

Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	89.9%	4.5% 41,023	0.2% 1,593	1.6% 14,659	0.2% 2,060	0.6% 5,106	1.4% 12,559	0.1% 1,268	0.6% 5,360	0.9% 8,127	0.0% 2	0.0% 0	89.9%
Imp. Surface (1) 833,163 / 10.3%	7.2% 60,131	83.4%	0.6% 5,179	3.2% 26,312	0.9% 7,600	2.2% 18,028	0.4% 3,384	0.1% 720	0.0% 91	2.0% 16,915	0.0% 0	0.0% 0	83.4%
Vehicle (2) 96,807 / 1.2%	1.4% 1,310	16.0% 15,448	38.3% 37,071	23.4% 22,657	7.8% 7,589	11.2% 10,870	0.3% 317	0.3% 334	0.1% 145	1.1% 1,037	0.0% 29	0.0% 0	38.3% 37,071
Urban Furn. (3) 269,121 / 3.3%	2.7% 7,259	2.3% 6,117	4.3% 11,518	48.6% 46,671	7.0% 18,781	19.8% 53,159	5.7% 15,336	4.2% 11,275	0.0% 2	5.4% 14,447	0.1% 334	0.0% 0	48.6%
Roof (4) 877,490 / 10.8%	0.6% 5,007	1.5% 13,124	0.2% 1,500	2.0% 17,841	91.3% 89,371	2.6% 23,109	0.3% 2,783	0.7% 6,251	0.0% 402	0.4% 3,356	0.4% 3,247	0.0% 0	91.3%
Facade (5) 500,492 / 6.2%	0.5% 2,719	1.0% 5,165	0.1% 626	3.7% 18,675	1.7% 8,294	86.8% 84,876	0.3% 3,496	0.3% 1,725	0.0% 0	5.0% 25,037	0.0% 90	0.0% 0	86.8%
Shrub (6) 182,133 / 2.2%	3.7% 6,653	0.9% 1,551	0.5% 994	9.2% 16,764	0.6% 1,018	2.4% 4,439	46.9% 85,477	24.8% 45,092	0.0% 2	11.1% 20,143	0.0% 0	0.0% 0	46.9% 85,477
Tree (7) 1,067,121 / 13.2%	1.1% 11,887	0.0% 19	0.0% 56	0.5% 5,606	0.2% 2,051	0.4% 4,231	5.0% 53,357	92.1% 90,126	0.0% 17	0.7% 7,135	0.0% 71	0.0% 0	92.1%
Soil / Gravel (8) 131,349 / 1.6%	72.7% 95,478	18.5% 24,240	0.0% 63	0.7% 861	0.1% 107	0.3% 386	0.2% 252	0.0% 26	7.5% 9,900	0.0% 36	0.0% 0	0.0% 0	7.5% 9,900
Vertical (9) 103,575 / 1.3%	1.1% 1,102	3.5% 3,604	0.6% 626	2.9% 2,984	1.3% 1,346	37.6% 38,896	0.3% 269	0.0% 24	0.0% 18	52.8% 54,645	0.1% 61	0.0% 0	52.8% 54,645
Chimney (10) 8,971 / 0.1%	0.0% 0	0.0% 0	0.0% 0	4.7% 420	6.6% 594	3.0% 266	0.1% 7	0.4% 39	0.0% 0	0.0% 0	85.2% 7,645	0.0% 0	85.2% 7,645
Ignore* (11) 3,126,819 / 38.6%	19.7% 71,689	2.3% 18,363	0.6% 18,363	3.8% 25,762	4.5% 34,215	13.5% 104,445	7.4% 59,155	41.2% 317,237	0.2% 4,709	6.9% 15,937	0.1% 2,629	0.0% 0	0.0% 0
precision	81.0%	86.3%	62.6% 37,071	50.8%	94.2%	73.3%	48.2% 85,477	93.6%	62.1% 9,900	36.2% 54,645	66.6% 7,645	nan% 0	81.5%
F1 $\mu=64.6\%$	85.3%	84.8%	47.5%	49.7%	92.7%	79.5%	47.6%	92.9%	13.4%	43.0%	74.8%	nan%	

prediction