

**AREA IN FLOOD HAZARD
UNINCORPORATED THURSTON COUNTY**

100-Year Flood Plain	Total Area (Acres)	100-Flood Plain	High Groundwater	Flood of Record	Area in SFHA	Percent in SFHA
Watershed						
Budd Inlet	8,956	802	81	5	882	9.8%
Deschutes River: Lower	14,549	1,905	213	5	1,965	13.5%
Deschutes River: Middle	29,241	2,606	330	0	2,818	9.6%
Deschutes River: Upper	22,488	279	14	0	294	1.3%
Eld Inlet	22,896	369	147	15	499	2.2%
Henderson Inlet	21,003	1,108	283	72	1,354	6.4%
McAllister Creek	12,285	569	223	1,373	1,833	14.9%
Nisqually	52,985	4,017	1,263	1,165	5,298	10.0%
Nisqually Reach	3,909	35	9	0	42	1.1%
Totten Inlet	20,387	788	104	0	892	4.4%
Black River	78,096	7,188	2,148	4,853	10,033	12.8%
Chehalis River	45,620	5,218	942	5,461	6,374	14.0%
Skookumchuck River	55,578	3,956	293	0	4,074	7.3%
West Capitol Forest	19,456	0	0	0	0	0.0%
Unincorporated Area						
Urban Growth Area	21,007	1,352	397	331	1,768	8.4%
Rural	386,442	27,487	5,652	12,618	34,590	9.0%
Total	407,449	28,839	6,049	12,950	36,358	8.9%

Source: FEMA, Thurston GeoData

Note: "100-Year Flood Plains" are the Special Flood Hazard Areas subject to inundation by the 1% annual chance of flood. Includes the draft updates to coastal flood hazards. Thurston County's regulated Special Flood Hazard Areas (SFHA) include those areas mapped as high groundwater hazard areas and floods of record. Analysis excludes federal lands, tribal reservations, and incorporated areas.

**DWELLING UNITS VULNERABLE TO FLOODING
UNINCORPORATED THURSTON COUNTY
2016 & 2040**

100-Year Flood Plain	2016			2040		
	Total Dwellings	Vulnerable to Flooding Number	Percent	Total Dwellings	Vulnerable to Flooding Number	Percent
Watershed						
Budd Inlet	4,140	42	1.0%	6,002	46	0.8%
Deschutes River: Lower	5,750	80	1.4%	7,606	247	3.2%
Deschutes River: Middle	2,715	134	4.9%	3,620	153	4.2%
Deschutes River: Upper	77	7	9.1%	97	7	7.3%
Eld Inlet	4,410	34	0.8%	5,085	39	0.8%
Henderson Inlet	10,448	39	0.4%	17,782	42	0.2%
McAllister Creek	7,095	161	2.3%	11,057	166	1.5%
Nisqually	5,665	187	3.3%	8,599	208	2.4%
Nisqually Reach	1,320	1	0.1%	1,766	1	0.1%
Totten Inlet	1,579	7	0.4%	1,805	8	0.4%
Black River	6,616	189	2.9%	9,128	221	2.4%
Chehalis River	4,759	299	6.3%	6,241	326	5.2%
Skookumchuck River	659	83	12.6%	966	96	10.0%
West Capitol Forest	10	0	0.0%	10	0	0.0%
Unincorporated Area						
Urban Growth Area	20,861	97	0.5%	38,173	230	0.6%
Rural	34,382	1,166	3.4%	41,593	1,330	3.2%
Total	55,243	1,263	2.3%	79,766	1,560	2.0%

