

Confusion Matrix

ground truth

Low Veg. (0) 910,600 / 11.2%	89.2% 36,449	4.0% 0	0.0% 0	2.0% 18,428	0.1% 993	0.4% 3,881	3.1% 28,449	0.3% 2,639	0.7% 6,172	0.1% 1,263	0.0% 0	0.0% 0	89.2%
Imp. Surface (1) 833,152 / 10.3%	5.4% 44,764	84.8%	0.4% 3,231	4.2% 34,750	1.4% 11,649	2.0% 16,604	0.2% 1,710	0.0% 323	0.1% 1,132	1.5% 12,626	0.0% 0	0.0% 0	84.8%
Vehicle (2) 96,805 / 1.2%	0.0% 5	7.7% 7,409	64.5% 62,454	20.3% 19,643	5.5% 5,335	1.4% 1,397	0.0% 2	0.5% 528	0.0% 1	0.0% 31	0.0% 0	0.0% 0	64.5% 62,454
Urban Furn. (3) 269,114 / 3.3%	1.9% 5,089	1.9% 5,243	0.8% 2,034	75.4% 75,428	1.2% 3,125	7.6% 20,476	5.0% 13,435	4.9% 13,266	0.0% 0	1.2% 3,269	0.1% 153	0.0% 0	75.4%
Roof (4) 877,491 / 10.8%	0.7% 5,942	4.2% 36,566	0.3% 2,485	2.5% 22,307	87.6% 87,604	3.4% 30,256	0.1% 765	0.1% 1,043	0.5% 4,617	0.1% 948	0.4% 3,652	0.0% 0	87.6%
Facade (5) 500,496 / 6.2%	0.3% 1,391	1.1% 5,449	0.2% 821	6.3% 31,746	2.8% 14,024	87.4% 87,404	0.6% 2,899	0.4% 2,159	0.0% 0	0.9% 4,457	0.1% 358	0.0% 0	87.4%
Shrub (6) 182,138 / 2.2%	2.2% 3,947	0.7% 1,263	0.0% 0	12.1% 22,085	0.2% 316	1.9% 3,458	66.4% 66,404	15.7% 28,510	0.0% 0	0.8% 1,542	0.0% 6	0.0% 0	66.4%
Tree (7) 1,067,117 / 13.2%	0.4% 4,164	0.0% 220	0.0% 3	1.5% 16,063	0.0% 428	0.1% 777	3.7% 39,383	94.1% 94,104	0.0% 0	0.1% 1,068	0.1% 864	0.0% 0	94.1%
Soil / Gravel (8) 131,351 / 1.6%	62.8% 82,518	18.2% 23,855	0.0% 0	1.0% 1,079	0.2% 228	0.1% 126	0.4% 561	0.0% 0	17.3% 22,672	0.0% 12	0.0% 0	0.0% 0	17.3% 22,672
Vertical (9) 103,576 / 1.3%	0.8% 846	2.7% 2,784	1.5% 1,513	7.3% 7,602	0.0% 28	13.4% 13,839	0.8% 794	0.4% 448	0.0% 2	73.1% 75,717	0.0% 3	0.0% 0	73.1% 75,717
Chimney (10) 8,972 / 0.1%	0.0% 0	0.0% 0	0.0% 1	5.6% 505	1.6% 145	1.4% 128	0.0% 3	0.0% 0	0.0% 0	0.0% 0	91.3% 8,190	0.0% 0	91.3% 8,190
Ignore* (11) 3,126,807 / 38.6%	2.3% 71,347	14.9% 28,840	0.9% 28,840	3.9% 7,760	4.6% 9,220	12.0% 24,040	1.8% 56,511	57.5% 115,022	0.0% 108	2.0% 61,951	0.0% 1,075	0.0% 0	0.0% 0
precision	84.5%	85.6%	86.1% 62,454	53.8%	95.5%	82.8%	57.9%	95.4%	65.5% 22,672	75.0% 75,717	61.9% 8,190	nan% 0	84.8%
F1 $\mu=74.2\%$	86.8%	85.2%	73.8%	62.8%	91.4%	85.0%	61.9%	94.7%	27.3%	74.0%	73.8%	nan%	

prediction