What's New in Release 2.9

We have packed some great new features into this release that better align DataStore content with the principles of Open Data! Read on to learn about:

- Automatic DOI Registration for Datasets
- Advanced Taxonomy Search
- Ecological Metadata Language (EML) File Extraction to Instantly Populate Data Packages

Automatic Digital Object Identifier (DOI) Registration for Datasets

Digital Object Identifiers (DOIs) are persistent identifiers that direct users to digital information products in a permanent, consistent way. DOIs facilitate attribution and provide the means to effectively share and disseminate scholarly research output.

- DataStore now registers DOIs with DataCite, a DOI provider, automatically upon reference activation for most dataset reference types and scripts.
- Reference Types with this functionality are:
    - Data Package
    - Geospatial Dataset
    - Tabular Dataset
    - Generic Dataset
    - Vector Dataset
    - Raster
    - Script
- DataStore can assign an NPS-sourced DOI or the user may enter an existing DOI from a non-NPS source, such as from USGS or a scholarly publisher.
- The DOI for NPS-sourced datasets always has the prefix 0.57830. The suffix is the reference ID.
- The DOI field is found at the bottom of the Core tab. None is selected by default.

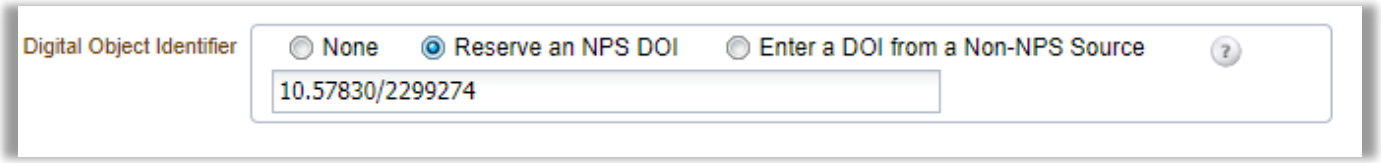


Figure 1 The DOI field when Reserve an NPS DOI is selected.

- To get a DOI, users must complete more required fields in DataStore than were required prior to this release. Required fields for most dataset reference types include Title, Date Published, Creators, Created By or For the NPS, Publisher, and Description. Specific fields required are detailed in the Help document.

Advanced Taxonomy Search

A new and improved search for references containing taxonomic information has been added to the Advanced Search tab.

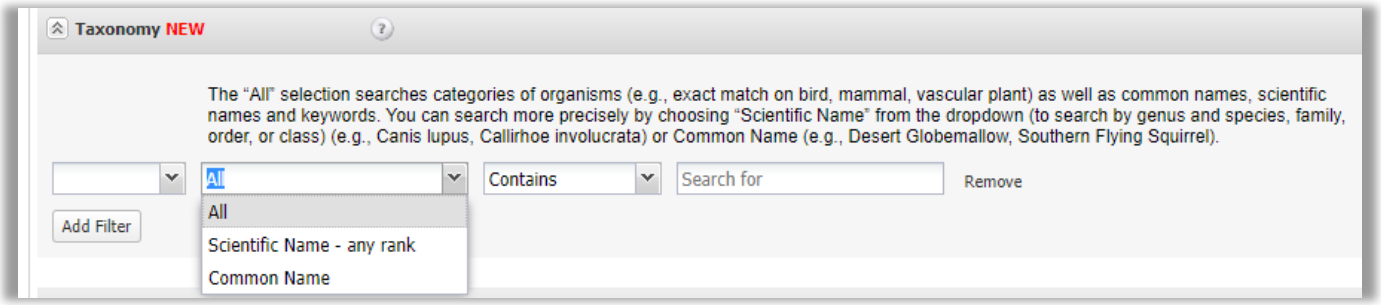


Figure 2 The Taxonomy Search is available on the Advanced Search page.

- A user can search by All, Scientific Name – any rank, or Common Name.
    - All searches on categories of organisms (e.g., bird, mammal, vascular plant), as well as common names, scientific names, and keywords.
    - Scientific Name - any rank searches by genus and species, family, order, and class.
    - Common Names searches by common names.
- The search can be constrained by selecting Contains, Starts With, or Exact Match.

EML Extraction Automatically Populates Data Package References

The data package reference type is the NPS' flagship data product that aligns with the principles of Open Data. Data package files include one Ecological Metadata File (EML) file containing structured metadata and one or more .csv files. Data package creators may now extract the EML file to automatically populate almost all the DataStore metadata fields, reducing the burden of metadata entry on the user.

