

# Confusion Matrix

ground truth

Low Veg. (0) 216,936 / 13.1%	92.6%	2.1% 4,448	0.0% 13	0.9% 1,882	0.0% 1	0.3% 740	2.6% 5,683	0.4% 938	1.0% 2,226	0.0% 98	0.0% 0	0.0% 0	92.6%
Imp. Surface (1) 182,782 / 11.0%	7.1% 12,987	75.8%	0.1% 244	1.1% 2,002	11.7% 21,420	1.4% 2,601	0.2% 297	0.2% 324	2.3% 4,168	0.1% 132	0.0% 16	0.0% 0	75.8%
Vehicle (2) 9,260 / 0.6%	1.0% 88	0.5% 44	46.7% 4,322	37.7% 3,488	3.5% 328	3.4% 317	4.6% 428	1.3% 116	0.0% 0	1.4% 129	0.0% 0	0.0% 0	46.7% 4,322
Urban Furn. (3) 44,853 / 2.7%	3.4% 1,547	1.0% 434	0.9% 417	46.8% 20,992	7.5% 3,379	11.5% 5,170	14.8% 6,632	11.1% 4,980	0.0% 12	1.5% 655	1.4% 635	0.0% 0	46.8% 20,992
Roof (4) 136,303 / 8.2%	0.4% 522	0.5% 664	0.0% 5	2.1% 2,799	93.0%	1.9% 2,630	0.3% 412	1.4% 1,905	0.1% 95	0.0% 10	0.4% 559	0.0% 0	93.0%
Facade (5) 82,842 / 5.0%	0.4% 365	0.9% 705	0.0% 3	4.5% 3,690	2.9% 2,418	89.0% 73,692	0.8% 702	1.1% 945	0.0% 0	0.3% 252	0.1% 70	0.0% 0	89.0% 73,692
Shrub (6) 27,476 / 1.7%	3.4% 923	0.1% 23	0.0% 11	6.5% 1,777	0.6% 169	1.8% 492	75.7% 20,803	11.8% 3,232	0.0% 5	0.1% 41	0.0% 0	0.0% 0	75.7% 20,803
Tree (7) 196,159 / 11.8%	0.1% 215	0.0% 2	0.0% 0	0.2% 464	0.2% 329	0.2% 416	2.5% 4,912	96.8%	0.0% 0	0.0% 3	0.0% 3	0.0% 0	96.8%
Soil / Gravel (8) 34,938 / 2.1%	39.6% 13,835	23.3% 8,152	0.1% 31	1.9% 659	0.0% 0	0.1% 48	0.5% 183	0.0% 0	34.0% 11,878	0.4% 152	0.0% 0	0.0% 0	34.0% 11,878
Vertical (9) 25,968 / 1.6%	1.2% 321	1.8% 466	0.0% 0	3.6% 947	2.0% 514	50.6% 13,127	2.2% 584	4.0% 1,028	0.0% 0	34.6% 8,981	0.0% 0	0.0% 0	34.6% 8,981
Chimney (10) 1,269 / 0.1%	0.0% 0	0.0% 0	0.0% 0	0.9% 12	4.0% 51	1.3% 17	0.0% 0	0.5% 6	0.0% 0	0.0% 0	93.2% 1,183	0.0% 0	93.2% 1,183
Ignore* (11) 696,973 / 42.1%	14.9%	6.7% 46,864	0.6% 4,223	4.1% 28,642	19.5%	26.8%	4.8% 33,385	20.2%	0.5% 3,670	1.5% 10,485	0.4% 2,569	0.0% 0	0.0% 0
precision	86.7%	90.3%	85.7% 4,322	54.2% 20,992	81.6%	74.2% 73,692	51.2% 20,803	93.4%	64.6% 11,878	85.9% 8,981	48.0% 1,183	nan%	83.2%
F1 μ=69.4%	89.6%	82.4%	60.4%	50.2%	86.9%	80.9%	61.1%	95.0%	44.6%	49.3%	63.3%	nan%	
Low Veg (0) 231,710 / 14.0%	recall												
Imp Surface (1) 153,529 / 9.3%													
Vehicle (2) 5,046 / 0.3%													
Urban Furn (3) 38,712 / 2.3%													
Roof (4) 155,311 / 9.4%													
Facade (5) 99,250 / 6.0%													
Shrub (6) 40,636 / 2.5%													
Tree (7) 203,289 / 12.3%													
Soil / Gravel (8) 18,384 / 1.1%													
Vertical (9) 10,453 / 0.6%													
Chimney (10) 2,466 / 0.1%													
Ignore (11) 0 / 0.0%													

prediction

Low Veg. (0)  
231,710 / 14.0%  
Imp Surface (1)  
153,229 / 9.3%  
Vehicle (2)  
5,046 / 0.3%  
Urban Furn. (3)  
38,712 / 2.3%  
Roof (4)  
155,311 / 9.4%  
Facade (5)  
99,250 / 6.0%  
Shrub (6)  
40,636 / 2.5%  
Tree (7)  
203,289 / 12.3%  
Soil / Gravel (8)  
18,384 / 1.1%  
Vertical (9)  
10,453 / 0.6%  
Chimney (10)  
2,466 / 0.1%  
Ignore (11)  
0 / 0.0%  
recall