

Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	86.4% 33,241	3.7% 3,241	0.0% 5	0.6% 5,069	0.0% 225	0.1% 1,226	3.0% 27,624	0.2% 1,668	5.7% 51,775	0.4% 3,213	0.0% 0	0.0% 0	86.4%
Imp. Surface (1) 833,152 / 10.3%	6.4% 52,916	83.2% 68,712	0.3% 2,842	2.9% 23,840	1.7% 14,086	1.1% 8,830	0.3% 2,513	0.1% 678	2.5% 21,176	1.6% 13,236	0.0% 2	0.0% 0	83.2%
Vehicle (2) 96,805 / 1.2%	0.0% 33	4.7% 4,515	71.1% 68,871	11.9% 11,529	9.9% 9,618	1.9% 1,792	0.1% 99	0.0% 28	0.0% 29	0.0% 45	0.3% 246	0.0% 0	71.1% 68,871
Urban Furn. (3) 269,114 / 3.3%	3.3% 8,952	3.2% 8,554	5.3% 14,354	58.5% 56,871	1.8% 4,975	8.3% 22,388	14.2% 38,248	3.5% 9,305	0.0% 73	1.7% 4,706	0.0% 40	0.0% 0	58.5%
Roof (4) 877,491 / 10.8%	0.9% 7,890	3.4% 29,706	0.2% 2,066	1.3% 11,258	90.6% 88,871	2.4% 21,482	0.3% 2,690	0.2% 1,457	0.5% 4,083	0.1% 526	0.1% 986	0.0% 0	90.6%
Facade (5) 500,496 / 6.2%	0.5% 2,379	1.9% 9,505	0.3% 1,609	5.7% 28,363	2.8% 13,896	82.3% 80,871	1.2% 5,812	0.2% 1,030	0.0% 108	5.1% 25,723	0.0% 176	0.0% 0	82.3%
Shrub (6) 182,138 / 2.2%	3.4% 6,103	0.8% 1,461	0.0% 14	4.1% 7,405	0.1% 226	1.0% 1,806	84.5% 82,871	4.6% 8,446	0.0% 6	1.5% 2,693	0.0% 0	0.0% 0	84.5%
Tree (7) 1,067,117 / 13.2%	0.8% 8,045	0.0% 80	0.0% 12	0.1% 1,406	0.1% 802	0.1% 1,575	9.4% 92,871	89.3% 87,871	0.0% 201	0.1% 1,086	0.0% 38	0.0% 0	89.3%
Soil / Gravel (8) 131,351 / 1.6%	39.1% 51,358	16.8% 22,101	0.0% 0	0.6% 826	0.0% 5	0.1% 113	0.4% 461	0.0% 3	42.9% 56,398	0.1% 86	0.0% 0	0.0% 0	42.9% 56,398
Vertical (9) 103,576 / 1.3%	1.1% 1,093	4.5% 4,705	2.6% 2,717	6.5% 6,524	0.7% 766	9.5% 9,866	0.2% 239	0.1% 101	0.7% 713	74.2% 76,852	0.0% 0	0.0% 0	74.2% 76,852
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	2.0% 180	9.3% 834	12.0% 1,077	0.3% 27	0.0% 1	0.0% 2	0.0% 0	76.4% 6,851	0.0% 0	76.4% 6,851
Ignore* (11) 3,126,807 / 38.6%	11.1% 99,081	3.2% 99,081	1.3% 41,007	3.6% 41,007	7.7% 41,007	10.1% 96,054	3.1% 96,054	57.3% 56,054	1.1% 33,843	1.4% 44,997	0.0% 1,162	0.0% 0	0.0% 0
precision	85.0%	85.9%	74.5% 68,871	62.0%	94.6%	85.4%	46.4%	97.7%	41.9% 56,398	60.0% 76,852	82.2% 6,851	nan% 0	83.5%
F1 $\mu=74.6\%$	85.7%	84.5%	72.8%	60.2%	92.6%	83.8%	59.9%	93.3%	42.4%	66.3%	79.2%	nan%	

prediction

Low Veg. (0)
925,323 / 11.4%
Imp. Surface (1)
806,901 / 10.0%
Vehicle (2)
92,490 / 1.1%
Urban furn. (3)
233,919 / 3.1%
Roof (4)
840,780 / 10.4%
Facade (5)
482,050 / 5.9%
Shrub (6)
332,118 / 4.1%
Tree (7)
976,162 / 12.0%
Soil / Gravel (8)
134,564 / 1.7%
Vertical (9)
128,166 / 1.6%
Chimney (10)
8,339 / 0.1%
Ignore (11)
0 / 0.0%
recall