

Dollar Bank Signature Book Entries from 1855



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Thesis

Dollar Bank asserts that “it is committed to providing services that reach low to moderate income areas within the communities we serve.” By Dollar Bank’s own claims, can this capta support their initiative to supporting low to moderate income communities?

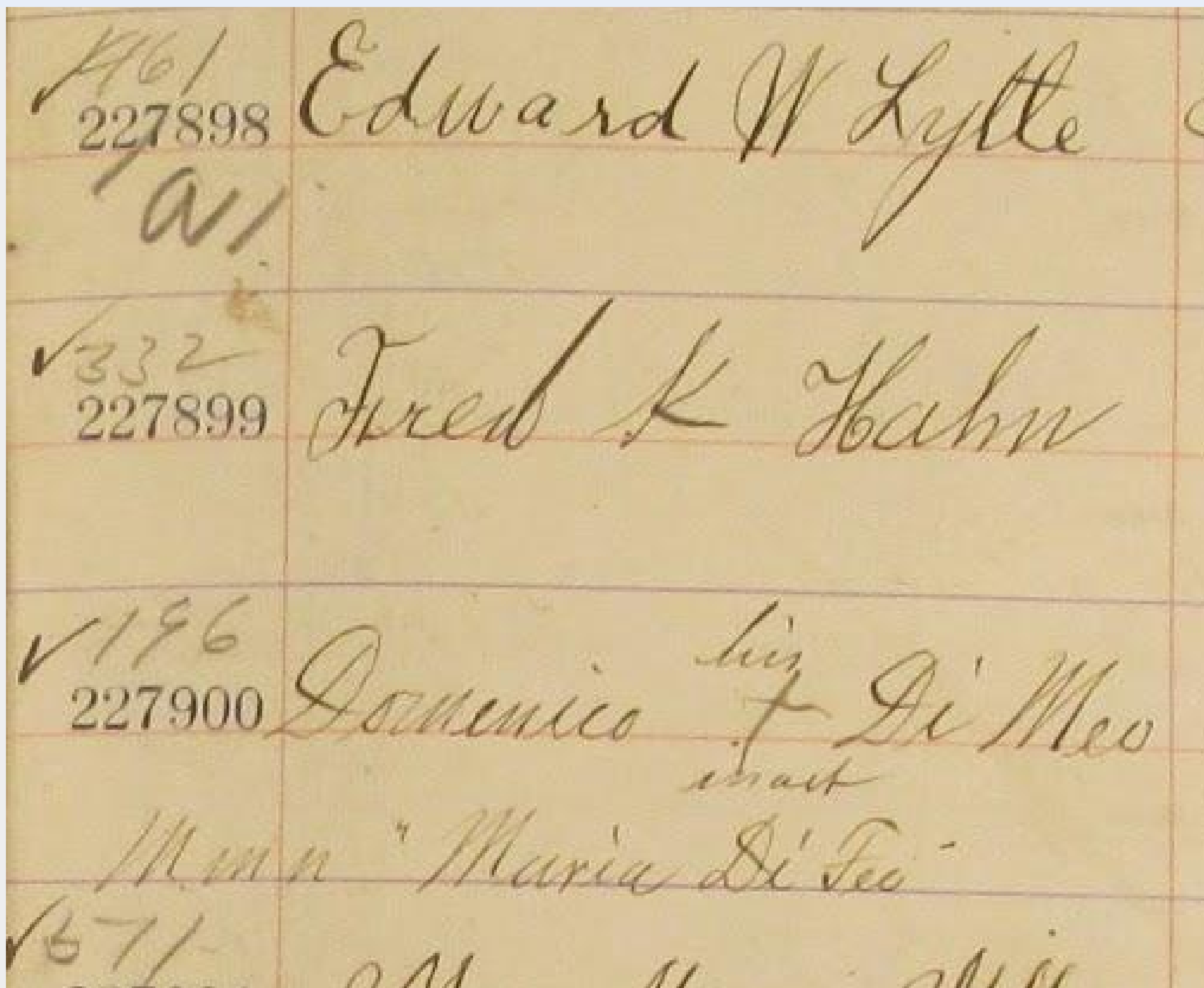


Figure 1. Signature Book entry excerpt

Captricity

The Dollar Bank Archive holds over 180,000 signature book entries over a 100 year period. Each entry includes an ID, name, age, occupation and residence. Captricity is a software used to “capture” these hand-written entries into tabular data. Currently, only 81 signature book entries are available.

Untitled1	Untitled field	Untitled field - 1	Untitled field - 2
NO.	Name	Age	—blank—
388061	JOHN LECSTER	51	Dentist

Figure 2. CSV File returned by Captricity



Figure 3. Captricity software recognition

OpenRefine

This data is then imported into OpenRefine, a tool that allows you clean-up your data, filter your data and geocode addresses using Google Map web services and API.

rows				
Occupation	Residence	Location	test	
Physician born Penna	Homeopathic Hospital Pgh	UPMC Shadyside Pittsburgh, Pennsylvania	{ "exclude_from_slo": true, "UPMC Shadyside", "types": "long_name": "Centre Avenue", "short_name": "Pitts", "type County", "types": ["adminis types": ["administrative_ar "country", "political"] }, { "lor "1304", "short_name": "130 Centre Avenue, Pittsburgh, -79.93712309999999 }, "sou -79.93949429999999 }, "loc -79.93712309999999 }, "sou "ChIJ3fuO3BXyNlgR3cZ0rb	
Miner born Penna	Dravosburg pa	Dravosburg, Pennsylvania	{ "exclude_from_slo": true, "Dravosburg", "types": ["lo types": ["administrative_ar "administrative_area_level_	

Figure 4. OpenRefine capta set with Geocodes.

