

```

train:
  network:
    layers:
      - Input:
          shape: [~, ~, num_bands]
      - Conv2D:
          filters: 16
          kernel_size: [3, 3]
          padding: same
      - BatchNormalization:
      - Activation:
          activation: relu
          name: c1
      - Dropout:
          rate: 0.2
      - MaxPool2D:
      - Conv2D:
          filters: 32
          kernel_size: [3, 3]
          padding: same
      - BatchNormalization:
      - Activation:
          activation: relu
          name: c2
      - Dropout:
          rate: 0.2
      - MaxPool2D:
      - Conv2D:
          filters: 64
          kernel_size: [3, 3]
          padding: same
      - BatchNormalization:
      - Activation:
          activation: relu
          name: c3
      - Dropout:
          rate: 0.2
      - MaxPool2D:
      - Conv2D:
          filters: 128
          kernel_size: [3, 3]
          padding: same
      - BatchNormalization:
      - Activation:
          activation: relu
          name: c4
      - UpSampling2D:
      - Conv2D:
          filters: 64
          kernel_size: [2, 2]
          padding: same
      - BatchNormalization:
      - Activation:
          activation: relu
          name: u3
      - Concatenate:
          inputs: [c3, u3]
      - Dropout:
          rate: 0.2
      - Conv2D:
          filters: 64

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        kernel_size: [3, 3]
        padding: same
- UpSampling2D:
- Conv2D:
    filters: 32
    kernel_size: [2, 2]
    padding: same
- BatchNormalization:
- Activation:
    activation: relu
    name: u2
- Concatenate:
    inputs: [c2, u2]
- Dropout:
    rate: 0.2
- Conv2D:
    filters: 32
    kernel_size: [3, 3]
    padding: same
- UpSampling2D:
- Conv2D:
    filters: 16
    kernel_size: [2, 2]
    padding: same
- BatchNormalization:
- Activation:
    activation: relu
    name: u1
- Concatenate:
    inputs: [c1, u1]
- Dropout:
    rate: 0.2
- Conv2D:
    filters: 7
    kernel_size: [3, 3]
    activation: linear
    padding: same
- Softmax:
    axis: 3

```