

Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	85.6%	3.0% 27,700	0.0% 1	1.0% 9,279	0.0% 275	0.3% 3,117	3.0% 27,290	0.3% 3,076	6.3% 57,221	0.4% 3,484	0.0% 7	0.0% 0	85.6%
Imp. Surface (1) 833,152 / 10.3%	6.4% 53,337	84.3%	0.3% 2,805	2.2% 18,707	1.1% 8,957	2.2% 18,003	0.1% 834	0.0% 7	1.2% 10,076	2.2% 18,042	0.0% 120	0.0% 0	84.3%
Vehicle (2) 96,805 / 1.2%	0.0% 3	10.4% 10,035	62.6% 60,642	16.1% 15,563	5.7% 5,558	4.3% 4,161	0.0% 28	0.0% 27	0.5% 462	0.3% 325	0.0% 1	0.0% 0	62.6% 60,642
Urban Furn. (3) 269,114 / 3.3%	2.4% 6,580	2.3% 6,088	4.0% 10,738	68.3% 68,330	3.3% 8,947	7.5% 20,256	5.1% 13,727	2.4% 6,515	0.1% 236	4.4% 11,897	0.1% 238	0.0% 0	68.3%
Roof (4) 877,491 / 10.8%	0.7% 5,827	1.5% 12,724	0.0% 373	1.2% 10,351	93.2% 93,200	2.3% 20,550	0.1% 870	0.1% 667	0.4% 3,689	0.1% 847	0.5% 4,005	0.0% 0	93.2%
Facade (5) 500,496 / 6.2%	0.4% 1,759	1.3% 6,269	0.0% 185	3.9% 19,631	3.4% 16,939	86.9% 86,900	0.4% 2,145	0.1% 425	0.0% 4	3.3% 16,580	0.3% 1,519	0.0% 0	86.9%
Shrub (6) 182,138 / 2.2%	2.8% 5,133	0.4% 737	0.0% 7	8.2% 14,875	0.5% 952	1.9% 3,387	60.0% 60,000	22.1% 40,202	0.0% 46	3.8% 6,964	0.3% 495	0.0% 0	60.0%
Tree (7) 1,067,117 / 13.2%	0.7% 7,191	0.0% 50	0.2% 1,885	0.8% 8,524	0.3% 3,242	0.1% 1,246	2.4% 25,939	94.5% 94,500	0.3% 3,121	0.5% 5,252	0.2% 2,569	0.0% 0	94.5%
Soil / Gravel (8) 131,351 / 1.6%	28.2% 37,098	15.7% 20,629	0.0% 4	0.7% 914	0.0% 46	0.1% 70	0.5% 668	0.0% 0	54.7% 71,892	0.0% 30	0.0% 0	0.0% 0	54.7% 71,892
Vertical (9) 103,576 / 1.3%	0.1% 127	2.3% 2,388	3.9% 4,057	4.1% 4,238	0.0% 22	7.3% 7,521	0.3% 337	0.0% 26	0.1% 112	81.8% 84,736	0.0% 12	0.0% 0	81.8% 84,736
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	5.1% 456	2.5% 227	0.0% 2	0.0% 2	0.0% 2	0.0% 0	0.0% 0	92.3% 8,283	0.0% 0	92.3% 8,283
Ignore* (11) 3,126,807 / 38.6%	8.9% 75,249	1.8% 35,346	1.1% 35,346	3.3% 35,346	6.8% 35,346	12.6% 35,346	1.2% 37,983	17.1% 37,983	39.6% 37,983	7.5% 37,983	0.1% 1,883	0.0% 0	0.0% 0
precision	86.9%	89.0%	75.1% 60,642	64.2%	94.8%	84.7%	60.3%	95.2%	49.0% 71,892	57.2% 84,736	48.0% 8,283	nan% 0	85.5%
F1 $\mu=74.9\%$	86.2%	86.6%	68.3%	66.2%	94.0%	85.8%	60.2%	94.8%	51.7%	67.3%	63.2%	nan%	

prediction