

# Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	83.7%	3.8% 34,573	0.0% 3	1.4% 12,336	0.1% 894	0.5% 4,135	4.2% 38,668	0.7% 6,642	5.3% 48,634	0.3% 2,715	0.0% 0	0.0% 0	83.7%
Imp. Surface (1) 833,152 / 10.3%	6.7% 55,549	83.1%	0.4% 3,600	2.1% 17,110	2.6% 21,369	2.5% 20,835	0.3% 2,279	0.0% 217	0.5% 4,571	1.8% 15,378	0.0% 0	0.0% 0	83.1%
Vehicle (2) 96,805 / 1.2%	0.0% 5	8.1% 7,877	73.3% 70,926	7.7% 7,415	6.8% 6,629	3.6% 3,489	0.0% 30	0.1% 65	0.0% 43	0.3% 326	0.0% 0	0.0% 0	73.3% 70,926
Urban Furn. (3) 269,114 / 3.3%	2.2% 5,829	1.5% 3,975	5.3% 14,155	57.4% 54,744	5.8% 15,584	10.9% 29,254	7.5% 20,196	5.2% 14,038	0.0% 54	4.2% 11,311	0.1% 345	0.0% 0	57.4%
Roof (4) 877,491 / 10.8%	0.3% 3,062	1.0% 8,881	0.1% 689	1.0% 8,385	94.6% 94,689	2.3% 20,019	0.1% 681	0.2% 1,636	0.2% 1,729	0.0% 256	0.3% 2,296	0.0% 0	94.6%
Facade (5) 500,496 / 6.2%	0.2% 928	1.1% 5,581	0.1% 667	2.6% 13,154	5.0% 25,097	88.3% 88,311	0.3% 1,516	0.1% 337	0.0% 11	2.1% 10,678	0.1% 459	0.0% 0	88.3%
Shrub (6) 182,138 / 2.2%	1.9% 3,385	0.4% 769	0.0% 17	4.7% 8,613	1.0% 1,790	2.2% 4,096	62.8% 62,811	24.0% 43,719	0.0% 17	3.0% 5,426	0.0% 0	0.0% 0	62.8%
Tree (7) 1,067,117 / 13.2%	0.2% 2,412	0.0% 39	0.0% 178	0.4% 4,113	0.7% 7,121	0.1% 1,349	2.4% 25,672	95.8% 95,811	0.0% 173	0.3% 3,194	0.0% 397	0.0% 0	95.8%
Soil / Gravel (8) 131,351 / 1.6%	32.3% 42,408	16.8% 22,018	0.0% 31	0.6% 836	0.0% 14	0.2% 264	0.4% 550	0.1% 148	49.5% 65,042	0.0% 45	0.0% 0	0.0% 0	49.5% 65,042
Vertical (9) 103,576 / 1.3%	0.0% 11	3.1% 3,202	6.0% 6,255	0.6% 665	1.1% 1,169	8.0% 8,262	0.1% 52	0.1% 99	0.0% 3	81.0% 83,857	0.0% 1	0.0% 0	81.0% 83,857
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	6.4% 573	3.7% 331	0.5% 41	0.2% 15	0.0% 1	0.0% 0	0.0% 0	89.3% 8,011	0.0% 0	89.3% 8,011
Ignore* (11) 3,126,807 / 38.6%	7.2% 48,641	1.6% 48,641	1.5% 47,766	6.4% 47,766	17.8% 47,766	13.4% 47,766	1.6% 50,233	45.8% 45,811	3.4% 41,027	1.3% 1,404	0.0% 0	0.0% 0	0.0% 0
precision	87.0%	88.8%	73.5% 70,926	67.8%	91.2%	82.8%	56.0%	93.9%	54.1% 65,042	63.0% 83,857	69.6% 8,011	nan%	85.2%
F1 $\mu=76.4\%$	85.3%	85.9%	73.4%	62.2%	92.9%	85.5%	59.2%	94.8%	51.7%	70.8%	78.2%	nan%	

prediction