

Confusion Matrix

ground truth

Low Veg. (0) 216,935 / 13.1%	93.2%	1.0% 2,232	0.0% 71	0.7% 1,451	0.0% 35	0.2% 367	2.8% 5,970	0.4% 774	1.7% 3,716	0.1% 146	0.0% 0	0.0% 0	93.2%
Imp. Surface (1) 182,782 / 11.0%	9.1% 16,701	76.5%	0.4% 658	1.6% 2,922	1.3% 2,386	1.0% 1,905	0.2% 379	0.0% 16	9.3% 16,981	0.6% 1,042	0.0% 0	0.0% 0	76.5%
Vehicle (2) 9,260 / 0.6%	0.5% 46	2.0% 188	50.8% 4,708	32.3% 2,990	5.1% 476	5.0% 467	4.0% 372	0.1% 7	0.0% 0	0.1% 6	0.0% 0	0.0% 0	50.8% 4,708
Urban Furn. (3) 44,852 / 2.7%	4.3% 1,915	1.9% 834	3.0% 1,354	50.9% 22,843	2.1% 922	9.2% 4,119	16.3% 7,309	3.7% 1,645	0.1% 40	8.6% 3,839	0.1% 32	0.0% 0	50.9% 22,843
Roof (4) 136,302 / 8.2%	0.9% 1,186	2.4% 3,304	0.1% 140	2.2% 2,949	90.9%	2.1% 2,813	0.4% 540	0.4% 563	0.0% 0	0.1% 145	0.6% 804	0.0% 0	90.9%
Facade (5) 82,842 / 5.0%	0.5% 430	0.9% 761	0.0% 41	4.8% 3,943	2.9% 2,393	82.9% 68,692	1.5% 1,214	0.8% 699	0.0% 14	5.4% 4,460	0.2% 195	0.0% 0	82.9% 68,692
Shrub (6) 27,476 / 1.7%	4.0% 1,102	0.0% 12	0.0% 0	3.8% 1,049	0.1% 29	1.1% 305	79.8% 21,933	9.5% 2,598	0.0% 6	1.6% 442	0.0% 0	0.0% 0	79.8% 21,933
Tree (7) 196,158 / 11.8%	0.1% 156	0.0% 0	0.0% 21	0.3% 516	0.1% 111	0.1% 238	2.1% 4,134	97.3%	0.0% 5	0.1% 188	0.0% 7	0.0% 0	97.3%
Soil / Gravel (8) 34,938 / 2.1%	45.3% 15,838	8.2% 2,868	0.2% 72	1.1% 381	0.1% 22	0.2% 64	1.6% 545	0.0% 0	42.9% 15,003	0.4% 145	0.0% 0	0.0% 0	42.9% 15,003
Vertical (9) 25,969 / 1.6%	1.3% 326	0.8% 201	0.0% 0	4.5% 1,166	0.3% 71	5.0% 1,308	1.0% 267	0.1% 15	0.0% 3	87.0% 22,604	0.0% 0	0.0% 0	87.0% 22,604
Chimney (10) 1,269 / 0.1%	0.0% 0	0.0% 0	0.0% 0	4.6% 59	4.6% 58	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.0% 0	90.8% 1,152	0.0% 0	90.8% 1,152
Ignore* (11) 696,968 / 42.1%	9.1% 63,084	3.7% 26,131	0.5% 3,267	4.2% 29,125	17.2% 10,674	24.3% 10,674	1.5% 10,674	25.5%	10.1% 70,209	3.8% 26,594	0.0% 284	0.0% 0	0.0% 0
precision	84.3%	93.1%	66.6% 4,708	56.7% 22,843	95.0%	85.6% 68,692	51.4% 21,933	96.8%	41.9% 15,003	68.5% 22,604	52.6% 1,152	nan% 0	84.9%
F1 $\mu=73.3\%$	88.5%	84.0%	57.7%	53.7%	92.9%	84.2%	62.5%	97.0%	42.4%	76.6%	66.6%	nan%	

prediction

Low Veg. (0)
239,873 / 14.5%
Imp Surface (1)
150,192 / 9.1%
Vehicle (2)
7,073 / 0.4%
Urban Furn. (3)
40,269 / 2.4%
Roof (4)
130,361 / 7.9%
Facade (5)
80,278 / 4.8%
Shrub (6)
42,663 / 2.6%
Tree (7)
197,099 / 11.9%
Soil / Gravel (8)
35,768 / 2.2%
Vertical (9)
33,017 / 2.0%
Chimney (10)
2,190 / 0.1%
Ignore (11)
0 / 0.0%

recall