

Confusion Matrix

ground truth	Low Veg. (0) 12,421,452 / 19.8%	77.5%	4.7%	0.1% 6,780	2.2%	0.1% 11,568	0.1% 15,268	1.7%	2.3%	9.3%	2.0%	0.0% 836	77.5%
	Imp. Surface (1) 5,171,878 / 8.2%	3.8%	88.7%	0.3% 17,600	2.0%	0.2% 12,868	0.8% 38,809	0.1% 5,327	0.1% 3,068	2.9%	1.0% 52,084	0.0% 448	88.7%
	Vehicle (2) 508,175 / 0.8%	0.1% 622	0.7% 3,601	88.6%	6.4% 32,423	1.1% 5,692	0.1% 344	1.9% 9,647	0.2% 1,245	0.2% 871	0.1% 457	0.6% 3,040	88.6%
	Urban Furn. (3) 2,005,108 / 3.2%	1.7% 33,244	2.5% 37,337	1.9% 37,364	71.1%	1.7% 35,074	3.3% 65,341	11.6%	1.9% 38,529	0.2% 4,328	3.2% 63,586	1.0% 20,780	71.1%
	Roof (4) 4,080,164 / 6.5%	0.3% 12,748	0.9% 36,046	0.2% 8,690	0.6% 24,152	91.2%	1.3% 52,452	0.1% 3,942	1.6% 63,645	0.9% 35,322	0.2% 7,559	2.8%	91.2%
	Facade (5) 2,722,118 / 4.3%	0.4% 11,076	1.4% 37,515	0.1% 2,360	11.3%	2.1% 55,898	75.0%	0.7% 19,352	0.9% 23,842	0.0% 1,141	6.3%	1.9% 50,484	75.0%
	Shrub (6) 2,680,351 / 4.3%	4.3%	0.1% 3,153	0.1% 3,053	7.2%	0.3% 8,295	0.3% 8,580	69.2%	15.0%	0.1% 3,601	2.8% 76,039	0.5% 13,410	69.2%
	Tree (7) 26,657,233 / 42.5%	0.4% 98,737	0.0% 604	0.0% 2,120	0.2% 43,300	0.2% 40,079	0.0% 7,220	1.6%	96.9%	0.1% 21,238	0.3% 79,620	0.4% 95,684	96.9%
	Soil / Gravel (8) 4,180,093 / 6.7%	4.1%	2.8%	0.0% 2,079	0.4% 14,862	1.7% 70,949	0.0% 219	0.1% 3,538	5.760	90.7%	0.1% 2,663	0.0% 851	90.7%
	Vertical (9) 2,230,893 / 3.6%	0.7% 16,374	0.7% 14,504	0.0% 44	0.9% 20,279	0.0% 342	0.3% 5,893	0.7% 16,699	2.7% 60,679	0.1% 1,688	93.9%	0.0% 515	93.9%
	Chimney (10) 33,962 / 0.1%	0.0% 0	0.0% 0	0.0% 3	0.0% 2	0.7% 230	0.1% 28	0.1% 20	0.0% 8	0.0% 0	0.0% 0	99.1% 33,671	99.1% 33,671
precision		93.6%	84.4%	84.9%	58.5%	93.9%	91.3%	66.7%	96.7%	73.4%	74.7%	10.1% 33,671	88.5%
F1 $\mu=76.8\%$		84.8%	86.5%	86.7%	64.2%	92.5%	82.3%	67.9%	96.8%	81.1%	83.2%	18.3%	
		Low Veg. (0) 10,285,904 / 16.4%	Imp. Surface (1) 5,434,518 / 8.7%	Vehicle (2) 530,326 / 0.8%	Urban Furn. (3) 2,433,782 / 3.9%	Roof (4) 3,962,048 / 6.3%	Facade (5) 2,234,506 / 3.6%	Shrub (6) 2,778,651 / 4.4%	Tree (7) 26,727,367 / 42.6%	Soil / Gravel (8) 5,168,441 / 8.2%	Vertical (9) 2,801,210 / 4.5%	Chimney (10) 334,274 / 0.5%	recall

prediction