County Special Flood Hazard Areas	2016			2040		
	Total Dwellings	Vulnerable to Flooding Number	Percent	Total Dwellings	Vulnerable to Flooding Number	Percent
Watershed						
Budd Inlet	4,140	45	1.1%	6,002	49	0.8%
Deschutes River: Lower	5,750	82	1.4%	7,606	249	3.3%
Deschutes River: Middle	2,715	134	4.9%	3,620	153	4.2%
Deschutes River: Upper	77	7	9.1%	97	7	7.3%
Eld Inlet	4,410	38	0.9%	5,085	43	0.8%
Henderson Inlet	10,448	58	0.6%	17,782	61	0.3%
McAllister Creek	7,095	318	4.5%	11,057	327	3.0%
Nisqually	5,665	347	6.1%	8,599	422	4.9%
Nisqually Reach	1,320	1	0.1%	1,766	1	0.1%
Totten Inlet	1,579	7	0.4%	1,805	9	0.5%
Black River	6,616	468	7.1%	9,128	541	5.9%
Chehalis River	4,759	394	8.3%	6,241	430	6.9%
Skookumchuck River	659	85	12.9%	966	98	10.2%
West Capitol Forest	10	0	0.0%	10	0	0.0%
Unincorporated Area						
Urban Growth Area	20,861	169	0.8%	38,173	360	0.9%
Rural	34,382	1,815	5.3%	41,593	2,031	4.9%
Total	55,243	1,984	3.6%	79,766	2,390	3.0%

Source: TRPC Annual Population Estimates, and Population and Employment Forecast work programs.

Note: Dwelling is considered vulnerable if more than 50% of parcel is in a flood hazard. "100-Year Flood Plains" are the Special Flood Hazard Areas subject to inundation by the 1% annual chance of flood. Includes the draft updates to coastal flood hazards. Thurston County's regulated Special Flood Hazard Areas include those areas mapped as high groundwater hazard areas and floods of record. Analysis excludes federal lands, tribal reservations, and incorporated areas.

**NON-RESIDENTIAL BUILDINGS VULNERABLE TO FLOODING
UNINCORPORATED THURSTON COUNTY
2016**

100-Year Flood Plain	Commercial/ Industrial	Resource/ Recreation	Government	Total Buildings	% Vulnerable to Flooding
Watershed					
Budd Inlet	0	1	0	1	1.1%
Deschutes River: Lower	0	0	0	0	0.0%
Deschutes River: Middle	0	1	0	1	4.8%
Deschutes River: Upper	0	0	0	0	n/a
Eld Inlet	0	0	0	0	0.0%
Henderson Inlet	0	0	1	1	0.4%
McAllister Creek	0	0	1	1	1.4%
Nisqually	0	1	2	3	2.7%
Nisqually Reach	0	0	0	0	0.0%
Totten Inlet	0	0	0	0	0.0%
Black River	3	0	0	3	1.0%
Chehalis River	0	5	22	27	12.5%
Skookumchuck River	0	0	2	2	18.2%
West Capitol Forest	0	0	0	0	0.0%
Unincorporated Area					
Urban Growth Area	0	0	1	1	0.2%
Rural	3	8	27	38	4.8%
Total	3	8	28	39	2.9%

County Special Flood Hazard Areas	Commercial/ Industrial	Resource/ Recreation	Government	Total Buildings	% Vulnerable to Flooding
Watershed					
Budd Inlet	0	1	0	1	1.1%
Deschutes River: Lower	0	0	0	0	0.0%
Deschutes River: Middle	0	1	0	1	4.8%
Deschutes River: Upper	0	0	0	0	n/a
Eld Inlet	0	0	0	0	0.0%
Henderson Inlet	0	0	1	1	0.4%
McAllister Creek	12	3	4	19	25.7%
Nisqually	0	1	2	3	2.7%
Nisqually Reach	0	0	0	0	0.0%
Totten Inlet	0	0	0	0	0.0%
Black River	5	4	0	9	2.9%
Chehalis River	0	5	22	27	12.5%
Skookumchuck River	0	0	2	2	18.2%
West Capitol Forest	0	0	0	0	0.0%
Unincorporated Area					
Urban Growth Area	0	0	1	1	0.2%
Rural	17	15	30	62	7.8%
Total	17	15	31	63	4.7%

Source: Thurston County Assessor (2016).

