

# Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	87.7%	3.1% 28,096	0.0% 11	0.8% 7,693	0.2% 1,577	0.7% 6,406	3.0% 27,359	0.2% 1,639	2.0% 18,521	2.3% 20,970	0.0% 0	0.0% 0	87.7%
Imp. Surface (1) 833,163 / 10.3%	12.0%	77.6%	0.2% 1,669	2.4% 20,346	0.7% 6,020	2.4% 20,300	0.6% 4,994	0.3% 2,270	0.4% 3,055	3.3% 27,462	0.0% 1	0.0% 0	77.6%
Vehicle (2) 96,807 / 1.2%	1.2% 1,176	20.8% 20,134	13.0% 12,598	43.4% 41,999	3.8% 3,657	13.4% 13,003	1.6% 1,545	0.3% 278	0.3% 302	2.2% 2,115	0.0% 0	0.0% 0	13.0% 12,598
Urban Furn. (3) 269,121 / 3.3%	1.9% 5,210	4.0% 10,879	0.5% 1,278	45.8% 45,300	5.7% 57,954	21.5% 20,488	7.6% 7,661	3.8% 10,096	0.0% 43	8.6% 23,082	0.6% 1,660	0.0% 0	45.8%
Roof (4) 877,490 / 10.8%	0.8% 6,658	5.6% 49,385	0.0% 0	2.7% 23,560	85.2% 85,200	3.3% 29,274	0.2% 2,084	0.6% 5,172	0.3% 2,430	0.4% 3,221	0.9% 8,274	0.0% 0	85.2%
Facade (5) 500,492 / 6.2%	0.4% 1,768	0.8% 4,031	0.0% 0	3.0% 15,095	2.4% 11,837	83.9% 83,900	0.2% 975	0.3% 1,392	0.0% 26	8.7% 43,676	0.4% 1,803	0.0% 0	83.9%
Shrub (6) 182,133 / 2.2%	3.4% 6,250	0.2% 379	0.0% 0	4.3% 7,922	0.3% 570	3.2% 5,905	66.1% 66,100	16.3% 29,745	0.0% 12	6.0% 10,952	0.0% 2	0.0% 0	66.1%
Tree (7) 1,067,121 / 13.2%	0.5% 5,220	0.0% 51	0.0% 0	0.6% 5,950	0.6% 6,107	0.4% 4,693	8.8% 93,468	86.4% 86,400	0.0% 353	2.6% 27,766	0.2% 1,892	0.0% 0	86.4%
Soil / Gravel (8) 131,349 / 1.6%	58.4% 76,653	17.6% 23,143	0.0% 0	0.2% 260	0.0% 2	0.3% 383	0.6% 750	0.0% 2	22.2% 29,191	0.7% 965	0.0% 0	0.0% 0	22.2% 29,191
Vertical (9) 103,575 / 1.3%	0.3% 275	3.8% 3,944	0.0% 33	3.3% 3,387	0.9% 909	10.2% 10,520	0.1% 58	0.1% 123	0.0% 0	81.3% 84,183	0.1% 143	0.0% 0	81.3% 84,183
Chimney (10) 8,971 / 0.1%	0.0% 0	0.1% 8	0.0% 0	5.7% 510	3.7% 331	2.2% 197	0.4% 34	0.3% 24	0.0% 0	0.6% 56	87.1% 7,811	0.0% 0	87.1% 7,811
Ignore* (11) 3,126,819 / 38.6%	18.5% 54,083	1.7% 54,083	0.1% 2,981	3.0% 95,242	4.8% 14,400	13.0% 39,600	12.4% 37,200	38.5% 115,500	0.6% 17,333	7.1% 21,300	0.3% 9,201	0.0% 0	0.0% 0
precision	79.7%	82.2%	80.8% 12,598	49.3%	94.2%	73.9%	44.2%	94.8%	54.1% 29,191	34.4% 84,183	36.2% 7,811	nan% 0	78.5%
F1 $\mu=61.4\%$	83.5%	79.8%	22.4%	47.5%	89.4%	78.6%	53.0%	90.4%	31.5%	48.4%	51.1%	nan%	

Low Veg. (0)  
1,001,863 / 12.4%  
Imp. Surface (1)  
786,767 / 9.7%  
Vehicle (2)  
15,589 / 0.2%  
Urban Furn. (3)  
249,853 / 3.1%  
Roof (4)  
793,742 / 9.8%  
Facade (5)  
568,524 / 7.0%  
Shrub (6)  
272,151 / 3.4%  
Tree (7)  
972,362 / 12.0%  
Soil / Gravel (8)  
53,933 / 0.7%  
Vertical (9)  
244,448 / 3.0%  
Chimney (10)  
21,586 / 0.3%  
Ignore (11)  
0 / 0.0%

prediction