

Confusion Matrix

ground truth	Low Veg. (0) 9,011,392 / 15.8%	83.3%	4.2%	0.1% 12,819	1.1% 97,577	0.1% 5,745	0.1% 8,026	3.8%	2.1%	4.9%	0.3% 28,713	0.0% 0	0.0% 0	83.3%
	Imp. Surface (1) 4,827,652 / 8.4%	5.4%	87.4%	0.6% 31,039	1.4% 67,433	0.2% 8,822	0.5% 25,029	0.5% 23,049	0.1% 7,010	3.0%	0.9% 41,311	0.0% 3	0.0% 0	87.4%
	Vehicle (2) 298,134 / 0.5%	0.4% 1,215	0.8% 2,247	93.4%	4.5% 13,529	0.3% 929	0.4% 85	0.4% 1,095	0.0% 116	0.1% 371	0.0% 24	0.0% 0	0.0% 0	93.4%
	Urban Furn. (3) 1,248,574 / 2.2%	2.8% 34,386	1.7% 21,258	7.8% 97,208	62.9%	0.9% 11,267	1.6% 19,632	18.8%	2.9% 35,944	0.2% 2,052	0.6% 7,286	0.0% 3	0.0% 0	62.9%
	Roof (4) 3,292,624 / 5.8%	0.4% 14,362	1.3% 41,158	0.3% 11,021	2.8% 92,879	88.0%	2.2% 72,181	0.5% 14,989	3.7%	0.7% 22,760	0.0% 820	0.2% 5,749	0.0% 0	88.0%
	Facade (5) 1,871,420 / 3.3%	0.8% 14,437	1.0% 19,388	0.2% 4,384	7.3%	1.3% 24,661	83.4%	2.1% 39,516	1.0% 19,577	0.0% 607	2.7% 49,758	0.0% 479	0.0% 0	83.4%
	Shrub (6) 981,181 / 1.7%	3.1% 30,610	0.2% 1,851	1.3% 12,379	4.7% 45,966	0.2% 1,758	0.5% 5,012	80.5%	8.9% 87,384	0.0% 490	0.6% 6,196	0.0% 1	0.0% 0	80.5%
	Tree (7) 7,728,148 / 13.5%	0.3% 23,221	0.0% 106	0.2% 18,025	0.2% 14,459	0.1% 9,115	0.1% 5,240	4.7%	94.3%	0.0% 384	0.1% 4,259	0.0% 477	0.0% 0	94.3%
	Soil / Gravel (8) 3,739,310 / 6.5%	4.6%	3.4%	0.1% 5,277	0.6% 6,950	0.0% 75	0.0% 180	0.1% 5,235	0.1% 4,453	91.4%	0.0% 479	0.0% 0	0.0% 0	91.4%
	Vertical (9) 1,635,397 / 2.9%	1.4% 22,702	0.9% 14,004	0.0% 699	1.2% 19,376	0.0% 70	0.1% 1,645	9.5%	1.0% 17,136	0.1% 1,623	85.7%	0.0% 0	0.0% 0	85.7%
	Chimney (10) 27,277 / 0.0%	0.0% 2	0.0% 0	0.0% 0	0.2% 58	5.2% 1,423	8.0% 2,182	0.1% 16	5.0% 1,363	0.0% 1	0.0% 0	81.5% 22,232	0.0% 0	81.5% 22,232
	Ignore* (11) 22,480,199 / 39.3%	27.8%	3.8%	1.0%	3.7%	10.1%	10.7%	11.3%	25.8%	2.1%	3.6%	0.1% 15,375	0.0% 0	0.0% 0
precision	92.9%	87.5%	59.1%	61.3%	97.8%	91.8%	40.1%	93.8%	84.7%	91.0%	76.8% 22,232	nan% 0		87.0%
F1 μ=81.2%	87.8%	87.4%	72.4%	62.1%	92.6%	87.4%	53.5%	94.1%	87.9%	88.3%	79.1%	nan%		
	Low Veg (0) 8,077,837 / 14.1%	Imp Surface (1) 4,826,631 / 8.4%	Vehicle (2) 471,374 / 0.8%	Urban Furn (3) 1,280,499 / 2.2%	Roof (4) 2,959,961 / 5.2%	Facade (5) 1,700,316 / 3.0%	Shrub (6) 1,968,347 / 3.4%	Tree (7) 7,769,784 / 13.6%	Soil / Gravel (8) 4,036,236 / 7.1%	Vertical (9) 1,541,160 / 2.7%	Chimney (10) 28,944 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	Low Veg (0) 8,077,837 / 14.1%	Imp Surface (1) 4,826,631 / 8.4%	Vehicle (2) 471,374 / 0.8%	Urban Furn (3) 1,280,499 / 2.2%	Roof (4) 2,959,961 / 5.2%	Facade (5) 1,700,316 / 3.0%	Shrub (6) 1,968,347 / 3.4%	Tree (7) 7,769,784 / 13.6%	Soil / Gravel (8) 4,036,236 / 7.1%	Vertical (9) 1,541,160 / 2.7%	Chimney (10) 28,944 / 0.1%	Ignore (11) 0 / 0.0%		