

Confusion Matrix

ground truth

Low Veg. (0) 8,969,529 / 15.7%	76.1%	11.9%	0.1% 13,394	2.4%	0.1% 11,898	0.3% 26,487	3.5%	0.8% 71,827	4.4%	0.3% 28,616	0.0% 4	0.0% 0	76.1%
Imp. Surface (1) 4,824,961 / 8.4%	12.2%	80.9%	0.6% 28,073	1.6% 78,257	0.1% 6,582	1.0% 48,544	0.5% 21,922	0.1% 5,819	2.5%	0.5% 24,038	0.0% 4	0.0% 0	80.9%
Vehicle (2) 297,576 / 0.5%	0.0% 65	0.1% 304	98.4%	1.1% 3,338	0.0% 28	0.0% 35	0.1% 179	0.0% 84	0.2% 593	0.0% 8	0.0% 0	0.0% 0	98.4%
Urban Furn. (3) 1,241,946 / 2.2%	2.1% 26,503	1.0% 12,890	0.8% 9,547	79.4%	0.6% 6,941	2.0% 25,241	13.0%	0.9% 11,374	0.0% 581	0.1% 1,548	0.0% 17	0.0% 0	79.4%
Roof (4) 3,284,445 / 5.7%	1.1% 37,541	0.9% 29,363	0.1% 3,821	1.4% 46,296	91.7%	1.9% 62,231	0.6% 20,037	1.5% 49,295	0.0% 477	0.0% 480	0.7% 22,257	0.0% 0	91.7%
Facade (5) 1,864,123 / 3.3%	0.3% 4,748	0.8% 14,868	0.1% 2,004	4.1% 75,933	1.7% 30,813	90.1%	2.0% 36,798	0.7% 13,701	0.0% 3	0.2% 3,965	0.1% 1,571	0.0% 0	90.1%
Shrub (6) 974,854 / 1.7%	2.1% 20,743	0.2% 1,887	0.3% 2,718	7.6% 74,149	0.3% 2,653	0.7% 6,654	86.3%	2.4% 23,660	0.0% 383	0.1% 982	0.0% 10	0.0% 0	86.3%
Tree (7) 7,731,971 / 13.5%	0.2% 17,889	0.0% 71	0.1% 6,139	0.7% 50,577	0.1% 11,163	0.1% 11,143	4.6%	94.1%	0.0% 1,903	0.0% 370	0.0% 2,946	0.0% 0	94.1%
Soil / Gravel (8) 3,752,647 / 6.6%	11.5%	1.8% 68,489	0.2% 5,740	0.3% 10,533	0.0% 4	0.0% 357	0.2% 7,162	0.0% 1,676	86.0%	0.0% 270	0.0% 0	0.0% 0	86.0%
Vertical (9) 1,625,506 / 2.8%	1.4% 22,608	1.0% 15,632	0.1% 1,298	1.8% 29,641	0.0% 244	0.6% 10,541	9.9%	0.3% 5,435	0.0% 758	84.8%	0.0% 0	0.0% 0	84.8%
Chimney (10) 26,959 / 0.0%	0.0% 0	0.0% 0	0.0% 1	0.0% 0	0.2% 49	0.1% 31	0.0% 0	0.1% 37	0.0% 0	0.0% 0	99.6% 26,841	0.0% 0	99.6% 26,841
Ignore* (11) 22,563,626 / 39.5%	27.4%	6.2%	1.0%	4.0%	11.0%	11.7%	10.3%	24.1%	0.3% 61,246	3.8%	0.2% 48,680	0.0% 0	0.0% 0
precision	85.6%	76.3%	80.1%	62.9%	97.7%	89.8%	43.9%	97.5%	86.0%	95.8%	50.0% 26,841	nan% 0	85.1%
F1 $\mu=81.7\%$	80.6%	78.5%	88.3%	70.2%	94.6%	89.9%	58.2%	95.8%	86.0%	90.0%	66.6%	nan%	

prediction

Low Veg. (0)
7,974,775 / 14.0%
Imp Surface (1)
5,135,640 / 8.9%
Vehicle (2)
363,617 / 0.6%
Urban Furn. (3)
1,567,285 / 2.7%
Roof (4)
3,083,022 / 5.4%
Facade (5)
1,870,983 / 3.3%
Shrub (6)
1,914,997 / 3.4%
Tree (7)
7,458,984 / 13.0%
Soil / Gravel (8)
3,751,189 / 6.6%
Vertical (9)
1,438,311 / 2.5%
Chimney (10)
53,635 / 0.1%
Ignore (11)
0 / 0.0%