

# Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	87.6%	1.3% 11,436	0.0% 8	0.7% 6,391	0.1% 652	0.2% 2,036	4.0% 36,114	0.1% 1,226	5.9% 53,475	0.1% 1,201	0.0% 0	0.0% 0	87.6%
Imp. Surface (1) 833,152 / 10.3%	11.3% 94,488	80.5%	0.4% 3,560	2.0% 16,448	0.7% 5,919	1.3% 11,182	0.4% 3,061	0.0% 46	1.3% 10,660	2.0% 17,068	0.0% 53	0.0% 0	80.5%
Vehicle (2) 96,805 / 1.2%	0.3% 314	8.3% 8,016	76.7% 74,283	8.0% 7,738	3.6% 3,497	1.5% 1,410	0.2% 154	0.0% 2	1.2% 1,171	0.2% 220	0.0% 0	0.0% 0	76.7% 74,283
Urban Furn. (3) 269,114 / 3.3%	3.4% 9,134	2.7% 7,188	5.1% 13,715	64.9% 7,738	0.9% 2,517	4.5% 12,187	11.8% 31,885	1.7% 4,671	0.0% 54	4.8% 12,931	0.0% 78	0.0% 0	64.9%
Roof (4) 877,491 / 10.8%	1.9% 16,398	1.9% 16,885	0.6% 5,415	2.0% 17,969	88.5% 7,869	2.4% 20,859	0.2% 2,008	0.1% 781	1.9% 16,258	0.1% 953	0.4% 3,254	0.0% 0	88.5%
Facade (5) 500,496 / 6.2%	0.9% 4,285	1.4% 6,776	0.4% 1,757	8.0% 39,836	1.6% 7,869	81.8% 7,869	1.2% 6,031	0.1% 618	0.0% 37	4.8% 23,813	0.3% 32	0.0% 0	81.8%
Shrub (6) 182,138 / 2.2%	3.1% 5,626	0.2% 437	0.0% 29	5.2% 9,431	0.1% 97	1.0% 1,848	74.8% 25,485	14.0% 5	0.0% 5	1.6% 2,851	0.0% 2	0.0% 0	74.8%
Tree (7) 1,067,117 / 13.2%	0.5% 5,128	0.0% 5	0.1% 574	0.5% 5,201	0.0% 208	0.1% 1,134	6.0% 63,889	92.8% 36	0.0% 36	0.1% 1,056	0.0% 0	0.0% 0	92.8%
Soil / Gravel (8) 131,351 / 1.6%	33.9% 44,538	9.1% 11,973	0.0% 0	0.7% 878	0.0% 0	0.0% 0	0.7% 876	0.0% 7	55.6% 73,057	0.0% 22	0.0% 0	0.0% 0	55.6% 73,057
Vertical (9) 103,576 / 1.3%	0.7% 741	1.8% 1,838	1.9% 1,945	6.0% 6,253	0.0% 0	5.0% 5,185	0.5% 492	0.0% 12	0.0% 0	84.1% 87,110	0.0% 0	0.0% 0	84.1% 87,110
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	5.2% 470	2.5% 223	1.8% 162	0.6% 56	1.2% 108	0.0% 0	0.0% 0	88.6% 7,953	0.0% 0	88.6% 7,953
Ignore* (11) 3,126,807 / 38.6%	9.9% 30,939	1.0% 30,939	1.5% 46,009	14.1% 46,009	3.5% 46,009	19.8% 46,009	12.4% 46,009	33.4% 46,009	0.6% 20,109	3.7% 2,427	0.1% 2,427	0.0% 0	0.0% 0
precision	81.5%	91.2%	73.3% 74,283	61.2%	97.4%	88.0%	48.5%	96.8%	47.2% 73,057	59.2% 87,110	69.9% 7,953	nan% 0	84.3%
F1 $\mu=76.2\%$	84.5%	85.5%	75.0%	63.0%	92.7%	84.8%	58.9%	94.7%	51.1%	69.5%	78.2%	nan%	

prediction