

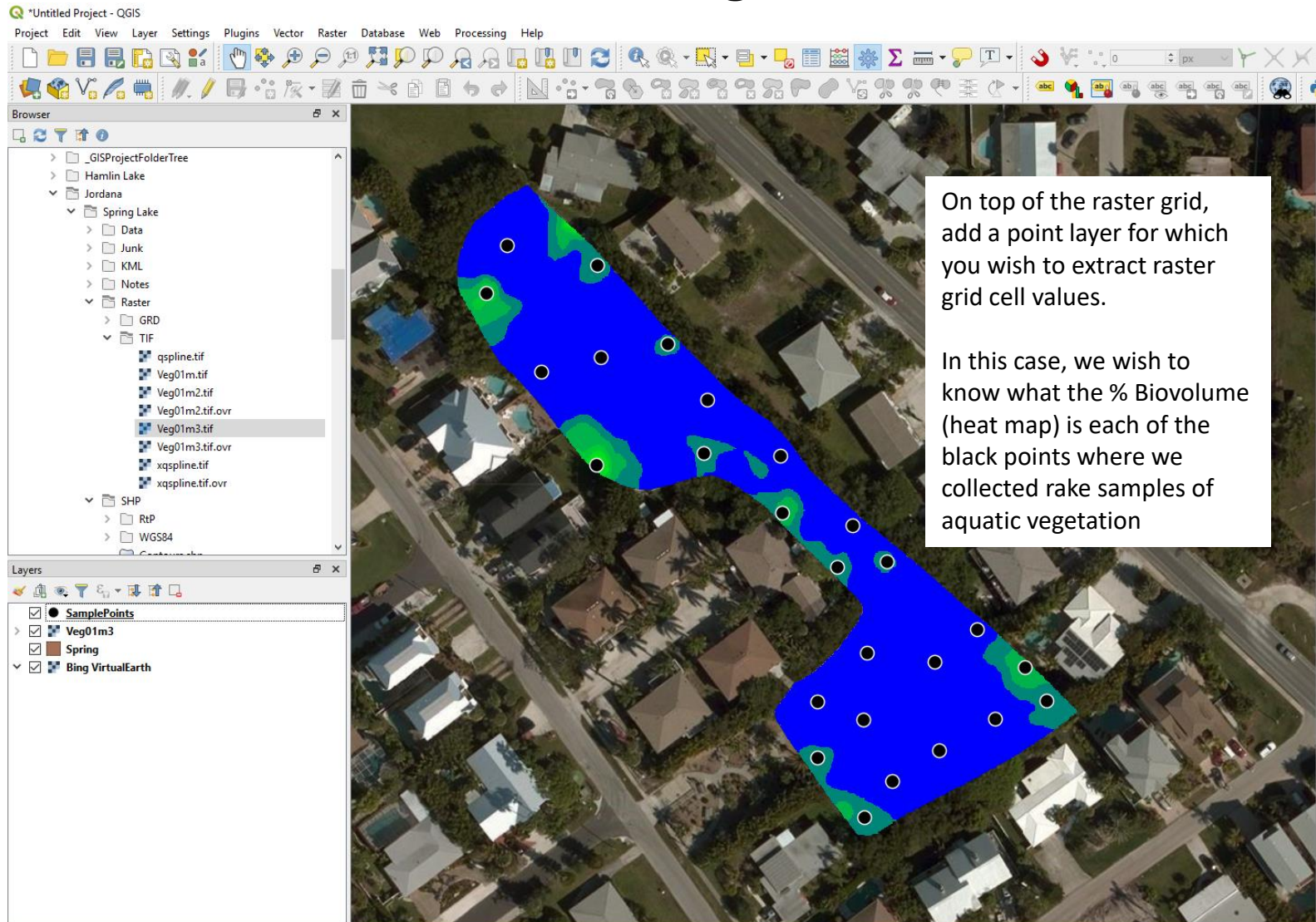


BioBase Data Use in QGIS 3x

Tutorial: Capturing raster grid values for points and appending to point feature*

