Confusion Matrix

ground truth \ prediction	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)	recall
Low Veg. (0) 17,759,927 / 34.3%	95.9%	2.0% 2,546	0.0% 0	0.5% 86,653	0.0% 0	0.1% 20,115	0.5% 94,108	0.2% 27,124	0.8%	0.0% 4,461	0.0% 5	95.9%
Imp. Surface (1) 12,470,923 / 24.1%	6.6%	90.2%	0.4% 45,450	0.3% 40,066	0.2% 26,206	0.4% 54,041	0.0% 5,155	0.0% 1,189	1.7%	0.0% 5,580	0.0% 10	90.2%
Vehicle (2) 324,344 / 0.6%	1.2% 3,807	0.3% 844	62.2%	23.7% 76,942	5.8% 18,755	0.7% 2,147	4.3% 14,101	1.9% 6,152	0.0% 4	0.0%	0.0%	62.2%
Urban Furn. (3) 1,083,409 / 2.1%	6.6% 71,776	3.2% 34,151	5.2% 55,854	64.8%	4.2% 45,831	3.5% 37,645	8.1% 87,930	2.0% 22,112	0.1% 1,021	2.1% 22,344	0.2% 2,419	64.8%
Roof (4) 8,814,118 / 17.0%	0.4% 39,261	1.1% 96,028	0.0% 2,490	1.5%	95.5%	0.7% 61,020	0.1% 10,787	0.2% 15,759	0.1% 11,602	0.0% 1,802	0.2% 21,878	95.5%
Facade (5) 1,478,604 / 2.9%	1.2% 17,210	2.8% 41,391	0.0% 618	9.3%	3.2% 46,972	80.8%	0.7% 10,846	0.7% 10,848	0.0% 44	1.0% 15,384	0.3% 3,834	80.8%
Shrub (6) 815,237 / 1.6%	8.1% 66,342	0.1% 1,038	0.0% 166	7.2% 58,512	0.7% 5,544	0.3% 2,322	73.4%	9.1% 74,496	0.0% 46	1.0% 8,401	0.0% 45	73.4%
Tree (7) 5,064,013 / 9.8%	0.2% 12,108	0.0% 104	0.0% 387	0.6% 29,389	0.1% 3,027	0.0% 1,364	2.0%	97.1%	0.0% 14	0.0% 3	0.0% 423	97.1%
Soil / Gravel (8) 3,535,668 / 6.8%	29.9%	35.9%	0.0% 66	1.8% 64,649	0.2% 6,460	0.1% 3,733	0.1% 3,409	0.0% 4	31.9%	0.1% 4,672	0.0%	31.9%
Vertical (9) 355,120 / 0.7%	3.3% 11,830	3.8% 13,610	0.2% 626	12.1% 42,871	0.0% 12	4.5% 15,974	0.5% 1,787	0.1% 186	0.0% 0	75.5%	0.0% 14	75.5%
Chimney (10) 43,395 / 0.1%	0.0% 0	0.0% 14	0.1% 23	1.3% 567	1.6% 676	0.2% 71	0.0% 0	0.0% 0	0.0% 0	0.0% 0	96.9% 42,044	96.9% 42,044
precision	89.0%	86.2%	65.1%	51.2%	98.2%	85.8%	64.5%	96.9%	75.6%	81.1%	59.5% 42,044	88.4%
F1 μ=76.7%	92.3%	88.2%	63.6%	57.2%	96.9%	83.2%	68.6%	97.0%	44.8%	78.2%	73.7%	

Column totals (prediction):
Low Veg. (0) 19,140,018 / 37.0%; Imp. Surface (1) 13,062,136 / 25.2%; Vehicle (2) 309,818 / 0.6%; Urban Furn. (3) 1,371,893 / 2.7%; Roof (4) 8,574,217 / 16.6%; Facade (5) 1,392,728 / 2.7%; Shrub (6) 928,049 / 1.8%; Tree (7) 5,073,463 / 9.8%; Soil / Gravel (8) 1,490,907 / 2.9%; Vertical (9) 330,851 / 0.6%; Chimney (10) 70,672 / 0.1%