Note: Building is considered vulnerable if more than 50% of parcel is in a flood hazard. "100-Year Flood Plains" are the Special Flood Hazard Areas subject to inundation by the 1% annual chance of flood. Includes the draft updates to coastal flood hazards. Thurston County's regulated Special Flood Hazard Areas include those areas mapped as high groundwater hazard areas and floods of record. Analysis excludes federal lands, tribal reservations, and incorporated areas.

**VALUE OF BUILDINGS VULNERABLE TO FLOODING
(IN THOUSANDS OF DOLLARS)
UNINCORPORATED THURSTON COUNTY, 2017**

100-Year Flood Plain	Residential	Commercial/ Industrial	Resource/ Recreation	Government	Total Value	% Vulnerable
Watershed						
Budd Inlet	7,917	0	143	12	8,071	1.0%
Deschutes River: Lower	11,461	0	752	0	12,214	1.1%
Deschutes River: Middle	14,752	0	987	0	15,739	3.8%
Deschutes River: Upper	404	0	152	0	556	8.1%
Eld Inlet	8,411	0	0	0	8,411	0.7%
Henderson Inlet	8,542	0	8	1,700	10,250	0.6%
McAllister Creek	21,788	0	33	115	21,935	1.9%
Nisqually	13,429	453	494	4,326	18,702	2.4%
Nisqually Reach	0	0	0	0	0	0.0%
Totten Inlet	1,791	0	0	47	1,838	0.6%
Black River	21,790	1,442	1,771	128	25,131	2.3%
Chehalis River	33,333	0	8,269	25,020	66,621	9.7%
Skookumchuck River	7,490	0	1,498	237	9,225	10.6%
West Capitol Forest	0	0	0	0	0	0.0%
Unincorporated Area						
Urban Growth Area	15,293	0	143	1,700	17,135	0.5%
Rural	135,814	1,895	13,964	29,886	181,558	2.9%
Total	151,106	1,895	14,106	31,585	198,693	2.0%

County Special Flood Hazard Areas	Residential	Commercial/ Industrial	Resource/ Recreation	Government	Total Value	% in SFHA
Watershed						
Budd Inlet	8,237	0	383	12	8,632	1.1%
Deschutes River: Lower	11,712	0	752	0	12,465	1.1%
Deschutes River: Middle	14,855	0	987	0	15,842	3.8%
Deschutes River: Upper	404	0	152	0	556	8.1%
Eld Inlet	8,994	0	0	0	8,994	0.8%
Henderson Inlet	11,844	0	8	1,700	13,551	0.7%
McAllister Creek	35,830	3,106	4,280	1,941	45,157	3.9%
Nisqually	25,988	453	921	4,326	31,688	4.1%
Nisqually Reach	0	0	0	0	0	0.0%
Totten Inlet	1,791	0	0	47	1,838	0.6%
Black River	45,482	1,972	5,952	128	53,533	5.0%
Chehalis River	42,558	21	8,763	25,020	76,362	11.1%
Skookumchuck River	7,490	0	1,528	237	9,254	10.6%
West Capitol Forest	0	0	0	0	0	0.0%
Unincorporated Area						
Urban Growth Area	22,848	0	271	1,700	24,818	0.7%
Rural	192,335	5,552	23,457	31,712	253,055	4.0%
Total	215,183	5,552	23,727	33,411	277,872	2.9%

Source: Thurston County Assessor (2017).

Note: Value is considered vulnerable if more than 50% of parcel is in flood hazard. "100-Year Flood Plains" are the Special Flood Hazard Areas subject to inundation by the 1% annual chance of flood. Includes the draft updates to coastal flood hazards. Thurston County's regulated Special Flood Hazard Areas include those areas mapped as high groundwater hazard areas and floods of record. Analysis excludes federal lands, tribal reservations, and incorporated areas.

