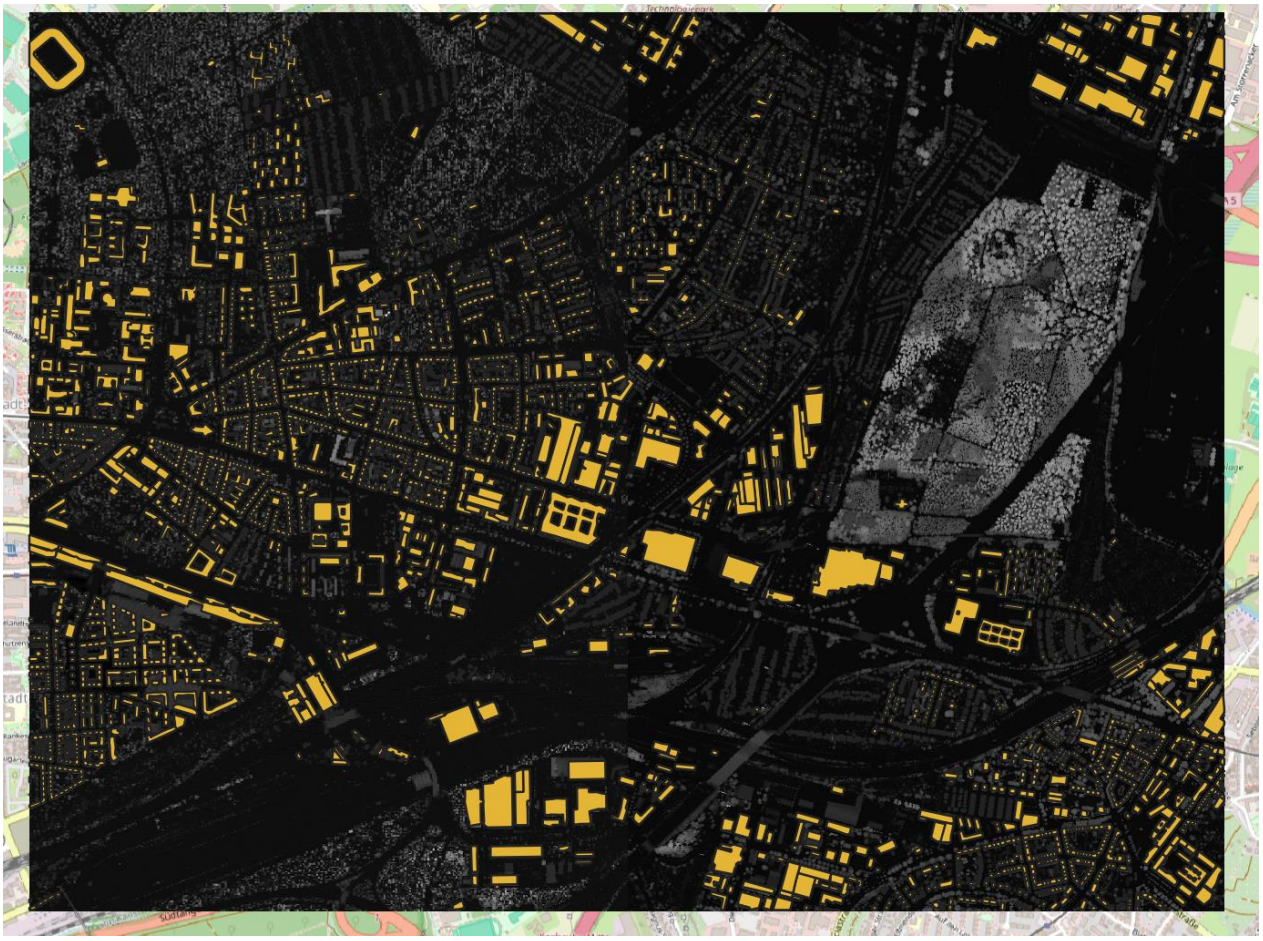
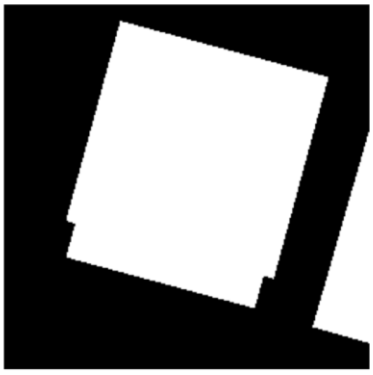
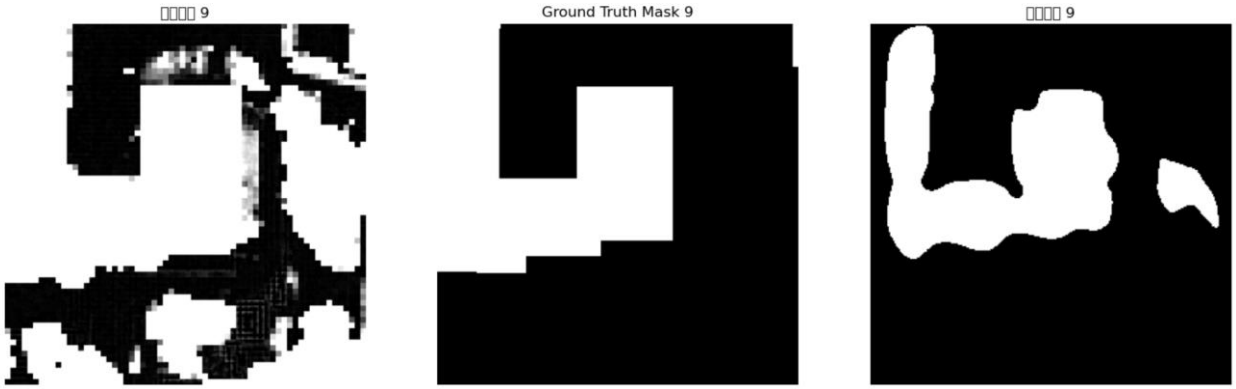
Data 1: UNETTest\real data

