

Appendix F:

Vulnerability Analysis Tables

The following section describes the vulnerabilities that face Clackamas County residents. Table F-1 describes the number of potentially impacted areas and infrastructure in relation to each hazard. Table F-1 describes the number of economic locations located in potentially impacted areas. Both tables were developed by the Clackamas County GIS department.

The tables describe vulnerabilities from the following hazards: earthquakes, floods, wildfires, landslides, and volcano. The information illustrated in these tables will help the Hazard Mitigation Advisory Committee and a variety of Clackamas County departments develop mitigation projects that focus on reducing the loss of life and property from natural hazards.

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Table F-1: Vulnerability Analysis for Critical Infrastructure and Facilities

	Hazard Area		Potentially Impacted Parcels				Potentially Impacted Locations			Infrastructure						
Hazard	Acres	% of Total Acres	# of Parcels	% of Total Parcels	Market Value of Parcels	% of Total Market Value	Critical Facilities	Essential Facilities	Vulnerable Populations	Miles of Road	Miles of Water Lines	Miles of Sewer Lines	Bridges	Cell Towers	Sub Stations	Dams
County Total	1,205,681	Not Applicable	151,520	Not Applicable	49,776,355,593	Not Applicable	237	52	576	4902	No Data	324	520	17	48	58
Relative Earthquake Hazard																
Moderate	231,111	19%	37,151	25%	11,434,905,204	23%	53	5	143	1001	No Data	59	117	2	12	13
Moderate & High	Not Applicable	Not Applicable	16,404	11%	8,688,761,417	17%	20	9	52	363	No Data	11	171	9	12	21
High	311,767	26%	12,494	8%	4,003,308,909	8%	19	9	48	577	No Data	30	100	1	6	12
Flooding																
100 year Floodplain	23,036	2%	4,615	3%	1,574,157,749	3%	7	1	13	73	No Data	17	90	0	6	4
100 & 500 year Floodplain	Not Applicable	Not Applicable	4,173	3%	2,871,603,022	6%	0	3	4	26	No Data	4	96	0	4	3
500 year Floodplain	4,591	<1%	2,071	1%	684,363,136	1%	0	1	6	54	No Data	4	10	0	2	1
Overall Wildfire Risk																
Moderate	715,865	59%	47,711	31%	17,597,341,187	35%	82	18	139	2055	No Data	81	275	5	25	33
Moderate & High	Not Applicable	Not Applicable	1,383	1%	736,836,278	1%	1	0	3	239	No Data	1	37	4	6	7
High	179,535	15%	204	< 1%	53,862,429	<1%	0	0	2	239	No Data	1	1	4	2	0
Landslide Hazard																
Moderate	163,929	14%	12,458	8%	4,830,117,428	10%	3	2	38	466	No Data	16	87	1	6	18
Moderate & High	Not Applicable	Not Applicable	11,993	8%	5,244,927,899	11%	4	8	16	385	No Data	6	108	9	9	18
High	213,007	18%	197	<1%	102,779,561	<1%	1	0	0	44	No Data	1	0	0	0	0
Volcano																
Exposed	100,897	8%	7,634	5%	1,406,788,533	3%	7	2	2	273	No Data	21	55	1	4	1

Source: Clackamas County GIS

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Table F-2: Vulnerability Analysis for Economic Locations

	Economic Locations								
Hazard	Prof. Business Services	Wholesale Trade	Health Care	High Tech	Manufacturing	Transport. & Distribution	Food & Bev. Processing	Nurseries & Greenhouses	Ag. & Food Production
County Total	2526	1167	713	92	257	178	55	142	276
Relative Earthquake Hazard									
Moderate	690	274	209	20	31	30	8	12	37
Moderate & High	476	165	121	19	28	16	7	4	22
High	218	118	65	5	26	23	10	9	16
Flooding									
100 year Floodplain	53	25	11	1	13	5	0	2	3
100 & 500 year Floodplain	130	48	19	0	11	10	4	4	9
500 year Floodplain	52	28	9	3	4	3	1	2	3
Overall Wildfire Risk									
Moderate	824	304	221	23	61	50	19	34	63
Moderate & High	15	5	4	0	0	1	0	0	0
High	1	1	0	0	0	0	0	0	0
Landslide Hazard									
Moderate	247	89	51	7	15	15	5	8	22
Moderate & High	168	59	23	1	11	8	1	2	12
High	2	0	3	0	0	0	0	0	0
Volcano									
Exposed	16	9	4	0	0	3	0	1	4

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