

Confusion Matrix

ground truth

Low Veg. (0) 910,596 / 11.2%	60.7%	26.3%	0.2%	2.7%	3.9%	1.2%	2.0%	0.4%	2.1%	0.5%	0.0%	0.0%	60.7%
Imp. Surface (1) 833,163 / 10.3%	19.3%	64.1%	0.5%	3.6%	7.3%	2.1%	0.6%	0.3%	0.4%	1.6%	0.0%	0.0%	64.1%
Vehicle (2) 96,807 / 1.2%	6.6%	12.8%	22.5%	14.4%	4.8%	3.2%	8.8%	25.9%	0.0%	0.9%	0.0%	0.0%	22.5%
Urban Furn. (3) 269,121 / 3.3%	6,423	12,416	21,749	13,944	4,653	3,123	8,484	25,055	42	917	1	0	21,749
Roof (4) 877,490 / 10.8%	3.4%	1.2%	2.1%	37.5%	5.7%	14.5%	14.9%	18.7%	0.0%	1.9%	0.1%	0.0%	37.5%
	9,180	3,223	5,535	15,283	38,940	40,032	50,425	66	5,222	311	0	0	
Facade (5) 500,492 / 6.2%	0.6%	0.4%	0.0%	1.1%	94.1%	2.3%	0.3%	0.9%	0.0%	0.0%	0.3%	0.0%	94.1%
	4,908	3,576	422	9,704	20,267	2,325	7,941	90	230	2,723	0	0	
Shrub (6) 182,133 / 2.2%	0.3%	0.6%	0.2%	2.1%	3.2%	88.7%	2.2%	0.6%	0.1%	1.9%	0.2%	0.0%	88.7%
	1,654	3,082	840	10,456	15,839	10,909	3,094	252	9,692	954	0	0	
Tree (7) 1,067,121 / 13.2%	1.2%	1.0%	1.6%	16.4%	4.1%	6.8%	39.3%	25.7%	0.0%	3.8%	0.0%	0.0%	39.3%
	2,207	1,864	2,893	29,805	7,448	12,455	71,557	46,890	14	6,975	25	0	71,557
Soil / Gravel (8) 131,349 / 1.6%	0.2%	0.0%	0.1%	0.9%	2.3%	2.8%	5.7%	88.0%	0.0%	0.0%	0.1%	0.0%	88.0%
	2,202	29	751	9,303	24,959	29,423	60,408	57	174	705	0	0	
Vertical (9) 103,575 / 1.3%	36.5%	59.1%	0.0%	0.4%	1.7%	0.3%	0.8%	0.1%	1.1%	0.0%	0.0%	0.0%	1.1%
	47,997	77,580	22	476	2,290	1,020	184	1,381	26	10	0	0	1,381
Chimney (10) 8,971 / 0.1%	2.3%	1.7%	0.2%	3.2%	1.1%	56.0%	1.2%	5.6%	0.0%	28.8%	0.0%	0.0%	28.8%
	2,360	1,709	226	3,321	1,095	58,021	1,208	5,761	7	29,863	4	0	29,863
Ignore* (11) 3,126,819 / 38.6%	0.0%	0.0%	0.5%	0.5%	6.4%	1.3%	0.0%	0.5%	0.0%	0.0%	90.8%	0.0%	90.8%
	0	0	45	42	576	117	2	47	0	0	8,142	0	8,142
precision	13.0%	2.2%	0.4%	2.6%	8.2%	14.8%	8.4%	47.8%	0.1%	2.4%	0.1%	0.0%	0.0%
	67,244	13,541	80,021	8,021	8,2%	14,8%	8,4%	47,8%	2,389	74,480	3,536	0	0
F1 $\mu=54.5\%$	69.9%	60.9%	56.5%	43.4%	83.0%	69.8%	32.6%	86.6%	5.5%	42.1%	63.0%	nan%	70.8%
	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	0	0

prediction

Low Veg. (0)
790,516 / 9.8%
Imp Surface (1)
817,119 / 10.8%
Vehicle (2)
38,516 / 0.5%
Urban Furn. (3)
232,275 / 2.9%
Roof (4)
994,223 / 12.3%
Facade (5)
635,236 / 7.8%
Shrub (6)
219,567 / 2.7%
Tree (7)
1,084,436 / 13.4%
Soil / Gravel (8)
24,977 / 0.3%
Vertical (9)
70,912 / 0.9%
Chimney (10)
12,921 / 0.2%
Ignore (11)
0 / 0.0%
recall