

# Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	89.2%	2.9% 26,259	0.0% 276	2.5% 22,891	0.9% 7,807	0.7% 6,587	3.3% 29,896	0.2% 2,270	0.2% 1,443	0.1% 935	0.0% 0	0.0% 0	89.2%
Imp. Surface (1) 833,163 / 10.3%	11.1% 92,248	77.2%	0.7% 5,771	4.8% 40,321	1.8% 14,679	2.4% 20,092	0.8% 6,422	0.1% 1,248	0.1% 905	1.0% 8,554	0.0% 0	0.0% 0	77.2%
Vehicle (2) 96,807 / 1.2%	1.5% 1,445	13.2% 36,392	37.6% 36,392	24.6% 23,854	12.9% 12,484	8.5% 8,208	0.5% 505	0.6% 566	0.1% 50	0.3% 269	0.3% 275	0.0% 0	37.6% 36,392
Urban Furn. (3) 269,121 / 3.3%	1.4% 3,786	1.8% 4,798	3.3% 8,750	54.7% 54,792	7.5% 20,216	12.8% 34,524	6.5% 17,540	10.7% 28,780	0.0% 6	1.2% 3,120	0.1% 390	0.0% 0	54.7%
Roof (4) 877,490 / 10.8%	0.6% 5,121	0.7% 6,159	0.0% 226	1.8% 16,010	93.2% 93,216	2.3% 19,849	0.2% 1,441	0.7% 6,227	0.0% 43	0.0% 376	0.4% 3,920	0.0% 0	93.2%
Facade (5) 500,492 / 6.2%	0.3% 1,548	0.8% 4,062	0.2% 1,037	4.7% 23,657	2.6% 12,909	88.2% 88,216	0.5% 2,683	0.6% 2,961	0.0% 0	2.0% 10,217	0.0% 145	0.0% 0	88.2%
Shrub (6) 182,133 / 2.2%	1.8% 3,341	0.5% 934	0.6% 1,155	10.6% 19,303	0.8% 1,529	3.0% 5,474	51.7% 94,226	29.9% 54,436	0.0% 25	0.9% 1,679	0.0% 31	0.0% 0	51.7% 94,226
Tree (7) 1,067,121 / 13.2%	0.7% 7,918	0.0% 20	0.0% 56	0.7% 7,312	0.4% 3,901	0.4% 4,589	3.0% 31,885	94.7% 94,716	0.0% 0	0.0% 122	0.0% 275	0.0% 0	94.7%
Soil / Gravel (8) 131,349 / 1.6%	79.8% 79,816	16.9% 22,146	0.0% 12	1.0% 1,071	0.2% 221	0.3% 396	0.6% 735	0.0% 12	1.2% 1,554	0.0% 44	0.0% 0	0.0% 0	1.2% 1,554
Vertical (9) 103,575 / 1.3%	1.1% 1,140	1.4% 1,453	1.4% 1,408	5.6% 5,771	0.8% 828	26.4% 27,384	0.2% 257	3.9% 4,056	0.1% 102	59.0% 61,090	0.1% 86	0.0% 0	59.0% 61,090
Chimney (10) 8,971 / 0.1%	0.0% 0	0.0% 0	0.0% 0	3.5% 310	3.0% 268	1.2% 110	0.0% 0	0.0% 0	0.0% 0	0.0% 0	92.3% 8,283	0.0% 0	92.3% 8,283
Ignore* (11) 3,126,819 / 38.6%	16.1% 45,192	1.4% 45,192	0.6% 20,122	4.6% 13,866	5.1% 15,306	13.4% 40,512	5.8% 17,556	50.1% 150,312	0.1% 4,463	2.5% 78,537	0.1% 3,504	0.0% 0	0.0% 0
precision	78.6%	89.1%	66.1% 36,392	47.8%	91.6%	77.6%	50.8% 94,226	91.0%	37.6% 1,554	70.7% 61,090	61.8% 8,283	nan%	81.8%
F1 $\mu=65.9\%$	83.6%	82.7%	47.9%	51.0%	92.4%	82.6%	51.2%	92.8%	2.3%	64.3%	74.0%	nan%	

prediction