

ATTACHMENT B

(PC-2018-10262)

Detailed GIS Analysis of Landslide Map Data Conducted by Multnomah County Asset Management, 2018

	Total Map Coverage (sq miles/acres)	% Coverage of Planning Jurisdiction	Total # Taxlots Affected (Full/Partial)	% of Total # Taxlots Affected	Total # Buildings Affected	% of Total # Buildings Affected
Existing County Landslide Maps						
Existing Slope Hazard	36	13.24%	366	4.95%	934	9.31%
	23224		2980 (includes full and partial)	40.26%		
DOGAMI Landslide Deposits Maps						
Deposits + Scarp Flanks	46	16.91%	983	13.28%	611	6.09%
	29567		2085	28.17%		
Deposits + Scarp Flanks (Pre-Historic)	22	8.09%	729	9.85%	505	5.03%
	14469		1496	20.21%		
Deposits + Scarp Flanks (Historic)	25	9.19%	198	2.68%	90	0.90%
	16431		877	11.85%		
DOGAMI Landslide Susceptibility Maps						
DOGAMI Shallow Landslide Susceptibility (Medium Risk Areas)	36	13.24%	770	10.40%	4389	43.75%
	27571		2723	36.79%		
DOGAMI Shallow Landslide Susceptibility (High Risk Areas)	43	15.81%	341	4.61%	1921	19.15%

	27554		1374	18.57%		
DOGAMI Shallow Landslide Susceptibility (Medium + High Risk Areas)	85		1023	13.82%	4394	
	55125	31.25%	4009	54.17%		43.80%
DOGAMI Deep Landslide Susceptibility (Medium Risk Areas)	34		679	9.17%		
	21849	12.50%	2632	35.56%	1342	13.38%
DOGAMI Deep Landslide Susceptibility (High Risk Areas)	24		253	3.42%		
	15424	8.82%	1286	17.38%	537	5.35%
DOGAMI Deep Landslide Susceptibility (Medium + High Risk Areas)	58		932	12.59%		
	37273	21.32%	3918	52.94%	1795	17.89%
DOGAMI Shallow + Deep Landslide Susceptibility (Medium + High Risk Areas)	93		3399	45.93%		
	59656	34.19%	5669	76.60%	4609	45.95%

Areas OUTSIDE of All Landslide Area (deposits, scarp flanks, shallow/deep suscep)- New DOGAMI data, does not include the existing slope hazard

	Total Area Outside All Landslide Maps Above	% of Unincorporated County Planning Jurisdiction outside Mapped Landslide Areas	Total # Tax Lots Fully Outside Mapped Landslide Areas	% of Total Tax Lots outside mapped landslide area	Total # of Buildings Not Covered	% of Total # Buildings not covered
acres	100206					
square mile	157	57.47%	1162	15.70%	5220	52.04%

All Landslide Area (deposits, scarp flanks, shallow/deep suscep)- New DOGAMI data, does not include the existing slope hazard

	Total Area Outside All Landslide Maps Above	% of unincorporated county planning jurisdiction within mapped landslide areas	Total # tax lots within mapped landslide areas	% taxlots within mapped landslide area	# Buildings covered	% of total # buildings covered
Acres	74153	42.53%	6239	84.30%	4811	47.96%
square mile	115					

	Total Map Coverage (sq miles/acres)	% Coverage of Planning Jurisdiction	Total # Taxlots Affected (Full/Partial)	% of Total # Taxlots Affected	Total # Buildings Affected	% of Total # Buildings Affected
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Existing County Landslide Maps

Existing Slope Hazard	36	13.24%	366	4.95%	934	9.31%
	23224		2980	40.26%		
Existing Slope Hazard Map + Lands With Average Slope of 25% or More Falling Outside Existing Slope Hazard Map Areas	108	39.71%	4065	54.93%	1272	12.68%
Slope 25% or more outside existing slope hazard map						
Area in Acres	45980					
Area in Square Miles	71.8					
Existing Slope Hazard Map + Lands With Average Slope of 25% or More Falling Outside Existing Slope Hazard Map Areas		Existing Slope hazard area	% increase from previous slope hazard coverage to new slope hazard coverage			
Area in Acres	69201	23224				
Area in Square Miles	108	36	200.00%			

From DOGAMI: The data are complete. However landslides that are smaller than 100 square meters (1,075 square feet) may not be identified due to the

<p><i>resolution of the lidar data and air photos used in this project area. Some landslide areas in the inventory may have been mitigated, thereby reducing their level of susceptibility. Because it is not feasible to collect detailed site-specific information on every landslide, potential mitigation has been ignored. Prediction or estimation of displacement or runout of deep landslides is not included</i></p>			
<p><i>*Excludes lands in Multnomah County not managed by county planning including cities and unincorporated urban lands managed by cities by intergovernmental agreement. **Building footprints obtained from Metro data. Building layer information collected in 2008 and does not show post-2008 development.</i></p>			