

**Mid-Atlantic Megalopolis TCN
Quarterly Progress Report¹
November 2019 – January 2020**



Progress in Digitization Efforts: Figure 1 shows progress over time for the MAM Project by changes in the number of both specimens entered into workflow and completely digitized specimens (= imaged + transcribed + georeferenced) against the number of specimens promised to NSF for the project. The current numbers for progress of digitization efforts by specimen category for each herbarium are shown in Table 1 and Figure 2. Although updated progress for HUDC and NY are no longer included in these reports as they closed their NSF grants on the MAM Project as of 31 August 2019, their total numbers of specimens completed in the MAM Project to that date are still reported in Figure 1 and Table 1 in the interest of showing project totals.

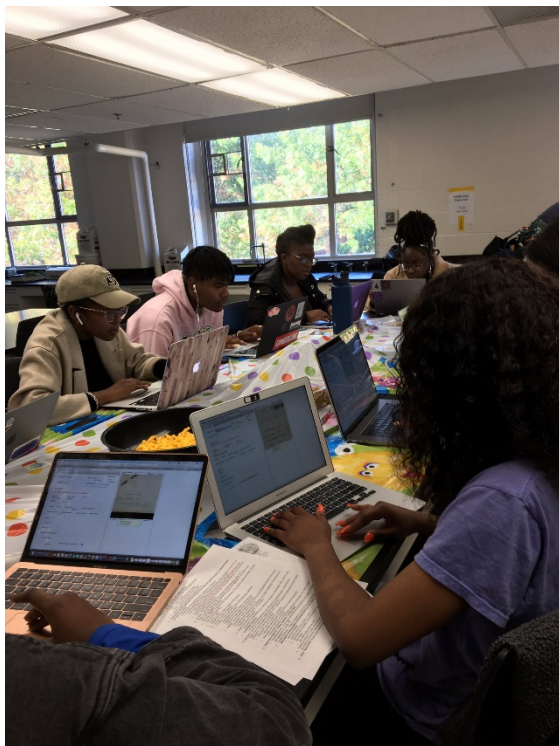


Figure 1. The Plant Diversity class at Howard University (HUDC) works on transcribing records for Delaware State University (DOV) with guidance from Dr. Janelle Burke.

Share and Identify Best Practices and Standards:

Nothing to report.

Identify Gaps in Digitization Areas and Technology:

Nothing to report.

Share and Identify Opportunities to Enhance Training Efforts:

Nothing to report.

Share and Identify Collaborations with other TCNs, Institutions, and Organizations:

Nothing to report.

Share and Identify Education and Outreach Activities:

Students in the General Botany course at Delaware State University were introduced to the virtual herbarium of DOV and helped transcribe roughly 2,435 records as part of their coursework in the fall semester. CHRHB has been doing herbarium outreach and tours with various groups, including the Rutgers University Plant Ecology course (50 students), Willowood Arboretum, Morris County Park Commissions, and New Jersey Department of Environmental Protection. As part of WeDigBio, HUDC held a transcription blitz to help transcribe records for their fellow HBCU herbarium, DOV, with about 10 students transcribing about 250 records in total (see

photo at left). PAC held three transcription events, one as a part of a regular workshop series, one for the Pennsylvania Native Plant Society, and a third in conjunction with WeDigBio. [The PAC and HUDC activities were missed in the last quarterly report.]

¹ Throughout this report, herbaria are referred to by their Index Herbariorum acronyms, which correspond to institutional names as follows: BALT = Towson University, CHRHB = Rutgers University, CM = Carnegie Museum, DOV = Delaware State University, HUDC = Howard University, MARY = University of Maryland, MCA = Muhlenberg College, MOAR = Morris Arboretum of the University of Pennsylvania, NY = New York Botanical Garden, PAC = Pennsylvania State University, PH = The Academy of Natural Sciences of Drexel University, SIM = Staten Island Museum, TAWES = Maryland Department of Natural Resources

Other Progress: Nothing to report.

Figure 1. Progress over time for MAM Project.