**ECONOMIC VULNERABILITY TO FLOODING
UNINCORPORATED THURSTON COUNTY**

100-Year Flood Plain	Businesses			Employees		
	Total Businesses	Vulnerable to Flooding Number	Percent	Total Employees	Vulnerable to Flooding Number	Percent
Watershed						
Budd Inlet	895	16	1.8%	1,510	30	2.0%
Deschutes River: Lower	1,094	18	1.6%	2,100	20	0.9%
Deschutes River: Middle	417	20	4.8%	930	30	3.1%
Deschutes River: Upper	8	0	0.0%	20	< 5	5.1%
Eld Inlet	1,024	13	1.3%	3,030	10	0.3%
Henderson Inlet	2,043	23	1.1%	5,020	20	0.3%
McAllister Creek	1,057	36	3.4%	2,690	30	1.2%
Nisqually	1,433	39	2.7%	2,230	160	7.2%
Nisqually Reach	283	2	0.7%	380	< 5	0.0%
Totten Inlet	379	3	0.8%	520	10	1.1%
Black River	1,463	32	2.2%	3,650	90	2.5%
Chehalis River	1,003	48	4.8%	3,070	280	9.3%
Skookumchuck River	123	15	12.2%	340	70	21.3%
West Capitol Forest	2	0	0.0%	10	< 5	0.0%
Unincorporated Area						
Urban Growth Area	3,293	32	1.0%	9,700	< 50	0.3%
Rural	7,931	233	2.9%	15,700	700	4.5%
Total	11,224	265	2.4%	25,500	700	2.9%

County Special Flood Hazard Areas	Businesses			Employees		
	Total Businesses	Vulnerable to Flooding Number	Percent	Total Employees	Vulnerable to Flooding Number	Percent
Watershed						
Budd Inlet	895	16	1.8%	1,510	30	2.2%
Deschutes River: Lower	1,094	18	1.6%	2,100	20	0.9%
Deschutes River: Middle	417	22	5.3%	930	30	3.1%
Deschutes River: Upper	8	0	0.0%	20	< 5	5.1%
Eld Inlet	1,024	13	1.3%	3,030	10	0.3%
Henderson Inlet	2,043	32	1.6%	5,020	20	0.4%
McAllister Creek	1,057	73	6.9%	2,690	250	9.3%
Nisqually	1,433	66	4.6%	2,230	200	8.8%
Nisqually Reach	283	2	0.7%	380	< 5	0.0%
Totten Inlet	379	3	0.8%	520	10	1.1%
Black River	1,463	88	6.0%	3,650	230	6.3%
Chehalis River	1,003	67	6.7%	3,070	320	10.6%
Skookumchuck River	123	15	12.2%	340	70	21.4%
West Capitol Forest	2	0	0.0%	10	< 5	0.0%
Unincorporated Area						
Urban Growth Area	3,293	40	1.2%	9,700	< 50	0.5%
Rural	7,931	375	4.7%	15,700	1,100	7.2%
Total	11,224	415	3.7%	25,500	1,200	4.7%

Source: WA Department of Revenue, TRPC Population and Employment Forecast work programs.

Note: Employment is considered vulnerable if more than 50% of parcel is in flood hazard. "100-Year Flood Plains" are the Special Flood Hazard Areas subject to inundation by the 1% annual chance of flood. Includes the draft updates to coastal flood hazards. Thurston County's regulated Special Flood Hazard Areas include those areas mapped as high groundwater hazard areas and floods of record. Analysis excludes federal lands, tribal reservations, and incorporated areas.

**CRITICAL FACILITIES VULNERABLE TO FLOODING
UNINCORPORATED THURSTON COUNTY**

	Total Facilities	Vulnerable to Flooding	
		100-Year Flood Plain	SFHAs
Medical Care Facilities			
Adult Family Home	58	0	0
Dentist	10	0	0
Primary Care	3	0	0
Government Facilities			
Fairgrounds	32	0	0
Fire Service	42	2	2
Government Services	7	0	0
Public Education	105	0	0
Public Higher Education	31	0	0
Public Works	12	0	0
Solid Waste	20	1	1
Transit	1	0	0
Utilities	112	3	4

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