

# Confusion Matrix

ground truth	Low Veg. (0) 8,992,598 / 15.8%	88.5%	2.9%	0.0% 4,202	1.2%	0.1% 5,531	0.4% 32,679	2.9%	1.4%	1.8%	0.8% 75,694	0.0% 2	0.0% 0	88.5%
	Imp. Surface (1) 4,837,471 / 8.5%	6.6%	87.2%	0.3% 13,874	1.1% 50,928	0.2% 9,214	1.2% 60,465	0.3% 14,703	0.2% 9,879	1.8% 88,999	1.0% 49,812	0.0% 14	0.0% 0	87.2%
	Vehicle (2) 297,074 / 0.5%	0.1% 165	0.3% 747	91.9%	4.6% 13,697	0.2% 468	0.1% 219	1.2% 3,638	1.2% 3,568	0.5% 1,605	0.0% 34	0.0% 0	0.0% 0	91.9%
	Urban Furn. (3) 1,247,771 / 2.2%	1.8% 22,187	1.7% 20,645	0.3% 3,511	74.2%	1.7% 20,894	4.7% 58,271	11.2%	3.9% 49,050	0.1% 1,692	0.4% 5,062	0.0% 68	0.0% 0	74.2%
	Roof (4) 3,269,817 / 5.7%	0.3% 9,749	0.6% 20,432	0.1% 2,449	0.7% 22,215	93.0%	1.9% 63,363	0.1% 4,822	2.4% 79,612	0.2% 5,598	0.0% 1,308	0.6% 20,607	0.0% 0	93.0%
	Facade (5) 1,854,651 / 3.3%	0.3% 4,848	1.1% 19,488	0.1% 1,100	1.9% 34,436	1.8% 33,128	92.5%	0.8% 15,632	1.1% 19,637	0.0% 70	0.5% 9,188	0.1% 2,408	0.0% 0	92.5%
	Shrub (6) 978,365 / 1.7%	2.7% 26,373	0.3% 2,808	0.0% 166	3.2% 31,110	0.2% 2,187	1.4% 13,509	81.2%	9.5% 93,131	0.0% 446	1.5% 14,601	0.0% 0	0.0% 0	81.2%
	Tree (7) 7,708,827 / 13.5%	0.3% 21,126	0.0% 106	0.0% 911	0.2% 12,978	0.1% 5,248	0.1% 11,372	2.2%	97.0%	0.0% 960	0.1% 6,957	0.0% 1,577	0.0% 0	97.0%
	Soil / Gravel (8) 3,770,192 / 6.6%	12.0%	1.8% 68,952	0.1% 4,202	0.2% 7,622	0.0% 71	0.0% 265	0.1% 4,986	1.1% 1,151	85.6%	0.0% 1,732	0.0% 0	0.0% 0	85.6%
	Vertical (9) 1,641,973 / 2.9%	1.0% 15,710	0.4% 7,148	0.0% 301	0.3% 4,317	0.0% 319	0.4% 6,959	4.4% 72,245	1.1% 17,418	0.1% 1,960	92.3%	0.0% 8	0.0% 0	92.3%
	Chimney (10) 26,874 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.0% 2	0.4% 100	0.5% 127	0.0% 0	0.1% 34	0.0% 0	0.0% 0	99.0% 26,611	0.0% 0	99.0% 26,611
	Ignore* (11) 22,390,111 / 39.3%	29.5%	3.8%	0.6%	2.4%	10.2%	12.0%	7.6%	27.0%	1.1%	5.6%	0.2% 37,089	0.0% 0	0.0% 0
	precision	90.1%	91.4%	89.9%	76.5%	97.5%	87.4%	53.5%	94.9%	92.5%	90.2%	51.9% 26,611	nan% 0	90.0%
F1 μ=85.3%	89.3%	89.2%	90.9%	75.3%	95.2%	89.9%	64.5%	96.0%	88.9%	91.2%	68.1%	nan%		
	Low Veg. (0) 8,834,058 / 15.5%	Imp. Surface (1) 4,617,322 / 8.1%	Vehicle (2) 303,649 / 0.5%	Urban Furn. (3) 1,211,595 / 2.1%	Roof (4) 3,116,822 / 5.5%	Facade (5) 1,961,945 / 3.4%	Shrub (6) 1,484,441 / 2.6%	Tree (7) 7,874,441 / 13.8%	Soil / Gravel (8) 3,490,089 / 6.1%	Vertical (9) 1,679,976 / 2.9%	Chimney (10) 51,235 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	prediction													