

Confusion Matrix

ground truth	Low Veg. (0) 9,012,061 / 15.8%	88.3%	4.7%	0.0% 42	1.5%	0.1% 4,870	0.3% 25,544	2.4%	1.3%	0.4% 33,589	1.1%	0.0% 0	0.0% 0	88.3%
	Imp. Surface (1) 4,816,315 / 8.4%	6.0%	90.7%	0.0% 1,230	1.3% 62,009	0.1% 3,004	0.9% 41,977	0.2% 11,211	0.1% 3,452	0.1% 3,108	0.7% 34,621	0.0% 3	0.0% 0	90.7%
	Vehicle (2) 295,729 / 0.5%	0.3% 972	3.5% 10,477	21.8% 64,383	66.1%	0.6% 1,791	2.6% 7,583	4.7% 14,033	0.1% 203	0.0% 112	0.3% 830	0.0% 0	0.0% 0	21.8% 64,383
	Urban Furn. (3) 1,241,327 / 2.2%	2.4% 29,462	2.6% 32,413	0.1% 730	71.5%	0.9% 11,216	7.0% 86,277	11.9%	2.2% 27,003	0.0% 163	1.5% 18,857	0.0% 0	0.0% 0	71.5%
	Roof (4) 3,257,822 / 5.7%	1.3% 41,845	0.9% 30,236	0.0% 1,434	3.1%	82.9%	2.2% 72,627	0.9% 29,387	7.9%	0.3% 10,324	0.1% 3,479	0.3% 6,888	0.0% 0	82.9%
	Facade (5) 1,836,315 / 3.2%	0.4% 6,621	1.2% 22,188	0% 97	3.6% 66,678	0.7% 13,318	89.7%	1.0% 17,610	1.8% 32,818	0% 27	1.6% 29,105	0.0% 414	0.0% 0	89.7%
	Shrub (6) 979,559 / 1.7%	3.9% 38,206	0.4% 3,923	0.0% 0	8.1% 78,934	0.2% 1,779	1.8% 17,221	73.8%	7.2% 70,536	0.0% 15	4.7% 46,388	0.0% 0	0.0% 0	73.8%
	Tree (7) 7,777,753 / 13.6%	0.8% 63,273	0.0% 282	0.0% 4	0.4% 33,797	0.1% 10,364	0.5% 35,215	5.2%	92.4%	0.0% 136	0.6% 44,675	0.0% 370	0.0% 0	92.4%
	Soil / Gravel (8) 3,760,340 / 6.6%	20.6%	5.3%	0% 66	0.4% 13,586	0.0% 930	0.1% 416	0.2% 8,334	0.0% 1,285	73.3%	0.1% 2,120	0.0% 0	0.0% 0	73.3%
	Vertical (9) 1,644,915 / 2.9%	1.4% 23,199	1.4% 23,780	0.0% 0	0.7% 11,403	0.0% 15	1.9% 30,627	5.0% 82,245	0.9% 15,606	0.0% 82	88.6%	0.0% 0	0.0% 0	88.6%
	Chimney (10) 26,728 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.2% 57	3.2% 847	8.8% 2,355	0.1% 25	3.4% 921	0.0% 0	0.0% 0	84.3% 22,523	0.0% 0	84.3% 22,523
	Ignore* (11) 22,548,615 / 39.4%	29.6%	5.4%	0.1% 15,391	4.1%	9.5%	11.9%	8.1%	25.0%	0.3% 75,888	5.8%	0.1% 24,603	0.0% 0	0.0% 0
	precision	86.3%	85.4%	94.7% 64,383	55.9%	98.2%	83.7%	43.8%	93.2%	98.3%	83.7%	70.0% 22,523	nan%	0
F1 μ=76.7%	87.3%	88.0%	35.4%	62.7%	89.9%	86.6%	55.0%	92.8%	84.0%	86.1%	76.4%	nan%		
	Low Veg (0) 9,223,073 / 16.1%	Imp. Surface (1) 5,116,145 / 8.9%	Vehicle (2) 67,986 / 0.1%	Urban Furn (3) 1,587,396 / 2.8%	Roof (4) 2,749,163 / 4.8%	Facade (5) 1,967,128 / 3.4%	Shrub (6) 1,649,089 / 2.9%	Tree (7) 7,709,579 / 13.5%	Soil / Gravel (8) 2,805,188 / 4.9%	Vertical (9) 1,741,466 / 3.0%	Chimney (10) 32,198 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	prediction													