



Voyager Search User Guide

Version 1.9.3

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Introduction

What is Voyager?

Voyager is a powerful search solution that combines a comprehensive knowledge of geospatial data with web style search.

With Voyager, users can easily find GIS datasets, images, maps, layers and other documents (Word, PowerPoint, PDF) stored on their desktop, on servers or on the web. This can greatly reduce the time users need to spend searching for information.

How Does Voyager Work?

Voyager runs as a server-based solution, accessed through any web browser. In both configurations Voyager fits within existing workflows and IT environments through an easy to install and easy to configure interface.

Collectively Searches all Content

Voyager provides the ability to search all geo-spatial content in an enterprise, although content sources might reside in different locations such as on a desktop, network file server, corporate database servers or web servers running internally or on the World Wide Web. All of the data appear as a single, integrated set of search results.

Creates a single index (catalog)

Voyager builds a comprehensive catalog of resources regardless of where data is stored, and does not require metadata or any system downtime. The catalog created by Voyager does not create a copy of the data, it simply finds it, makes a record of what it finds, and displays everything in a clean, easy to use interface.

Once the catalog is created users can search for content using text, spatial and filtered queries.

What Can Voyager Do?

Voyager's universal search openly integrates data from anywhere in the organization using a single search solution. With Voyager you can:

Quickly index GIS data, maps and office formats (PDF, Word, and Excel etc.) on your own computer or across enterprise servers

Search for data and maps using full text and spatial queries as easily as you search the web

Immediately preview the results of your search through thumbnails and instantly use your selected items in a variety of GIS applications

Use search results in daily tasks such as adding data to ArcMap, extracting data to share with colleagues or use in the field, editing metadata, converting search results to KML, etc.

Voyager allows you to index and then search all of your GIS resources whether they are on your local file system, network shares or across the Internet. Once content is indexed, voyager streamlines a variety of daily tasks.

For people who are not familiar with specialized GIS software or simply have data in a variety of places, Voyager is the perfect solution for providing information on maps, datasets and GIS services when you want it – right on your desktop. Voyager improves productivity by providing easy access to all of your GIS resources.

Voyager makes publishing a searchable index of available GIS resources within a team, across an organization or over the Internet as easy as a single step. With Voyager you can quickly index and publish the maps and datasets that you wish to share. Voyager serves as a GIS portal.

Voyager creates a rich, searchable index by crawling your datasets, layers, maps and GIS services. It is because of this that Voyager surpasses traditional GIS portals by offering a richer index by including items which traditional portals ignore such as map layers and map documents. Voyagers modern search interface is easy to use and makes searching your organization's GIS resources as easy as searching the web.


Voyager helps answer

- How many datasets do I have?
- How many duplicate datasets are there?
- Which datasets are large? Which are small?
- What spatial references am I using?
- Which datasets are most commonly used in my maps?
- Which resources are slow to access? Slow to draw?

All of these questions can be answered within the search window. Searches can be saved and then re-run or shared with other users. Search results can also be viewed as RSS feeds enabling you to be updated as changes occur.

The Voyager Interface

The Voyager display is composed of a few basic components, including a textual search box, a toolbar containing some helpful menus, a search results area, an overview map, and filters, all of which will be explained in this section.



The screenshot shows the Voyager Search interface with several components highlighted by red boxes and labels:

- Search Box:** A text input field at the top center of the page.
- Overview Map:** A map of the United States on the right side, showing a zoomed-in view of California.
- Search Results:** A list of search results on the left side, including:
 - Base_Remote_Sensing/NAIP_2009:** Aerial imagery from 2009.
 - Mosaic/AerialMostRecentHighestQualityComposite:** A mosaic of aerial imagery.
 - Base_Remote_Sensing/California_CIR_2005_NDVI:** Normalized Difference Vegetation Index (NDVI) from 2005.
 - Base_Remote_Sensing/California_CIR_2005:** Color infrared (CIR) imagery from 2005.
- Filters:** A section on the right side titled "Refine Your Search" with various filter options:
 - Format Category:** GIS (257), Office (0), Other (0), Source Code (0).
 - Format Type:** Service (257).
 - Format:** ImageService (257).
 - Properties:** Spatial Data (257).
 - Spatial Reference:** EPSG:WGS 84 / Pseudo-Mercator (94), EPSG:NAD83 / UTM zone 12N (60), EPSG:NAD83 / Oregon Lambert (ft) (26), EPSG:NAD83(HARN) / Oregon North (ft) (25).

Searching for Data

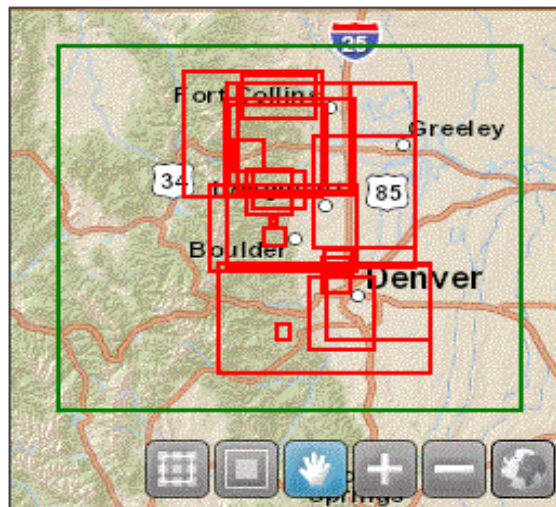
Searching for data can be done in different ways. Voyager provides filters, which can be used to narrow your set of results to just the data you are looking for. Another option is to do a textual search using the search box. You can also search by selecting an area from the Overview Map.

Filtering Data

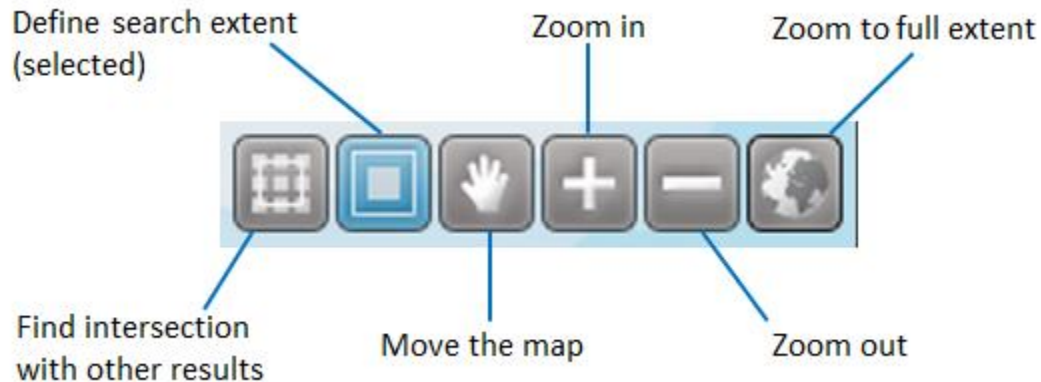
Below the Overview Map is a list of Filters, which are used to refine a search. Within the Filters section, Field Statistics shows the total size, average size, and deviation for all files in the index. See **Configuring Filters** for information on how to customize the filters.

Searching by Area

By default, Voyager displays all of the search results on the Overview Map. To search an area (extent), click and drag a rectangle on the map. Voyager will display search results for that area. The green lines outline the search extent and the red lines show the results within that extent.



The map has the following controls (the selected control will be highlighted):



Searching with Text

Use the search box for text queries. By default, Voyager searches over all text (including metadata) for matching items. Results that match the title or path are ranked above results matching any other text.

Boolean Searches

Voyager supports the Boolean operators **AND** and **OR**.

OR

The OR operator is the default search operator. This means that if there is no operator between two terms in a search, the OR operator is used. The OR operator links two terms and finds a matching document if either of the terms exist in a document.

EXAMPLE: to search for documents that contain either "Florida highways" or just "highways" use the query:

"Florida highways" highways

or

"Florida highways" OR highways

AND

The AND operator matches documents where both terms exist anywhere in the text of a single document.

EXAMPLE: to search for documents that contain "rivers" and "lakes" use the query:

rivers AND lakes

Searching by Field

When performing a search you can either specify a field name, or use the default search, which uses many fields. You can search any field by typing the field name in lowercase followed by a colon ":" and then the term you are looking for.

Searching by field names only produces results that match the particular field specified. For example, to search for any documents with "Rivers" in the name field and "Florida" in the path field, use the query:

```
name:rivers AND path:Florida
```

Note: The field is only valid for the term that it directly precedes, so the query

```
name:major cities
```

Will only find "major" in the name field. It will find "cities" using the default search which uses many fields.

