Office of Emergency Services, and US Geological Survey.

Health care facilities are based on a list of licensed facilities from the California Office of Statewide Health Planning and Development.

K-12 schools, colleges, and universities are based on a combination of addresses from Thomas Bros. and the individual facilities.

Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco

PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Liquefaction Susceptibility
 BASIS: Critical Facilities Exposure, 2010

	<u>Total Number</u>	<u>Low or Very Low</u>	<u>Moderate</u>	<u>High</u>	<u>Very High</u>
HEALTH CARE FACILITIES:	840	292	481	6	61
Hospital	102	47	47	1	7
Long-Term Care Facility	239	106	124	1	8
Primary Care or Specialty Clinic	330	97	202	3	28
Home Health Agency or Hospice	169	42	108	1	18
SCHOOLS:	2,805	1,154	1,477	44	130
K-12	2,323	960	1,225	34	104
Continuation High School or Other	403	162	218	9	14
College or University	79	32	34	1	12
CRITICAL FACILITIES:	6,153	2,768	2,403	200	782
City-Owned	3,262	1,205	1,502	164	391
County-Owned	933	338	362	14	219
Owned by Special Districts	1,958	1,225	539	22	172
BRIDGES AND INTERCHANGES:	4,153	1,562	1,986	204	401
Locally-Owned	2,209	814	1,024	130	241
State-Owned	1,944	748	962	74	160

Source: Association of Bay Area Governments, 2010.

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Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Fault CGS Study Zones
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u> <u>Number</u>	<u>Within CGS</u> <u>Study Zone</u>
HEALTH CARE FACILITIES:	840	14
Hospital	102	2
Long-Term Care Facility	239	4
Primary Care or Specialty Clinic	330	5
Home Health Agency or Hospice	169	3
SCHOOLS:	2,805	32
K-12	2,323	26
Continuation High School or Other	403	5
College or University	79	1
CRITICAL FACILITIES:	6,153	208
City-Owned	3,262	92
County-Owned	933	10
Owned by Special Districts	1,958	106
BRIDGES AND INTERCHANGES:	4,153	101
Locally-Owned	2,209	44
State-Owned	1,944	57
	=====	=====

Source: Association of Bay Area Governments, 2010.

Based on mapping of zones along active faults performed by the California Geological Survey under the [Alquist-Priolo Earthquake Fault Zoning Act](#).

Health care facilities are based on a list of licensed facilities from the California Office of Statewide Health Planning and Development.

K-12 schools, colleges, and universities are based on a combination of addresses from Thomas Bros. and the individual facilities.

Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

Note: The CGS study zones are larger than fault zones. They are zones in which studies are required in order to ensure that no structures intended for human occupancy are placed across active faults. A facility identified in this table as being within the study zone is not necessarily subject to actual fault rupture.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: FEMA Flood Zones
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u> <u>Number</u>	<u>Minimal or</u> <u>Undetermined</u> <u>Flood</u> <u>Hazard</u>	<u>500-yr Flood</u> <u>Plain</u> <u>or Other</u> <u>Concern</u> <u>(Zone X500)</u>	<u>100-yr Flood</u> <u>Plain</u> <u>(Zone V</u> <u>or Zone A)</u>
HEALTH CARE FACILITIES:	840	689	137	14
Hospital	102	84	16	2
Long-Term Care Facility	239	191	45	3
Primary Care or Specialty Clinic	330	275	49	6
Home Health Agency or Hospice	169	139	27	3
SCHOOLS:	2,805	2,343	393	69
K-12	2,323	1,941	326	56
Continuation High School or Other	403	335	56	12
College or University	79	67	11	1
CRITICAL FACILITIES:	6,153	4,912	828	413
City-Owned	3,262	2,349	636	277
County-Owned	933	824	77	32
Owned by Special Districts	1,958	1,739	115	104
BRIDGES AND INTERCHANGES:	4,153	3,046	638	469
Locally-Owned	2,209	1,556	342	311
State-Owned	1,944	1,490	296	158
	=====	=====	=====	=====

Source: Association of Bay Area Governments, 2010.

