

# Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	92.4%	2.6% 23,458	0.0% 135	0.4% 3,842	0.0% 22	0.2% 2,085	1.9% 17,386	0.2% 1,664	1.7% 15,897	0.5% 4,577	0.0% 0	0.0% 0	92.4%
Imp. Surface (1) 833,163 / 10.3%	15.1%	77.9%	0.3% 2,595	1.6% 13,509	1.2% 10,168	1.1% 9,098	0.6% 5,222	0.4% 3,694	0.2% 1,634	1.5% 12,189	0.0% 12	0.0% 0	77.9%
Vehicle (2) 96,807 / 1.2%	7.4% 7,162	18.6% 18,041	23.9% 23,174	30.0% 29,059	4.6% 4,405	6.7% 6,499	5.3% 5,113	2.1% 2,065	0.0% 9	1.2% 1,203	0.1% 77	0.0% 0	23.9% 23,174
Urban Furn. (3) 269,121 / 3.3%	6.6% 17,641	2.9% 7,679	1.6% 4,350	40.8% 40,853	6.2% 16,559	10.6% 28,563	12.8% 34,461	14.7% 39,485	0.0% 22	3.6% 9,772	0.3% 853	0.0% 0	40.8%
Roof (4) 877,490 / 10.8%	1.1% 9,996	1.3% 11,833	0.1% 563	1.5% 13,369	87.3% 87,362	2.8% 24,166	0.5% 4,550	3.9% 34,270	0.7% 6,226	0.2% 1,508	0.5% 4,607	0.0% 0	87.3%
Facade (5) 500,492 / 6.2%	1.6% 8,205	1.0% 5,162	0.2% 872	6.2% 30,802	1.5% 7,685	77.7% 77,785	1.8% 9,251	3.9% 19,270	0.0% 48	5.9% 29,477	0.2% 831	0.0% 0	77.7%
Shrub (6) 182,133 / 2.2%	6.4% 11,622	0.3% 586	0.2% 425	2.4% 4,458	0.1% 262	1.5% 2,759	65.7% 65,713	21.5% 39,213	0.0% 5	1.7% 3,138	0.0% 0	0.0% 0	65.7%
Tree (7) 1,067,121 / 13.2%	1.8% 19,104	0.0% 16	0.0% 135	0.1% 1,395	0.2% 1,785	0.1% 1,506	7.0% 74,710	89.3% 89,317	0.0% 117	1.4% 14,769	0.0% 243	0.0% 0	89.3%
Soil / Gravel (8) 131,349 / 1.6%	64.8% 85,128	16.2% 21,330	0.0% 14	0.0% 50	0.0% 0	0.0% 2	0.2% 263	0.0% 34	18.5% 24,283	0.2% 245	0.0% 0	0.0% 0	18.5% 24,283
Vertical (9) 103,575 / 1.3%	5.4% 5,544	2.6% 2,709	0.0% 14	1.8% 1,905	1.1% 1,094	22.7% 23,524	0.3% 351	4.8% 4,941	0.0% 12	61.1% 63,239	0.2% 242	0.0% 0	61.1% 63,239
Chimney (10) 8,971 / 0.1%	0.0% 0	0.0% 0	0.0% 0	4.1% 365	3.4% 307	0.4% 37	0.0% 0	1.5% 139	0.0% 0	0.0% 0	90.5% 8,123	0.0% 0	90.5% 8,123
Ignore* (11) 3,126,819 / 38.6%	21.8% 43,646	1.4% 9,501	0.3% 9,501	2.3% 72,318	3.8% 72,318	11.1% 72,318	10.0% 72,318	44.4% 72,318	0.2% 7,702	4.5% 7,702	0.1% 4,475	0.0% 0	0.0% 0
precision	74.3%	87.7%	71.8% 23,174	52.6%	94.8%	79.8%	44.2%	86.8%	50.3% 24,283	45.1% 63,239	54.2% 8,123	nan% 0	79.2%
F1 $\mu=64.0\%$	82.4%	82.5%	35.9%	46.0%	90.9%	78.8%	52.8%	88.1%	27.0%	51.9%	67.8%	nan%	

prediction