How It Works:

- The user uploads an EML file and one or more .csv files to a data package reference.
- The user selects the EML file and then selects the Extract Metadata button.
- If the EML contains all required metadata and no errors in the file structure, all the metadata in the EML file will be imported. If an error is found, metadata import does not occur and DataStore supplies helpful messages to tell the user how to resolve the issue.

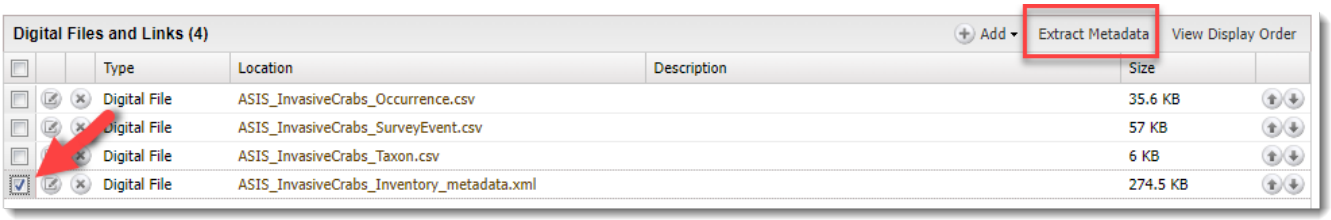


Figure 3 To populate the reference with metadata, the user needs to choose the EML file and click on the Extract Metadata button.

For More Details About the Process:

- Please see the Help documentation.

New Features in the Data Package Reference Type:

- A successful import captures far more detail about the data tables than any other dataset reference type does. These details include:
    - Units and Geography Tab:
        - NEW: The Units and Geography Tab displays point locations in the Geography panel. Clicking on a point displays its ID. (Figure 4)
    - Profile Page:
        - NEW: A list of the variables in a data file can be displayed by picking the file and then clicking the Show Data Table Info button.(Figure 5)
    - Methods Tab:
        - NEW: Methods for collecting and processing the data are displayed on the new Methods tab.(Figure 6)