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Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Existing Landslide Areas
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u>	<u>Very Few</u>	<u>Few</u>	<u>Many</u>	<u>Mostly a</u>
	<u>Number</u>	<u>or No</u>	<u>Landslides</u>	<u>Landslides</u>	<u>Landslide</u>
		<u>Landslides</u>	<u>Landslides</u>	<u>Landslides</u>	<u>Area</u>
HEALTH CARE FACILITIES:	840	694	139	0	7
Hospital	102	77	25	0	0
Long-Term Care Facility	239	179	56	0	4
Primary Care or Specialty Clinic	330	285	43	0	2
Home Health Agency or Hospice	169	153	15	0	1
SCHOOLS:	2,805	2,242	514	4	45
K-12	2,323	1,866	420	2	35
Continuation High School or Other	403	318	73	2	10
College or University	79	58	21	0	0
CRITICAL FACILITIES:	6,153	4,286	1,545	0	322
City-Owned	3,262	2,530	634	0	98
County-Owned	933	822	99	0	12
Owned by Special Districts	1,958	934	812	0	212
BRIDGES AND INTERCHANGES:	4,153	3,160	770	28	195
Locally-Owned	2,209	1,666	382	26	135
State-Owned	1,944	1,494	388	2	60

Source: Association of Bay Area Governments, 2010.

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Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Wildfire Threat
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u> <u>Number</u>	<u>Moderate</u> <u>or Low</u> <u>Threat</u>	<u>High</u> <u>Threat</u>	<u>Very High</u> <u>Threat</u>	<u>Extreme</u> <u>Threat</u>
HEALTH CARE FACILITIES:	840	835	4	1	0
Hospital	102	101	1	0	0
Long-Term Care Facility	239	239	0	0	0
Primary Care or Specialty Clinic	330	326	3	1	0
Home Health Agency or Hospice	169	169	0	0	0
SCHOOLS:	2,805	2,735	47	23	0
K-12	2,323	2,269	37	17	0
Continuation High School or Other	403	389	9	5	0
College or University	79	77	1	1	0
CRITICAL FACILITIES:	6,153	5,726	262	165	0
City-Owned	3,262	3,145	82	35	0
County-Owned	933	899	18	16	0
Owned by Special Districts	1,958	1,682	162	114	0
BRIDGES AND INTERCHANGES:	4,153	3,597	318	211	6
Locally-Owned	2,209	1,834	218	146	4
State-Owned	1,944	1,763	100	65	2

Source: Association of Bay Area Governments, 2010.
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JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Wildland Urban Interface Fire Threat
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u> <u>Number</u>	<u>Not In</u> <u>Threat</u> <u>Area</u>	<u>Within</u> <u>Threat</u> <u>Area</u>
HEALTH CARE FACILITIES:	840	518	322
Hospital	102	61	41
Long-Term Care Facility	239	119	120
Primary Care or Specialty Clinic	330	215	115
Home Health Agency or Hospice	169	123	46
SCHOOLS:	2,805	1,480	1,325
K-12	2,323	1,219	1,104
Continuation High School or Other	403	221	182
College or University	79	40	39
CRITICAL FACILITIES:	6,153	2,914	3,239
City-Owned	3,262	1,662	1,600
County-Owned	933	597	336
Owned by Special Districts	1,958	655	1,303
BRIDGES AND INTERCHANGES:	4,153	2,507	1,646
Locally-Owned	2,209	1,332	877
State-Owned	1,944	1,175	769

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Source: Association of Bay Area Governments, 2010.
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 Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Dam Failure Inundation
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u>	<u>Not In an</u>	<u>Within</u>
	<u>Number</u>	<u>Inundation</u>	<u>a Dam</u>
		<u>Area</u>	<u>Inundation</u>
			<u>Area</u>
HEALTH CARE FACILITIES:	840	628	212
Hospital	102	77	25
Long-Term Care Facility	239	189	50
Primary Care or Specialty Clinic	330	238	92
Home Health Agency or Hospice	169	124	45
SCHOOLS:	2,805	2,219	586
K-12	2,323	1,840	483
Continuation High School or Other	403	312	91
College or University	79	67	12
CRITICAL FACILITIES:	6,153	4,742	1,411
City-Owned	3,262	2,435	827
County-Owned	933	764	169
Owned by Special Districts	1,958	1,543	415
BRIDGES AND INTERCHANGES:	4,153	2,966	1,187
Locally-Owned	2,209	1,591	618
State-Owned	1,944	1,375	569

Source: Association of Bay Area Governments, 2010.

