

Confusion Matrix

ground truth	Low Veg. (0) 12,391,991 / 19.8%	86.1%	5.4%	0.1% 7,008	2.2%	0.2% 18,707	0.7% 84,684	2.5%	1.4%	0.4% 51,730	1.1%	0.0% 16	86.1%
	Imp. Surface (1) 5,162,091 / 8.3%	2.8%	92.1%	0.5% 23,473	1.5% 75,124	0.3% 15,672	1.9% 99,448	0.1% 6,509	0.1% 4,071	0.2% 8,787	0.6% 29,558	0.0% 36	92.1%
	Vehicle (2) 504,891 / 0.8%	0.0% 39	0.3% 1,374	98.5%	0.7% 3,609	0.1% 403	0.3% 1,414	0.0% 230	0.1% 327	0.0% 50	0.0% 2	0.0% 4	98.5%
	Urban Furn. (3) 1,998,397 / 3.2%	1.1% 22,138	1.4% 28,001	2.8% 56,432	77.1%	1.5% 29,031	8.5%	6.3%	0.6% 11,764	0.1% 1,219	0.6% 12,227	0.1% 1,292	77.1%
	Roof (4) 4,063,415 / 6.5%	0.3% 11,787	0.3% 11,010	0.2% 8,793	0.6% 24,185	95.5%	2.0% 79,807	0.1% 2,615	0.5% 21,579	0.0% 1,774	0.0% 1,182	0.5% 20,939	95.5%
	Facade (5) 2,715,438 / 4.3%	0.1% 2,647	1.0% 27,515	0.2% 4,991	2.9% 79,179	1.3% 34,198	93.7%	0.3% 7,699	0.2% 4,327	0.0% 60	0.2% 6,711	0.2% 4,844	93.7%
	Shrub (6) 2,667,906 / 4.3%	2.8% 75,067	0.2% 6,060	0.4% 9,558	7.6%	0.4% 11,628	1.6% 42,178	78.1%	6.7%	0.0% 540	2.1% 55,974	0.1% 1,498	78.1%
	Tree (7) 26,501,534 / 42.4%	0.4%	0.0% 639	0.1% 28,482	0.3% 67,784	0.2% 61,449	0.3% 78,136	1.9%	96.4%	0.0% 898	0.3% 80,613	0.1% 16,683	96.4%
	Soil / Gravel (8) 4,183,278 / 6.7%	8.3%	5.5%	0.0% 1,537	0.7% 30,112	0.1% 5,305	0.0% 1,493	0.0% 1,665	0.0% 1,699	85.1%	0.1% 3,639	0.0% 33	85.1%
	Vertical (9) 2,220,653 / 3.6%	0.7% 15,599	0.7% 16,335	0.0% 381	0.9% 20,225	0.0% 782	2.9% 63,513	1.0% 22,188	0.7% 15,532	0.0% 520	93.0%	0.0% 4	93.0%
	Chimney (10) 33,758 / 0.1%	0.0% 0	0.0% 0	0.0% 7	0.0% 15	1.7% 584	0.5% 182	0.0% 6	0.1% 18	0.0% 0	0.0% 0	97.6% 32,946	97.6% 32,946
precision	93.7%	82.7%	78.0%	66.5%	95.6%	80.4%	68.0%	98.4%	98.2%	86.2%	42.1% 32,946	91.6%	
F1 $\mu=84.3\%$	89.7%	87.1%	87.0%	71.4%	95.5%	86.5%	72.7%	97.4%	91.2%	89.5%	58.8%		
	Low Veg. (0) 11,389,162 / 18.2%	Imp. Surface (1) 5,747,350 / 9.2%	Vehicle (2) 638,011 / 1.0%	Urban Furn. (3) 2,314,704 / 3.7%	Roof (4) 4,057,503 / 6.5%	Facade (5) 3,164,324 / 5.1%	Shrub (6) 3,066,108 / 4.9%	Tree (7) 23,963,729 / 41.6%	Soil / Gravel (8) 3,626,791 / 5.8%	Vertical (9) 2,397,287 / 3.8%	Chimney (10) 78,295 / 0.1%	recall	
	11,389,162 / 18.2%	5,747,350 / 9.2%	638,011 / 1.0%	2,314,704 / 3.7%	4,057,503 / 6.5%	3,164,324 / 5.1%	3,066,108 / 4.9%	23,963,729 / 41.6%	3,626,791 / 5.8%	2,397,287 / 3.8%	78,295 / 0.1%		
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