

# Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	85.9%	4.5% 41,009	0.1% 1,040	1.7% 15,029	0.4% 3,601	0.8% 7,008	4.3% 39,232	0.3% 2,444	0.8% 7,351	1.3% 12,000	0.0% 0	0.0% 0	85.9%
Imp. Surface (1) 833,163 / 10.3%	8.8% 72,934	79.9%	0.7% 5,473	3.8% 31,288	0.9% 7,512	2.3% 19,327	0.8% 6,280	0.3% 2,246	0.4% 3,742	2.2% 18,689	0.0% 0	0.0% 0	79.9%
Vehicle (2) 96,807 / 1.2%	1.0% 964	19.4% 18,771	46.3% 44,857	17.3% 16,777	5.4% 5,259	7.7% 7,450	1.3% 1,247	0.3% 309	0.0% 37	1.2% 1,132	0.0% 4	0.0% 0	46.3% 44,857
Urban Furn. (3) 269,121 / 3.3%	2.0% 5,419	3.1% 8,422	5.2% 14,118	43.2%	8.2% 22,121	13.8% 37,179	8.7% 23,379	9.6% 25,843	0.0% 7	5.9% 15,897	0.1% 369	0.0% 0	43.2%
Roof (4) 877,490 / 10.8%	0.7% 6,211	6.4% 56,172	0.2% 1,650	1.7% 15,275	86.0%	1.8% 16,155	0.2% 1,813	1.4% 12,147	0.7% 6,445	0.4% 3,235	0.4% 3,860	0.0% 0	86.0%
Facade (5) 500,492 / 6.2%	0.4% 2,220	0.7% 3,526	0.1% 407	2.9% 14,663	3.8% 19,107	82.2%	0.6% 2,920	2.0% 9,856	0.0% 33	7.2% 35,815	0.1% 495	0.0% 0	82.2%
Shrub (6) 182,133 / 2.2%	2.4% 4,395	0.4% 819	0.1% 260	3.5% 6,448	0.7% 1,231	2.7% 4,931	66.7%	19.3% 35,241	0.0% 0	4.1% 7,414	0.0% 0	0.0% 0	66.7%
Tree (7) 1,067,121 / 13.2%	0.3% 3,687	0.0% 63	0.0% 26	0.2% 1,630	0.3% 2,699	0.7% 6,976	6.0% 64,238	91.7%	0.0% 21	0.8% 9,015	0.0% 450	0.0% 0	91.7%
Soil / Gravel (8) 131,349 / 1.6%	60.7% 79,761	21.8% 28,620	0.1% 69	0.3% 447	0.0% 21	0.3% 444	0.6% 785	0.0% 47	15.6% 20,519	0.5% 636	0.0% 0	0.0% 0	15.6% 20,519
Vertical (9) 103,575 / 1.3%	0.5% 524	3.7% 3,788	0.2% 231	4.6% 4,721	1.4% 1,406	16.8% 17,413	0.1% 78	0.3% 348	0.0% 0	72.5% 75,066	0.0% 0	0.0% 0	72.5% 75,066
Chimney (10) 8,971 / 0.1%	0.1% 6	0.0% 0	0.2% 17	4.1% 370	6.4% 573	2.2% 195	0.1% 5	0.9% 85	0.0% 0	0.0% 0	86.1% 7,720	0.0% 0	86.1% 7,720
Ignore* (11) 3,126,819 / 38.6%	17.2% 62,177	2.0% 19,523	0.6% 5,982	3.2% 99,882	5.3%	11.5% 13,882	13.8% 39,882	0.4% 13,911	6.0% 4,217	0.1% 4,217	0.0% 0	0.0% 0	0.0% 0
precision	81.6%	80.5% 44,857	65.8% 44,857	52.2%	92.2%	77.8%	46.4%	91.7%	53.8% 20,519	42.0% 75,066	59.9% 7,720	nan% 0	79.9%
F1 $\mu=66.3\%$	83.7%	80.2%	54.4%	47.3%	89.0%	80.0%	54.7%	91.7%	24.2%	53.1%	70.6%	nan%	

prediction