Health care facilities are based on a list of licensed facilities from the California Office of Statewide Health Planning and Development.

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Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Sea Level Rise
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u> <u>Number</u>	<u>Not In</u> <u>Threat</u> <u>Area</u>	<u>55-Inch</u> <u>Zone</u>	<u>16-Inch</u> <u>Zone</u>
HEALTH CARE FACILITIES:	840	814	16	10
Hospital	102	101	0	1
Long-Term Care Facility	239	236	3	0
Primary Care or Specialty Clinic	330	322	4	4
Home Health Agency or Hospice	169	155	9	5
SCHOOLS:	2,805	2,715	38	52
K-12	2,323	2,251	30	42
Continuation High School or Other	403	387	7	9
College or University	79	77	1	1
CRITICAL FACILITIES:	6,153	5,634	228	291
City-Owned	3,262	2,906	112	244
County-Owned	933	872	43	18
Owned by Special Districts	1,958	1,856	73	29
BRIDGES AND INTERCHANGES:	4,153	3,885	134	134
Locally-Owned	2,209	2,081	71	57
State-Owned	1,944	1,804	63	77

Source: Association of Bay Area Governments, 2010.
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JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Tsunami
 BASIS: Critical Facilities Exposure, 2010

	<u>Total</u> <u>Number</u>	<u>Not In</u> <u>Threat</u> <u>Area</u>	<u>Within</u> <u>Threat</u> <u>Area</u>
HEALTH CARE FACILITIES:	840	840	0
Hospital	102	102	0
Long-Term Care Facility	239	239	0
Primary Care or Specialty Clinic	330	330	0
Home Health Agency or Hospice	169	169	0
SCHOOLS:	2,805	2,803	2
K-12	2,323	2,323	0
Continuation High School or Other	403	403	0
College or University	79	77	2
CRITICAL FACILITIES:	6,153	5,788	365
City-Owned	3,262	3,112	150
County-Owned	933	812	121
Owned by Special Districts	1,958	1,864	94
BRIDGES AND INTERCHANGES:	4,153	4,068	85
Locally-Owned	2,209	2,166	43
State-Owned	1,944	1,902	42

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Source: Association of Bay Area Governments, 2010.
 Health care facilities are based on a list of licensed facilities from the California Office of Statewide Health Planning and Development.
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 Critical facilities were identified by the local jurisdictions. City-owned and county-owned facilities were identified for all cities and counties in the Bay Area. (San Francisco is included as a county.) Thirty water, transit, fire, and other special districts are included as well, but this should not be considered a complete count of special district facilities. It's not always clear whether an agency is part of the city or county government or an independent special district. Agencies with dedicated functions (eg, San Francisco PUC) are included in the city-owned or county-owned totals if they are a department of the city or county. Otherwise they are considered a special district.

*Existing Infrastructure
Print Outs
(regional data only)*

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Shaking Potential
 BASIS: Existing Infrastructure, 2009

	<u>Total</u> <u>Miles</u>	<u>Lowest</u> <u>Potential</u>	<u>>></u>	<u>>>></u>	<u>>>>></u>	<u>Highest</u> <u>Potential</u>
ROADS:	33,021	179	2,384	11,294	15,550	3,614
Interstate Highway	1,377	42	85	387	664	200
Primary US/State Highway	570	15	41	128	227	159
Secondary State/Co Highway	5,816	19	431	1,950	2,737	679
Local Road	22,828	88	1,636	8,105	10,716	2,283
Misc Ramp/Road	2,430	15	191	724	1,207	293
TRANSIT:	433	5	25	70	249	84
Altamont Commuter Express (ACE)	55	0	8	11	27	9
Amtrak	119	1	17	19	51	31
Bay Area Rapid Transit (BART)	101	3	0	15	59	24
Caltrain	77	0	0	14	55	8
San Francisco Muni Metro	37	0	0	6	20	11
Santa Clara VTA	42	0	0	4	38	0
RAIL:	940	11	59	324	394	152
All Railroads	940	11	59	324	394	152
PIPELINES:	21,851	95	947	7,085	11,258	2,465
Pipelines Under Roads	21,851	95	947	7,085	11,258	2,465

