

Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	88.3%	1.8% 16,201	0.0% 18	0.6% 5,180	0.0% 208	0.3% 2,757	5.0% 45,615	0.4% 3,272	3.6% 32,422	0.1% 930	0.0% 0	0.0% 0	88.3%
Imp. Surface (1) 833,152 / 10.3%	10.1% 84,150	80.8%	0.4% 3,103	1.8% 14,829	2.0% 16,683	1.7% 14,454	1.5% 12,481	0.2% 1,534	0.3% 2,205	1.3% 10,480	0.0% 0	0.0% 0	80.8%
Vehicle (2) 96,805 / 1.2%	0.0% 45	6.8% 6,548	79.6% 77,074	5.4% 5,246	3.8% 3,635	2.7% 2,615	0.4% 378	0.4% 376	0.8% 790	0.1% 98	0.0% 0	0.0% 0	79.6% 77,074
Urban Furn. (3) 269,114 / 3.3%	2.5% 6,814	1.7% 4,579	4.7% 12,566	58.3%	3.1% 8,281	5.3% 14,240	13.1% 35,358	4.8% 12,800	0.0% 35	6.3% 17,066	0.2% 437	0.0% 0	58.3%
Roof (4) 877,491 / 10.8%	0.7% 6,150	2.1% 18,303	0.2% 1,706	0.9% 7,485	91.0%	2.5% 21,861	0.4% 3,392	0.3% 2,418	1.7% 15,100	0.0% 393	0.3% 2,568	0.0% 0	91.0%
Facade (5) 500,496 / 6.2%	0.5% 2,737	1.1% 5,285	0.3% 1,317	4.2% 20,971	2.7% 13,447	85.8%	2.0% 10,017	0.2% 1,179	0.0% 92	3.2% 15,898	0.0% 14	0.0% 0	85.8%
Shrub (6) 182,138 / 2.2%	1.7% 3,028	0.2% 427	0.0% 13	2.7% 4,921	0.3% 557	1.0% 1,766	68.4%	24.5% 44,681	0.0% 7	1.2% 2,131	0.0% 0	0.0% 0	68.4%
Tree (7) 1,067,117 / 13.2%	0.4% 3,877	0.0% 24	0.0% 432	0.2% 2,099	0.1% 1,443	0.0% 207	3.1% 33,008	96.1%	0.0% 55	0.1% 786	0.0% 0	0.0% 0	96.1%
Soil / Gravel (8) 131,351 / 1.6%	46.6% 61,251	12.3% 16,105	0.0% 11	0.8% 1,048	0.0% 12	0.1% 92	0.7% 972	0.0% 49	39.4% 51,811	0.0% 0	0.0% 0	0.0% 0	39.4% 51,811
Vertical (9) 103,576 / 1.3%	0.5% 483	1.1% 1,115	1.8% 1,848	5.9% 6,147	0.1% 150	11.5% 11,905	1.2% 1,245	0.7% 707	0.0% 2	77.2% 79,974	0.0% 0	0.0% 0	77.2% 79,974
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	5.9% 527	4.6% 416	0.2% 19	0.1% 5	1.1% 97	0.1% 6	0.0% 0	88.1% 7,902	0.0% 0	88.1% 7,902
Ignore* (11) 3,126,807 / 38.6%	5.2% 32,939	1.1% 50,775	1.6% 92,751	3.0% 92,751	10.6%	9.1%	1.7% 53,621	52.2%	13.6%	1.9% 58,474	0.0% 748	0.0% 0	0.0% 0
precision	82.7%	90.8%	78.6% 77,074	69.6%	94.7%	86.0%	46.7%	93.9%	50.5% 51,811	62.6% 79,974	72.4% 7,902	nan% 0	84.9%
F1 $\mu=76.0\%$	85.4%	85.5%	79.1%	63.5%	92.8%	85.9%	55.5%	95.0%	44.3%	69.1%	79.4%	nan%	

prediction