

# Confusion Matrix

ground truth	Low Veg. (0) 8,997,892 / 15.7%	82.1%	3.4%	0.1% 7,035	1.3%	0.3% 24,366	0.4% 33,522	3.0%	1.1% 97,057	7.1%	1.4%	0.0% 3	0.0% 0	82.1%
	Imp. Surface (1) 4,809,206 / 8.4%	3.9%	87.9%	1.1% 54,676	1.4% 65,416	1.1% 50,695	1.2% 59,569	0.3% 14,257	0.1% 4,432	1.5% 73,203	1.5% 70,187	0.0% 295	0.0% 0	87.9%
	Vehicle (2) 297,506 / 0.5%	0.0% 2	0.0% 84	98.4%	1.0% 2,827	0.3% 822	0.0% 115	0.0% 105	0.0% 22	0.2% 715	0.0% 29	0.0% 0	0.0% 0	98.4%
	Urban Furn. (3) 1,239,804 / 2.2%	1.1% 13,371	0.6% 7,620	0.5% 5,871	76.3%	2.1% 25,751	3.7% 46,380	12.1%	2.8% 34,947	0.2% 2,923	0.5% 5,879	0.1% 1,471	0.0% 0	76.3%
	Roof (4) 3,299,269 / 5.8%	0.1% 3,835	0.1% 2,434	0.0% 837	1.1% 37,916	95.6%	1.7% 57,057	0.1% 1,833	0.5% 17,592	0.0% 1,086	0.0% 984	0.7% 22,030	0.0% 0	95.6%
	Facade (5) 1,871,247 / 3.3%	0.1% 2,682	0.5% 9,773	0.0% 483	3.6% 68,006	3.7% 69,820	90.0%	0.6% 10,521	0.7% 12,947	0.0% 623	0.5% 8,509	0.2% 3,801	0.0% 0	90.0%
	Shrub (6) 983,614 / 1.7%	2.2% 21,233	0.2% 2,102	0.1% 616	3.3% 32,469	0.4% 4,299	0.8% 8,226	76.0%	16.2%	0.2% 2,042	0.5% 5,316	0.0% 231	0.0% 0	76.0%
	Tree (7) 7,779,098 / 13.6%	0.1% 8,880	0.0% 77	0.0% 325	0.1% 9,930	0.1% 9,285	0.1% 8,962	1.8%	97.6%	0.0% 3,453	0.1% 4,195	0.0% 2,354	0.0% 0	97.6%
	Soil / Gravel (8) 3,730,816 / 6.5%	2.1% 78,243	0.4% 15,019	0.2% 6,422	0.3% 10,504	0.0% 1,179	0.0% 464	0.1% 5,200	0.0% 619	96.8%	0.0% 433	0.0% 29	0.0% 0	96.8%
	Vertical (9) 1,618,112 / 2.8%	0.7% 10,996	0.5% 8,170	0.2% 3,993	0.2% 3,629	0.1% 1,399	1.7% 27,810	5.4% 86,720	1.8% 29,264	0.1% 2,211	89.2%	0.0% 0	0.0% 0	89.2%
	Chimney (10) 27,239 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.1% 30	1.4% 393	0.7% 193	0.0% 9	0.0% 1	0.0% 0	0.0% 0	97.7% 26,613	0.0% 0	97.7% 26,613
	Ignore* (11) 22,664,253 / 39.5%	1.7%	0.2% 55,492	0.6%	4.9%	13.9%	21.2%	4.0%	19.1%	27.6%	6.7%	0.1% 23,936	0.0% 0	0.0% 0
precision	95.7%	92.4%	78.5%	73.1%	94.4%	87.4%	52.4%	95.5%	83.4%	86.8%	46.8% 26,613	nan% 0		89.8%
F1 μ=84.0%	88.4%	90.1%	87.3%	74.7%	95.0%	88.7%	62.0%	96.6%	89.6%	88.0%	63.3%	nan%		
	Low Veg (0) 7,710,943 / 13.5%	Imp Surface (1) 4,577,102 / 8.0%	Vehicle (2) 373,043 / 0.6%	Urban Furn (3) 1,294,600 / 2.3%	Roof (4) 3,341,674 / 5.8%	Facade (5) 1,926,280 / 3.4%	Shrub (6) 1,427,559 / 2.5%	Tree (7) 7,948,786 / 13.9%	Soil / Gravel (8) 4,335,312 / 7.6%	Vertical (9) 1,663,577 / 2.9%	Chimney (10) 56,827 / 0.1%	Ignore (11) 0 / 0.0%	recall	
		prediction												

prediction