Source: Association of Bay Area Governments, 2009.
 Based on map of Earthquake Shaking Potential for California, Spring 2003, a joint product of the California Seismic Safety Commission, California Geological Survey, Governor's Office of Emergency Services, and US Geological Survey.
 Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.
 Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Liquefaction Susceptibility
 BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>	<u>Moderate</u>	<u>High</u>	<u>Very High</u>
ROADS:	33,021	13,004	1,282	1,820
Interstate Highway	1,377	602	36	154
Primary US/State Highway	570	177	43	20
Secondary State/Co Highway	5,816	2,522	260	382
Local Road	22,828	8,689	814	1,045
Misc Ramp/Road	2,430	1,014	128	219
TRANSIT:	433	240	9	51
Altamont Commuter Express (ACE)	55	36	4	1
Amtrak	119	67	0	24
Bay Area Rapid Transit (BART)	101	43	3	8
Caltrain	77	48	0	8
San Francisco Muni Metro	37	9	0	9
Santa Clara VTA	42	37	2	1
RAIL:	940	443	48	150
All Railroads	940	443	48	150
PIPELINES:	21,851	9,816	558	1,286
Pipelines Under Roads	21,851	9,816	558	1,286

Source: Association of Bay Area Governments, 2009.

Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.

Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: EQ Fault CGS Study Zones
 BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>	<u>Within CGS Study Zone</u>
ROADS:	33,021	751
Interstate Highway	1,377	39
Primary US/State Highway	570	34
Secondary State/Co Highway	5,816	129
Local Road	22,828	483
Misc Ramp/Road	2,430	66
TRANSIT:	433	5
Altamont Commuter Express (ACE)	55	2
Amtrak	119	2
Bay Area Rapid Transit (BART)	101	1
Caltrain	77	0
San Francisco Muni Metro	37	0
Santa Clara VTA	42	0
RAIL:	940	11
All Railroads	940	11
PIPELINES:	21,851	411
Pipelines Under Roads	21,851	411
	=====	=====

Source: Association of Bay Area Governments, 2009.
 Based on mapping of zones along active faults performed by the California Geological Survey under the [Alquist-Priolo Earthquake Fault Zoning Act](#).
 Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.
 Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.
 The CGS study zones are larger than fault zones. They are zones in which studies are required in order to ensure that no structures intended for human occupancy are placed across active faults. Only a small fraction of the land in this table is actually subject to fault rupture.
 To get a better idea of the surface rupture hazard to roads, see <http://quake.abag.ca.gov/eqtrans/result.html> and select a specific scenario earthquake to display an estimate of the number of road closures due to surface rupture.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: FEMA Flood Zones
 BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>	<u>500-yr Flood Plain or Other Concern (Q3 Zone X500)</u>	<u>100-yr Flood Plain (Q3 Zone V or A)</u>
ROADS:	33,021	3,972	1,731
Interstate Highway	1,377	158	107
Primary US/State Highway	570	57	38
Secondary State/Co Highway	5,816	765	335
Local Road	22,828	2,664	1,043
Misc Ramp/Road	2,430	328	209
TRANSIT:	433	74	42
Altamont Commuter Express (ACE)	55	10	8
Amtrak	119	16	25
Bay Area Rapid Transit (BART)	101	5	2
Caltrain	77	24	5
San Francisco Muni Metro	37	0	0
Santa Clara VTA	42	19	2
RAIL:	940	117	149
All Railroads	940	117	149
PIPELINES:	21,851	3,264	807
Pipelines Under Roads	21,851	3,264	807
	=====	=====	=====

Source: Association of Bay Area Governments, 2009.

Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.

Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Existing Landslide Areas
 BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>	<u>Few</u> <u>Landslides</u>	<u>Many</u> <u>Landslides</u>	<u>Mostly a</u> <u>Landslide</u> <u>Area</u>
ROADS:	33,021	8,909	217	2,390
Interstate Highway	1,377	310	0	46
Primary US/State Highway	570	129	2	67
Secondary State/Co Highway	5,816	1,348	82	340
Local Road	22,828	6,546	120	1,800
Misc Ramp/Road	2,430	576	12	137
TRANSIT:	433	43	0	9
Altamont Commuter Express (ACE)	55	7	0	4
Amtrak	119	5	0	2
Bay Area Rapid Transit (BART)	101	24	0	4
Caltrain	77	3	0	1
San Francisco Muni Metro	37	4	0	0
Santa Clara VTA	42	0	0	0
RAIL:	940	78	0	15
All Railroads	940	78	0	15
PIPELINES:	21,851	5,347	2	848
Pipelines Under Roads	21,851	5,347	2	848

Source: Association of Bay Area Governments, 2009.

Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.

Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: Wildfire Threat

BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>	<u>High</u>	<u>Very High</u>	<u>Extreme</u>
ROADS:	33,021	3,078	2,324	5
Interstate Highway	1,377	64	23	0
Primary US/State Highway	570	101	105	1
Secondary State/Co Highway	5,816	589	404	1
Local Road	22,828	2,094	1,622	3
Misc Ramp/Road	2,430	230	169	0
TRANSIT:	433	14	10	0
Altamont Commuter Express (ACE)	55	8	7	0
Amtrak	119	2	1	0
Bay Area Rapid Transit (BART)	101	4	3	0
Caltrain	77	0	0	0
San Francisco Muni Metro	37	0	0	0
Santa Clara VTA	42	0	0	0
RAIL:	940	36	46	0
All Railroads	940	36	46	0
PIPELINES:	21,851	759	540	1
Pipelines Under Roads	21,851	759	540	1

Source: Association of Bay Area Governments, 2009.

Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.

Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL
 HAZARD: Wildland Urban Interface Fire Threat
 BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>	<u>Within Threat Area</u>
ROADS:	33,021	14,798
Interstate Highway	1,377	507
Primary US/State Highway	570	169
Secondary State/Co Highway	5,816	2,339
Local Road	22,828	10,875
Misc Ramp/Road	2,430	908
TRANSIT:	433	123
Altamont Commuter Express (ACE)	55	14
Amtrak	119	25
Bay Area Rapid Transit (BART)	101	39
Caltrain	77	25
San Francisco Muni Metro	37	12
Santa Clara VTA	42	8
RAIL:	940	264
All Railroads	940	264
PIPELINES:	21,851	11,172
Pipelines Under Roads	21,851	11,172
	=====	=====

Source: Association of Bay Area Governments, 2009.

Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.

Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.

JURISDICTION: 9-County Bay Area TOTAL

HAZARD: Dam Failure Inundation

BASIS: Existing Infrastructure, 2009

	<u>Total Miles</u>	<u>Within Dam Inundation Area</u>
ROADS:	33,021	6,422
Interstate Highway	1,377	360
Primary US/State Highway	570	67
Secondary State/Co Highway	5,816	1,289
Local Road	22,828	4,152
Misc Ramp/Road	2,430	554
TRANSIT:	433	175
Altamont Commuter Express (ACE)	55	35
Amtrak	119	54
Bay Area Rapid Transit (BART)	101	18
Caltrain	77	40
San Francisco Muni Metro	37	3
Santa Clara VTA	42	25
RAIL:	940	303
All Railroads	940	303
PIPELINES:	21,851	4,556
Pipelines Under Roads	21,851	4,556
	=====	=====

Source: Association of Bay Area Governments, 2009.

Miles of pipeline is an approximation based on miles of road within water service area boundaries and does not include major aqueducts.

Miles of pipeline is miles of water pipelines. Miles of sewer pipelines should be approximately the same.

Note: Because of independent rounding, subcategories may not add to totals.