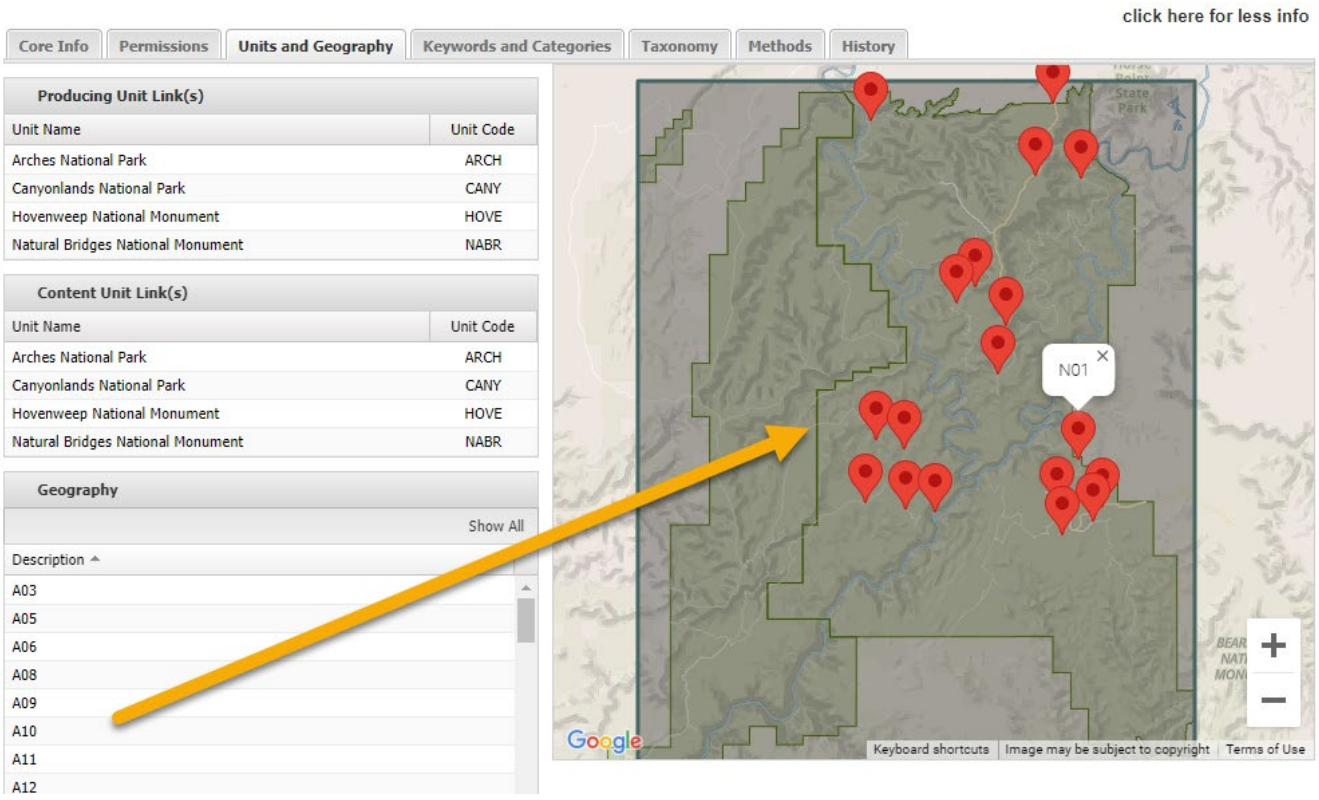


Figure 4 The Geography panel displays point locations.