To search for 2 or more terms in a field name, quotes around the text are required.

EXAMPLE: to search the name field for "major cities", use the query:

```
name:"major cities"
```

Searching by Path

Paths in Voyager can either be searched for using the standard field selection operator ":", or a special "=" operator that matches folders explicitly.

EXAMPLE: Using the standard "path:" syntax, the query is looking for words in the path.

```
path:Desktop
```

Will return items with "Desktop" in the path.

EXAMPLE: Using the "=" operator will find files explicitly in a folder. For example:

```
path=F:\Desktop\NJ DEP\NJ100mhillshd\nj100mhill
```

Will find all results under this folder. Additionally, the **path=** syntax triggers a special Path Navigation UI.

Searching with Wildcards

Voyager supports single and multiple character wildcard searches within single terms.

- To perform a single character wildcard search use the "?" symbol.
- To perform a multiple character wildcard search use the "*" symbol

The single character wildcard search looks for terms that match that with the single character replaced.

EXAMPLE: To search for "text" or "test" you can use the search

te?t

Multiple character wildcard searches looks for 0 or more characters. For example, to search for counties or countries, you can use the search:

count*

Escaping Special Characters

Voyager supports escaping special characters that are part of the query syntax. The current list special characters are:

+ - && \|\| \! () { } \[\] ^ " ~ * ? :

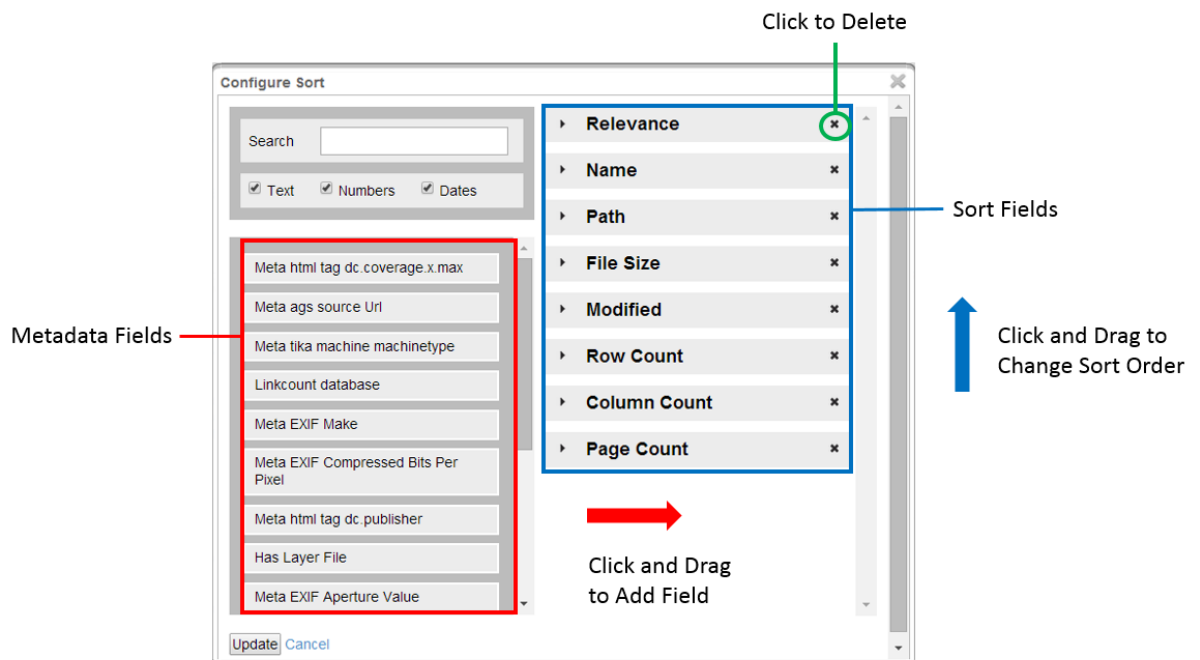
To escape these character use the \ before the character.

EXAMPLE: To search for (1+1):2 use the query:

\(1\+1\):2

Sorting Search Results

The Sort tab has a list of sorting options so you can see results in the way that makes most sense to you. To change sorting options, select **Configure Sort** from the **Settings** options under the **View** menu.

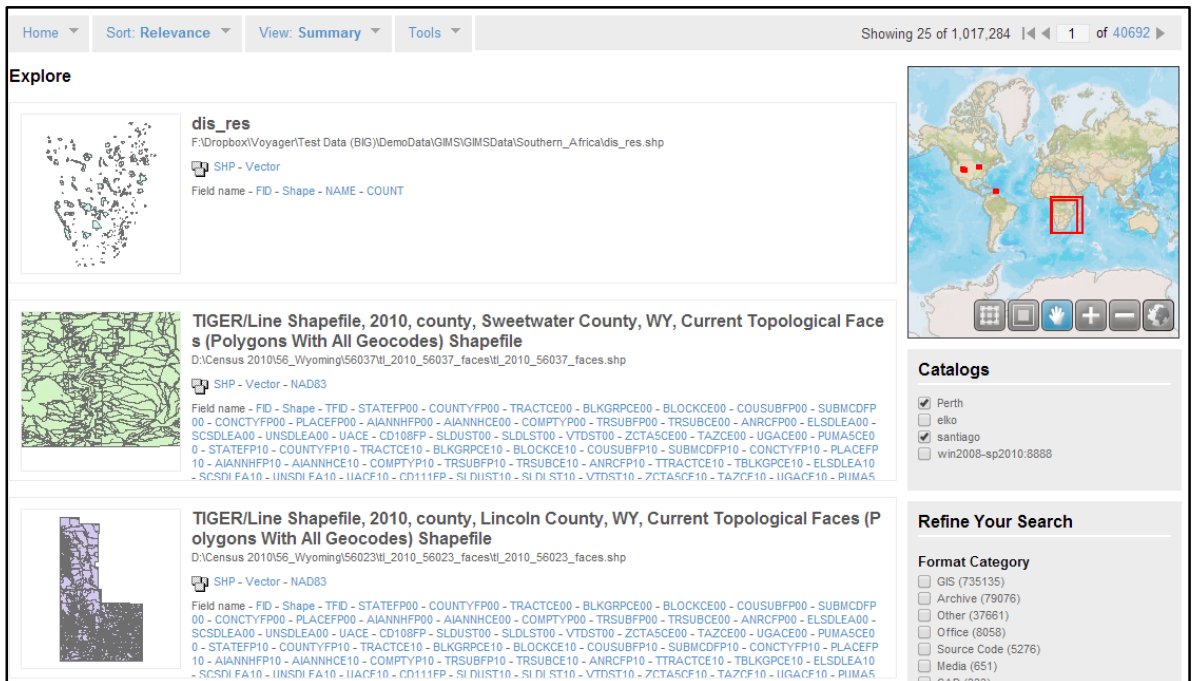


Viewing Search Results

Once your index is created, you can view the items in the index in various ways, allowing you to visualize your information in the most appropriate way. Views are used to display the data in a layout of your choice (Summary View, Grid View, Overview Map, Table View, or Report View), with a configurable set of fields displayed and providing a useful set of filters for further refining your queries.

Summary View

The summary view displays a few pieces of information about each item, along with the thumbnail for the item.



Home | Sort: Relevance | View: Summary | Tools | Showing 25 of 1,017,284 | 1 of 40692

Explore

dis_res
F:\Dropbox\Voyager\Test Data (BIG)\DemoData\GIS\GISData\Southern_Africa\dis_res.shp
SHP - Vector
Field name - FD - Shape - NAME - COUNT

TIGER/Line Shapefile, 2010, county, Sweetwater County, WY, Current Topological Faces (Polygons With All Geocodes) Shapefile
D:\Census 2010\56_Wyoming\56037\WI_2010_56037_faces\WI_2010_56037_faces.shp
SHP - Vector - NAD83
Field name - FD - Shape - TFD - STATEFP00 - COUNTYFP00 - TRACTCE00 - BLKGRPC00 - BLOCKCE00 - COUSUBFP00 - SUBMCDFP00 - CONCTYFP00 - PLACEFP00 - AIANNHCE00 - AIANNHCE00 - COMPTYP00 - TRSUBCE00 - ANRCFP00 - ELSOLEA00 - SCSOLEA00 - UNSOLEA00 - UACE - CD108FP - SLDUST00 - SLDLST00 - VTDST00 - ZCTA5CE00 - TAZCE00 - UGACE00 - PUMASCE00 - STATEFP10 - COUNTYFP10 - TRACTCE10 - BLKGRPC10 - BLOCKCE10 - COUSUBFP10 - SUBMCDFP10 - CONCTYFP10 - PLACEFP10 - AIANNHCE10 - AIANNHCE10 - COMPTYP10 - TRSUBCE10 - ANRCFP10 - TTRACTCE10 - TBLKGPCE10 - ELSOLEA10 - SCSOLEA10 - UNSOLEA10 - UACE10 - CD111FP - SLDUST10 - SLDLST10 - VTDST10 - ZCTA5CF10 - TAZCF10 - UGACF10 - PUMAS

