

## Confusion Matrix

ground truth	Low Veg. (0) 8,954,212 / 15.7%	89.8%	4.0%	0.0% 4,335	1.1% 97,804	0.0% 4,441	0.1% 11,889	2.5%	1.3%	0.6% 53,659	0.4% 36,365	0.0% 43	0.0% 0	89.8%
	Imp. Surface (1) 4,823,743 / 8.4%	4.9%	91.5%	0.4% 21,583	1.3% 62,588	0.2% 8,968	0.5% 23,659	0.3% 14,222	0.2% 7,644	0.2% 11,130	0.4% 21,353	0.0% 49	0.0% 0	91.5%
	Vehicle (2) 296,371 / 0.5%	0.2% 597	0.7% 1,998	95.8%	2.4% 7,040	0.0% 70	0.0% 19	0.3% 941	0.5% 1,585	0.9% 95	0.0% 54	0.0% 0	0.0% 0	95.8%
	Urban Furn. (3) 1,238,343 / 2.2%	1.7% 21,508	2.0% 24,236	1.6% 20,171	72.5%	1.0% 12,335	2.0% 24,744	15.4%	3.5% 43,145	0.0% 202	0.3% 4,182	0.0% 46	0.0% 0	72.5%
	Roof (4) 3,298,154 / 5.8%	0.5% 18,063	1.0% 31,548	0.1% 3,240	1.8% 59,408	92.9%	1.1% 36,680	0.2% 6,654	1.3% 43,789	0.5% 17,743	0.0% 360	0.5% 15,384	0.0% 0	92.9%
	Facade (5) 1,870,490 / 3.3%	0.4% 7,278	1.2% 23,322	0.2% 3,264	5.6%	2.9% 54,803	86.8%	0.9% 16,939	1.4% 27,046	0.1% 1,037	0.5% 5,024	0.3% 3,104	0.0% 0	86.8%
	Shrub (6) 977,520 / 1.7%	2.9% 28,158	0.4% 3,487	0.2% 1,618	3.4% 33,363	0.2% 2,395	0.6% 5,619	82.6%	9.2% 90,163	0.0% 237	0.5% 4,607	0.0% 21	0.0% 0	82.6%
	Tree (7) 7,746,436 / 13.6%	0.3% 23,607	0.0% 177	0.1% 6,784	0.1% 8,804	0.2% 14,239	0.1% 4,472	2.3%	96.9%	0.0% 71	0.0% 656	0.0% 1,803	0.0% 0	96.9%
	Soil / Gravel (8) 3,740,771 / 6.5%	12.3%	4.5%	0.1% 4,039	0.2% 6,302	0.0% 228	0.3% 209	0.1% 5,152	0.1% 2,023	82.7%	0.0% 543	0.0% 49	0.0% 0	82.7%
	Vertical (9) 1,642,107 / 2.9%	2.0% 33,064	1.0% 16,872	0.0% 249	0.6% 9,302	0.0% 344	0.7% 11,141	6.5%	1.5% 23,971	0.0% 144	87.7%	0.0% 22	0.0% 0	87.7%
	Chimney (10) 27,395 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.0% 0	1.1% 289	0.1% 17	0.0% 0	0.2% 49	0.0% 0	0.0% 0	98.7% 27,040	0.0% 0	98.7% 27,040
	Ignore* (11) 22,526,878 / 39.4%	31.3%	4.5%	0.7%	3.2%	11.5%	10.0%	7.8%	26.0%	0.5%	4.2%	0.2% 40,710	0.0% 0	0.0% 0
precision	90.6%	87.5%	81.3%	69.8%	96.9%	93.2%	52.0%	95.4%	97.3%	95.2%	56.9% 27,040	nan%	0	90.1%
F1 μ=85.1%	90.2%	89.5%	88.0%	71.1%	94.9%	89.9%	63.8%	96.2%	89.4%	91.3%	72.1%	nan%		
	Low Veg. (0) 8,870,252 / 15.5%	Imp. Surface (1) 5,045,435 / 8.8%	Vehicle (2) 349,235 / 0.6%	Urban Furn. (3) 1,280,882 / 2.3%	Roof (4) 3,163,397 / 5.5%	Facade (5) 1,742,514 / 3.0%	Shrub (6) 1,553,652 / 2.7%	Tree (7) 7,867,028 / 13.8%	Soil / Gravel (8) 3,176,649 / 5.6%	Vertical (9) 1,512,617 / 2.6%	Chimney (10) 47,561 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	Low Veg. (0)	Imp. Surface (1)	Vehicle (2)	Urban Furn. (3)	Roof (4)	Facade (5)	Shrub (6)	Tree (7)	Soil / Gravel (8)	Vertical (9)	Chimney (10)	Ignore (11)		