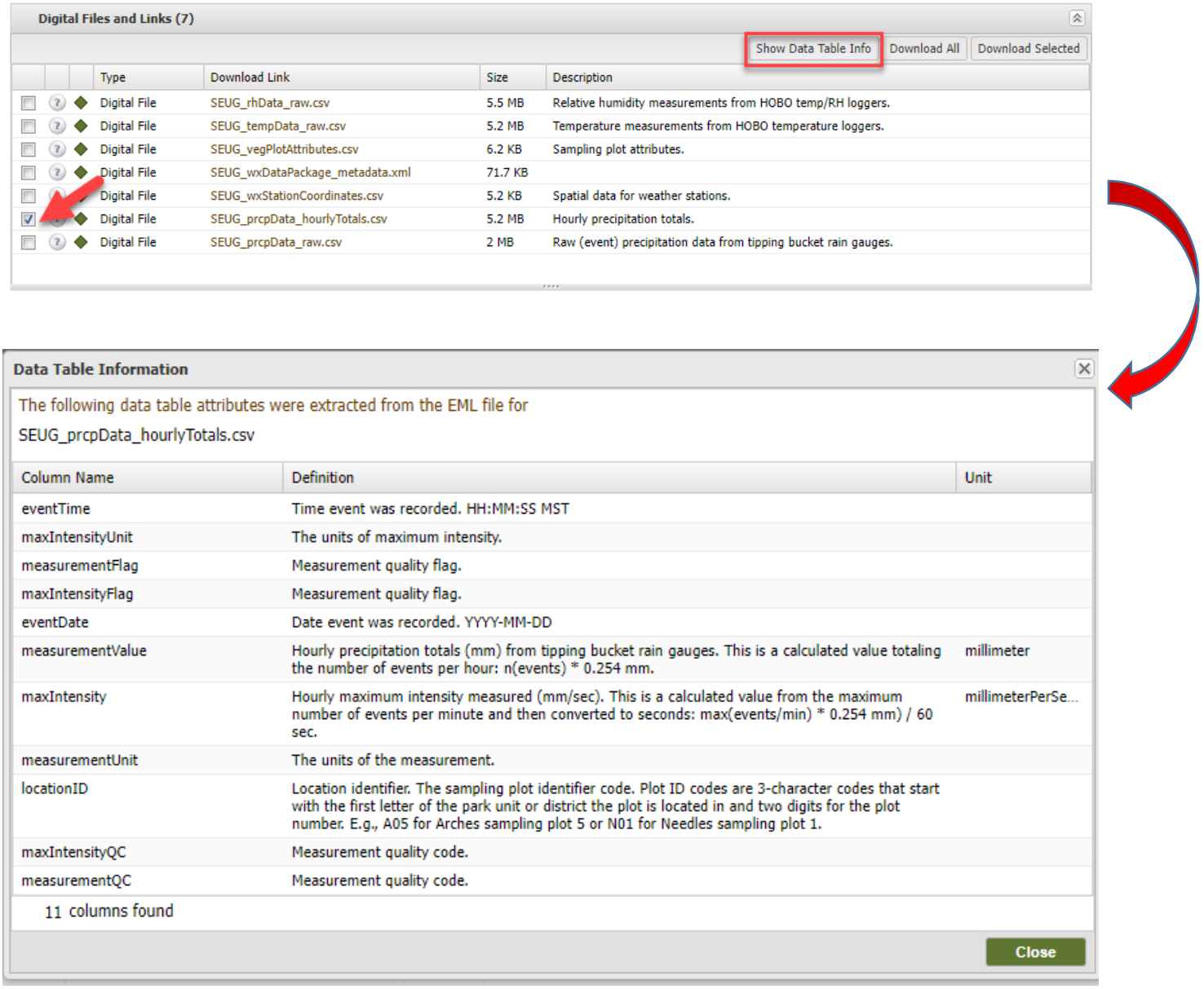


Figure 5 Choosing a .csv file on the Profile page and clicking Show Data Table Info displays column names, descriptions, and units for the columns in the data table.

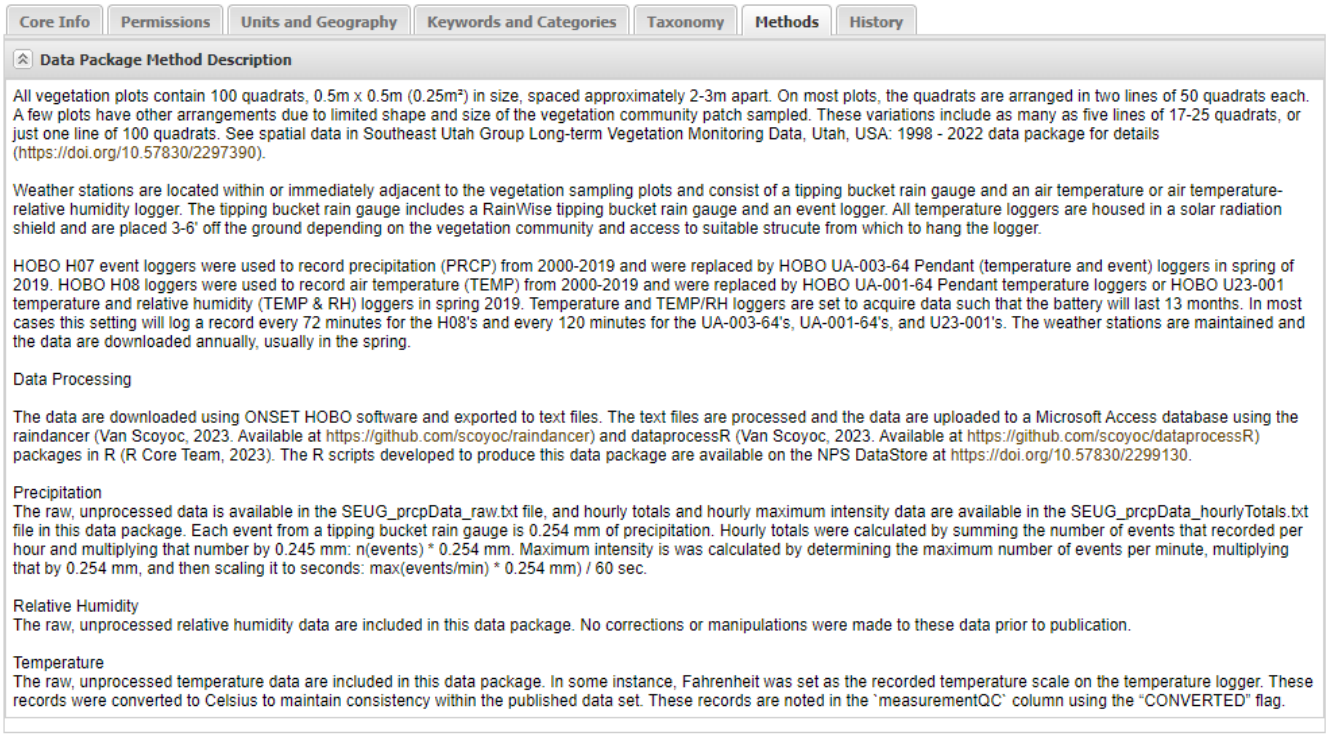


Figure 6 A new tab displays the methods used to collect and process the dataset.

