

# Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	91.2%	2.6% 23,424	0.0% 2	0.9% 7,823	0.0% 371	0.2% 2,217	3.1% 28,567	0.6% 5,566	1.3% 11,613	0.1% 474	0.0% 0	0.0% 0	91.2%
Imp. Surface (1) 833,152 / 10.3%	8.6% 71,441	83.4%	0.7% 5,651	3.4% 28,189	0.8% 6,698	1.8% 14,681	0.4% 3,394	0.0% 370	0.0% 248	0.9% 7,251	0.0% 5	0.0% 0	83.4%
Vehicle (2) 96,805 / 1.2%	0.0% 25	5.7% 5,471	69.6% 67,359	15.0% 14,529	6.1% 5,879	2.7% 2,661	0.0% 4	0.9% 862	0.0% 2	0.0% 13	0.0% 0	0.0% 0	69.6% 67,359
Urban Furn. (3) 269,114 / 3.3%	2.6% 7,098	1.6% 4,408	2.8% 7,560	69.7% 6,422	2.4% 9,616	3.6% 9,616	8.8% 23,551	6.4% 17,222	0.0% 31	2.0% 5,479	0.1% 287	0.0% 0	69.7%
Roof (4) 877,491 / 10.8%	0.6% 5,083	3.8% 32,985	0.2% 1,390	1.9% 16,977	89.0%	3.1% 27,232	0.2% 1,647	0.3% 2,287	0.4% 3,903	0.0% 111	0.6% 4,990	0.0% 0	89.0%
Facade (5) 500,496 / 6.2%	0.4% 2,169	1.5% 7,449	0.1% 519	8.4% 42,025	3.3% 16,575	80.9%	1.1% 5,703	0.3% 1,709	0.0% 5	3.9% 19,298	0.0% 211	0.0% 0	80.9%
Shrub (6) 182,138 / 2.2%	3.5% 6,454	0.6% 1,167	0.0% 0	6.0% 10,948	0.3% 550	1.0% 1,850	65.1% 42,284	23.2%	0.0% 1	0.2% 395	0.0% 0	0.0% 0	65.1%
Tree (7) 1,067,117 / 13.2%	0.6% 6,419	0.0% 26	0.0% 0	0.7% 7,620	0.1% 1,027	0.0% 326	3.5% 37,837	94.9%	0.0% 1	0.1% 646	0.0% 2	0.0% 0	94.9%
Soil / Gravel (8) 131,351 / 1.6%	72.5% 95,204	14.0% 18,432	0.0% 0	0.7% 858	0.0% 0	0.0% 0	0.4% 577	0.0% 3	12.4% 16,276	0.0% 1	0.0% 0	0.0% 0	12.4% 16,276
Vertical (9) 103,576 / 1.3%	0.1% 129	7.1% 7,338	2.0% 2,112	7.7% 7,926	0.3% 351	15.9% 16,437	1.4% 1,475	0.4% 414	0.0% 47	65.0% 67,347	0.0% 0	0.0% 0	65.0% 67,347
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 0	5.6% 506	1.6% 144	0.3% 23	0.4% 34	0.0% 3	0.0% 0	0.0% 0	92.1% 8,262	0.0% 0	92.1% 8,262
Ignore* (11) 3,126,807 / 38.6%	4.6% 30,847	3.7% 30,847	1.0% 92,649	3.0% 92,649	5.3% 30,847	8.7% 47,068	1.5% 47,068	70.6%	0.4% 11,940	1.1% 33,618	0.1% 3,895	0.0% 0	0.0% 0
precision	81.1%	87.3%	79.6% 67,359	57.7%	95.4%	84.4%	53.5%	93.5%	50.7% 16,276	66.7% 67,347	60.1% 8,262	nan% 0	84.1%
F1 $\mu=72.2\%$	85.8%	85.4%	74.3%	63.1%	92.1%	82.6%	58.7%	94.2%	19.9%	65.8%	72.7%	nan%	

prediction