TIGER/Line Shapefile, 2010, county, Lincoln County, WY, Current Topological Faces (Polygons With All Geocodes) Shapefile
D:\Census 2010\56_Wyoming\56023\WI_2010_56023_faces\WI_2010_56023_faces.shp
SHP - Vector - NAD83
Field name - FD - Shape - TFD - STATEFP00 - COUNTYFP00 - TRACTCE00 - BLKGRPC00 - BLOCKCE00 - COUSUBFP00 - SUBMCDFP00 - CONCTYFP00 - PLACEFP00 - AIANNHCE00 - AIANNHCE00 - COMPTYP00 - TRSUBCE00 - ANRCFP00 - ELSOLEA00 - SCSOLEA00 - UNSOLEA00 - UACE - CD108FP - SLDUST00 - SLDLST00 - VTDST00 - ZCTA5CE00 - TAZCE00 - UGACE00 - PUMASCE00 - STATEFP10 - COUNTYFP10 - TRACTCE10 - BLKGRPC10 - BLOCKCE10 - COUSUBFP10 - SUBMCDFP10 - CONCTYFP10 - PLACEFP10 - AIANNHCE10 - AIANNHCE10 - COMPTYP10 - TRSUBCE10 - ANRCFP10 - TTRACTCE10 - TBLKGPCE10 - ELSOLEA10 - SCSOLEA10 - UNSOLEA10 - UACE10 - CD111FP - SLDUST10 - SLDLST10 - VTDST10 - ZCTA5CF10 - TAZCF10 - UGACF10 - PUMAS

Catalogs

- ☒ Perth
- ☐ elko
- ☒ santiago
- ☐ win2008-sp2010:8888

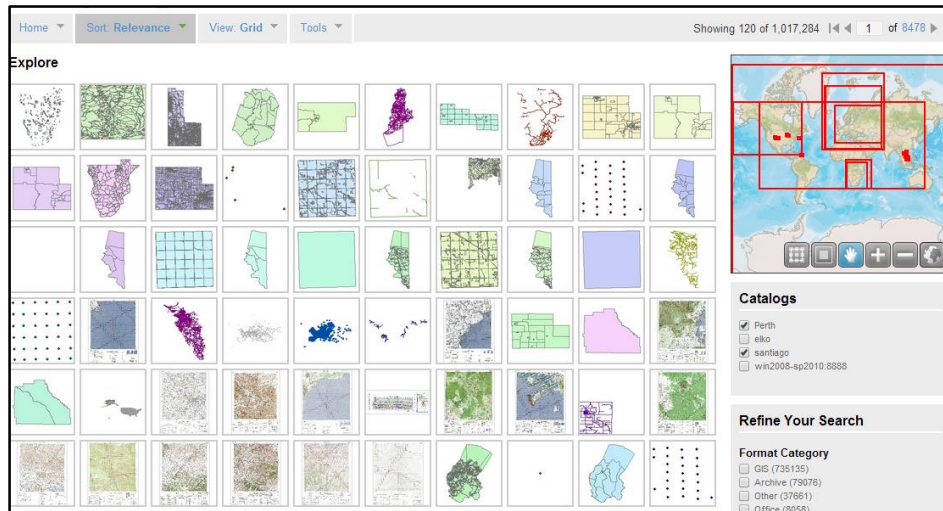
Refine Your Search

Format Category

- ☐ GIS (735135)
- ☐ Archive (79076)
- ☐ Other (37661)
- ☐ Office (8058)
- ☐ Source Code (5276)
- ☐ Media (651)
- ☐ CAD (333)

Grid View

The grid view displays each item as a thumbnail only. When you hover over a thumbnail, more information about that item is displayed.



Map View

The map view displays the relationship between the data and where it lies spatially.

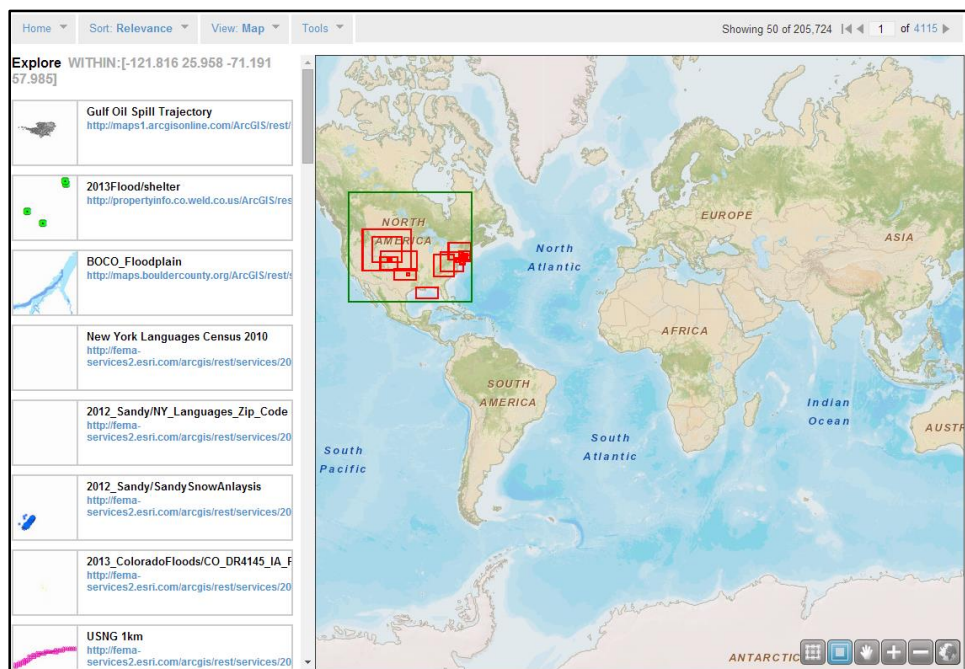


Table View

The table view displays results as a list. This is useful for comparing results based on a property, such as the size of the item in Bytes or the time it took to index the item.

To configure which fields shown in the table, see [Configure Table](#)


Tip: When displaying results in the Table View a user has the ability to export the result list in CSV, SHP or XML. This option is offered at the bottom of the page.

Home
View: Table
Tools

Showing 250 of 312,182 | 1 of 1249

Explore WITHIN: [-121.816 25.958 -71.191 57.985]

Name	Format	File Size	Modified
TIGER/Line Shapefile, 201...	SHP	28 MB	2011-02-15 15:58:49
TIGER/Line Shapefile, 201...	SHP	16.6 MB	2011-02-15 16:08:33
TIGER/Line Shapefile, 201...	SHP	236 KB	2010-11-17 19:36:59
TIGER/Line Shapefile, 201...	SHP	293 KB	2010-11-17 18:40:34
TIGER/Line Shapefile, 201...	SHP	356 KB	2010-11-17 19:01:03
TIGER/Line Shapefile, 201...	SHP	143 KB	2010-11-17 19:00:52
TIGER/Line Shapefile, 201...	SHP	143 KB	2010-11-17 19:02:37
TIGER/Line Shapefile, 201...	SHP	2.8 MB	2010-11-17 19:00:37
TIGER/Line Shapefile, 201...	SHP	199 KB	2010-11-17 18:39:57
TIGER/Line Shapefile, 201...	SHP	69 KB	2010-11-17 19:36:03
TIGER/Line Shapefile, 201...	SHP	141 KB	2010-11-17 19:34:09
TIGER/Line Shapefile, 201...	SHP	7.2 MB	2010-11-17 18:46:56
TIGER/Line Shapefile, 201...	SHP	11.2 MB	2011-02-15 15:44:28
TIGER/Line Shapefile, 201...	SHP	662 KB	2010-11-17 19:37:01
TIGER/Line Shapefile, 201...	SHP	237 KB	2010-11-17 19:38:49
TIGER/Line Shapefile, 201...	SHP	9 MB	2010-11-17 19:53:56
TIGER/Line Shapefile, 201...	SHP	13.4 MB	2010-11-17 19:30:22
TIGER/Line Shapefile, 201...	SHP	30.8 MB	2010-11-17 19:50:49
TIGER/Line Shapefile, 201...	SHP	297 KB	2010-11-17 19:37:41
TIGER/Line Shapefile, 201...	SHP	367 KB	2010-11-17 18:39:26
TIGER/Line Shapefile, 201...	SHP	323 KB	2010-11-17 18:41:02
TIGER/Line Shapefile, 201...	SHP	20 KB	2011-02-15 16:57:43
n39w105f2dem	IMG	9.6 MB	2014-03-02 16:48:50
TIGER/Line Shapefile, 201...	SHP	19 KB	2011-02-15 16:27:33