ArcGIS

Using ArcGIS we created a Georeferenced map of Dollar Bank signature book entries between 1855-1950 using ArcGIS Online. This interactive map includes a basemap and an additional 13 map layers between 1835-1957, which provides a background of geographical context for the content displayed.

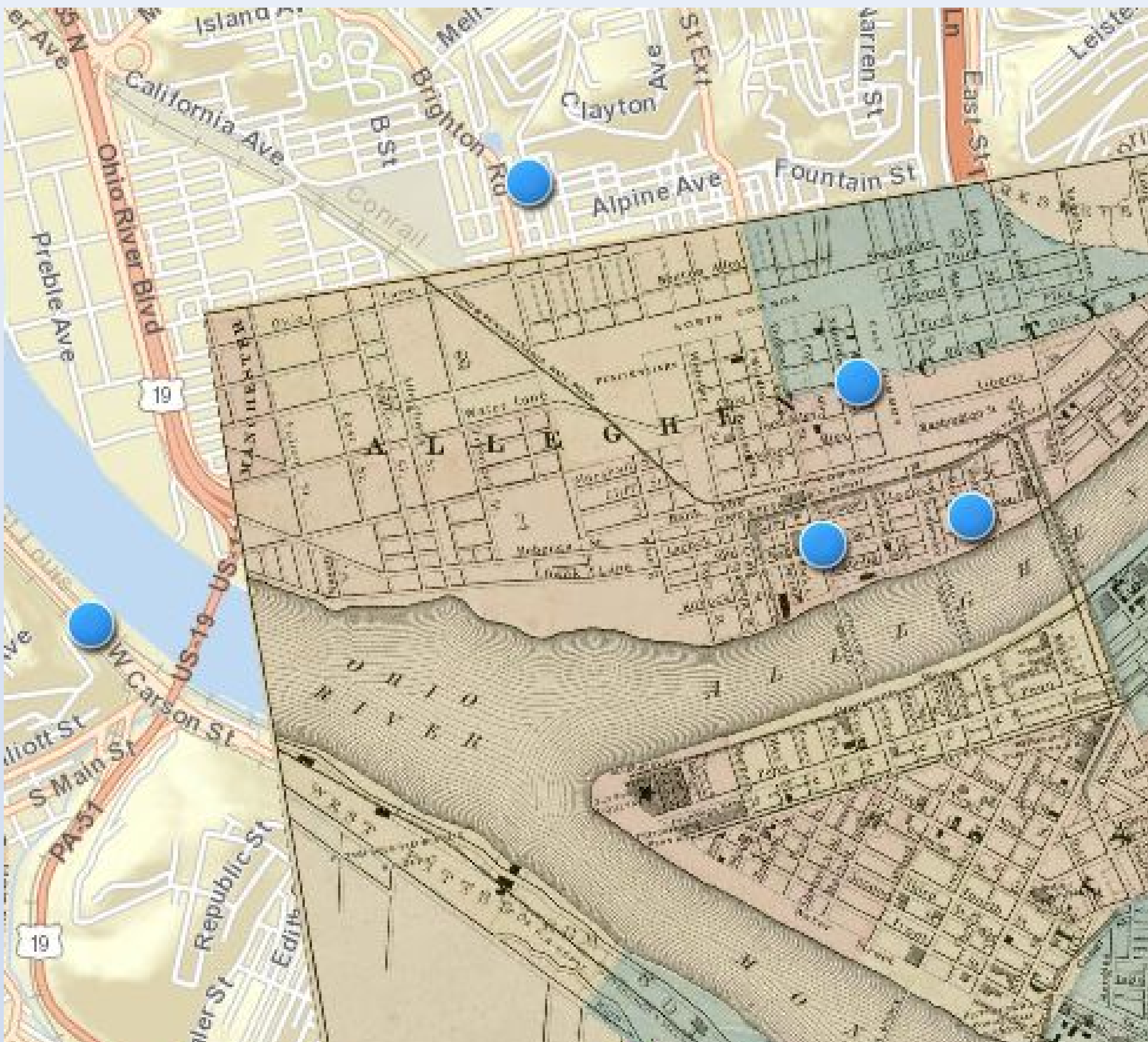


Figure 5. ArcGIS with 1855 map layer

We can begin to draw conclusions from plotted address data and crosswalk address data on historic to modern day maps using these map overlays.

References:

- Captricity, <https://captricity.com/what-we-do/>
- OpenRefine, <http://openrefine.org/documentation.html>
- ArcGIS, <http://www.arcgis.com/home/webmap/viewer.html?webmap=a475b7e4254247a394e9e5dc9a171071&extent=-80.0565,40.4249,-79.8769,40.4955>
- DollarBank, <http://www.dollarbank.com/about/timeline.aspx>