

# Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	87.8%	1.9% 17,401	0.0% 126	2.8% 25,922	0.0% 219	0.2% 1,935	2.3% 21,274	0.2% 2,183	4.4% 40,054	0.2% 1,876	0.0% 0	0.0% 0	87.8%
Imp. Surface (1) 833,152 / 10.3%	8.9% 73,835	83.7%	0.4% 3,709	3.0% 24,756	0.5% 3,917	1.2% 10,283	0.2% 1,677	0.0% 36	0.5% 3,992	1.6% 13,745	0.0% 52	0.0% 0	83.7%
Vehicle (2) 96,805 / 1.2%	0.1% 82	8.2% 7,964	70.1% 67,838	11.7% 11,300	4.9% 4,735	2.7% 2,628	0.0% 17	0.0% 21	1.0% 1,012	1.2% 1,208	0.0% 0	0.0% 0	70.1% 67,838
Urban Furn. (3) 269,114 / 3.3%	2.2% 5,832	1.5% 4,047	7.3% 19,702	65.4% 62,471	3.0% 2,941	5.6% 15,173	4.6% 12,471	4.3% 11,506	0.1% 239	6.0% 16,142	0.1% 146	0.0% 0	65.4%
Roof (4) 877,491 / 10.8%	1.0% 8,972	4.9% 43,403	0.2% 1,802	1.7% 14,691	89.9% 86,931	1.6% 14,433	0.1% 496	0.2% 1,541	0.0% 68	0.0% 346	0.4% 3,268	0.0% 0	89.9%
Facade (5) 500,496 / 6.2%	0.5% 2,686	1.5% 7,506	0.3% 1,722	10.2% 50,869	3.8% 18,931	79.2% 76,117	0.7% 3,309	0.1% 716	0.0% 124	3.5% 17,638	0.1% 640	0.0% 0	79.2%
Shrub (6) 182,138 / 2.2%	2.6% 4,745	0.3% 619	0.0% 31	14.0% 25,530	0.2% 350	1.1% 2,061	57.5% 39,551	21.7% 197	0.1% 4230	2.3% 42	0.0% 0	0.0% 0	57.5%
Tree (7) 1,067,117 / 13.2%	0.3% 3,539	0.0% 10	0.0% 172	1.3% 14,122	0.3% 3,161	0.2% 2,030	3.4% 36,117	94.0% 188	0.0% 1,549	0.1% 2,694	0.3% 0	0.0% 0	94.0%
Soil / Gravel (8) 131,351 / 1.6%	36.4% 47,826	13.3% 17,448	0.0% 0	1.1% 1,457	0.2% 218	0.0% 21	0.2% 248	0.0% 19	48.8% 64,108	0.0% 6	0.0% 0	0.0% 0	48.8% 64,108
Vertical (9) 103,576 / 1.3%	0.1% 95	3.9% 4,041	2.4% 2,449	5.1% 5,242	0.5% 563	12.3% 12,757	0.3% 310	0.2% 183	0.1% 66	75.2% 77,853	0.0% 17	0.0% 0	75.2% 77,853
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.1% 10	5.5% 492	5.8% 518	0.5% 45	0.6% 50	0.0% 3	0.0% 0	0.0% 0	87.5% 7,854	0.0% 0	87.5% 7,854
Ignore* (11) 3,126,807 / 38.6%	1.9% 57,905	1.5% 47,925	1.5% 45,395	4.6% 45,395	14.2% 14,200	14.6% 14,600	1.0% 30,033	32.1% 32,100	15.8% 15,800	12.7% 12,700	0.1% 3,656	0.0% 0	0.0% 0
precision	84.4%	87.2%	69.5% 67,838	50.2%	95.1%	86.6%	58.0%	94.7%	58.3% 64,108	57.8% 77,853	53.4% 7,854	nan%	84.0%
F1 $\mu=73.7\%$	86.1%	85.4%	69.8%	56.8%	92.4%	82.7%	57.7%	94.4%	53.1%	65.4%	66.3%	nan%	

prediction