

Array to Raster

This notebook was used to convert the array made in Earthy to a raster using Arcpy. Pickle was used to upload the array.

```
In [1]: import arcpy
import numpy as np
import pickle
```

```
In [2]: arcpy.env.workspace = 'D:/Users/Owner/Documents/ArcGIS/Projects/Arc2_Pro
ject_4_25_2021/Arc2_Project_4_25_2021.gdb'
```

```
In [3]: filename = 'final_52_array.p' ##Pickle array.
with open(filename, 'rb') as filehandler:
    final_52 = pickle.load(filehandler)
```

```
In [4]: final_52
```

```
Out[4]: array([[0., 1., 1., ..., 1., 1., 1.],
               [1., 1., 1., ..., 1., 1., 1.],
               [0., 1., 1., ..., 1., 1., 1.],
               ...,
               [0., 1., 1., ..., 1., 1., 1.],
               [0., 1., 1., ..., 1., 1., 1.],
               [0., 1., 1., ..., 1., 1., 1.]], dtype=float32)
```

```
In [7]: Final_52_EP = arcpy.NumPyArrayToRaster(final_52, arcpy.Point(577000.000
000, 5193000.000000)) ##Array to raster: Array, and lower x and y valu
e.
Final_52_EP.save('D:/Users/Owner/Documents/ArcGIS/Projects/Arc2_Project
_4_25_2021/Arc2_Project_4_25_2021.gdb/Final_52_EP')
```

```
In [ ]:
```