Historical Survey of Eastport

University of Maryland
College of Information Studies ("Maryland’s iSchool")
INST742: Implementing Digital Curation - Spring 2017
Feb. 6: Lisa Craig
Digital Curation Innovation Center (DCIC) @ UMD

Feb. 13: Scott Madry
QGIS Training

Feb. 27: LOC Map Room
Sanborn Map Digitization

Mar. 6 - May 8: DCIC Lab
Ten one-hour sessions
On Creating a PALS Eastport Property Inventory (PEPI)

- Combining 2 GIS zoning layers:
  - Single-Family Residence Neighborhood Conservation (R2-NC) District
  - Office and Commercial Design (OCD) Overlay

- Extracting intersecting Parcels and Parcel Points:
  - Created a PEPI to determine which houses to target (800+ points / 600+ parcels)

- Digitizing and incorporating the 2002 “EHT Traceries, Inc.” study of Eastport:
  - Section G. Geographical Data (pages 48-157), resulting in 759 house descriptions

<table>
<thead>
<tr>
<th>Address</th>
<th>Date</th>
<th>Property Type (Use)</th>
<th>Stories</th>
<th>Form/Style</th>
<th>Structural System</th>
<th>Roof</th>
<th>Outbuilding</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>505 Burnside Street</td>
<td>1930-1959</td>
<td>Residential (Single Dwelling)</td>
<td>2-1/2</td>
<td>Colonial Revival</td>
<td>Asbestos Shingles</td>
<td>Front Gable</td>
<td></td>
<td>Contributing in use, style, and date</td>
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</table>
#1 Field Work

- Methodology
  - Obtained GIS layers from Shawn Wampler:
    - R2-NC zoning district + OCD district
  - Created a PALS Eastport Property Inventory to determine which houses to photograph (817 polygons -- 624 parcels)
  - Traveled to Eastport and photographed in teams of two
  - Assigned file names using the format Grid#-Address-View-Date
  - Uploaded images into Box in folders by street name
  - Compared present images to 2002 EHT Traceries survey descriptions
  - Recorded in PALS Inventory the differences in property descriptions and current images
...Fieldwork

- Findings
  - Significant change since 2002 “EHT Traceries, Inc.” survey
    - Combination of community change and surveyor knowledge of architectural features
  - Up-to-date letter of introduction for surveyors to present to homeowners would be helpful
  - Photographing is the quickest part
  - File naming, quality control, and comparing past survey records to new photographs is very time consuming
  - Training/additional resources in architectural feature identification would be helpful
#2 Chain of Ownership Research

**Goal:** Use subset of addresses to complete a proof of concept method for collecting complete chain of ownership information for a set of addresses in Eastport

- **Time:** Each address took around 1.5 hours to do in-depth research
- **Tools:** [Maryland Land Records](http://example.com) website; Google Form: [Annapolis Home Ownership Survey](http://example.com) (converted from Jane McWilliams’ “Building History Manual” survey form), Google Sheets: [Group worksheet](http://example.com) for tracking progress; Annapolis Home Ownership Survey results
- **Results:** 50 properties surveyed in depth as a proof of concept.
methods:
- Created spreadsheet with proof of concept addresses assigned to each group member
- Created Google Form to capture each change of ownership modeled on paper form
- Used SDAT (State Dep. of Assessments & Taxation) to begin address search using first Liber and Folio numbers available
- Followed chain of Liber and Folio numbers in Maryland Land Records database until the trail went cold
- Moved onto next address
Chain of Ownership Research
Next Steps: Census Records

- Could provide more demographic information on historical homeowners.
- Would allow the collection of information on residents (renters, etc) who are not homeowners.
- Bring to light residents who might have been obscured by official records.
  - Women
  - Minorities
  - Extended Families
#3 Maps / GIS

**Step 1:** Digitizing Eastport Sanborn Maps at the Library of Congress

We purchased and tested new equipment: Nikkon DSL Camera / lenses / tripod / boom arm / Bananagrams & marbles...
GIS Step 2: Georeferencing of the Images

