

Confusion Matrix

| ground truth | Low Veg. (0) 8,990,139 / 15.7% | 89.3% | 3.1% | 0.1% 7,484 | 2.0% | 0.1% 5,320 | 0.4% 35,476 | 1.6% | 1.8% | 1.0% 90,527 | 0.7% 65,419 | 0.0% 2 | 0.0% 0 | 89.3% | |
|--------------|---------------------------------------|-----------------------------------|--------------------------------------|-------------------------------|-------------------------------------|------------------------------|--------------------------------|-------------------------------|-------------------------------|---------------------------------------|----------------------------------|-------------------------------|-------------------------|-----------------|-------|
| | Imp. Surface (1) 4,833,506 / 8.4% | 4.5% | 91.0% | 0.4% 20,525 | 1.2% 56,366 | 0.1% 6,908 | 1.1% 51,720 | 0.1% 5,426 | 0.2% 7,300 | 0.4% 20,479 | 1.1% 51,077 | 0.0% 3 | 0.0% 0 | 91.0% | |
| | Vehicle (2) 297,049 / 0.5% | 0.0% 125 | 0.2% 539 | 98.9% | 0.4% 1,050 | 0.0% 56 | 0.0% 37 | 0.0% 131 | 0.0% 68 | 0.4% 1,087 | 0.0% 0 | 0.0% 0 | 0.0% 0 | 98.9% | |
| | Urban Furn. (3) 1,241,608 / 2.2% | 1.6% 19,916 | 1.4% 17,253 | 0.4% 5,388 | 87.0% | 0.7% 8,834 | 2.6% 31,863 | 3.6% 44,286 | 2.3% 28,242 | 0.1% 632 | 0.4% 4,862 | 0.0% 34 | 0.0% 0 | 87.0% | |
| | Roof (4) 3,291,805 / 5.7% | 0.2% 8,148 | 0.3% 9,277 | 0.1% 2,475 | 0.8% 26,810 | 94.5% | 1.8% 60,870 | 0.1% 2,784 | 1.3% 42,682 | 0.2% 5,780 | 0.0% 534 | 0.7% 22,801 | 0.0% 0 | 94.5% | |
| | Facade (5) 1,870,289 / 3.3% | 0.2% 2,821 | 0.9% 17,242 | 0.6% 863 | 2.6% 49,420 | 1.5% 28,835 | 93.8% | 0.3% 5,287 | 0.5% 8,591 | 0.4% 54 | 0.1% 1,641 | 0.1% 1,930 | 0.0% 0 | 93.8% | |
| | Shrub (6) 980,250 / 1.7% | 2.7% 26,873 | 0.3% 2,774 | 0.1% 873 | 6.1% 59,657 | 0.3% 2,539 | 1.3% 12,358 | 78.0% | 10.4% | 0.0% 382 | 0.8% 7,570 | 0.0% 2 | 0.0% 0 | 78.0% | |
| | Tree (7) 7,794,523 / 13.6% | 0.2% 18,114 | 0.0% 139 | 0.1% 7,265 | 0.2% 17,325 | 0.1% 11,250 | 0.2% 12,614 | 0.9% 72,625 | 98.1% | 0.1% 4,261 | 0.0% 1,817 | 0.0% 2,984 | 0.0% 0 | 98.1% | |
| | Soil / Gravel (8) 3,736,886 / 6.5% | 15.5% | 2.2% 81,622 | 0.1% 4,986 | 0.8% 8,696 | 0.0% 0 | 0.4% 542 | 0.1% 1,902 | 1.850 | 81.8% | 0.0% 671 | 0.0% 0 | 0.0% 0 | 81.8% | |
| | Vertical (9) 1,633,587 / 2.9% | 0.8% 13,452 | 0.6% 9,849 | 0.0% 373 | 0.4% 7,188 | 0.0% 109 | 0.6% 10,294 | 2.5% 41,444 | 1.5% 24,846 | 0.1% 988 | 93.4% | 0.0% 0 | 0.0% 0 | 93.4% | |
| | Chimney (10) 27,114 / 0.0% | 0.0% 0 | 0.0% 0 | 0.0% 0 | 0.0% 1 | 0.1% 34 | 0.0% 2 | 0.0% 0 | 0.0% 11 | 0.0% 0 | 0.0% 0 | 99.8% 27,066 | 0.0% 0 | 99.8% 27,066 | |
| | Ignore* (11) 22,582,154 / 39.4% | 29.9% | 4.2% | 0.8% | 3.7% | 11.1% | 12.5% | 5.9% | 25.6% | 0.8% | 5.4% | 0.2% 40,591 | 0.0% 0 | 0.0% 0 | |
| | precision | 90.0% | 91.4% | 85.4% | 72.6% | 98.0% | 89.0% | 70.6% | 95.3% | 96.1% | 91.9% | 49.4% 27,066 | nan% 0 | | 91.3% |
| | F1 μ=87.0% | 89.7% | 91.2% | 91.7% | 79.2% | 96.2% | 91.3% | 74.2% | 96.7% | 88.4% | 92.6% | 66.1% | nan% | | |
| | | Low Veg. (0) 8,914,223 / 15.6% | Imp. Surface (1) 4,810,450 / 8.4% | Vehicle (2) 344,120 / 0.6% | Urban Furn. (3) 1,481,437 / 2.6% | Roof (4) 3,173,529 / 5.5% | Facade (5) 1,969,381 / 3.4% | Shrub (6) 1,082,721 / 1.9% | Tree (7) 8,021,441 / 14.0% | Soil / Gravel (8) 3,719,620 / 5.6% | Vertical (9) 1,658,703 / 2.9% | Chimney (10) 54,822 / 0.1% | Ignore (11) 0 / 0.0% | recall | |
| prediction | | | | | | | | | | | | | | | |