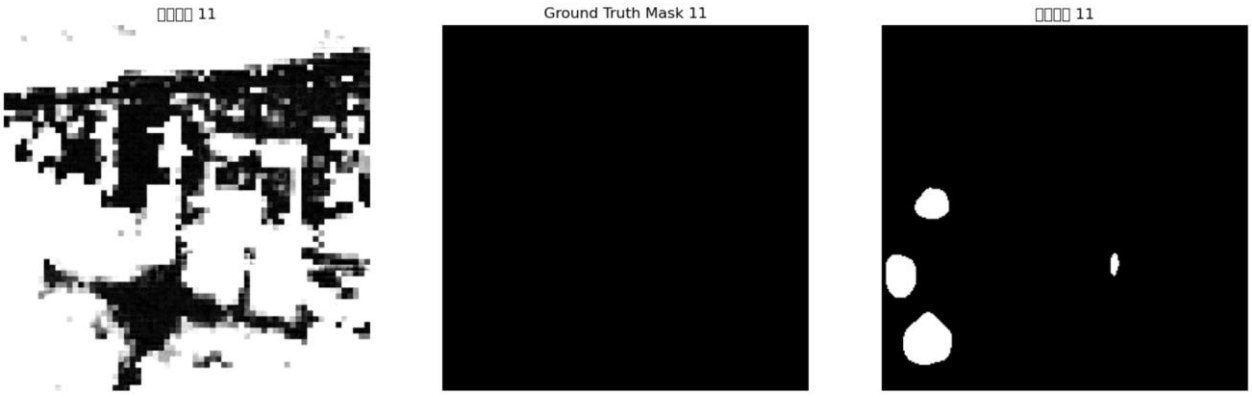




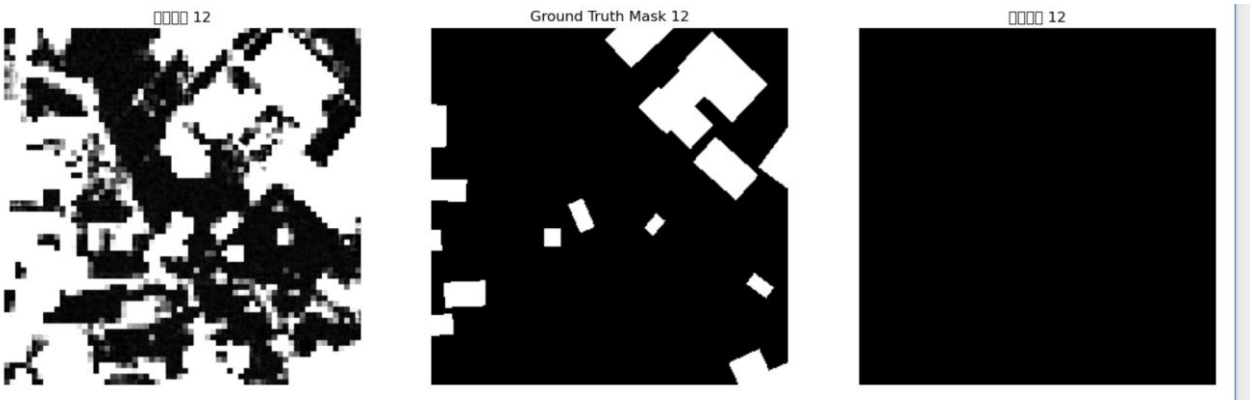


Epoch 15/20
10/10 ━━━━━━━━━━━━━━━━━━━━ **267s** 27s/step - accuracy: 0.8505 - loss: 0.2929 - val_ac
curacy: 0.8791 - val_loss: 0.3561
Epoch 16/20
10/10 ━━━━━━━━━━━━━━━━━━━━ **295s** 30s/step - accuracy: 0.8425 - loss: 0.2888 - val_ac
curacy: 0.8791 - val_loss: 0.3550
Epoch 17/20
10/10 ━━━━━━━━━━━━━━━━━━━━ **288s** 29s/step - accuracy: 0.8705 - loss: 0.2766 - val_ac
curacy: 0.8791 - val_loss: 0.3449
Epoch 18/20
