

# Confusion Matrix

ground truth

Low Veg. (0) 1,322,085 / 13.7%	78.6%	6.7% 88,539	0.1% 1,721	4.5% 59,680	0.0% 572	1.0% 13,779	5.3% 69,778	1.6% 20,573	1.8% 23,721	0.3% 4,583	0.0% 0	78.6%
Imp. Surface (1) 954,857 / 9.9%	4.3% 40,720	85.1%	0.9% 8,143	2.4% 23,080	2.5% 23,467	3.8% 36,409	0.3% 2,689	0.0% 316	0.1% 810	0.7% 6,289	0.0% 218	85.1%
Vehicle (2) 170,122 / 1.8%	0.3% 480	13.6% 23,114	41.8% 71,073	14.1% 23,973	7.8% 13,228	16.4% 27,817	0.4% 608	4.0% 6,761	0.1% 105	0.6% 1,092	1.1% 1,871	41.8% 71,073
Urban Furn. (3) 501,134 / 5.2%	1.1% 5,386	3.8% 19,198	7.4% 36,858	43.0%	5.8% 29,224	26.3%	4.9% 24,374	5.0% 24,858	0.0% 10	1.5% 7,565	1.3% 6,266	43.0%
Roof (4) 1,085,220 / 11.3%	0.1% 1,198	2.2% 24,016	0.3% 3,749	0.3% 3,252	93.2%	2.5% 27,288	0.0% 384	0.3% 3,170	0.5% 5,721	0.0% 445	0.4% 4,783	93.2%
Facade (5) 728,808 / 7.6%	0.2% 1,370	1.4% 10,301	0.7% 5,092	3.5% 25,176	2.6% 19,213	89.8%	0.7% 4,906	0.2% 1,607	0.0% 28	0.8% 5,635	0.2% 1,115	89.8%
Shrub (6) 408,253 / 4.2%	1.4% 5,738	0.5% 1,959	1.0% 3,888	9.9% 40,284	0.5% 2,073	3.4% 13,969	66.1%	15.4% 62,848	0.0% 2	1.8% 7,263	0.1% 547	66.1%
Tree (7) 4,138,163 / 43.0%	0.5% 21,304	0.0% 197	0.1% 5,113	0.3% 13,486	0.3% 11,621	0.4% 15,701	3.0%	95.0%	0.0% 64	0.1% 3,947	0.2% 7,690	95.0%
Soil / Gravel (8) 157,890 / 1.6%	58.8% 92,859	26.7% 42,148	0.0% 11	3.8% 6,037	0.0% 53	1.0% 1,620	1.5% 2,373	0.0% 2	8.1% 12,785	0.0% 2	0.0% 0	8.1% 12,785
Vertical (9) 148,051 / 1.5%	0.0% 12	2.7% 4,005	1.2% 1,759	3.9% 5,605	0.4% 524	35.0% 51,882	0.0% 0	0.1% 169	0.0% 9	56.6% 83,860	0.0% 26	56.6% 83,860
Chimney (10) 12,721 / 0.1%	0.0% 0	0.0% 0	0.0% 0	1.7% 220	5.4% 690	0.8% 103	0.0% 3	0.2% 25	0.0% 0	0.0% 0	91.8% 11,680	91.8% 11,680
precision	86.0%	79.2%	51.7% 71.073	51.7%	90.9%	67.1%	53.9%	97.0%	29.6% 12,785	69.5% 83,860	34.2% 11,680	84.3%
F1 $\mu=64.2\%$	82.1%	82.0%	46.2%	47.0%	92.0%	76.8%	59.4%	96.0%	12.7%	62.4%	49.8%	

prediction

Low Veg. (0)  
1,208,206 / 12.5%  
Imp. Surface (1)  
1,026,193 / 10.7%  
Vehicle (2)  
137,407 / 1.4%  
Urban Furn. (3)  
416,450 / 4.3%  
Roof (4)  
1,111,879 / 11.5%  
Facade (5)  
974,871 / 10.1%  
Shrub (6)  
500,524 / 5.2%  
Tree (7)  
4,053,642 / 42.1%  
Soil / Gravel (8)  
43,235 / 0.4%  
Vertical (9)  
120,681 / 1.3%  
Chimney (10)  
34,196 / 0.4%