

# Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	92.7%	1.8% 16,525	0.0% 0	0.6% 5,193	0.2% 2,121	0.3% 3,068	2.4% 21,992	0.1% 1,093	1.7% 15,301	0.1% 1,337	0.0% 0	0.0% 0	92.7%
Imp. Surface (1) 833,152 / 10.3%	10.1% 84,054	80.9%	0.3% 2,643	1.7% 13,882	3.2% 26,460	1.9% 15,914	0.3% 2,391	0.1% 480	0.0% 253	1.6% 12,984	0.0% 0	0.0% 0	80.9%
Vehicle (2) 96,805 / 1.2%	0.2% 178	8.7% 8,446	72.5% 70,177	8.3% 7,992	5.3% 5,090	3.8% 3,646	0.1% 58	0.5% 481	0.4% 419	0.3% 318	0.0% 0	0.0% 0	72.5% 70,177
Urban Furn. (3) 269,114 / 3.3%	3.4% 9,216	2.0% 5,284	5.7% 15,248	61.4% 8,473	3.1% 8,473	6.2% 16,675	7.6% 20,581	6.7% 17,956	0.0% 0	3.8% 10,177	0.1% 192	0.0% 0	61.4%
Roof (4) 877,491 / 10.8%	1.0% 9,096	3.9% 34,469	0.2% 1,487	0.9% 7,762	90.4%	2.1% 18,183	0.2% 1,391	0.3% 2,401	0.5% 4,313	0.0% 264	0.6% 5,229	0.0% 0	90.4%
Facade (5) 500,496 / 6.2%	0.7% 3,469	0.8% 3,808	0.1% 291	3.6% 18,021	3.8% 18,938	87.3%	0.7% 3,633	0.3% 1,426	0.0% 0	2.7% 13,542	0.1% 294	0.0% 0	87.3%
Shrub (6) 182,138 / 2.2%	3.8% 6,937	0.4% 763	0.0% 37	2.2% 4,076	0.4% 659	1.2% 2,120	68.2% 36,988	20.3% 36,988	0.0% 5	3.5% 6,318	0.0% 13	0.0% 0	68.2%
Tree (7) 1,067,117 / 13.2%	1.1% 11,692	0.0% 17	0.0% 1	0.2% 2,471	0.2% 1,929	0.0% 203	4.0% 42,751	94.3%	0.0% 8	0.1% 1,323	0.0% 0	0.0% 0	94.3%
Soil / Gravel (8) 131,351 / 1.6%	70.6% 92,681	15.0% 19,638	0.0% 0	0.5% 592	0.1% 187	0.0% 23	0.5% 649	0.0% 3	13.4% 17,571	0.0% 7	0.0% 0	0.0% 0	13.4% 17,571
Vertical (9) 103,576 / 1.3%	0.3% 272	2.7% 2,787	4.5% 4,698	3.6% 3,704	0.6% 635	7.3% 7,590	0.5% 489	0.8% 844	0.0% 0	79.7% 82,557	0.0% 0	0.0% 0	79.7% 82,557
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	5.7% 515	3.6% 327	0.4% 33	0.2% 16	0.0% 2	0.0% 0	0.0% 0	90.0% 8,079	0.0% 0	90.0% 8,079
Ignore* (11) 3,126,807 / 38.6%	11.0% 24,503	0.8% 44,749	1.4% 62,858	2.0% 62,858	25.4%	8.1% 54,063	1.7% 54,063	47.6%	0.2% 6,061	1.8% 55,511	0.0% 1,263	0.0% 0	0.0% 0
precision	79.5%	88.0%	74.2% 70,177	72.0%	92.4%	86.6%	56.9%	94.2%	46.4% 17,571	64.1% 82,557	58.5% 8,079	nan% 0	84.8%
F1 $\mu=73.4\%$	85.6%	84.3%	73.3%	66.3%	91.4%	87.0%	62.1%	94.3%	20.8%	71.0%	70.9%	nan%	

prediction