

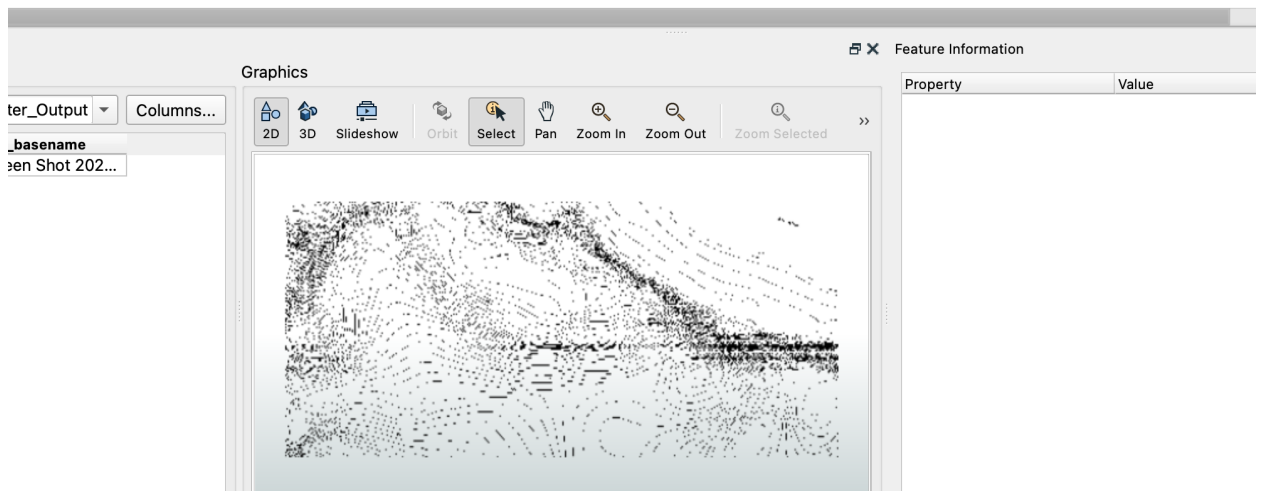
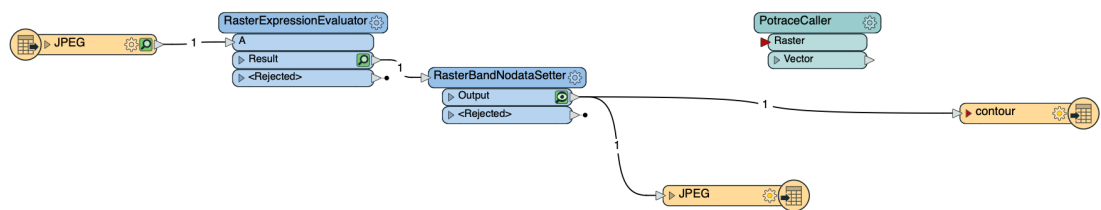
What we've tried & how it went

Scan2CAD [free trial](#)

- Kinda works
- Needs manual adjustment - not worth

FME Workbench [download FME Desktop and FME Server](#)

- I am SO CLOSE to making this work
- Current mechanism:
 - The visualization window shows the output from RasterBandNodataSetter



- The next step is PotraceCaller (this transformer is the reason this tool seemed like a viable choice), but I have not yet gotten it to work
- Current mechanism details
 - JPEG
 - *Input*: Screenshot (raster image)
 - *Parameters*: N/A
 - RasterExpressionEvaluator
 - *Input*: N/A
 - *Parameter*
 - Interpretation - Red8

- Expression -
if(A[0]>65&&A[0]<171&&A[1]>65&&A[1]<171&&A[2]>65&&A[2]<171,0,255)
- RasterBandNodataSetter
 - *Input*: N/A
 - *Parameter*
 - Nodatavalue: 255
 - Replace cell values: no
- To be continued~

R2V [demo](#)

- Demo doesn't really work

Adobe express



- Also doesn't really work

CRAN [Package raster](#)

- Didn't really have much time to mess around with this but another potential solution

Resources


GIS - general

-  Resources for GIS Model
-  Add Data to a Project in ArcGIS Pro
- <https://www.arcgis.com/home/webmap/viewer.html?webmap=fb149438ef7c4d38ab8e2d463c7815f8>
- [An overview of the Hydrology toolset—ArcGIS Pro](#)
- <https://gis-michigan.opendata.arcgis.com/datasets/Michigan::inland-lake-contours/explorer?location=42.530187%2C-83.618833%2C12.99>

HRWC

- [Maps - Huron River Watershed Council](#)
- <https://www.hrwc.org/wp-content/uploads/HRWC-Watershed-Map-poster-2021.pdf>
- <https://usa.fisherman.org/depth-map/ford-lake-washtenaw-mi/>
- [HRWC Sensors and Monitoring](#)
- [contourheightmap · PyPI](#)

FME

-  Getting Started with FME Desktop
- <https://hub.safe.com/publishers/safe-lab/transformers/potracecaller#description>
- [Translations \(45 minutes\) · GitBook](#)
- [**Convert Raster Images to CAD Using Potrace**](#)
- [What is potrace.exe? Is it Safe or a Virus? How to remove or fix it](#)
- <https://potrace.sourceforge.net/INSTALL>
- <https://potrace.sourceforge.net/#downloading>
- <https://potrace.sourceforge.net/#frequently>