

Confusion Matrix

ground truth	Low Veg. (0) 9,025,659 / 15.8%	78.1%	5.9%	0.1% 8,583	1.6%	0.2% 18,866	0.3% 27,500	2.0%	1.0% 93,340	10.3%	0.5% 40,625	0.0% 2	0.0% 0	78.1%
	Imp. Surface (1) 4,824,892 / 8.4%	3.3%	91.8%	0.4% 18,577	1.4% 69,648	0.2% 8,958	1.0% 47,119	0.2% 10,915	0.1% 3,772	1.2% 58,769	0.5% 21,846	0.0% 0	0.0% 0	91.8%
	Vehicle (2) 297,297 / 0.5%	0.2% 462	0.7% 2,172	87.1%	11.1% 32,919	0.1% 404	0.0% 86	0.5% 1,473	0.1% 399	0.1% 378	0.0% 17	0.0% 0	0.0% 0	87.1%
	Urban Furn. (3) 1,246,388 / 2.2%	2.7% 33,239	2.1% 26,125	1.7% 21,417	74.9%	0.7% 8,726	2.3% 28,758	13.8%	1.0% 12,882	0.1% 1,001	0.7% 8,252	0.0% 14	0.0% 0	74.9%
	Roof (4) 3,267,644 / 5.7%	0.2% 7,723	0.9% 27,857	0.4% 13,343	4.0%	90.1%	1.7% 54,661	0.6% 20,501	1.4% 46,803	0.4% 13,465	0.0% 589	0.3% 10,414	0.0% 0	90.1%
	Facade (5) 1,848,753 / 3.2%	0.2% 3,067	1.3% 24,496	0.5% 8,461	7.8%	1.4% 26,041	86.8%	0.8% 14,830	0.4% 7,992	0.4% 84	0.7% 12,247	0.1% 2,350	0.0% 0	86.8%
	Shrub (6) 980,879 / 1.7%	4.3% 42,557	0.4% 3,979	0.2% 1,487	6.6% 64,918	0.3% 2,653	1.1% 10,442	78.6%	7.7% 75,798	0.1% 912	0.8% 7,444	0.0% 9	0.0% 0	78.6%
	Tree (7) 7,791,039 / 13.6%	0.7% 52,356	0.0% 409	0.2% 14,437	0.4% 31,192	0.5% 42,050	0.5% 38,328	4.1%	93.3%	0.0% 2,084	0.2% 17,961	0.0% 1,621	0.0% 0	93.3%
	Soil / Gravel (8) 3,753,410 / 6.6%	2.7% 99,945	4.1%	0.2% 6,390	0.6% 6,942	0.0% 1,848	0.0% 237	0.1% 4,794	0.1% 2,114	92.7%	0.0% 210	0.0% 2	0.0% 0	92.7%
	Vertical (9) 1,632,369 / 2.8%	2.3% 37,587	0.8% 12,745	0.0% 178	1.2% 18,909	0.0% 580	0.9% 13,959	7.8%	1.1% 17,387	0.0% 448	86.0%	0.0% 0	0.0% 0	86.0%
	Chimney (10) 26,505 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.0% 2	3.5% 930	1.0% 266	0.1% 26	0.3% 75	0.0% 0	0.1% 22	95.0% 25,184	0.0% 0	95.0% 25,184
	Ignore* (11) 22,599,498 / 39.4%	27.9%	4.5%	0.7%	4.3%	11.1%	11.7%	8.5%	24.1%	3.3%	3.8%	0.1% 33,260	0.0% 0	0.0% 0
precision	94.2%	85.0%	73.6%	59.1%	96.4%	87.9%	47.3%	96.5%	77.6%	92.8%	63.6% 25,184	nan% 0	86.9%	
F1 μ=82.2%	85.4%	88.3%	79.8%	66.1%	93.1%	87.4%	59.0%	94.9%	84.5%	89.3%	76.2%	nan%		
	Low Veg (0) 7,483,332 / 13.1%	Imp. Surface (1) 5,206,958 / 9.1%	Vehicle (2) 351,880 / 0.6%	Urban Furn (3) 1,578,622 / 2.8%	Roof (4) 3,054,137 / 5.3%	Facade (5) 1,826,947 / 3.2%	Shrub (6) 1,629,952 / 2.8%	Tree (7) 7,528,102 / 13.1%	Soil / Gravel (8) 4,482,164 / 7.8%	Vertical (9) 1,513,170 / 2.6%	Chimney (10) 39,590 / 0.1%	Ignore (11) 0 / 0.0%	recall	
	Low Veg (0) 7,483,332 / 13.1%	Imp. Surface (1) 5,206,958 / 9.1%	Vehicle (2) 351,880 / 0.6%	Urban Furn (3) 1,578,622 / 2.8%	Roof (4) 3,054,137 / 5.3%	Facade (5) 1,826,947 / 3.2%	Shrub (6) 1,629,952 / 2.8%	Tree (7) 7,528,102 / 13.1%	Soil / Gravel (8) 4,482,164 / 7.8%	Vertical (9) 1,513,170 / 2.6%	Chimney (10) 39,590 / 0.1%	Ignore (11) 0 / 0.0%		