Catalogs

- ☒ Perth
- ☐ elko
- ☒ santiago
- ☐ win2008-sp2010:8888

Refine Your Search

Format Category

- ☐ GIS (205724)
- ☐ Office (0)
- ☐ Other (0)
- ☐ Source Code (0)

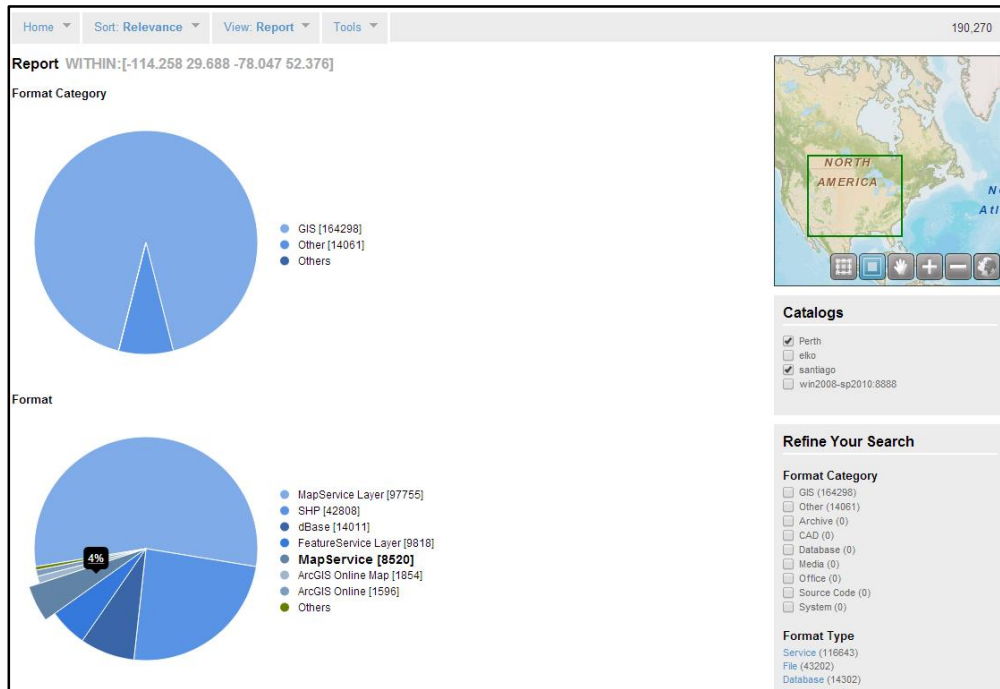
Format Type

- Service (200642)
- Record (5021)
- File (61)

Format

Report View

The report view that generates graphs based on the configurable set of filters used to narrow search results. Graphs include pie and bar charts, are interactive and will work in any web browser.



Configuring Views

Views are fully configurable, allowing you to change the filters, reports, sort, display, and table options. Any user with the *configure_views* permission can create custom views. To configure views, select **Settings** under the **View** menu. You can choose to configure

- Filters
- Display
- Tables
- Reports
- Sorting

Configuring Filters

This option allows the user to select fields that will be used to filter query results. The filters are used to show a subset of the data, giving the user a better idea of the types of data in the index and to narrow down exactly what they may be searching for.

Additional filters can be added from the set of Fields on the left, or filters can be removed from the active Filters list by using the left/right arrow buttons in the middle of the window to move things into and out of the list. The display order the filters can also be changed using the up/down arrow buttons.

To view data from both local and remote catalogs, select the **Show Additional Catalogs** option. Remote catalogs must have been previously configured by the administrator. See Federated Catalog Search.

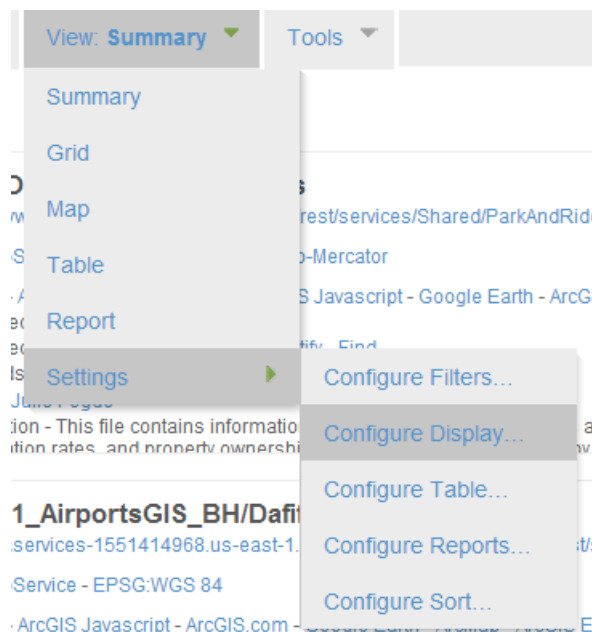
Configuring the Display

You can configure which metadata fields Voyager displays on the **Detail Page** as well as in the **Table View**.

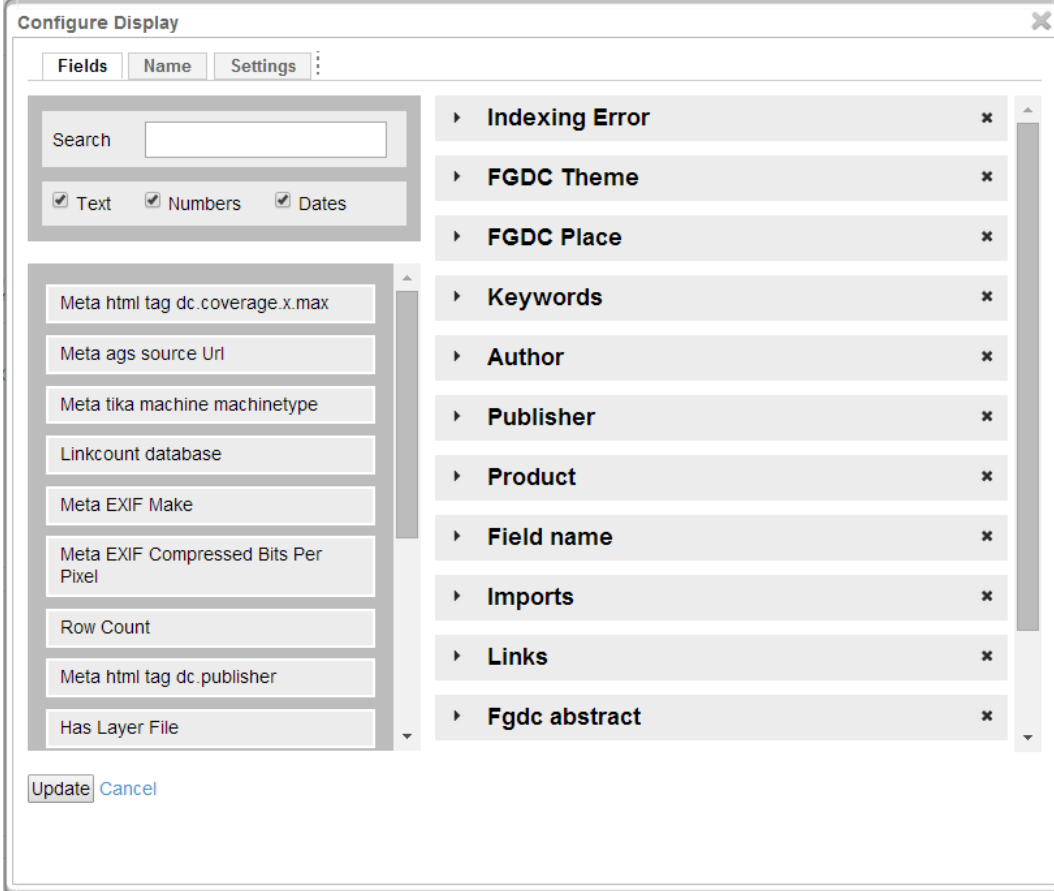
Displaying Metadata on the Detail Page

To configure metadata display on the **Detail Page**:

1. Go to **View -> Settings -> Configure Display** on the **Summary** page



2. On the **Fields** and **Name** tabs, you can drag and drop fields from the left side to the list on the right



The **Configure Display** dialog box is used to manage the fields displayed in the search results. It features a search bar, checkboxes for **Text**, **Numbers**, and **Dates**, and two lists of fields. The left list contains metadata fields like **Meta html tag dc.coverage.x.max**, **Meta ags source Url**, **Meta tika machine machinetype**, **Linkcount database**, **Meta EXIF Make**, **Meta EXIF Compressed Bits Per Pixel**, **Row Count**, **Meta html tag dc.publisher**, and **Has Layer File**. The right list contains standard fields like **Indexing Error**, **FGDC Theme**, **FGDC Place**, **Keywords**, **Author**, **Publisher**, **Product**, **Field name**, **Imports**, **Links**, and **Fgdc abstract**. Each field has a right arrow icon and a close 'x' icon. At the bottom are **Update** and **Cancel** buttons.

