

## Confusion Matrix

ground truth	Low Veg. (0) 12,418,990 / 19.9%	85.9%	4.7%	0.2% 24,640	1.4%	0.0% 4,588	0.3% 34,030	2.4%	0.5% 57,280	3.7%	1.0%	0.0% 1,027	85.9%
	Imp. Surface (1) 5,166,718 / 8.3%	4.8%	90.6%	0.6% 30,702	1.1% 58,499	0.1% 7,375	0.9% 47,296	0.1% 7,006	0.0% 1,459	0.9% 45,255	0.8% 41,098	0.0% 1,168	90.6%
	Vehicle (2) 505,677 / 0.8%	0.0% 183	0.2% 808	99.3%	0.2% 1,254	0.0% 13	0.0% 206	0.0% 29	0.0% 158	0.0% 154	0.0% 4	0.1% 630	99.3%
	Urban Furn. (3) 2,003,213 / 3.2%	2.2% 43,535	1.6% 32,132	7.7%	77.1%	0.2% 3,703	2.1% 41,286	7.4%	0.9% 18,373	0.0% 988	0.7% 13,102	0.1% 2,164	77.1%
	Roof (4) 4,041,222 / 6.5%	0.7% 30,287	0.3% 13,981	0.3% 12,524	2.2% 89,284	93.0%	1.4% 54,614	0.3% 12,322	0.7% 28,909	0.2% 9,217	0.0% 1,331	0.7% 29,087	93.0%
	Facade (5) 2,689,741 / 4.3%	0.8% 21,494	1.4% 37,974	0.7% 19,801	7.2%	1.3% 35,539	86.2%	0.9% 23,451	0.5% 14,544	0.0% 471	0.7% 19,660	0.2% 6,241	86.2%
	Shrub (6) 2,676,435 / 4.3%	4.6%	0.2% 4,535	1.7% 46,465	6.1%	0.1% 3,949	0.4% 9,944	78.2%	6.7%	0.1% 1,615	1.9% 50,959	0.1% 2,497	78.2%
	Tree (7) 26,559,637 / 42.5%	0.9%	0.0% 412	0.2% 56,155	0.2% 59,448	0.0% 13,047	0.0% 12,974	3.5%	94.5%	0.0% 6,482	0.5%	0.1% 15,540	94.5%
	Soil / Gravel (8) 4,168,011 / 6.7%	3.5%	3.2%	0.2% 9,496	0.2% 7,708	0.1% 2,520	0.0% 692	0.0% 1,947	0.1% 3,719	92.7%	0.0% 716	0.0% 396	92.7%
	Vertical (9) 2,226,626 / 3.6%	1.3% 28,493	0.5% 11,036	0.1% 1,241	0.6% 12,657	0.0% 30	0.6% 13,930	1.9% 41,787	0.1% 3,157	0.1% 1,175	94.9%	0.0% 506	94.9%
	Chimney (10) 33,532 / 0.1%	0.0% 0	0.0% 0	0.0% 0	0.0% 8	0.6% 188	0.2% 65	0.0% 0	0.0% 12	0.0% 0	0.0% 0	99.2% 33,259	99.2% 33,259
precision	92.5%	85.2%	58.6%	67.2%	98.1%	91.5%	58.7%	98.8%	88.0%	85.2%	35.9% 33,259	90.7%	
F1 $\mu=82.1\%$	89.1%	87.8%	73.7%	71.8%	95.5%	88.8%	67.0%	96.6%	90.3%	89.8%	52.8%		
	Low Veg. (0) 11,529,149 / 18.4%	Imp. Surface (1) 5,497,099 / 8.8%	Vehicle (2) 857,230 / 1.4%	Urban Furn. (3) 2,298,438 / 3.7%	Roof (4) 3,830,618 / 6.1%	Facade (5) 2,532,857 / 4.1%	Shrub (6) 3,564,792 / 5.7%	Tree (7) 25,416,744 / 40.7%	Soil / Gravel (8) 4,300,135 / 7.0%	Vertical (9) 2,480,125 / 4.0%	Chimney (10) 92,515 / 0.1%	recall	
	prediction												