

## Confusion Matrix

ground truth	Low Veg. (0) 8,998,113 / 15.7%	77.3%	11.3%	0.2% 16,720	1.1% 96,245	0.5% 49,331	0.5% 43,712	1.9%	2.5%	4.2%	0.5% 46,540	0.0% 10	0.0% 0	77.3%
	Imp. Surface (1) 4,814,626 / 8.4%	2.4%	91.7%	0.4% 21,251	1.4% 65,039	1.2% 59,613	1.4% 66,090	0.2% 8,396	0.2% 8,438	0.5% 24,392	0.6% 31,242	0.0% 30	0.0% 0	91.7%
	Vehicle (2) 298,248 / 0.5%	0.8% 2,396	2.5% 7,541	79.0%	14.3% 42,518	1.1% 3,423	0.9% 2,743	0.8% 2,384	0.1% 166	0.1% 212	0.4% 1,296	0.0% 4	0.0% 0	79.0%
	Urban Furn. (3) 1,247,917 / 2.2%	2.3% 29,255	3.1% 38,623	7.2% 89,721	59.3%	2.8% 34,550	5.9% 73,908	14.0%	4.7% 58,464	0.0% 344	0.7% 8,893	0.0% 351	0.0% 0	59.3%
	Roof (4) 3,294,619 / 5.8%	0.2% 7,523	1.1% 37,450	0.2% 6,955	2.1% 67,994	90.6%	2.5% 83,472	0.2% 7,245	1.9% 61,971	0.4% 13,968	0.0% 457	0.7% 22,405	0.0% 0	90.6%
	Facade (5) 1,871,307 / 3.3%	0.2% 3,341	0.7% 13,861	0.0% 530	3.4% 64,137	2.0% 38,344	91.8%	0.5% 10,280	0.8% 15,244	0.2% 128	0.3% 5,296	0.1% 2,671	0.0% 0	91.8%
	Shrub (6) 980,269 / 1.7%	4.0% 39,105	0.5% 5,365	0.5% 4,901	6.3% 61,871	1.1% 10,425	2.6% 25,675	58.1%	26.3%	0.0% 415	0.6% 5,451	0.0% 124	0.0% 0	58.1%
	Tree (7) 7,768,464 / 13.6%	0.4% 27,673	0.0% 1,113	0.2% 12,089	0.5% 35,097	1.5%	0.5% 42,726	2.0%	94.7%	0.0% 1,077	0.1% 6,109	0.1% 8,851	0.0% 0	94.7%
	Soil / Gravel (8) 3,741,245 / 6.5%	6.4%	15.8%	0.1% 4,679	0.2% 8,434	0.1% 1,917	0.4% 309	0.1% 3,405	0.1% 3,535	77.2%	0.0% 999	0.0% 1	0.0% 0	77.2%
	Vertical (9) 1,644,660 / 2.9%	1.5% 25,298	0.9% 15,551	0.0% 450	1.3% 21,913	0.1% 2,207	5.3% 87,556	6.4%	5.4% 89,113	0.3% 5,048	78.6%	0.0% 0	0.0% 0	78.6%
	Chimney (10) 27,142 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.1% 30	2.6% 700	6.9% 1,867	0.0% 5	0.3% 92	0.0% 0	0.0% 0	90.1% 24,448	0.0% 0	90.1% 24,448
	Ignore* (11) 22,556,821 / 39.4%	26.3%	6.1%	0.7%	3.4%	11.5%	13.1%	6.7%	26.4%	2.2%	3.4%	0.2% 49,942	0.0% 0	0.0% 0
precision	93.4%	71.9%	60.0%	61.5%	90.4%	80.0%	47.0%	91.1%	87.3%	92.4%	41.5% 24,448	nan%	0	84.1%
F1 μ=76.2%	84.6%	80.6%	68.2%	60.4%	90.5%	85.5%	51.9%	92.9%	81.9%	85.0%	56.8%	nan%		
	Low Veg. (0) 7,446,019 / 13.0%	Imp. Surface (1) 6,140,097 / 10.7%	Vehicle (2) 392,861 / 0.7%	Urban Furn. (3) 1,202,998 / 2.1%	Roof (4) 3,301,973 / 5.8%	Facade (5) 2,145,573 / 3.9%	Shrub (6) 1,211,380 / 2.1%	Tree (7) 8,078,700 / 14.1%	Soil / Gravel (8) 3,308,289 / 5.8%	Vertical (9) 1,399,223 / 2.4%	Chimney / (10) 58,895 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	77.3%	91.7%	79.0%	59.3%	90.6%	91.8%	58.1%	94.7%	77.2%	78.6%	90.1%	0.0%	77.3%	