

# Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	87.5%	3.3% 30,453	0.0% 10	1.0% 9,265	0.1% 1,226	0.3% 2,816	2.5% 22,381	0.3% 2,314	4.8% 43,411	0.3% 2,338	0.0% 1	0.0% 0	87.5%
Imp. Surface (1) 833,152 / 10.3%	6.4% 53,310	88.2%	0.2% 1,494	1.3% 10,945	0.9% 7,885	1.6% 13,712	0.1% 1,108	0.0% 357	0.1% 1,077	1.0% 8,069	0.0% 0	0.0% 0	88.2%
Vehicle (2) 96,805 / 1.2%	0.0% 45	14.0% 13,588	67.5% 65,379	10.3% 9,970	3.8% 3,722	3.4% 3,246	0.0% 1	0.0% 20	0.6% 587	0.3% 247	0.0% 0	0.0% 0	67.5% 65,379
Urban Furn. (3) 269,114 / 3.3%	2.3% 6,324	5.1% 13,667	3.9% 10,501	61.2% 4,650	1.7% 4,650	9.3% 25,000	4.9% 13,093	2.5% 6,753	0.0% 34	8.9% 24,009	0.1% 383	0.0% 0	61.2%
Roof (4) 877,491 / 10.8%	0.7% 6,469	5.1% 44,961	0.4% 3,075	0.9% 7,795	87.6% 6,795	3.0% 26,024	0.1% 1,272	0.2% 1,324	1.5% 12,882	0.0% 110	0.5% 4,739	0.0% 0	87.6%
Facade (5) 500,496 / 6.2%	0.3% 1,272	1.7% 8,275	0.4% 1,812	2.9% 14,567	2.5% 12,276	90.0% 642	0.1% 642	0.2% 765	0.1% 531	2.0% 9,937	0.0% 179	0.0% 0	90.0%
Shrub (6) 182,138 / 2.2%	3.2% 5,895	0.7% 1,287	0.1% 185	6.7% 12,114	0.3% 487	2.5% 4,561	73.5% 17,263	9.5% 17,263	0.0% 23	3.5% 6,447	0.0% 39	0.0% 0	73.5%
Tree (7) 1,067,117 / 13.2%	0.8% 8,219	0.0% 74	0.2% 2,048	0.9% 9,481	0.2% 1,900	0.4% 3,769	5.4% 57,321	92.1% 100	0.0% 100	0.1% 1,433	0.0% 424	0.0% 0	92.1%
Soil / Gravel (8) 131,351 / 1.6%	34.3% 45,046	16.3% 21,465	0.1% 134	0.3% 406	0.0% 0	0.1% 154	0.3% 393	0.0% 0	48.5% 63,745	0.0% 8	0.0% 0	0.0% 0	48.5% 63,745
Vertical (9) 103,576 / 1.3%	0.2% 212	6.3% 6,498	2.8% 2,894	4.9% 5,027	0.1% 134	19.4% 20,135	0.0% 7	0.1% 130	0.0% 0	66.2% 68,539	0.0% 0	0.0% 0	66.2% 68,539
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	5.9% 530	2.8% 255	0.1% 6	0.0% 4	0.0% 0	0.3% 26	0.0% 0	90.8% 8,151	0.0% 0	90.8% 8,151
Ignore* (11) 3,126,807 / 38.6%	5.6% 0	4.9% 0	1.2% 37,475	2.4% 76,495	6.2% 0	8.1% 0	2.3% 72,970	66.2% 0	0.9% 27,330	2.2% 67,943	0.0% 1,266	0.0% 0	0.0% 0
precision	86.3%	84.0%	74.7% 65,379	67.3%	95.9%	81.9%	58.2%	97.1%	52.1% 63,745	56.6% 68,539	58.6% 8,151	nan% 0	85.1%
F1 $\mu=75.2\%$	86.9%	86.1%	70.9%	64.1%	91.6%	85.7%	64.9%	94.5%	50.2%	61.0%	71.2%	nan%	

prediction