

Confusion Matrix

ground truth	Low Veg. (0) 9,009,443 / 15.7%	56.4%	28.7%	0.1% 5,445	4.1%	0.4% 33,931	0.1% 8,328	1.3%	0.8% 68,999	7.0%	1.3%	0.0% 5	0.0% 0	56.4%
	Imp. Surface (1) 4,822,956 / 8.4%	21.2%	71.0%	0.3% 12,436	1.6% 78,525	0.2% 8,517	0.4% 18,654	0.2% 11,151	0.2% 8,582	4.1%	0.9% 43,375	0.0% 22	0.0% 0	71.0%
	Vehicle (2) 298,353 / 0.5%	0.8% 2,454	2.6% 7,774	77.4%	6.0% 18,028	0.1% 426	0.0% 0	11.3% 33,695	1.2% 3,545	36	0.5% 1,581	0.0% 0	0.0% 0	77.4%
	Urban Furn. (3) 1,247,287 / 2.2%	3.9% 48,661	1.0% 12,986	0.5% 6,531	62.1%	1.0% 12,269	1.3% 16,053	25.1%	3.9% 48,038	0.1% 709	1.2% 15,108	0.0% 117	0.0% 0	62.1%
	Roof (4) 3,315,421 / 5.8%	4.0%	0.5% 14,936	0.0% 761	3.1%	86.9%	0.9% 28,271	0.9% 29,172	3.5%	0.0% 112	0.1% 2,471	0.3% 9,505	0.0% 0	86.9%
	Facade (5) 1,882,601 / 3.3%	2.0% 38,277	0.2% 4,655	0.0% 625	5.3% 98,973	2.3% 43,912	78.7%	4.6% 87,129	2.9% 54,515	0.0% 432	2.5% 46,323	1.4% 26,834	0.0% 0	78.7%
	Shrub (6) 981,586 / 1.7%	2.5% 24,925	0.3% 3,033	0.2% 2,385	25.2%	0.5% 5,024	0.9% 8,720	59.0%	9.4% 92,759	0.0% 145	1.8% 18,148	0.0% 80	0.0% 0	59.0%
	Tree (7) 7,765,461 / 13.6%	0.5% 39,110	0.0% 320	0.0% 2,208	0.7% 55,209	0.6% 48,333	0.2% 13,607	4.5%	93.2%	0.0% 6	0.2% 14,230	0.1% 4,747	0.0% 0	93.2%
	Soil / Gravel (8) 3,764,057 / 6.6%	22.3%	7.7%	0.2% 6,163	19.0% 1,954	0.0% 1,033	0.9% 99	0.1% 2,230	0.0% 1,501	69.1%	0.0% 1,226	0.0% 0	0.0% 0	69.1%
	Vertical (9) 1,636,793 / 2.9%	1.0% 17,110	0.9% 14,537	0.0% 308	1.8% 29,499	0.0% 751	0.3% 5,576	6.0% 97,539	0.7% 11,211	0.0% 425	89.2%	0.0% 0	0.0% 0	89.2%
	Chimney (10) 27,471 / 0.0%	0.0% 1	0.0% 0	0.0% 0	0.0% 1	4.6% 1,262	0.3% 72	0.2% 48	0.8% 207	0.0% 0	0.0% 0	94.2% 25,880	0.0% 0	94.2% 25,880
	Ignore* (11) 22,533,321 / 39.3%	24.5%	8.6%	0.7%	5.4%	11.7%	9.6%	8.5%	24.1%	0.4% 79,051	6.3%	0.3% 69,869	0.0% 0	0.0% 0
precision	70.1%	53.9%	86.2%	43.3%	94.9%	93.7%	35.8%	94.7%	75.8%	84.8%	38.5% 25,880	nan%	0	74.2%
F1 μ=71.4%	62.5%	61.2%	81.6%	51.0%	90.7%	85.5%	44.6%	93.9%	72.3%	86.9%	54.7%	nan%		
	Low Veg (0) 7,245,551 / 12.6%	Imp. Surface (1) 6,352,370 / 11.1%	Vehicle (2) 267,650 / 0.5%	Urban Furn (3) 1,189,693 / 2.1%	Roof (4) 3,036,927 / 5.3%	Facade (5) 1,580,331 / 2.8%	Shrub (6) 1,619,174 / 2.8%	Tree (7) 7,658,974 / 13.3%	Soil / Gravel (8) 3,432,543 / 6.0%	Vertical (9) 1,721,423 / 3.0%	Chimney (10) 67,190 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	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)	Ignore (11)		