from skimage import io, morphology

# Load your binary map

binary\_map = io.imread("binary\_map.tif") # Adjust the filename and extension

# Define a structuring element for the dilation operation

# This determines how neighboring pixels are considered

selem = morphology.disk(3) # You can adjust the size as needed

# Perform dilation operation to coalesce regions

coalesced\_map = morphology.dilation(binary\_map, selem)

# Save or display the coalesced binary map

io.imsave("coalesced\_map.tif", coalesced\_map) # Save as TIFF