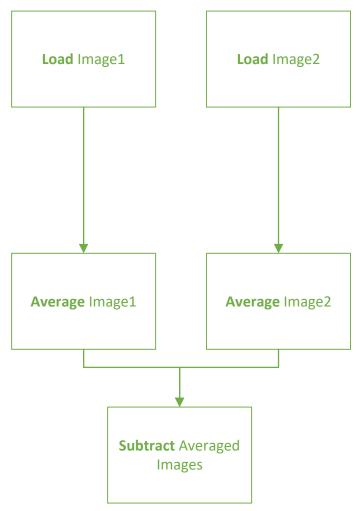


1. Averaging and Subtracting

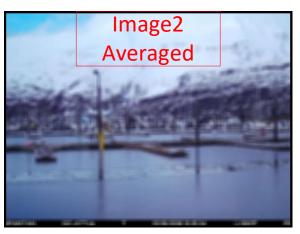






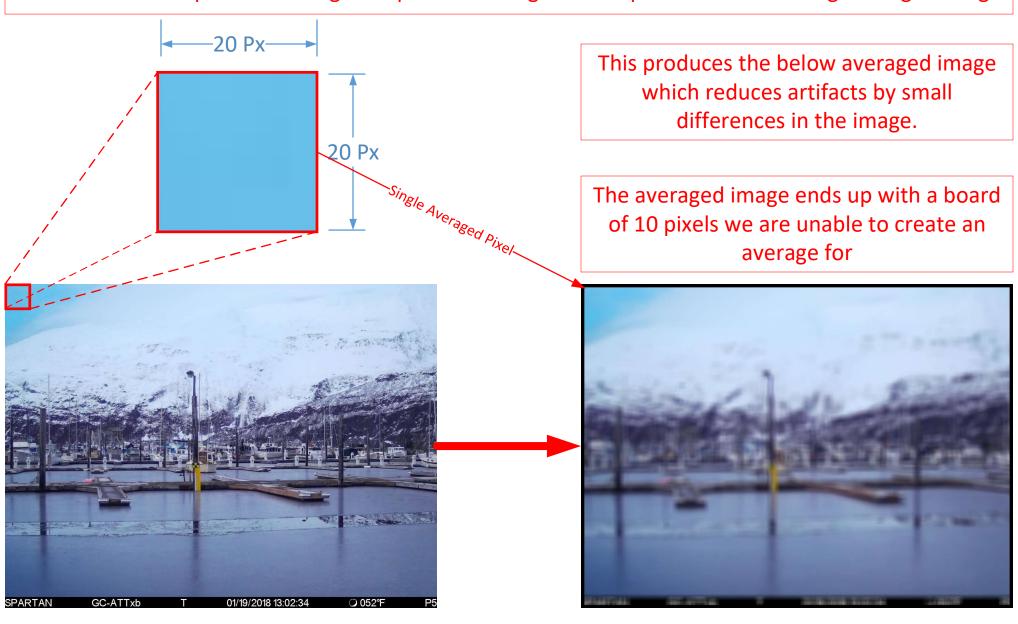






1. Averaging and Subtracting (Averaging Details)

A 20 x 20 block of pixels is averaged to produce a single center pixel for the resulting Averaged image



Original Image

Averaged Image

2. Generate Mask

All images averaged and subtracted.

(Exaggerated brightness as it was too dark without for example)



Example only using equalizeHist, real mask will use connectedComponents



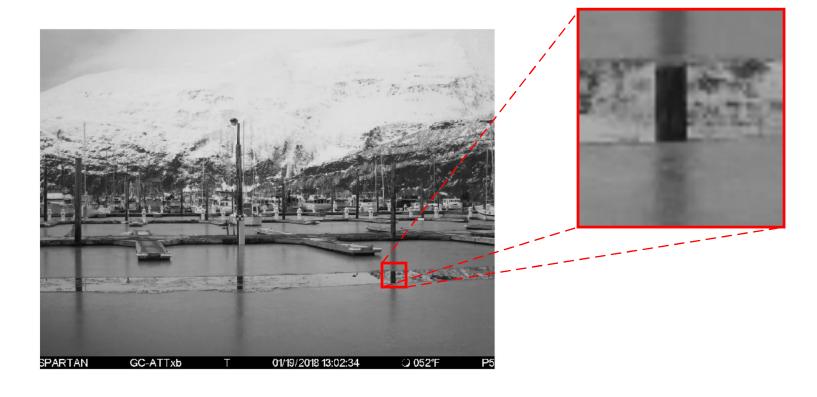


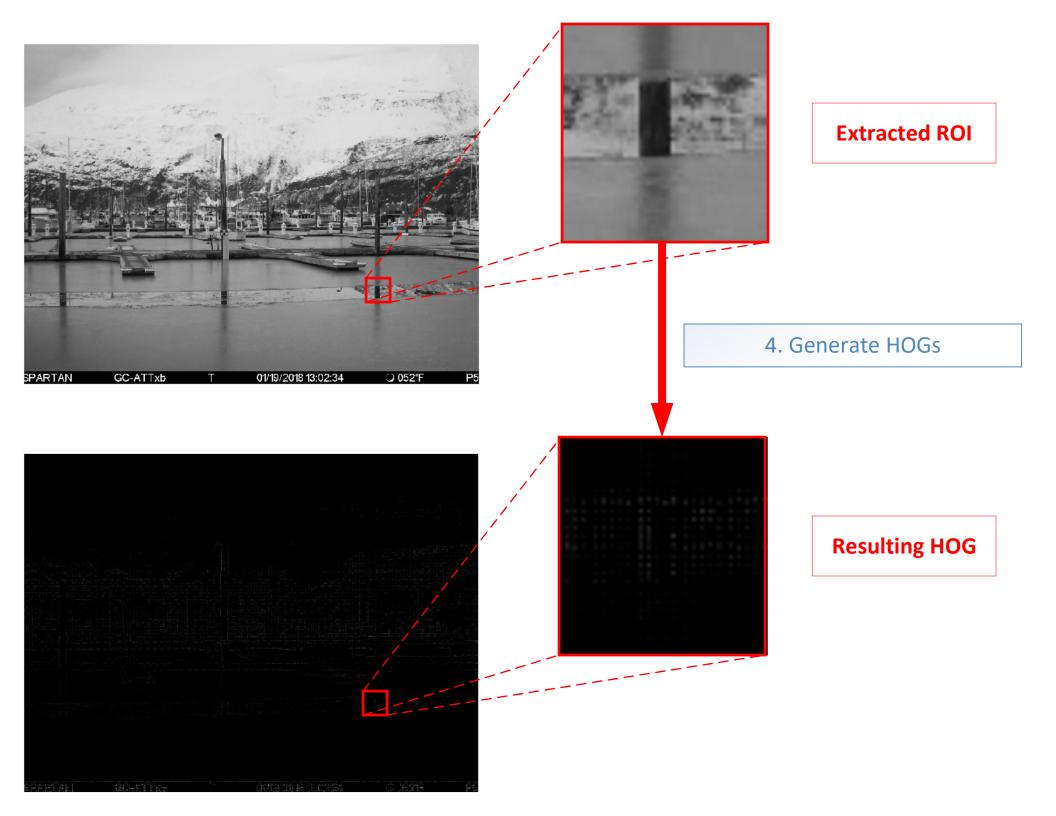
3. Sample ROI

Image converted to greyscale

(Current OpenCV method requires greyscale)

Grab sections within each Mask Region





5. Learn regions using ANN

6. Load Image

7 . Water Pixel Classification