

GREAT LAKES INVASIVES TCN – Bi-Monthly Report Through Sept. 15, 2015

Our four regional processing centers (NY Botanical Garden, Field Museum, Univ. of Michigan, and Univ of Wisconsin-Madison) report the following from their constituents:

1) Progress in Digitization Efforts TO DATE

PLANTS:

- Specimens Barcoded Only (not photographed yet): 1000 (WIS) + 42,090 (NY) + 18,358 (ILLS) = **61,448**
- Imaged only AND image uploaded to the portal (i.e., no data record yet): 6608 (OSU) + 9804 (ALBC) + 33,618 (MIN) = **50,030**
- Imaged only but image not yet uploaded to the portal: 36,027 (NY) + 21,744 (F) + 18,358 (ILLS) + 5924 (MIN) = **82,053**
- Databased only (skeletal or complete record) AND data uploaded to a portal (i.e., but not imaged yet): 6613 (MOR) = **6613**
- Databased only but not yet uploaded to a portal: 69,462 (NY) + 30,588 (F) + 28,571 (ILLS) + 9624 (MOR) = **138,245**
- Imaged and Databased but not yet uploaded to a portal: 33,054 (MICH)
- Both Image AND a Data Record Uploaded to iDigBio, to the GLI portal directly, or to another Symbiota portal: 59,000 (NY) + 16,800 (MICH) + 18,906 (TRT) + 3412 (CMC) + 38,253 (ILLS) + 10,219 (MOR) + 20,365 (MIN) + 79,535 (WIS) + 60 (ILL) + 10,230 (OAS) + 504 (QUE) + 13321 (QFA) + 1286 (JBM) + 35,383 (MT) + 7386 (MSC) + 26,521 (UBC) + 5745 (WIN) + 10,920 (TRTE) + 7255 (UWM) + 17,546 (MU) = **382,647**

FISH:

- Imaged only AND image uploaded to a portal (i.e., no data record yet): 0
- Imaged only but image not yet uploaded to a portal: 1117 (F) + 450 (ILLS) = **1567**
- Databased only (skeletal or complete record) AND data uploaded to a portal (i.e., but not imaged yet): 24,000 (ILLS) + 4709 (F) = **28,709**
- Databased only but not yet uploaded to a portal: **200,000** (MICH: UMMZ) complete, but waiting for corresponding images to be completed before uploading
- Both Image AND a Data Record Uploaded to iDigBio, to the GLI Portal directly or to another Symbiota Portal for editing before transfer to GLI Portal: 262 (MICH: UMMZ) + 3522 (OSU) + 1371 (MIN) = **5155**

MOLLUSKS

- Imaged only but image not yet uploaded to a portal: **3345** (MICH: UMMZ)
- Databased only (skeletal or complete record) AND data uploaded to a portal (i.e., but not imaged yet): **2000** (ILLS)
- Databased only but not yet uploaded to a portal: **16,688** (MICH: UMMZ)
- Both Image AND a Data Record Uploaded to iDigBio, to the GLI Portal directly or to another Symbiota Portal for editing before transfer to GLI Portal: **855** (MICH: UMMZ)

2) **Share and Identify Best Practices and Standards (including Lessons Learned)** Nothing to report

3) **Identify Gaps in Digitization Areas and Technology**

Having institutions from our region transfer images to us has proven to be somewhat complicated. We used Google Drive, since UMICH has unlimited space, but it was a bit convoluted to successfully download 19,000 images/160 GB from MU, since Google Drive limits the size of each download to a 2 GB zip file. Therefore, had to use a special computer program to do this. (MICH)

4) **Share and Identify Opportunities to Enhance Training Efforts**

The Field and Morton are working in tandem with the N.W. Harris Learning Collection at the Field Museum to develop an “Experience Box.” This learning tool will be on loan available to area teachers. The Experience Box will contain lesson plans and tangible specimens for students to learn from hands on experience. The included specimens will represent native and non-indigenous species and provide valuable resources for students to generate real, meaningful data. As of September 15, we have had an initial meeting with the Field Museum educational staff and are planning regular meetings arranged to facilitate further collaboration. At the initial meeting we were introduced to examples of existing Experience Boxes and the loan system already in place at the Field Museum.

Two members of this TCN attended an iDigBio workshop on data management and digitization. This provided us with an opportunity to learn new skills as well as discuss issues and help other researchers working in other TCNs or other digitization projects.

5) **Share and Identify Collaborations with other TCNs, Institutions, and Organizations** We have been working with a few other institutions that are considering submitting a PEN proposal. At least one is likely to.

6) Share and Identify Opportunities and Strategies for Sustainability

Nothing to report

- 7) **Other Progress (that doesn't fit into the above categories)** Obtained 19,000 images and their corresponding skeletal records from MU; uploaded 17,800 of those images + records to the portal. (MICH).

Records were obtained from several Canadian herbaria during this period, thereby contributing to the large increase in plant specimen numbers.