

Confusion Matrix

ground truth	Low Veg. (0) 8,991,795 / 15.7%	86.6%	5.4%	0.1% 5,722	1.8%	0.2% 14,360	0.3% 30,124	1.8%	0.7% 65,642	2.3%	0.7% 60,070	0.0% 3	0.0% 0	86.6%
	Imp. Surface (1) 4,836,959 / 8.5%	4.0%	91.1%	0.4% 21,591	1.2% 56,572	0.1% 2,881	0.8% 37,209	0.2% 11,796	0.1% 4,574	1.2% 59,409	0.8% 40,956	0.0% 0	0.0% 0	91.1%
	Vehicle (2) 295,152 / 0.5%	0.0% 7	0.0% 139	99.8%	0.0% 136	0.0% 1	0.0% 3	0.0% 12	0.0% 24	0.1% 159	0.0% 0	0.0% 0	0.0% 0	99.8%
	Urban Furn. (3) 1,245,190 / 2.2%	1.0% 12,757	0.7% 9,022	0.1% 1,686	94.2%	0.4% 5,006	1.0% 12,470	1.9% 23,477	0.2% 2,205	0.1% 1,045	0.3% 4,002	0.0% 8	0.0% 0	94.2%
	Roof (4) 3,302,874 / 5.8%	0.1% 2,278	0.0% 7	0.0% 682	0.3% 8,747	98.0%	0.9% 30,699	0.1% 2,943	0.3% 9,440	0.0% 29	0.0% 161	0.3% 10,865	0.0% 0	98.0%
	Facade (5) 1,872,997 / 3.3%	0.2% 4,145	0.4% 6,599	0.4% 647	1.1% 20,106	1.6% 30,831	95.8%	0.4% 8,025	0.2% 3,027	0.2% 22	0.3% 4,688	0.0% 676	0.0% 0	95.8%
	Shrub (6) 980,737 / 1.7%	1.4% 13,798	0.3% 2,617	0.0% 182	2.4% 23,057	0.2% 1,720	0.5% 5,082	93.6%	1.1% 10,354	0.1% 768	0.6% 5,493	0.0% 0	0.0% 0	93.6%
	Tree (7) 7,752,982 / 13.6%	0.3% 21,270	0.0% 182	0.0% 1,572	0.2% 15,184	0.2% 15,992	0.1% 9,824	1.1% 82,126	98.0%	0.0% 1,709	0.1% 3,959	0.0% 802	0.0% 0	98.0%
	Soil / Gravel (8) 3,745,884 / 6.6%	1.9% 69,736	0.3% 10,097	0.2% 6,422	0.5% 5,151	0.0% 596	0.0% 560	0.0% 1,768	0.0% 1,344	97.4%	0.0% 797	0.0% 103	0.0% 0	97.4%
	Vertical (9) 1,634,011 / 2.9%	0.7% 11,807	1.0% 16,382	0.0% 54	0.2% 3,695	0.0% 81	0.1% 1,901	1.1% 18,638	0.1% 1,061	0.1% 955	96.7%	0.0% 0	0.0% 0	96.7%
	Chimney (10) 27,351 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.0% 0	0.1% 14	0.0% 0	0.0% 0	0.0% 4	0.0% 0	0.0% 0	99.9% 27,333	0.0% 0	99.9% 27,333
	Ignore* (11) 22,458,005 / 39.3%	26.0%	4.5%	0.8%	2.9%	8.9%	11.4%	3.9%	37.0%	1.4%	3.1%	0.1% 15,031	0.0% 0	0.0% 0
precision	95.9%	89.2%	88.4%	79.9%	97.8%	93.3%	74.8%	98.7%	93.0%	92.9%	68.7% 27,333	nan%	0	93.6%
F1 μ=91.5%	91.1%	90.2%	93.8%	86.5%	97.9%	94.6%	83.1%	98.4%	95.2%	94.8%	81.4%	nan%		
	Low Veg (0) 8,121,051 / 14.2%	Imp. Surface (1) 4,941,842 / 8.6%	Vehicle (2) 333,229 / 0.6%	Urban Furn (3) 1,469,639 / 2.6%	Roof (4) 3,308,505 / 5.8%	Facade (5) 1,922,103 / 3.4%	Shrub (6) 1,227,540 / 2.1%	Tree (7) 7,688,037 / 13.5%	Soil / Gravel (8) 3,924,631 / 6.9%	Vertical (9) 1,699,563 / 3.0%	Chimney (10) 39,790 / 0.1%	Ignore (11) 0 / 0.0%		recall

prediction