3. Click **Update** to apply your changes.

The added fields will appear on the **Detail page**. Some of the fields may also appear in the **Summary View**, when hovering in **Grid View** and in **Map View**.

Viewing All Metadata

1. To view all metadata for a record, go to **View -> Settings -> Configure Display Settings**

Configure Display

Fields Name Settings

- ☒ Show Path
- ☒ Show Links
- ☒ Show Sort Field
- ☒ Show all fields on detail page
- ☒ Show Sidebar
- ☒ Show Map
- ☒ Show Footprints on Map
- ☒ Show Format And Spatial Reference
- ☐ Show Debug Information
- ☒ Show Text Content
- ☒ Show Extraction Status

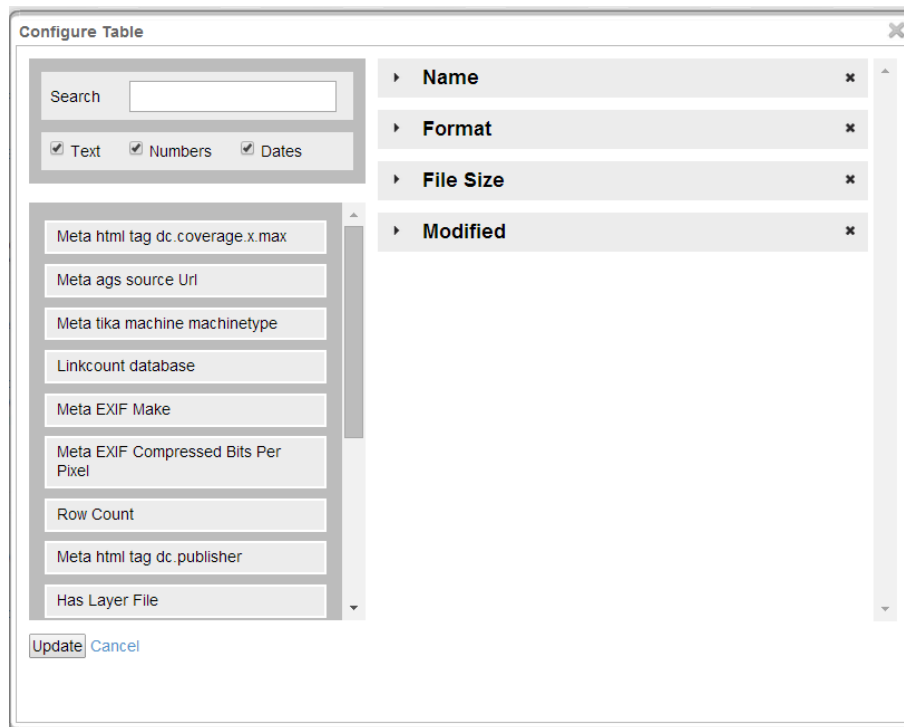
Update Cancel

2. Select **Show all fields on Detail Page** to display all metadata fields on each Detail Page
3. When you are done, click **Update**

Configuring Tables

You can choose which metadata fields appear in the **Table View**. Each field you choose appears as a column in the table.

1. To configure tables, go to **View -> Settings -> Configure Table**



2. Drag and drop field names from the list at the left over to the right. The field columns will be added to the **Table View** even if there are no data for that particular field.
3. To change the order in which the fields are displayed, click and drag fields up or down in the list at the right
4. Click **Update** when you are done

Configuring Reports

The reporting view displays a graph for each of the fields used to filter query results (as seen on the right side of the Voyager interface). To hide or remove a report the appropriate field can be added or removed from the list of filters.

Configuring Sorting

This option allows a user to choose which fields are available for sorting query results.

You can add or remove display fields, or change their display order using the arrow buttons in the middle of the window.

Viewing Information for a Single Item

Voyager provides options to a user when a thumbnail of an individual search result is clicked in the Summary, Grid or Map Views. The Overview Map to the right of Search Results displays the extents of the data on a map.

Show Detail Page

The Detail Page reveals many more information about this individual element. By default, the details displayed include basic attributes like the name, path, theme, place, etc. What information is displayed can be configured via the Configure Display option under the View menu.

The detail page also shows links or relationships between the item and any other items in the index. For example, if the dataset is used in an MXD or Layer File, the MXDs or Layer Files will be displayed as links in the "USED BY" section.

Conversely, MXDs and Layer Files display the items within them in a tree structure, so users can see which Feature Layers and datasets are used in the document and can explore them directly from the DATA section or via the links in the MXD structure.

The relationships between items in a database are also captured and displayed. For example, databases show links to all of the items within them. Feature datasets show which database they are in, as well as the datasets they contain. And datasets have links to their database and feature datasets.

Show Preview

Show Preview displays a larger, more detailed view of the record if it exists.

Open With

The **Open With** option allows the user to open the individual search result in a variety of desktop applications, including ArcGIS desktop applications, KML viewer, or the Window Default Application.

Process

This option opens the choices for processing the individual search result.

ArcGIS Online

The individual search result can be added to ArcGIS online.

Extent

This gives the user the options to:

- **Zoom to Extent** - Zooms the map into the extent of this item
- **Query Within Extent** - Performs a spatial query and returns all items whose extent falls completely within the current item's extent.
- **Query Extent Intersection** - Performs a spatial query and returns all items whose extent intersects the current item's extent.

All results are reflected in the overview map in the upper right-hand corner of the window.

Exclude Item

This option allows the user to exclude an individual search result from the search.

Saving Searches

This tool allows a user to save their search result and use it as the default search. For a complete list of your saved searches, go to the **Saved Searches** page from the Home menu.

Configuring the Default Search for all Users














A default search can be configured and saved, so all users will see the same filters, display fields, table layout, and default view.

- To create a default search, go to the **Tools** menu and select **Save This Search**. Enter a Title and Description for the search and select the **Use As Default Search** option.
- To set the default search to a Saved Search that was previously configured, go to the Saved Searches page and on the **Options** menu select **Show Edit Options**. Edit any of the existing Saved Searches and select the **Use As Default Search** option.

Processing Search Results

Choosing a Task

You can select one or more search results and save or convert them to various formats. Once you have selected the results, go to **Tools > Process** to open the **Task Manager** and select one of the following tasks:

	Add to Geodatabase
	Clip Data
	Convert to KML
	Copy Files
	Create an Esri Map or Layer Package
	Create GeoPDF
	Delete Files
	Mosaic
	Mosaic to Workspace
	Move Files
	Replace Data Source
	Replace Workspace Path
	Zip Files

For each of the selections in the list, enter the required data and configuration information and confirm each step of the process before moving on to the next. The particular information needed depends on the processing task you choose.

In the **Task Manager**, current and previous steps are shown in blue; yet-to-be-completed steps are shown in gray.

Task Manager

- 1 Choose Task 2 Enter Task Details 3 Confirm Content 4 Confirm Task Details 5 Task Status

There are five steps for each task. You can return to a previous step or select a different task at any time.

1. Choose Task

Choose a task from the list in the **Task Manager**.

2. Enter Task Details

Enter the required information for the task you have chosen.

3. Confirm Content

Voyager displays the selected content. You can remove an item here and go back to the previous step to select different input information.

4. Confirm Task Details

This displays the content and the task information you selected. Click Run Task to process the content.

5. Task Status

This displays the status of the task, including any error messages.

Entering Task Details

Enter information for tasks in the **Enter Task Details** tab as described below.

Add to Geodatabase

Adds selected search results to an existing geodatabase.