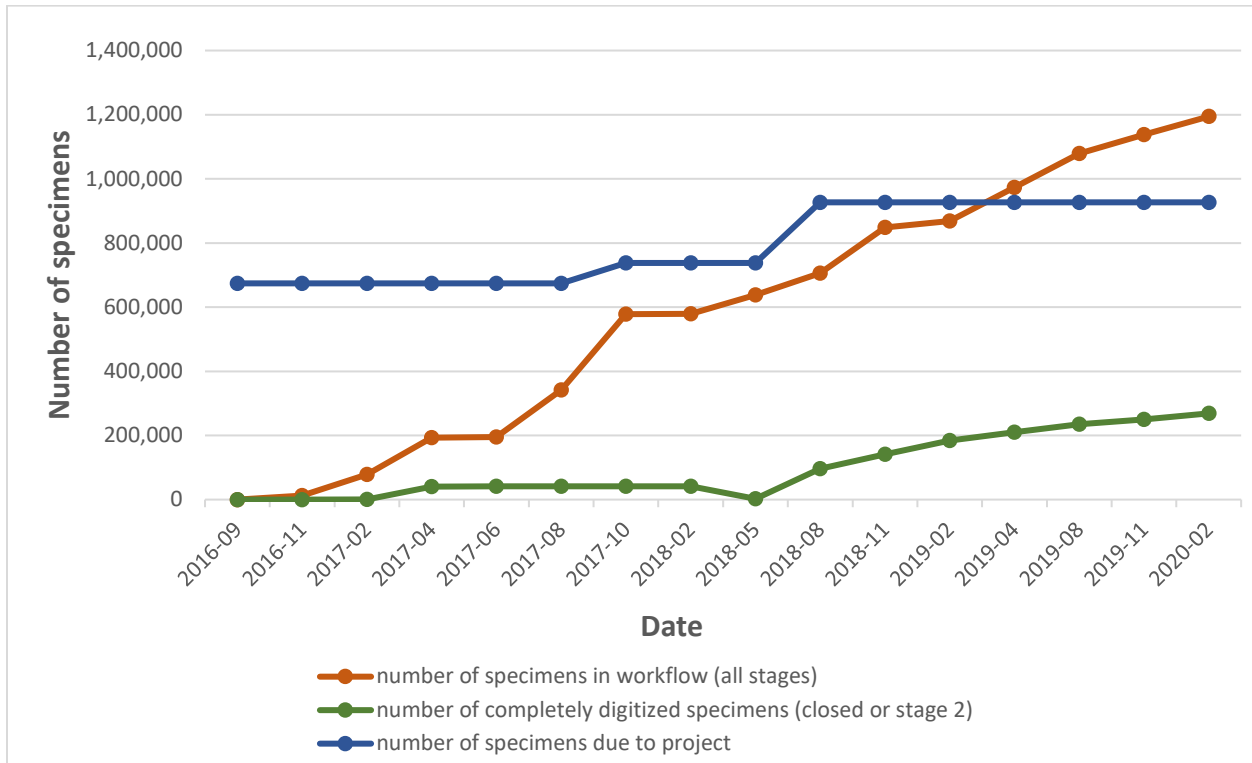


Table 1. Digitization of specimens by stage of completion and herbarium for MAM TCN.

| Specimen Stage | Herbarium | | | | | | | | | | | Totals |
|--|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|--------------|---------------|---------------|------------------|
| | BALT | CHRB | DOV | MARY | MCA | MOAR | PH | SIM | TAWES | PAC | CM | |
| # specimens imaged ¹ | 30,000 | 1,003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 615 | 37,456 | 69,074 |
| # specimens as above and uploaded to Symbiota along with skeletal data; transcription/review may be in progress ² | 6,570 | 46,155 | 26,177 | 5,114 | 0 | 27 | 243,909 | 0 | 34 | 38,153 | 0 | 515,900 |
| # specimens as above + completely transcribed and transcription reviewed ³ | 0 | 19,277 | 25,044 | 4,036 | 0 | 185 | 201,055 | 1,037 | 3,362 | 12,485 | 10,257 | 335,208 |
| # specimens as above + georeferenced ⁴ | 0 | 0 | 2,079 | 35,763 | 51,009 | 20,335 | 5,268 | 15,997 | 149 | 0 | 50,436 | 267,597 |
| # specimens that need special attention, e.g. go back to sheet ⁵ | 127 | 0 | 0 | 124 | 2 | 534 | 351 | 3,857 | 86 | 0 | 32 | 5,280 |
| # specimens imaged, uploaded, transcribed BUT not able to be georeferenced ⁶ | 2 | 0 | 0 | 102 | 52 | 41 | 6 | 848 | 13 | 0 | 0 | 1,202 |
| Totals | 36,699 | 66,435 | 53,300 | 45,139 | 51,063 | 21,122 | 450,589 | 21,739 | 3,644 | 51,253 | 98,181 | 1,194,261 |

Processing Status in the MAM Portal: ¹ No stage, not in Symbiota yet; ² Unprocessed + Expert Required + Pending Review; ³ Stage 1; ⁴ Stage 2; ⁵ Stage 3; ⁶ Closed

Figure 2. Percentage of specimens by stage of completion and herbarium for MAM TCN. With this presentation of digitization progress, the final goal for each institution is to have a mostly green column above the X axis (could potentially have orange up to roughly 10%). Specimens not yet in workflow are set as negative numbers.