*Requires the Point Sampling Tool plugin

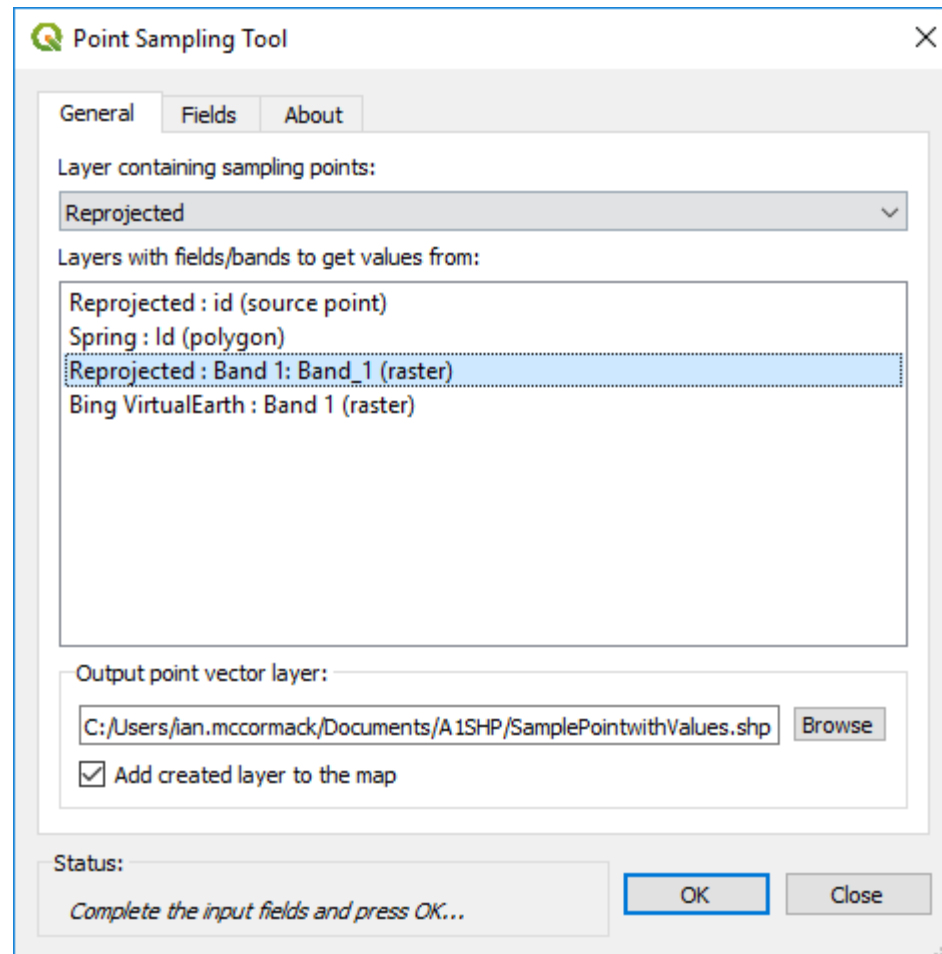
Add BioBase Grid Data to QGIS and convert “Feature to Raster” following Tutorial 1