The screenshot shows the 'Enter Task Details' tab in the Task Manager. The title is 'Enter Details to Add to Geodatabase' with a subtitle 'Add input data to an existing geodatabase'. There are two buttons: 'Run Task' and 'Next, Confirm Content'. Below the title, there is a section for 'Target Workspace' with a description 'The geodatabase or feature dataset where the data will be copied.' and a text input field. Below that is a section for 'Projection' with a description 'The output projection.' and a dropdown menu currently set to 'WGS84'.

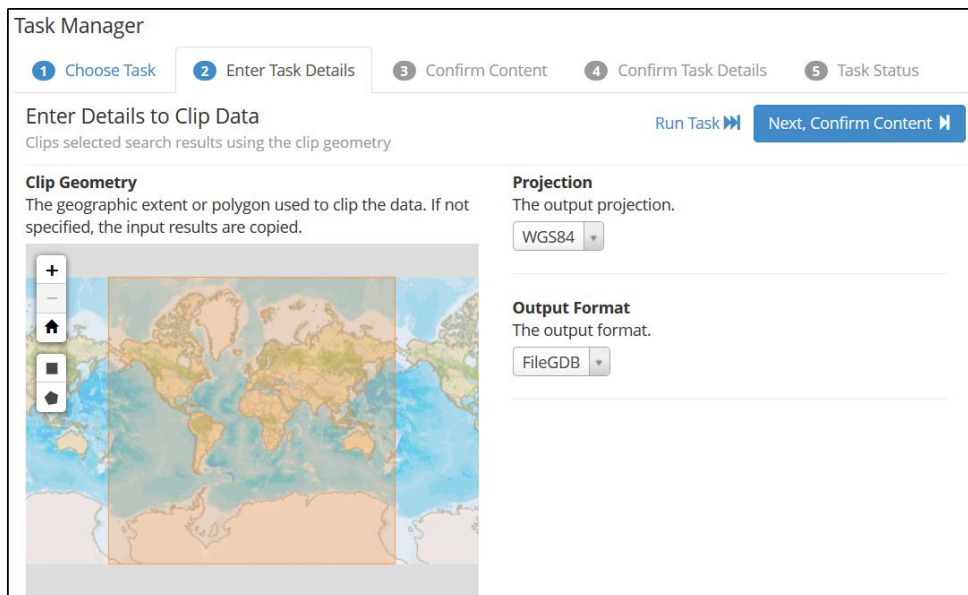
- Enter the target database or dataset and select an output projection
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- The target geodatabase or feature dataset must exist.
- The projection is used to project the output results. The default is WGS84.
- If the target workspace is a geodatabase feature dataset, the output will be the projection of the target feature dataset.
- If the input is a map document (.mxd), the data source for each layer and table view are added to the geodatabase.
- Requires ArcGIS 10.x

Clip Data

Clips selected search results using the clip geometry.



Task Manager

1 Choose Task 2 Enter Task Details 3 Confirm Content 4 Confirm Task Details 5 Task Status

Enter Details to Clip Data



Clips selected search results using the clip geometry

Clip Geometry
The geographic extent or polygon used to clip the data. If not specified, the input results are copied.

Projection
The output projection.
WGS84

Output Format
The output format.
FileGDB

Run Task Next, Confirm Content

- Select whether to clip a rectangle or polygon:
Click to select a rectangle 
Click to select a polygon 
- For a rectangle, click and drag to select an extent on the map
- For a polygon, click the points that outline the desired extent and double-click to select the area
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- The clip geometry can be specified as a rectangle or polygon. For rasters, the extent of the polygon feature is used.
- If no clip geometry is provided, the entire result is copied to the output.
- The projection is used to project the output results. The default is WGS84.
- The outputs can be saved to the following formats:
 - **File Geodatabase**
 - **Shapefile**
 - **Layer Package**
 - **Map Package**
- If the output format is a **File Geodatabase** or **Shapefile**, the results are compressed into a zip file that can be downloaded. The zip file will also contain a map document with all the results added.
- If the output format is a layer package (**LPK**) or map package (**MPK**), the package file can be downloaded and opened directly in **ArcMap**.
- The output data for layer and map packages is a **File Geodatabase**
- If a search result is a layer file, it is copied, clipped, and re-sourced so that the symbology is maintained.
- If a search result is a map document, the map document is copied and all its layers are clipped and re-sourced.
- Non-spatial files such as text files, PDF, and Office documents will be copied and included in the zip file or package.
- Requires ArcGIS 10.x

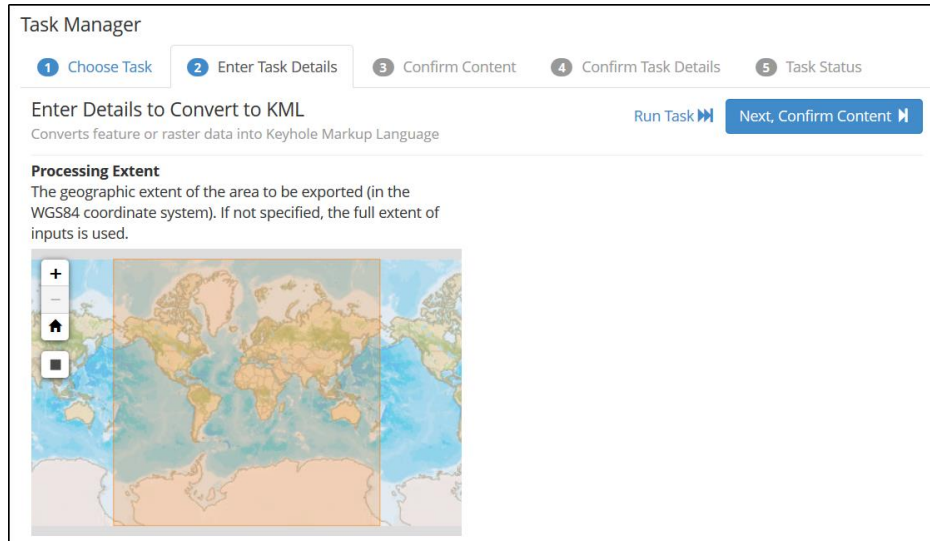
Convert to KML

Converts feature or raster data into **Keyhole Markup Language (KML)**. The output **KML** files can be read by any **KML** client including **ArcGIS Explorer**, **ArcGlobe**, and **Google Earth**.

USAGE NOTES

- Each output result is converted to a compressed file with a **.kmz** extension where geometries and symbology is maintained.
- Converting a single result produces a single **.kmz** file that can be downloaded. If there are multiple results, the **.kmz** files are added to a zip file that can be downloaded.

- A processing extent can be specified to limit the geographic area being exported.
- If a processing extent is not specified, the full extent of inputs is converted.
- All output **KML** files are created in the **WGS84** coordinate system.
- Requires ArcGIS 10.x

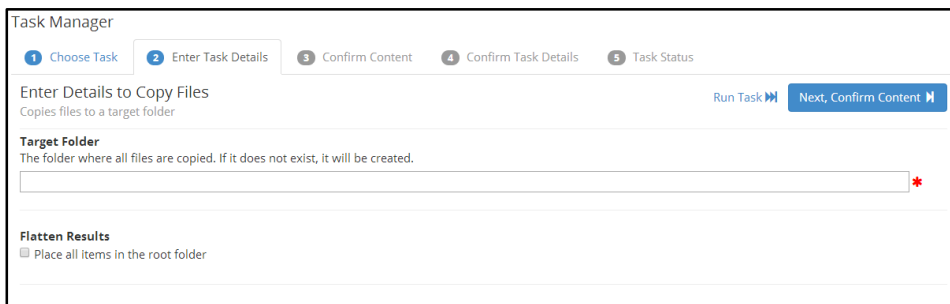


The screenshot shows the 'Task Manager' interface with the 'Enter Task Details' tab selected. The task is 'Enter Details to Convert to KML', which 'Converts feature or raster data into Keyhole Markup Language'. The 'Processing Extent' section explains that it is the geographic extent of the area to be exported in the WGS84 coordinate system. Below this is a world map with a rectangular selection box over the Atlantic Ocean. Navigation buttons include 'Run Task' and 'Next, Confirm Content'.

- Click and drag on the map to select an extent
- Click **Next** to go to the **Confirm Content** tab

Copy Files

Copies files to a target folder.



The screenshot shows the 'Task Manager' interface with the 'Enter Task Details' tab selected. The task is 'Enter Details to Copy Files', which 'Copies files to a target folder'. The 'Target Folder' section has a text input field with a red asterisk indicating it is required. The 'Flatten Results' section has a checkbox labeled 'Place all items in the root folder'. Navigation buttons include 'Run Task' and 'Next, Confirm Content'.

