

# Confusion Matrix

ground truth	Low Veg. (0) 9,006,269 / 15.8%	Imp. Surface (1) 4,831,093 / 8.4%	Vehicle (2) 297,779 / 0.5%	Urban Furn. (3) 1,241,897 / 2.2%	Roof (4) 3,281,655 / 5.7%	Facade (5) 1,867,847 / 3.3%	Shrub (6) 984,193 / 1.7%	Tree (7) 7,785,482 / 13.6%	Soil / Gravel (8) 3,722,105 / 6.5%	Vertical (9) 1,646,495 / 2.9%	Chimney (10) 27,288 / 0.0%	Ignore* (11) 22,485,989 / 39.3%	precision	F1 $\mu=86.6\%$
	89.1%	3.5%	0.0% 740	1.2%	0.0% 1,003	0.3% 29,965	2.1%	0.1% 10,769	1.9%	1.6%	0.0% 0	0.0% 0	89.1%	
	3.9%	91.7%	0.1% 6,316	0.8% 39,676	0.1% 5,776	1.2% 58,020	0.1% 5,397	0.0% 212	0.5% 22,805	1.6% 76,909	0.0% 27	0.0% 0	91.7%	
	0.1% 410	0.8% 2,513	81.4%	16.8% 49,933	0.3% 763	0.1% 262	0.1% 327	0.0% 17	0.4% 1,155	0.0% 91	0.0% 0	0.0% 0	81.4%	
	1.9% 23,064	1.5% 18,121	0.1% 919	76.7%	1.3% 15,785	6.4% 79,700	9.1%	0.7% 8,578	0.0% 268	2.4% 29,444	0.0% 354	0.0% 0	76.7%	
	0.2% 7,532	0.8% 26,881	0.0% 97	0.8% 26,035	94.4%	2.4% 79,558	0.1% 3,954	0.2% 6,912	0.0% 437	0.7% 23,764	0.3% 8,837	0.0% 0	94.4%	
	0.1% 2,537	1.0% 18,689	0.0% 0	2.0% 36,839	1.6% 29,200	93.8%	0.5% 8,531	0.2% 3,479	0.0% 114	0.8% 15,829	0.1% 1,084	0.0% 0	93.8%	
	3.0% 29,927	0.4% 3,917	0.0% 0	3.3% 32,166	0.2% 2,100	1.7% 16,493	81.1%	4.7% 46,343	0.0% 250	5.6% 54,930	0.0% 5	0.0% 0	81.1%	
	0.3% 19,938	0.0% 715	0.0% 64	0.2% 18,791	0.1% 6,825	0.2% 18,248	4.0%	93.7%	0.1% 9,657	1.3%	0.0% 3,430	0.0% 0	93.7%	
	5.8%	0.9% 31,999	0.1% 4,002	0.3% 10,329	0.0% 0	0.0% 392	0.1% 5,475	0.0% 74	92.8%	0.0% 222	0.0% 0	0.0% 0	92.8%	
	0.9% 15,460	0.6% 10,546	0.0% 24	0.2% 2,503	0.0% 138	0.7% 11,949	0.4% 5,887	0.2% 3,261	0.0% 73	97.0%	0.0% 0	0.0% 0	97.0%	
	0.0% 0	0.0% 0	0.0% 0	0.0% 13	1.4% 390	0.1% 24	0.0% 6	0.0% 9	0.0% 0	0.0% 1	98.4% 26,845	0.0% 0	98.4% 26,845	
	7.9%	6.9%	0.3% 64,915	6.9%	6.0%	12.0%	3.3%	50.3%	4.3%	2.1%	0.0% 6,802	0.0% 0	0.0% 0	
	94.1%	91.2%	95.2%	74.5%	98.0%	85.6%	55.2%	98.9%	94.3%	78.1%	66.2% 26,845	nan% 0	91.3%	
	91.6%	91.4%	87.8%	75.6%	96.2%	89.5%	65.7%	96.2%	93.6%	86.5%	79.1%	nan%		
	8,529,037 / 14.9%	Imp Surface (1) 4,858,941 / 8.5%	Vehicle (2) 254,470 / 0.4%	Urban Furn. (3) 1,278,707 / 2.2%	Roof (4) 3,159,628 / 5.5%	Facade (5) 2,046,156 / 3.6%	Shrub (6) 1,446,859 / 2.5%	Tree (7) 7,370,823 / 12.9%	Soil / Gravel (8) 3,662,835 / 6.4%	Vertical (9) 2,044,045 / 3.6%	Chimney (10) 40,582 / 0.1%	Ignore (11) 0 / 0.0%	recall	

prediction