10/10 ━━━━━━━━━━━━━━━━━━━━ **263s** 27s/step - accuracy: 0.8578 - loss: 0.2816 - val_ac
curacy: 0.8791 - val_loss: 0.3749
Epoch 19/20
10/10 ━━━━━━━━━━━━━━━━━━━━ **282s** 28s/step - accuracy: 0.8541 - loss: 0.2780 - val_ac
curacy: 0.8791 - val_loss: 0.3500
Epoch 20/20
10/10 ━━━━━━━━━━━━━━━━━━━━ **0s** 27s/step - accuracy: 0.8520 - loss: 0.2835

Problem 1: There are no buildings in the ground truth mask.



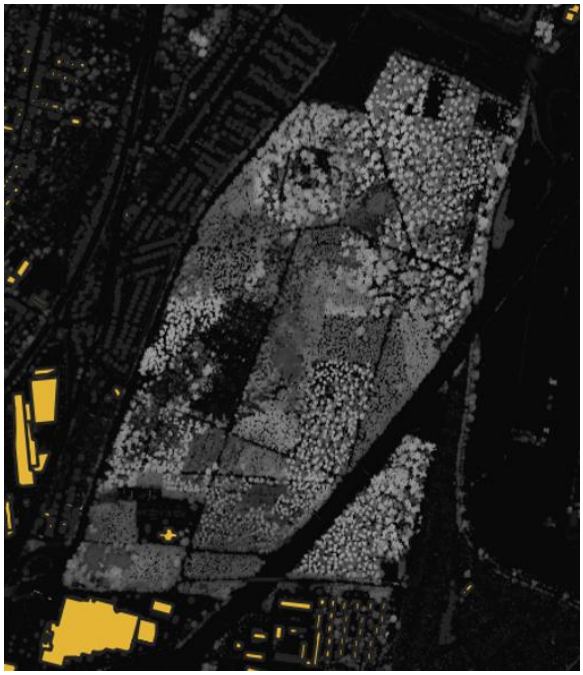
Problem 2: There are no prediction of the output.