Enter the location of the target folder

- Click **Flatten Results** to copy all results into the target folder
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- If the target folder does not exist, it will be created.
- The input results must be file types and cannot include **ArcGIS** geodatabase datasets such as feature classes. However, a file geodatabase (.gdb) can be copied.
- When copying **Shapefiles**, all supporting files such as .shp, .dbf, .shx, etc., are copied.
- When copying Smart Data Compression files, all supporting files such as .sdc, .sdi, etc., are copied.
- By default, a file's directory structure is maintained when copied.

Create an Esri Map or Layer Package

Packages selected data into a single compressed file (.mpk or .lpk)

The screenshot shows the 'Task Manager' interface with five tabs: '1 Choose Task', '2 Enter Task Details', '3 Confirm Content', '4 Confirm Task Details', and '5 Task Status'. The '2 Enter Task Details' tab is active. The main heading is 'Enter Details to Create an Esri Map or Layer Package' with a subtitle 'Package data into a single compressed file (.mpk or .lpk)'. There are two buttons: 'Run Task' and 'Next, Confirm Content'. The interface is divided into three sections: 'Processing Extent' with a map of the world and a bounding box, 'Projection' with a dropdown menu set to 'WGS84', 'Output Format' with a dropdown menu set to 'MPK', 'Summary' with a text input field, and 'Tags' with a text input field.

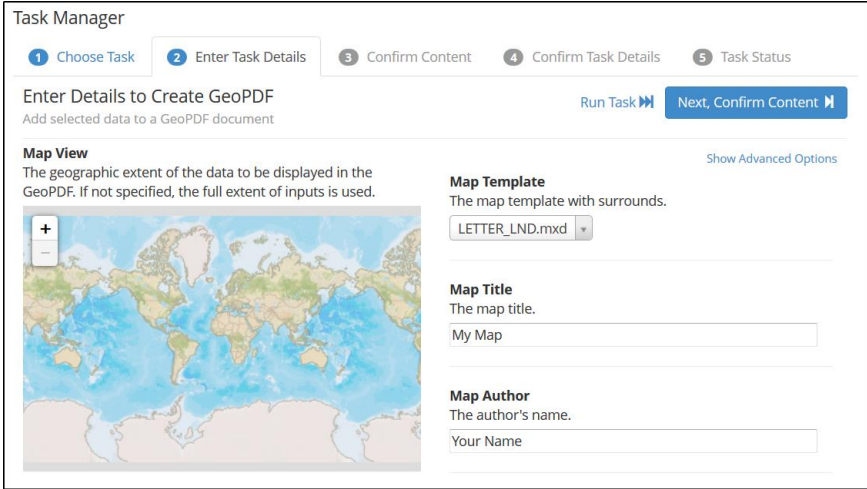
- Select projection and output format
- Enter a descriptive summary
- Enter any tags you want to associate with the selection
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- A processing extent can be specified to limit the geographic area being packaged.
- If no processing extent is specified, the full extent of inputs is used.
- The projection is used to project the output results. The default is **WGS84**.
- The package file can be downloaded and opened directly in **ArcMap**.
- The output data for layer and map packages is a file geodatabase.
- Non-spatial files such as text files, PDF, and Office documents will be included in the package.
- Although optional, it's recommended to provide a summary and tags as this will make searching for the package easier.
- Tags can be separated using commas or semicolons.
- Requires ArcGIS 10.x

Create GeoPDF

Creates a GeoPDF using the selected search results.



- Enter a map template, map title and map author
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- The extent of the map view defines the extent of the map in the output **PDF**.
- There are four map templates to choose from. The default is page size (8.5 x 11).

- The output map projection is **WGS84**.
- There four base maps to choose from. The default is **NONE**. For larger extents (e.g. World maps), a base map may not provide the best visual result. For relatively smaller extents (e.g. County maps), a base map can provide a good reference.
- The advanced settings control the inclusion of **PDF layer** and **PDF object data** (attributes). The default is **Layers only**.
- Requires ArcGIS 10.x

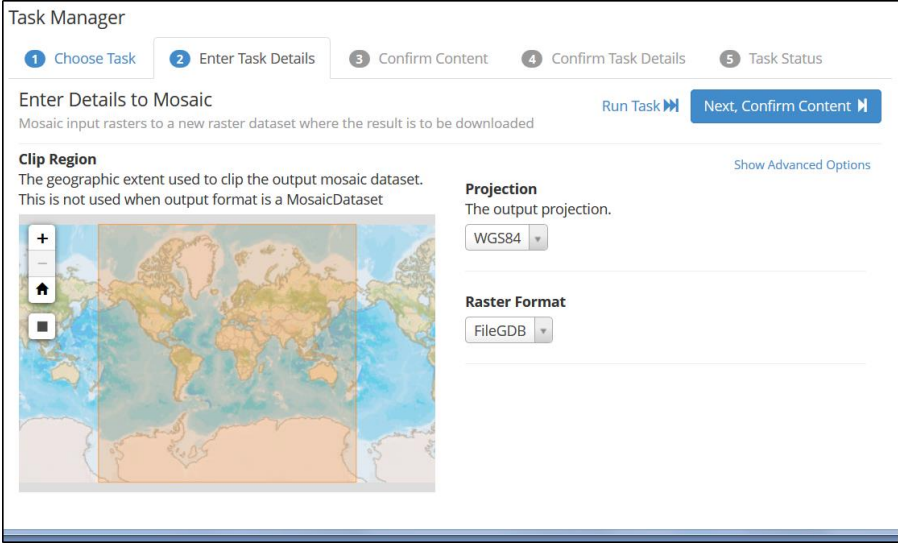
Delete Files

This task will permanently delete files. Please use caution.

- The input results must be file types and cannot include **ArcGIS** geodatabase datasets such as feature classes. However, a file geodatabase (**.gdb**) can be deleted.
- When deleting **Shapefiles**, all supporting files such as **.shp**, **.dbf**, **.shx**, etc., are deleted.
- When deleting **Smart Data Compression** files, all supporting files such as **.sdc**, **.sdi**, etc., are deleted.

Mosaic

Mosaic selected raster datasets to a new raster where the result is to be downloaded.



The screenshot shows the 'Task Manager' window with the 'Enter Details to Mosaic' task selected. The task description states: 'Mosaic input rasters to a new raster dataset where the result is to be downloaded'. The interface includes a progress bar with five steps: 1. Choose Task, 2. Enter Task Details (current), 3. Confirm Content, 4. Confirm Task Details, and 5. Task Status. Navigation buttons include 'Run Task' and 'Next, Confirm Content'. The 'Clip Region' section features a map of the world with a red rectangular selection box over North America and a 'Show Advanced Options' link. The 'Projection' section has a dropdown menu set to 'WGS84'. The 'Raster Format' section has a dropdown menu set to 'FileGDB'.

- Click and drag to select a region

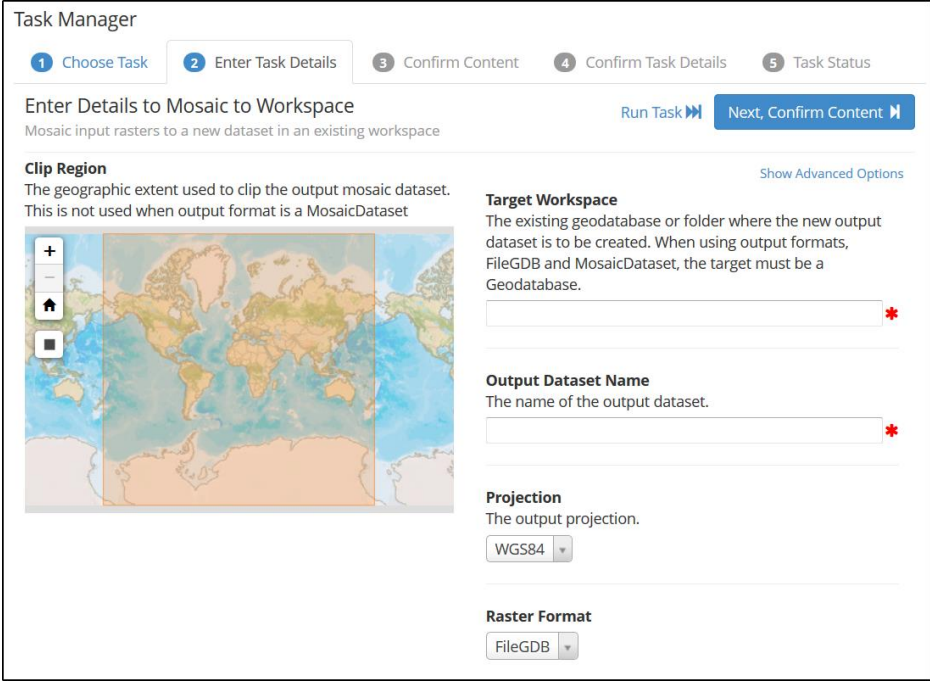
- Choose the output projection and raster format
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- The result is compressed into a zip file named output.zip that can be downloaded.
- The number of bands for each input must be the same or the task will fail.
- The clip region is used to clip the output mosaic dataset.
- The clip region is ignored when the output format is a **MosaicDataset**.
- The projection is used to project the output results. The default is **WGS84**.
- Outputs can be saved to **BIL, BIP, BMP, BSQ, DAT, Esri Grid, GIF, IMG, JPEG, JPEG 2000, PNG, TIFF**, or any geodatabase raster dataset including a mosaic dataset.
- If the raster format is **MosaicDataset**, a mosaic dataset is created in a File Geodatabase and the results are added to it. This option requires an **ArcGIS** Standard or Advanced license.
- The most common pixel type of the inputs is used.
- For raster formats **JPG, JP2**, and **FileGDB**, the advanced settings for setting compression can be used.
- The **GIF** format only supports single-band raster datasets.
- Large input rasters will require longer processing times. The status can be checked on the Task History page.
- Requires ArcGIS 10.x