Placing ground control points (GCPs) on map a of Eastport from the 1878 Hopkins Atlas of Anne Arundel County.
After placing the control points, QGIS is able to overlay the historic map over the Google map.
Seven map pages from the 1930 Sanborn merged into a single map.
GIS Step 4: Overlaying GIS layers
Example Property:
505 Burnside
505 Burnside: Fieldwork
## 2002 Survey Comparison

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<tbody>
<tr>
<td>501 Burnside Street</td>
<td>1930-1959</td>
<td>Residential (Single Dwelling)</td>
<td>1-1/2</td>
<td>Colonial Revival Bungalow</td>
<td>Weatherboard</td>
<td>Front Gable</td>
<td></td>
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<td>503 Burnside Street</td>
<td>1930-1959</td>
<td>Residential (Single Dwelling)</td>
<td>1-1/2</td>
<td>Colonial Revival Bungalow</td>
<td>Stucco</td>
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<tr>
<td>507 Burnside Street</td>
<td>1905-1908</td>
<td>Residential (Single Dwelling)</td>
<td>2-1/2</td>
<td>Colonial Revival</td>
<td>Aluminum</td>
<td>Side Gable</td>
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<td>Contributing in use, style, and date</td>
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<tr>
<td>509 Burnside Street</td>
<td>1905-1908</td>
<td>Residential (Single Dwelling)</td>
<td>2-1/2</td>
<td>Colonial Revival</td>
<td>Weatherboard</td>
<td>Front Gable</td>
<td></td>
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</tr>
<tr>
<td>510-512 Burnside Street</td>
<td>1908-1913</td>
<td>Residential (Twin Dwelling)</td>
<td>2-1/2</td>
<td>Vernacular Queen Anne</td>
<td>Weatherboard/ Aluminum</td>
<td>Front Gable</td>
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### Asbestos
Fibers of the mineral chrysotile, an excellent heat insulator. — Bucher

### Asbestos Shingle
A shingle composed of cement reinforced with asbestos fibers, manufactured in the early-late 20c in various sizes, shapes, and textures. — Bucher
505 Burnside: Chain of Ownership

13 recorded transfers:

- Henry Lockwood (*unknown* - 1894)
- William and Sarah Burns (1894 – 1925)
- Rose and John Parkinson (1920 – 1930)
- Dorsey and Cora Pindell (1930 – 1941)
- Adolph and Francis Climes (1941 – 1961)
- Kenneth and Louise Rogers (1961 – 1975)
- Louise Rogers (1975 – 1993)
- Annapolis Specialty Houses Inc. (June – July 1993)
- Matthew Newkirk and Mary O'Hara (2003 – 2009)
- Jean C. Tuller (2009 – 2016)
- Stephen S. Webster (Current Owner)
Next Steps: eVis

- Event Visualization Tool
- Can incorporate images and other data such as our chain of custody data in a database to add points to map the data
- eVis Browser then provides a means to view the data together on the map.
Final Products

- **Digitized & Searchable City Directories:**
  - 1910, 1924, 1928-29, 1939, 1956
  - with Eastport “datafied”

- **New GIS layers:**
  - Hopkins Atlas of AAC Eastport map: 1878
  - Integrated Sanborn GIS layers for Eastport:
    - 1903, 1908, 1913, 1921, 1930, 1959

- **Complete Photo Inventory of Eastport**

- **Complete Updated Architectural Survey**

- **Deep Chain of Ownership Documentation & Methodology for**
  subset of properties

- **Complete 1940 Digitized & Searchable Individual Household Census records for Eastport:**
  - 1930, 1920, 1910 & 1900 in progress

- **ArcGIS Online Demo & QGIS Desktop Demo**

- **Integrated Eastport Inventory of Properties Form**

- **Location / Parcel map / Owner / Tenants / Profession / Race (pre-1940s) / Legal desc. / Architectural desc. / Chain of ownership / Photo**