

# Confusion Matrix

ground truth

Low Veg. (0) 12,427,817 / 19.9%	87.6%	4.0%	0.0% 3,590	2.2%	0.1% 6,895	0.3% 35,007	2.3%	0.9%	1.9%	0.8% 99,855	0.0% 75	87.6%
Imp. Surface (1) 5,159,973 / 8.2%	5.0%	88.9%	0.2% 12,055	2.0%	0.2% 9,110	1.2% 59,744	0.1% 5,425	0.1% 4,042	1.9% 96,237	0.5% 26,314	0.0% 32	88.9%
Vehicle (2) 507,121 / 0.8%	0.1% 562	0.5% 2,345	93.6%	5.4% 27,340	0.1% 291	0.1% 488	0.1% 544	0.1% 298	0.1% 629	0.0% 0	0.0% 6	93.6%
Urban Furn. (3) 2,010,857 / 3.2%	1.6% 32,434	1.6% 32,239	0.8% 16,798	86.0%	0.3% 5,049	2.9% 57,396	5.6%	0.9% 17,134	0.0% 492	0.3% 6,914	0.3% 385	86.0%
Roof (4) 4,071,005 / 6.5%	0.3% 10,709	0.4% 14,529	0.1% 5,021	1.3% 53,103	92.1%	3.3%	0.1% 6,006	1.4% 57,258	0.3% 10,697	0.0% 1,792	0.7% 26,981	92.1%
Facade (5) 2,717,416 / 4.3%	0.2% 5,939	1.5% 41,828	0.1% 2,289	10.3%	1.0% 27,753	85.6%	0.4% 9,654	0.3% 8,693	0.0% 91	0.4% 10,706	0.2% 4,724	85.6%
Shrub (6) 2,675,005 / 4.3%	4.3%	0.2% 4,212	0.2% 4,417	13.4%	0.1% 3,179	0.4% 10,668	73.8%	7.0%	0.0% 332	0.6% 16,883	0.0% 216	73.8%
Tree (7) 26,554,194 / 42.4%	0.7%	0.0% 277	0.0% 4,542	0.5%	0.1% 15,262	0.1% 18,554	3.0%	95.5%	0.0% 1,170	0.1% 26,182	0.0% 11,385	95.5%
Soil / Gravel (8) 4,217,660 / 6.7%	11.7%	3.3%	0.1% 5,485	0.4% 15,847	0.0% 1,020	0.4% 488	0.1% 3,492	0.0% 1,055	84.3%	0.1% 3,026	0.0% 9	84.3%
Vertical (9) 2,202,012 / 3.5%	1.7% 36,486	0.7% 16,451	0.0% 68	1.9% 42,548	0.0% 408	3.2% 71,290	2.5% 55,476	1.8% 39,551	0.0% 99	88.1%	0.0% 13	88.1%
Chimney (10) 33,549 / 0.1%	0.0% 0	0.0% 0	0.1% 29	0.7% 232	0.8% 283	0.1% 38	0.1% 35	0.1% 20	0.0% 0	0.0% 0	98.1% 32,912	98.1% 32,912
precision	90.5%	86.0%	89.7%	57.2%	98.2%	85.7%	60.7%	98.4%	91.3%	91.0%	42.9% 32,912	90.5%
F1 $\mu=83.4\%$	89.0%	87.4%	91.6%	68.7%	95.1%	85.7%	66.6%	96.9%	87.7%	89.5%	59.7%	
	Low Veg. (0) 12,027,622 / 19.2%	Imp. Surface (1) 5,336,504 / 8.5%	Vehicle (2) 528,912 / 0.8%	Urban furn. (3) 3,022,241 / 4.8%	Roof (4) 3,820,478 / 6.1%	Facade (5) 2,713,074 / 4.3%	Shrub (6) 3,251,716 / 5.2%	Tree (7) 25,769,361 / 41.2%	Soil / Gravel (8) 3,888,069 / 6.2%	Vertical (9) 2,131,294 / 3.4%	Chimney (10) 76,738 / 0.1%	recall

prediction