

Confusion Matrix

ground truth	Low Veg. (0) 8,996,998 / 15.7%	Imp. Surface (1) 4,832,695 / 8.4%	Vehicle (2) 295,541 / 0.5%	Urban Furn. (3) 1,246,304 / 2.2%	Roof (4) 3,310,270 / 5.8%	Facade (5) 1,879,972 / 3.3%	Shrub (6) 979,047 / 1.7%	Tree (7) 7,759,525 / 13.5%	Soil / Gravel (8) 3,764,396 / 6.6%	Vertical (9) 1,630,974 / 2.8%	Chimney (10) 27,425 / 0.0%	Ignore* (11) 22,569,813 / 39.4%	precision	F1 $\mu=85.2\%$	prediction
	87.4%	2.6%	0.1% 5,789	2.8%	0.1% 13,298	0.2% 18,391	2.0%	0.4% 33,895	3.6%	0.8% 72,910	0.0% 3	0.0% 0	87.4%		
	5.5%	89.6%	0.2% 8,572	1.6% 76,268	0.3% 13,044	0.8% 40,850	0.2% 7,585	0.1% 3,150	1.0% 46,219	0.9% 41,280	0.0% 55	0.0% 0	89.6%		
	0.0% 11	0.5% 1,386	94.8%	4.2% 12,416	0.1% 404	0.1% 258	0.0% 0	0.0% 57	0.2% 691	0.0% 81	0.0% 0	0.0% 0	94.8%		
	2.1% 25,780	1.0% 12,139	0.7% 8,335	84.8%	1.2% 14,751	2.4% 30,296	5.2% 65,134	1.9% 23,842	0.2% 2,579	0.5% 5,894	0.0% 225	0.0% 0	84.8%		
	0.2% 5,400	0.8% 26,853	0.1% 1,766	1.8% 60,622	94.6%	1.4% 45,454	0.1% 2,063	0.6% 19,006	0.0% 537	0.0% 892	0.5% 16,216	0.0% 0	94.6%		
	0.3% 4,848	1.0% 19,099	0.0% 134	7.1%	2.9% 54,000	87.4%	0.3% 6,125	0.4% 6,849	0.0% 71	0.5% 8,776	0.2% 3,452	0.0% 0	87.4%		
	3.1% 30,492	0.3% 2,607	0.0% 71	12.6%	0.3% 3,407	0.9% 8,636	71.2%	10.3%	0.1% 899	1.1% 10,898	0.0% 264	0.0% 0	71.2%		
	0.1% 8,130	0.0% 236	0.0% 1,129	0.7% 57,907	0.2% 13,803	0.1% 5,512	2.1%	96.4%	0.0% 1,979	0.2% 17,337	0.1% 6,187	0.0% 0	96.4%		
	4.7%	0.8% 29,945	0.3% 10,317	0.3% 12,476	0.0% 630	0.0% 420	0.0% 649	0.1% 3,293	93.7%	0.0% 177	0.0% 0	0.0% 0	93.7%		
	0.8% 13,518	0.8% 13,746	0.1% 1,040	0.4% 6,926	0.0% 114	1.8% 29,224	3.2% 52,050	0.8% 13,235	0.1% 1,914	91.9%	0.0% 0	0.0% 0	91.9%		
	0.0% 0	0.0% 0	0.0% 0	0.2% 47	4.2% 1,162	0.5% 126	0.0% 10	0.0% 11	0.0% 0	0.0% 0	95.1% 26,069	0.0% 0	95.1% 26,069		
	6.8%	1.8%	0.4% 98,709	6.7%	18.7%	14.2%	1.5%	29.9%	9.7%	10.2%	0.0% 10,301	0.0% 0	0.0% 0		
	93.7%	92.6%	88.3%	59.0%	96.5%	90.2%	59.5%	97.3%	90.3%	90.5%	49.7% 26,069	nan% 0	90.8%		
	90.4%	91.1%	91.4%	69.6%	95.5%	88.8%	64.8%	96.9%	92.0%	91.2%	65.3%	nan%			