Notable Change to GUI Publisher Field

Choose Publisher from a Dropdown List or Type in Another Publisher:

- Publisher can now be selected from a dropdown list, in which National Park Service is selected by default:

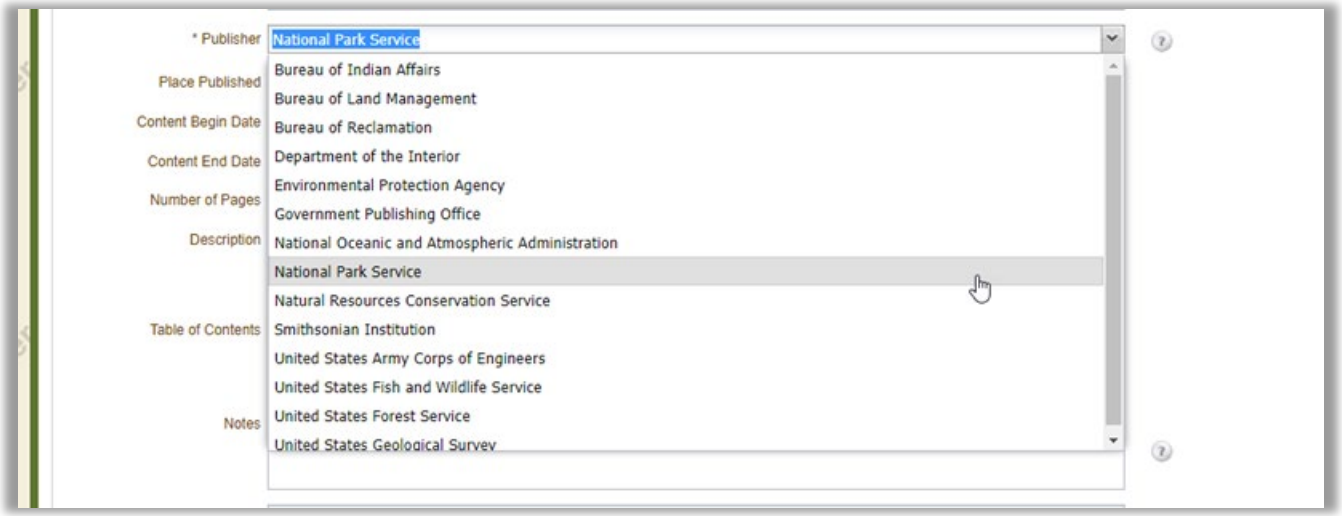


Figure 7 Publisher can be selected from a dropdown list, with the default as National Park Service.

- OR, the user can delete National Park Service and enter the organization of their choice:

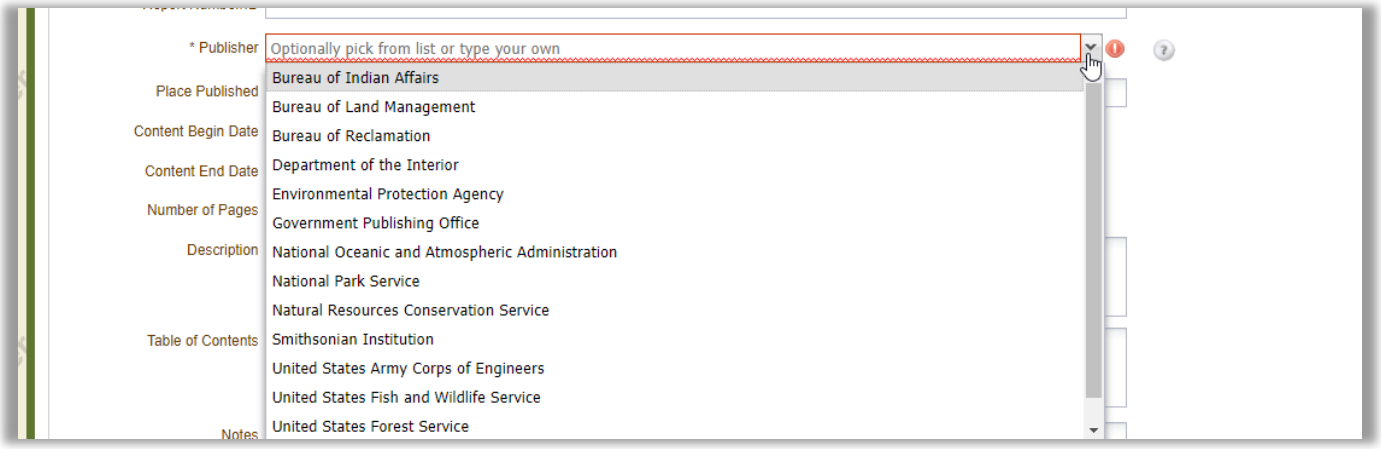


Figure 8 By deleting the default entry of National Park Service, the user can enter an organization not listed.