

Confusion Matrix

ground truth	Low Veg. (0) 9,010,764 / 15.7%	91.8%	2.6%	0.0% 414	1.7%	0.0% 3,790	0.1% 13,081	2.0%	0.9% 78,932	0.5% 47,413	0.3% 24,108	0.0% 89	0.0% 0	91.8%
	Imp. Surface (1) 4,843,151 / 8.4%	4.8%	90.8%	0.3% 12,584	2.1%	0.2% 11,931	1.0% 49,963	0.3% 12,235	0.1% 5,371	0.2% 7,461	0.3% 14,738	0.0% 57	0.0% 0	90.8%
	Vehicle (2) 297,332 / 0.5%	0.6% 1,748	0.2% 542	80.8%	17.4% 51,844	0.2% 594	0.2% 497	0.1% 177	0.4% 1,197	0.2% 557	0.0% 0	0.0% 0	0.0% 0	80.8%
	Urban Furn. (3) 1,244,870 / 2.2%	1.6% 19,312	0.8% 9,382	0.2% 2,163	86.7%	0.6% 7,425	1.8% 22,781	6.8% 85,085	1.4% 18,007	0.0% 512	0.1% 1,040	0.0% 478	0.0% 0	86.7%
	Roof (4) 3,307,728 / 5.8%	0.2% 5,382	0.2% 6,699	0.1% 1,755	1.5% 49,585	94.3%	2.2% 73,917	0.1% 3,823	0.9% 30,749	0.0% 2	0.0% 612	0.4% 14,790	0.0% 0	94.3%
	Facade (5) 1,875,992 / 3.3%	0.2% 4,615	1.0% 18,629	0.0% 46	7.7%	1.5% 28,621	86.9%	0.5% 9,757	0.7% 12,404	0.0% 121	1.3% 24,895	0.1% 2,264	0.0% 0	86.9%
	Shrub (6) 981,488 / 1.7%	3.3% 31,938	0.2% 2,211	0.0% 7	4.3% 42,376	0.3% 3,378	0.5% 5,015	78.3%	12.8%	0.0% 116	0.3% 2,572	0.0% 29	0.0% 0	78.3%
	Tree (7) 7,809,987 / 13.6%	0.2% 15,699	0.0% 805	0.0% 31	0.4% 27,454	0.0% 2,290	0.0% 1,945	1.5%	97.8%	0.0% 130	0.0% 1,860	0.0% 789	0.0% 0	97.8%
	Soil / Gravel (8) 3,775,684 / 6.8%	10.0%	0.5% 17,571	0.0% 1,094	0.5% 19,007	0.0% 300	0.0% 1,336	2.56%	0.0% 703	88.9%	0.0% 91	0.0% 0	0.0% 0	88.9%
	Vertical (9) 1,630,410 / 2.8%	1.5% 24,588	1.7% 27,592	0.0% 9	0.4% 6,755	0.0% 390	4.3% 70,088	3.5% 57,718	2.8% 46,071	0.0% 472	85.7%	0.0% 0	0.0% 0	85.7%
	Chimney (10) 27,361 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.1% 31	0.5% 138	0.4% 97	0.1% 36	0.3% 80	0.0% 0	0.0% 0	98.6% 26,979	0.0% 0	98.6% 26,979
	Ignore* (11) 22,541,484 / 39.3%	9.6%	6.1%	0.3% 60,740	2.7%	6.1%	8.4%	1.7%	63.9%	0.5%	0.7%	0.1% 19,452	0.0% 0	0.0% 0
precision	92.1%	93.2%	93.0%	64.3%	98.1%	87.2%	62.0%	96.0%	98.3%	95.2%	59.3% 26,979	nan%	0	91.7%
F1 μ=86.5%	91.9%	92.0%	86.5%	73.8%	96.2%	87.1%	69.2%	96.9%	93.4%	90.2%	74.1%	nan%		
	Low Veg (0) 8,979,111 / 15.1%	Imp. Surface (1) 4,714,928 / 8.2%	Vehicle (2) 258,279 / 0.5%	Urban Furn (3) 1,677,496 / 2.9%	Roof (4) 3,179,271 / 5.5%	Facade (5) 1,868,912 / 3.3%	Shrub (6) 1,240,236 / 2.2%	Tree (7) 7,960,099 / 13.9%	Soil / Gravel (8) 3,414,691 / 6.0%	Vertical (9) 1,466,643 / 2.6%	Chimney (10) 45,475 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	prediction													