

Confusion Matrix

ground truth	Low Veg. (0) 8,987,942 / 15.7%	76.4%	2.6%	0.1% 4,511	0.9% 84,686	0.1% 10,136	0.1% 11,913	2.6%	1.9%	15.0%	0.3% 27,486	0.0% 0	0.0% 0	76.4%
	Imp. Surface (1) 4,825,655 / 8.5%	4.6%	80.5%	0.4% 19,605	1.0% 50,637	0.2% 7,608	0.7% 33,175	0.4% 17,410	0.2% 8,283	11.1%	1.0% 46,140	0.0% 0	0.0% 0	80.5%
	Vehicle (2) 293,978 / 0.5%	0.2% 651	0.6% 1,901	85.4%	11.5% 33,762	0.2% 484	0.1% 329	1.7% 4,919	0.1% 250	0.2% 640	0.0% 47	0.0% 0	0.0% 0	85.4%
	Urban Furn. (3) 1,246,733 / 2.2%	2.5% 30,664	2.1% 26,759	0.6% 7,962	65.9%	0.7% 9,305	2.1% 26,117	22.8%	2.0% 24,878	0.2% 3,040	1.0% 12,009	0.0% 2	0.0% 0	65.9%
	Roof (4) 3,266,135 / 5.7%	0.6% 19,676	0.7% 22,561	0.2% 6,732	3.1%	85.9%	1.9% 62,903	1.6% 51,602	5.4%	0.1% 3,710	0.0% 1,203	0.4% 12,856	0.0% 0	85.9%
	Facade (5) 1,847,262 / 3.2%	0.5% 9,989	1.5% 26,942	0.0% 782	6.7%	1.0% 17,693	85.7%	2.1% 37,909	1.1% 21,230	0.1% 1,050	1.2% 22,270	0.1% 2,157	0.0% 0	85.7%
	Shrub (6) 979,829 / 1.7%	3.8% 37,359	0.2% 2,426	0.0% 97	3.1% 29,947	0.2% 2,239	0.8% 8,152	83.2%	7.6% 74,666	0.2% 1,928	0.8% 7,356	0.0% 0	0.0% 0	83.2%
	Tree (7) 7,777,698 / 13.6%	0.4% 27,517	0.0% 84	0.0% 3,227	0.2% 14,975	0.2% 15,454	0.1% 6,452	4.5%	94.6%	0.0% 702	0.0% 3,314	0.0% 247	0.0% 0	94.6%
	Soil / Gravel (8) 3,759,113 / 6.6%	2.4% 88,588	2.5% 93,413	0.1% 3,828	0.1% 5,364	0.0% 1,699	0.0% 230	0.2% 6,323	0.1% 1,917	94.6%	0.0% 642	0.0% 9	0.0% 0	94.6%
	Vertical (9) 1,645,118 / 2.9%	1.8% 29,254	0.9% 15,261	0.0% 0	0.2% 4,077	0.0% 36	0.3% 5,557	7.3%	1.6% 25,920	0.2% 3,824	87.6%	0.0% 0	0.0% 0	87.6%
	Chimney (10) 26,596 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.3% 84	1.6% 427	2.1% 566	0.2% 54	10.7% 2,843	0.0% 0	0.0% 0	85.1% 22,622	0.0% 0	85.1% 22,622
	Ignore* (11) 22,424,549 / 39.3%	27.6%	3.5%	0.6%	3.3%	10.3%	10.8%	9.6%	25.0%	4.7%	4.5%	0.1% 31,253	0.0% 0	0.0% 0
	precision	93.6%	90.2%	84.3%	64.6%	97.7%	91.1%	42.5%	93.5%	65.3%	92.3%	59.7% 22,622	nan% 0	84.8%
	F1 μ=80.6%	84.1%	85.1%	84.8%	65.3%	91.4%	88.3%	56.2%	94.0%	77.2%	89.9%	70.2%	nan%	
		Low Veg. (0) 7,334,785 / 12.8%	Imp. Surface (1) 4,307,325 / 7.5%	Vehicle (2) 297,739 / 0.5%	Urban Furn. (3) 1,272,629 / 2.2%	Roof (4) 2,869,656 / 5.0%	Facade (5) 1,730,160 / 3.0%	Shrub (6) 1,920,456 / 3.4%	Tree (7) 7,865,665 / 13.8%	Soil / Gravel (8) 5,450,717 / 9.5%	Vertical (9) 1,561,034 / 2.7%	Chimney (10) 37,895 / 0.1%	Ignore (11) 0 / 0.0%	recall

prediction