

Confusion Matrix

ground truth

Low Veg. (0) 9,003,507 / 15.7%	91.2%	1.7%	0.0% 1,972	1.1%	0.1% 6,609	0.2% 17,743	2.7%	0.6% 55,032	1.7%	0.7% 62,258	0.0% 0	0.0% 0	91.2%
Imp. Surface (1) 4,830,511 / 8.4%	5.2%	89.8%	0.3% 13,525	1.1% 54,700	0.1% 5,960	1.0% 48,907	0.3% 16,879	0.1% 4,551	0.8% 36,717	1.2% 59,408	0.0% 0	0.0% 0	89.8%
Vehicle (2) 296,084 / 0.5%	0.0% 37	0.1% 341	99.0%	0.6% 1,639	0.0% 28	0.0% 16	0.0% 24	0.1% 212	0.2% 648	0.0% 0	0.0% 0	0.0% 0	99.0%
Urban Furn. (3) 1,247,407 / 2.2%	1.8% 22,561	0.7% 9,098	0.1% 1,571	81.8%	0.8% 9,846	2.5% 31,552	10.3%	1.4% 17,094	0.1% 1,228	0.5% 5,647	0.0% 58	0.0% 0	81.8%
Roof (4) 3,259,251 / 5.7%	0.0% 1,277	0.2% 6,823	0.1% 1,763	0.8% 27,516	96.2%	1.5% 49,551	0.1% 3,755	0.7% 22,237	0.0% 184	0.1% 1,661	0.2% 7,598	0.0% 0	96.2%
Facade (5) 1,841,196 / 3.2%	0.4% 7,241	0.8% 14,148	0.0% 276	4.6% 85,559	1.6% 29,674	90.8%	0.8% 14,576	0.3% 5,423	0.0% 183	0.6% 11,760	0.0% 216	0.0% 0	90.8%
Shrub (6) 978,323 / 1.7%	2.5% 24,656	0.2% 1,532	0.0% 123	1.7% 16,615	0.2% 2,188	0.7% 6,695	85.1%	8.4% 82,596	0.0% 310	1.1% 10,977	0.0% 11	0.0% 0	85.1%
Tree (7) 7,794,174 / 13.6%	0.1% 10,544	0.0% 147	0.0% 1,093	0.1% 9,987	0.1% 7,396	0.0% 1,348	1.3% 98,747	98.2%	0.0% 1,101	0.2% 13,194	0.0% 98	0.0% 0	98.2%
Soil / Gravel (8) 3,749,559 / 6.6%	3.5%	0.1% 3,553	0.2% 5,855	0.2% 8,714	0.0% 3	0.0% 375	0.1% 4,188	0.1% 2,981	95.8%	0.0% 19	0.0% 0	0.0% 0	95.8%
Vertical (9) 1,643,716 / 2.9%	1.0% 17,139	0.3% 5,196	0.0% 65	0.2% 3,257	0.0% 63	0.5% 8,248	2.4% 40,113	0.7% 10,946	0.0% 499	94.8%	0.0% 0	0.0% 0	94.8%
Chimney (10) 26,903 / 0.0%	0.0% 0	0.0% 0	0.0% 0	0.0% 10	1.2% 311	0.2% 41	0.0% 8	0.0% 10	0.0% 0	0.0% 0	98.6% 26,523	0.0% 0	98.6% 26,523
Ignore* (11) 22,517,109 / 39.4%	5.9%	2.0%	0.5%	3.4%	24.5%	8.6%	1.3%	41.7%	10.2%	1.8%	0.0% 4,613	0.0% 0	0.0% 0
precision	94.6%	95.8%	91.8%	76.7%	98.1%	91.0%	60.1%	97.4%	95.0%	90.4%	76.9% 26,523	nan% 0	93.3%
F1 $\mu=90.1\%$	92.9%	92.7%	95.3%	79.2%	97.1%	90.9%	70.5%	97.8%	95.4%	92.6%	86.4%	nan%	

prediction

Low Veg. (0)
8,680,580 / 15.2%
Imp. Surface (1)
4,528,924 / 7.9%
Vehicle (2)
319,382 / 0.6%
Urban Furn. (3)
1,331,317 / 2.3%
Roof (4)
3,198,964 / 5.6%
Facade (5)
1,836,616 / 3.2%
Shrub (6)
1,384,940 / 2.4%
Tree (7)
7,851,601 / 13.7%
Soil / Gravel (8)
3,780,889 / 6.6%
Vertical (9)
1,723,114 / 3.0%
Chimney (10)
34,509 / 0.1%
Ignore (11)
0 / 0.0%