

Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	87.0%	6.2% 56,425	0.1% 1,129	1.5% 13,394	0.2% 2,217	0.3% 2,863	3.6% 33,184	0.3% 3,020	0.5% 4,882	0.1% 1,358	0.0% 7	0.0% 0	87.0%
Imp. Surface (1) 833,163 / 10.3%	8.7% 72,102	83.8%	1.4% 11,761	2.8% 23,122	0.8% 6,358	0.8% 6,993	0.6% 4,643	0.3% 2,221	0.2% 1,689	0.7% 5,899	0.0% 0	0.0% 0	83.8%
Vehicle (2) 96,807 / 1.2%	0.6% 613	15.1% 14,639	54.2% 52,489	17.0% 16,456	4.7% 4,515	2.2% 2,101	0.6% 542	5.3% 5,144	0.0% 48	0.2% 230	0.0% 30	0.0% 0	54.2% 52,489
Urban Furn. (3) 269,121 / 3.3%	2.4% 6,517	3.7% 9,969	7.2% 19,327	48.0% 46,013	5.8% 15,613	6.0% 16,206	8.9% 24,060	17.0% 45,762	0.0% 80	0.8% 2,110	0.1% 230	0.0% 0	48.0%
Roof (4) 877,490 / 10.8%	0.6% 5,012	3.8% 33,406	0.1% 1,027	2.3% 19,887	89.8% 88,813	1.5% 13,129	0.1% 1,147	1.0% 8,532	0.3% 2,854	0.1% 668	0.4% 3,737	0.0% 0	89.8%
Facade (5) 500,492 / 6.2%	0.7% 3,682	1.6% 7,998	0.4% 2,201	8.8% 44,074	3.3% 16,314	79.6% 78,613	0.9% 4,321	2.0% 10,131	0.1% 253	2.5% 12,759	0.1% 411	0.0% 0	79.6%
Shrub (6) 182,133 / 2.2%	2.6% 4,779	1.0% 1,746	1.2% 2,223	5.4% 9,877	0.5% 850	1.2% 2,160	57.3% 57,304	29.5% 53,804	0.0% 4	1.2% 2,260	0.0% 7	0.0% 0	57.3%
Tree (7) 1,067,121 / 13.2%	0.7% 7,025	0.0% 52	0.0% 375	0.4% 3,843	0.3% 3,416	0.1% 1,174	4.9% 52,530	93.5% 93,530	0.0% 14	0.0% 133	0.1% 587	0.0% 0	93.5%
Soil / Gravel (8) 131,349 / 1.6%	65.7% 86,268	24.2% 31,771	0.0% 9	0.6% 755	0.0% 4	0.0% 41	0.6% 769	0.2% 218	8.7% 11,485	0.0% 29	0.0% 0	0.0% 0	8.7% 11,485
Vertical (9) 103,575 / 1.3%	1.3% 1,348	3.9% 4,050	2.2% 2,283	4.6% 4,737	0.6% 599	23.1% 23,892	1.2% 1,213	8.0% 8,308	0.1% 81	55.1% 57,043	0.0% 21	0.0% 0	55.1% 57,043
Chimney (10) 8,971 / 0.1%	0.0% 1	0.0% 0	0.0% 0	0.6% 52	3.0% 273	2.9% 262	0.1% 5	0.6% 52	0.0% 1	0.0% 0	92.8% 8,325	0.0% 0	92.8% 8,325
Ignore* (11) 3,126,819 / 38.6%	19.2% 72,489	2.3% 31,355	1.0% 31,355	3.4% 4,515	5.2% 6,358	10.1% 10,131	9.5% 9,969	46.9% 46,013	0.2% 6,993	2.1% 20,131	0.1% 3,557	0.0% 0	0.0% 0
precision	80.9%	81.4%	56.5% 52,489	48.7%	94.0%	85.3%	46.0%	87.9%	53.7% 11,485	69.2% 57,043	62.3% 8,325	nan% 0	81.1%
F1 $\mu=67.0\%$	83.8%	82.6%	55.4%	48.4%	91.9%	82.3%	51.1%	90.6%	15.0%	61.3%	74.6%	nan%	

prediction