

# Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	86.6%	5.9% 54,039	0.0% 84	2.1% 19,470	0.0% 252	0.5% 4,277	3.4% 30,754	0.2% 2,116	0.2% 1,758	1.0% 9,336	0.0% 0	0.0% 0	86.6%
Imp. Surface (1) 833,163 / 10.3%	8.4% 69,992	82.0%	0.1% 1,028	4.7% 39,314	0.7% 5,784	1.9% 15,941	0.5% 4,045	0.4% 2,936	0.1% 773	1.2% 10,401	0.0% 0	0.0% 0	82.0%
Vehicle (2) 96,807 / 1.2%	0.7% 680	17.6% 7,129	7.7% 7,414	54.3% 52,523	3.7% 3,629	12.3% 11,914	3.3% 3,169	0.1% 127	0.0% 4	0.3% 307	0.0% 11	0.0% 0	7.7% 7,414
Urban Furn. (3) 269,121 / 3.3%	1.5% 4,157	2.9% 7,807	0.1% 181	57.0% 57,000	3.4% 9,187	20.6% 55,551	7.2% 19,365	4.8% 12,975	0.0% 9	2.4% 6,388	0.0% 25	0.0% 0	57.0%
Roof (4) 877,490 / 10.8%	1.1% 9,954	3.6% 31,189	0.0% 310	3.1% 27,195	83.7% 83,700	2.9% 25,443	0.7% 6,221	4.0% 35,505	0.4% 3,923	0.1% 1,164	0.2% 2,042	0.0% 0	83.7%
Facade (5) 500,492 / 6.2%	0.5% 2,456	1.4% 7,235	0.0% 9	5.7% 28,303	0.9% 4,313	86.1% 86,100	0.6% 2,937	1.8% 9,256	0.0% 2	3.1% 15,269	0.0% 28	0.0% 0	86.1%
Shrub (6) 182,133 / 2.2%	2.9% 5,246	0.8% 1,379	0.0% 0	8.2% 14,954	0.3% 585	2.9% 5,309	61.3% 61,300	15.4% 28,129	0.0% 0	8.1% 14,809	0.0% 0	0.0% 0	61.3%
Tree (7) 1,067,121 / 13.2%	0.7% 7,986	0.0% 129	0.0% 2	0.6% 6,227	0.1% 869	0.8% 8,457	9.4% 9,400	87.0% 87,000	0.0% 0	1.4% 14,592	0.0% 14	0.0% 0	87.0%
Soil / Gravel (8) 131,349 / 1.6%	68.8% 90,418	22.3% 29,260	0.0% 0	0.5% 653	0.0% 1	0.3% 329	0.6% 769	0.1% 138	7.2% 9,495	0.2% 286	0.0% 0	0.0% 0	7.2% 9,495
Vertical (9) 103,575 / 1.3%	0.3% 300	5.3% 5,520	0.0% 4	7.4% 7,690	0.4% 378	54.0% 55,901	0.2% 231	1.4% 1,440	0.0% 0	31.0% 32,111	0.0% 0	0.0% 0	31.0% 32,111
Chimney (10) 8,971 / 0.1%	0.1% 8	0.1% 7	0.0% 0	6.5% 583	7.1% 636	5.2% 468	0.2% 18	0.5% 45	0.0% 0	0.0% 2	80.3% 7,204	0.0% 0	80.3% 7,204
Ignore* (11) 3,126,819 / 38.6%	18.7% 78,637	2.5% 1,985	0.1% 1,985	4.7% 5,680	3.6% 4,320	14.0% 17,160	11.0% 13,200	41.1% 50,520	0.1% 4,013	4.2% 5,044	0.0% 1,367	0.0% 0	0.0% 0
precision	80.5%	81.6%	82.1% 7,414	43.8%	96.6%	70.1%	40.0%	90.9%	59.5% 9,495	30.7% 32,111	77.3% 7,204	nan%	78.0%
F1 $\mu=59.6\%$	83.4%	81.8%	14.0%	49.5%	89.7%	77.3%	48.4%	88.9%	12.9%	30.8%	78.8%	nan%	

prediction