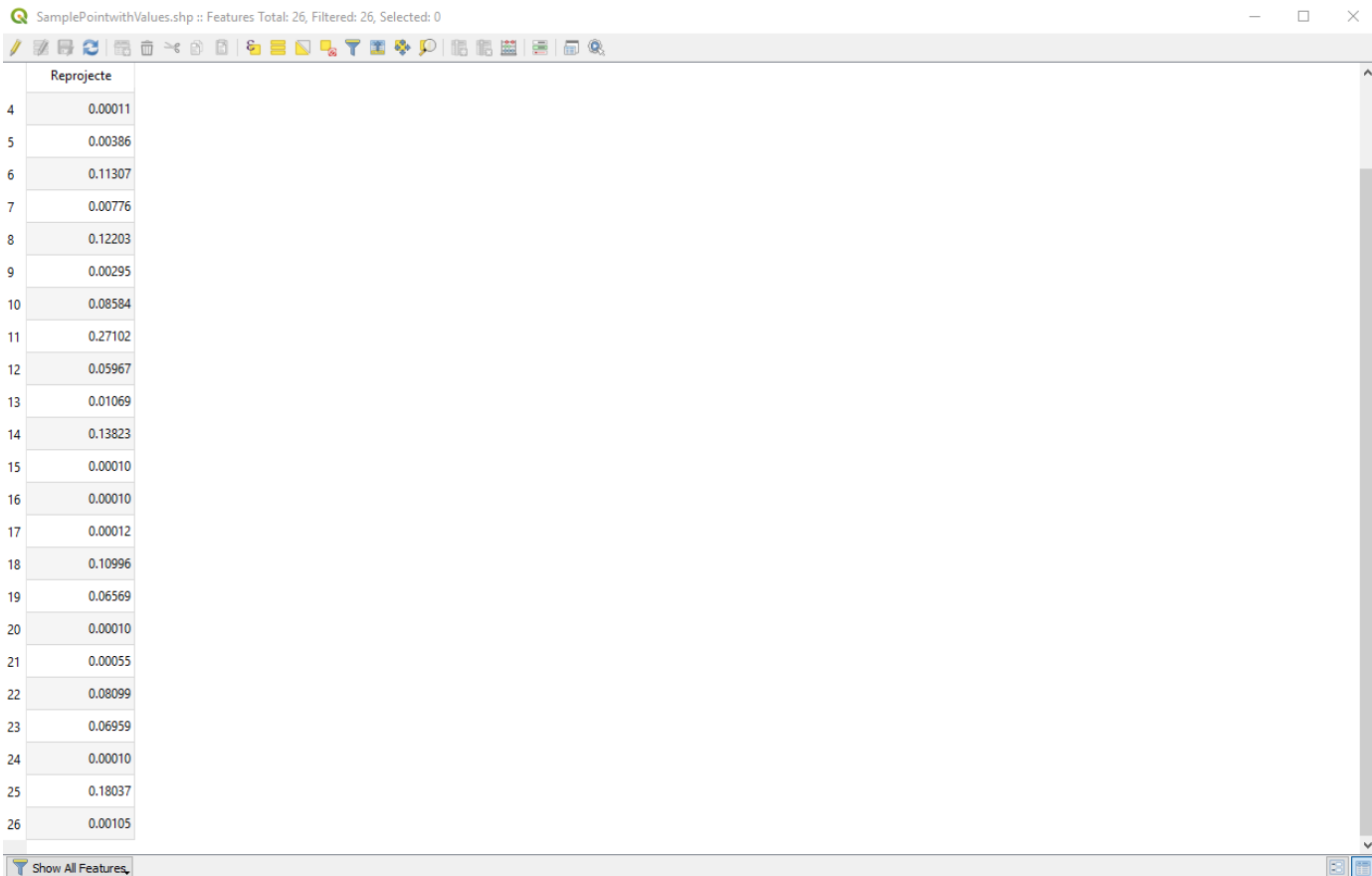
On top of the raster grid, add a point layer for which you wish to extract raster grid cell values.

In this case, we wish to know what the % Biovolume (heat map) is each of the black points where we collected rake samples of aquatic vegetation

Extract Values under Points the Point Sampling Tool plugin.
Select the sample points and vegetation raster layer and
give the output a name and location. Here we are
exporting as a point shapefile.



We now have the BV% (or raster cell value) for each of our sample points. This could be used to pull the BV% for any give points of interest e.g. a depth range.



The screenshot shows a GIS software window titled "SamplePointwithValues.shp :: Features Total: 26, Filtered: 26, Selected: 0". The window displays a table with 26 rows of data. The first column is labeled "Reprojecte" and the second column contains numerical values representing BV%. The values range from 0.00010 to 0.18037. The table is scrollable, and the bottom of the window shows a "Show All Features" button.

Reprojecte	BV%
4	0.00011
5	0.00386
6	0.11307
7	0.00776
8	0.12203
9	0.00295
10	0.08584
11	0.27102
12	0.05967
13	0.01069
14	0.13823
15	0.00010
16	0.00010
17	0.00012
18	0.10996
19	0.06569
20	0.00010
21	0.00055
22	0.08099
23	0.06959
24	0.00010
25	0.18037
26	0.00105