Mosaic to Workspace

Mosaics input rasters to a new dataset in an existing workspace.



The screenshot shows the 'Task Manager' window with the 'Enter Task Details' tab selected. The task is 'Mosaic to Workspace'. The interface includes a progress bar with five steps: 1. Choose Task, 2. Enter Task Details (active), 3. Confirm Content, 4. Confirm Task Details, and 5. Task Status. Below the progress bar, the task name 'Enter Details to Mosaic to Workspace' is displayed, along with a description: 'Mosaic input rasters to a new dataset in an existing workspace'. A 'Run Task' button and a 'Next, Confirm Content' button are visible. The 'Clip Region' section shows a world map with a red rectangular selection box over North America. The 'Target Workspace' section has a text input field with a red asterisk. The 'Output Dataset Name' section has a text input field with a red asterisk. The 'Projection' section has a dropdown menu set to 'WGS84'. The 'Raster Format' section has a dropdown menu set to 'FileGDB'.

- Enter the geodatabase or folder target
- Enter a name for the output dataset
- Choose a projection and raster format
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- The result is compressed into a zip file named output.zip that can be downloaded.
- The number of bands for each input must be the same or the task will fail.
- The clip region is used to clip the output mosaic dataset.
- The clip region is ignored when the output format is a **MosaicDataset**.
- The projection is used to project the output results. The default is **WGS84**.
- Outputs can be saved to **BIL, BIP, BMP, BSQ, DAT, Esri Grid, GIF, IMG, JPEG, JPEG 2000, PNG, TIFF**, or any geodatabase raster dataset including a mosaic dataset.

- If the raster format is **MosaicDataset**, a mosaic dataset is created in a File Geodatabase and the results are added to it. This option requires an **ArcGIS** Standard or Advanced license.
- The most common pixel type of the inputs is used.
- For raster formats **JPG**, **JP2**, and **FileGDB**, the advanced settings for setting compression can be used.
- The **GIF** format only supports single-band raster datasets.
- Large input rasters will require longer processing times. The status can be checked on the Task History page.
- Requires ArcGIS 10.x

Move Files

Moves files to a target folder.

USAGE NOTES

This task is equivalent to a cut and paste operation.

- If the target folder does not exist, it will be created.
- The input results must be file types and cannot include ArcGIS geodatabase datasets such as feature classes. However, a file geodatabase (.gdb) can be copied.
- When moving Shapefiles, all supporting files such as .shp, .dbf, .shx, etc., are copied.
- When moving Smart Data Compression files, all supporting files such as .sdc, .sdi, etc., are copied.
- By default, a file's directory structure is maintained when copied. To move all items to a root folder, select **Flatten Results**.

Replace Data Source

Replaces an old data source for selected layer files and map document layers with a new data source (a data source is the full catalog path to the dataset). Unlike **Replace Workspace Path**, this task can be used to change the workspace path, workspace type, and/or change the dataset name.

USAGE NOTES

- The input search results must be layer files or map documents

- By default, Voyager creates backups in the source location with a **.bak** extension
- The data source will only be updated if the new data source path is a valid
- Requires ArcGIS 10.x

Enter Details to Replace Data Source

Replaces a layer's data source

Run Task ▶▶

Next, Confirm Content ▶▶

Create Backup (Recommended)

☒ Create backup copies of the map documents and layer files before replacing workspace paths. Backups are created in the source location with a .bak extension.

Old Data Source

The old data source path to be replaced.

C:\GISData\mdb\world.mdb\Countries *

New Data Source

The replacement data source path.

Database Connections\Connection to voyagerdemo.com.sde\SDE.fc_Countries *

Replace Workspace Path

Replaces an old workspace path for selected layer files and map document layers with a new workspace path. It cannot be used if the workspace type or dataset name has changed. It is ideal for scenarios where drive letters change, UNC paths are switched, SDE connection file information is updated etc.

Task Manager

1 Choose Task 2 Enter Task Details 3 Confirm Content 4 Confirm Task Details 5 Task Status

Enter Details to Replace Workspace Path

Replace the workspace path for layer files and map document layers

Run Task ▶▶

Next, Confirm Content ▶▶

Create Backup (Recommended)

☐ Create backup copies of the map documents and layer files before replacing workspace paths. Backups are created in the source location with a .bak extension.

Old Workspace Path

The workspace path to be replaced.

*

New Workspace Path

The new workspace path.

*

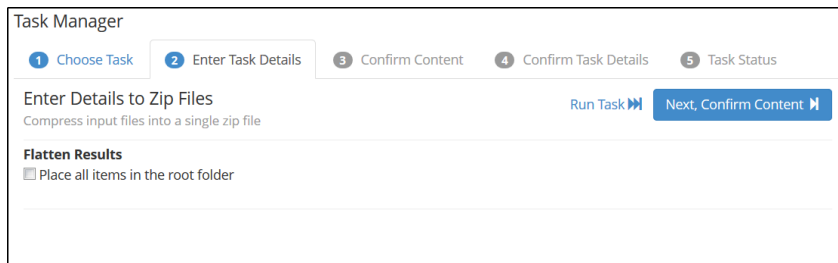
- Enter the existing workspace path
- Enter the new workspace path
- Check the box to back up the workspace
- Click **Next** to go to the **Confirm Content** tab

USAGE NOTES

- The input search results must be layer files or map documents.
- By default, Voyager creates backups are created in the source location with a **.bak** extension.
- The workspace will only be updated if the new workspace path is a valid workspace.
- Partial paths can be updated. For example, a workspace path containing C:\Data can be updated and replaced with D:\Data.
- Requires ArcGIS 10.x

Zip Files

Compresses input files into a single zip file.



The screenshot shows the 'Task Manager' window with five tabs: '1 Choose Task', '2 Enter Task Details' (active), '3 Confirm Content', '4 Confirm Task Details', and '5 Task Status'. The 'Enter Task Details' tab contains the title 'Enter Details to Zip Files' and the description 'Compress input files into a single zip file'. There are two buttons: 'Run Task' and 'Next, Confirm Content'. Below this, there is a section titled 'Flatten Results' with a checkbox labeled 'Place all items in the root folder'.

- Select Flatten Results to place all files in the root folder
- Click **Next** to go to the **Confirm Content** tab

Working with Lists

Lists hold search results that can be used at a later time, much like a shopping cart in an online store. This gives a user the option of either adding their data search results to an existing list or creating a new list. Lists are useful when you are building up a set of data that you want to do something with later on (much like adding things to a shopping cart). Once a list has been created, all the results in that list can be run through one of the processes, opened in ArcMap, exported to a CSV file, etc.

Adding Results to a List

- To add a single search result to a list, click the thumbnail and select **Show Detail Page**. On the Detail page, select **Add to List** from the **Tools** menu.
- To add all search results, select **Add to List** from the **Tools** menu on the Home page. You can add a maximum of 250 items at a time.

Exporting Results as a List

To export the list, select **Export Results List** from the **Tools** menu on the Home page or on the Detail page. This allows the user to export the list of results to different formats, including CSV, XML, or even to a Shapefile. The fields that will be exported to the list are configurable. A few default fields have been set: id, name, path, and format. The user can choose other fields that make sense, or remove any of the default fields using the left/right arrow buttons in the middle of the dialog. The order of the fields can also be changed using the up/down arrow buttons. The user also has the option of adding the output to a zip file when it is complete.