

Confusion Matrix

ground truth	Low Veg. (0) 8,999,481 / 15.7%	90.8%	5.2%	0.1% 12,347	0.9% 83,119	0.5% 46,460	0.2% 21,897	0.6% 51,157	0.5% 44,170	0.8% 72,619	0.4% 33,935	0.0% 20	0.0% 0	90.8%
	Imp. Surface (1) 4,832,220 / 8.4%	4.7%	92.3%	0.6% 28,013	0.6% 30,292	0.2% 11,680	0.7% 34,272	0.1% 5,120	0.0% 1,066	0.3% 12,279	0.4% 19,403	0.0% 27	0.0% 0	92.3%
	Vehicle (2) 298,296 / 0.5%	0.9% 2,610	1.0% 2,988	94.7%	2.5% 7,309	0.3% 925	0.5% 1,414	0.1% 256	0.0% 61	0.1% 231	0.0% 68	0.0% 12	0.0% 0	94.7%
	Urban Furn. (3) 1,246,206 / 2.2%	4.6% 57,254	4.4% 54,288	4.5% 56,145	68.0%	1.7% 21,150	4.8% 59,744	7.9% 98,951	2.4% 29,286	0.0% 317	1.7% 20,654	0.0% 408	0.0% 0	68.0%
	Roof (4) 3,299,171 / 5.8%	0.6% 19,422	0.9% 30,058	0.1% 4,922	1.7% 56,405	93.1%	1.6% 53,767	0.2% 7,772	1.0% 32,494	0.2% 5,418	0.1% 2,583	0.5% 15,996	0.0% 0	93.1%
	Facade (5) 1,870,929 / 3.3%	0.5% 8,491	2.0% 37,706	0.1% 1,737	3.0% 56,525	2.1% 38,505	90.1%	0.6% 11,399	0.3% 5,560	0.0% 78	1.2% 22,130	0.1% 2,317	0.0% 0	90.1%
	Shrub (6) 983,393 / 1.7%	10.9%	0.7% 7,236	0.2% 1,676	8.7% 85,839	0.5% 4,442	1.8% 17,824	63.6%	10.1% 98,956	0.0% 243	3.5% 34,742	0.0% 36	0.0% 0	63.6%
	Tree (7) 7,764,461 / 13.6%	2.4%	0.0% 2,005	0.0% 1,907	0.2% 15,680	2.9%	0.5% 35,273	2.8%	90.3%	0.1% 7,763	0.7% 56,019	0.0% 3,318	0.0% 0	90.3%
	Soil / Gravel (8) 3,742,571 / 6.5%	11.5%	4.7%	0.2% 7,295	0.1% 5,305	0.0% 1,592	0.0% 292	0.0% 786	0.0% 593	83.4%	0.0% 207	0.0% 92	0.0% 0	83.4%
	Vertical (9) 1,629,814 / 2.8%	5.0% 81,338	1.8% 29,513	0.0% 247	0.4% 6,720	0.0% 680	0.5% 8,851	3.2% 52,960	0.8% 12,291	0.0% 395	88.2%	0.0% 0	0.0% 0	88.2%
	Chimney (10) 27,186 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.1% 14	2.0% 550	1.8% 495	0.1% 17	0.3% 77	0.0% 0	0.0% 12	95.7% 26,021	0.0% 0	95.7% 26,021
	Ignore* (11) 22,562,667 / 39.4%	33.4%	4.7%	0.9%	2.4%	14.7%	11.9%	5.4%	21.8%	0.8%	3.9%	0.2% 47,691	0.0% 0	0.0% 0
precision		87.9%	84.7%	71.2%	71.0%	89.8%	87.8%	58.2%	96.9%	96.9%	88.3%	53.9% 26,021	nan% 0	88.6%
F1 $\mu=82.7\%$		89.3%	88.4%	81.3%	69.5%	91.4%	89.0%	60.8%	93.5%	89.6%	88.2%	69.0%	nan%	
		Low Veg. (0) 9,288,483 / 16.2%	Imp Surface (1) 5,166,903 / 9.2%	Vehicle (2) 390,711 / 0.7%	Urban Furn. (3) 1,195,217 / 2.1%	Roof (4) 3,420,464 / 6.0%	Facade (5) 1,920,310 / 3.4%	Shrub (6) 1,074,320 / 1.9%	Tree (7) 7,237,584 / 12.6%	Soil / Gravel (8) 3,218,917 / 5.6%	Vertical (9) 1,626,572 / 2.8%	Chimney (10) 48,247 / 0.1%	Ignore (11) 0 / 0.0%	recall

prediction