Conclusion:

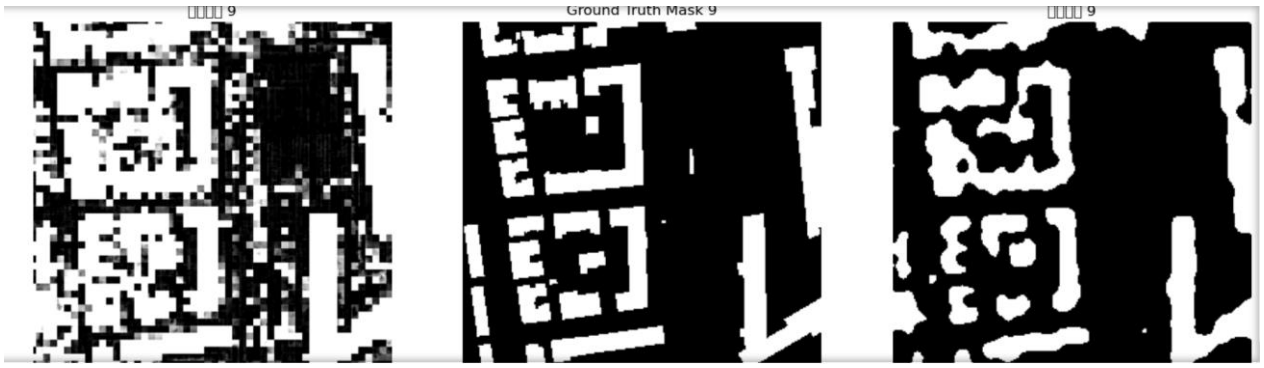
The result is not so good, I guess maybe from the reason:

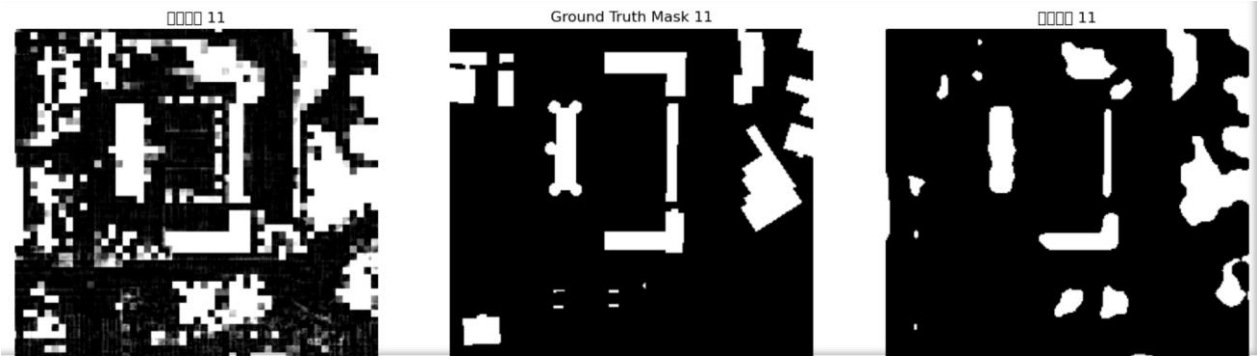
1. Uneven distribution of label samples.
2. Vegetation may disturb the result.



Data 2: D:\UNETTest\test3. Only take a half of the first data

Overall, better extraction result.





Epoch 15/20
4/4 ━━━━━━━━━━━━━━━━━━━━ **90s** 22s/step - accuracy: 0.8066 - loss: 0.3914 - val_accuracy: 0.8572 - val_loss: 0.3439
Epoch 16/20
4/4 ━━━━━━━━━━━━━━━━━━━━ **89s** 22s/step - accuracy: 0.7939 - loss: 0.4082 - val_accuracy: 0.8572 - val_loss: 0.3429
Epoch 17/20
4/4 ━━━━━━━━━━━━━━━━━━━━ **93s** 22s/step - accuracy: 0.8032 - loss: 0.3882 - val_accuracy: 0.8572 - val_loss: 0.3470
Epoch 18/20
4/4 ━━━━━━━━━━━━━━━━━━━━ **95s** 23s/step - accuracy: 0.8105 - loss: 0.3765 - val_accuracy: 0.8572 - val_loss: 0.3423
Epoch 19/20
4/4 ━━━━━━━━━━━━━━━━━━━━ **93s** 22s/step - accuracy: 0.7959 - loss: 0.3880 - val_accuracy: 0.8653 - val_loss: 0.3409
Epoch 20/20
4/4 ━━━━━━━━━━━━━━━━━━━━ **0s** 21s/step - accuracy: 0.8403 - loss: 0.3809