

Confusion Matrix

ground truth	Low Veg. (0) 8,975,470 / 15.7%	84.4%	3.9%	0.0% 2,842	1.8%	1.4%	0.4% 36,690	2.1%	1.5%	3.6%	0.8% 76,193	0.0% 0	0.0% 0	84.4%
	Imp. Surface (1) 4,814,547 / 8.4%	3.4%	91.0%	0.3% 14,462	1.1% 51,704	1.0% 49,351	1.4% 69,079	0.1% 4,954	0.1% 5,048	1.0% 47,283	0.6% 31,040	0.0% 63	0.0% 0	91.0%
	Vehicle (2) 297,395 / 0.5%	0.0% 3	0.1% 346	97.2%	0.7% 2,157	0.3% 804	0.2% 590	0.0% 36	1.1% 3,324	0.3% 957	0.0% 7	0.0% 0	0.0% 0	97.2%
	Urban Furn. (3) 1,237,764 / 2.2%	1.6% 19,616	0.6% 7,677	0.8% 9,814	79.8%	2.0% 24,668	4.7% 58,386	7.0% 87,010	2.7% 33,322	0.1% 1,724	0.5% 6,427	0.1% 1,832	0.0% 0	79.8%
	Roof (4) 3,280,378 / 5.7%	0.0% 605	0.1% 1,951	0.1% 1,743	0.5% 18,020	97.0%	1.7% 55,880	0.0% 1,023	0.4% 12,563	0.0% 2	0.0% 1,181	0.2% 5,968	0.0% 0	97.0%
	Facade (5) 1,862,021 / 3.3%	0.1% 1,774	0.7% 12,624	0.1% 315	2.3% 43,141	3.1% 58,540	92.7%	0.3% 5,378	0.3% 5,448	0.0% 4	0.4% 7,719	0.1% 1,532	0.0% 0	92.7%
	Shrub (6) 978,752 / 1.7%	2.5% 24,714	0.3% 2,534	0.0% 76	3.8% 37,567	0.9% 8,412	1.5% 14,403	69.0%	20.4%	0.1% 648	1.5% 14,641	0.0% 289	0.0% 0	69.0%
	Tree (7) 7,754,205 / 13.6%	0.1% 6,611	0.0% 152	0.0% 2,127	0.1% 11,205	0.3% 22,690	0.1% 8,485	0.9% 70,506	98.1%	0.0% 932	0.3% 20,323	0.1% 3,885	0.0% 0	98.1%
	Soil / Gravel (8) 3,745,082 / 6.6%	3.0%	0.9% 33,767	0.2% 6,241	0.1% 11,031	0.0% 270	0.0% 689	1.0% 1,465	0.1% 4,778	95.4%	0.0% 88	0.0% 0	0.0% 0	95.4%
	Vertical (9) 1,630,899 / 2.9%	0.4% 6,229	1.2% 19,254	0.0% 333	0.2% 3,371	0.4% 7,313	1.0% 16,349	1.3% 21,865	2.8% 46,234	0.1% 1,584	92.5%	0.0% 0	0.0% 0	92.5%
	Chimney (10) 27,309 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.0% 3	2.3% 633	0.1% 39	0.0% 11	0.0% 0	0.0% 0	0.0% 0	97.5% 26,623	0.0% 0	97.5% 26,623
	Ignore* (11) 22,565,213 / 39.5%	9.3%	2.8%	0.9%	6.1%	22.7%	11.9%	1.4%	36.9%	7.1%	1.0%	0.0% 10,972	0.0% 0	0.0% 0
precision	95.8%	91.0%	88.4%	74.5%	91.5%	86.9%	63.8%	94.5%	90.5%	90.5%	66.2% 26,623	nan% 0	91.1%	
F1 μ=87.3%	89.7%	91.0%	92.6%	77.0%	94.2%	89.7%	66.3%	96.3%	92.9%	91.5%	78.9%	nan%		
	Low Veg (0) 7,912,671 / 13.8%	Imp Surface (1) 4,810,064 / 8.4%	Vehicle (2) 327,124 / 0.6%	Urban Furn (3) 1,225,460 / 2.3%	Roof (4) 3,477,238 / 6.1%	Facade (5) 1,986,136 / 3.5%	Shrub (6) 1,059,275 / 1.9%	Tree (7) 8,050,896 / 14.1%	Soil / Gravel (8) 3,949,184 / 6.9%	Vertical (9) 1,665,986 / 2.9%	Chimney (10) 40,192 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	Low Veg (0) 7,912,671 / 13.8%	Imp Surface (1) 4,810,064 / 8.4%	Vehicle (2) 327,124 / 0.6%	Urban Furn (3) 1,225,460 / 2.3%	Roof (4) 3,477,238 / 6.1%	Facade (5) 1,986,136 / 3.5%	Shrub (6) 1,059,275 / 1.9%	Tree (7) 8,050,896 / 14.1%	Soil / Gravel (8) 3,949,184 / 6.9%	Vertical (9) 1,665,986 / 2.9%	Chimney (10) 40,192 / 0.1%	Ignore (11) 0 / 0.0%		