



**US Army Corps  
of Engineers®**

**US Army Corps of Engineers  
Natural Resource Management Program Portal  
Environmental Stewardship National Initiatives Module**

**User's Guide**

---



**US Army Corps  
of Engineers®**

NRM Environmental Stewardship National Initiatives Module User's Guide  
Page 1 of 29

CESAM-OP-J-GIS

Document current as of May 15, 2020 8:33 AM



# Contents

---

<b>Introduction .....</b>	<b>5</b>
USACE Natural Resource Management (NRM) Program	5
NRM Portal Environmental Stewardship National Initiatives Module	5
About this Document	5
<b>Accessing the NRM ENS National Initiatives Module Website .....</b>	<b>7</b>
<b>Understanding the Home Page .....</b>	<b>8</b>
<b>Understanding the National Fish Habitat Partnership Page .....</b>	<b>11</b>
<b>Understanding the Whooping Crane Migration Page .....</b>	<b>13</b>
<b>Understanding the Monarch Migration Page .....</b>	<b>16</b>
<b>Working with Column Charts .....</b>	<b>18</b>
Displaying "Hidden" Parts of a Column Chart	18
Displaying Column Details	18
Filtering with Columns	19
<b>Working with Lists .....</b>	<b>21</b>
Sorting a List Alphabetically	21
Searching a List	21
<b>Working with Maps .....</b>	<b>23</b>
Panning	23
Zooming In and Out	23
Displaying Feature Details	23
<b>Using Smart Search .....</b>	<b>25</b>
<b>Using the Selections Tool .....</b>	<b>27</b>
<b>Data Sources .....</b>	<b>29</b>
Monarch Migration	29
National Fish Habitat Partnership	29
Whooping Crane Migration	29





# Introduction

---

## USACE Natural Resource Management (NRM) Program

The mission of this US Army Corps of Engineers (USACE) Civil Works (CW) stewardship program is to manage, conserve, and protect the natural and cultural resources at USACE-operated projects. USACE is responsible for stewardship of approximately 12 million acres, located throughout all corners of the United States, which are home to more than 500 species of concern and over 390,000 acres of environmentally sensitive areas. The vast footprint of USACE projects marks the agency's environmental mission as a vital component in fish and wildlife habitat networks nationwide. Among this diverse array of landscapes, there are conservation priorities under the purview of the environmental mission which impact USACE-managed areas that extend beyond the bounds of any single project.

## NRM Portal Environmental Stewardship National Initiatives Module

Environmental challenges affecting large geographic regions demand cohesive management strategies for organizations to make effective progress. When the right tools are available at the program level, individual projects are empowered with information to aid in the advancement of larger conservation goals. The intent of this effort is to provide staff with targeted content based on location, with relevancy at multiple administrative levels.

Key Environmental Stewardship (ENS) National Initiatives identified by the NRM program include Fish Habitat Partnerships, the I-35 monarch corridor, and whooping crane migration, among others. Access to this information is intended to improve communication and facilitate a better understanding about how stewardship at USACE projects impacts landscape-scale conservation issues without requiring specialized knowledge of geographic information systems and spatial analytical methods. In addition to providing capabilities to the natural resource managers at the project level, the tool supports USACE's ability to influence regional goals and initiatives, and to direct work toward targeted species, habitat type, or geographic region.

The NRM Portal ENS National Initiatives Module is an enterprise-level website co-authored by the US Army Corps of Engineers Institute of Water Resources (IWR) and the US Army Corps of Engineers, Mobile District, Operations Division, Spatial Data Branch (CESAM-OP-J). The NRM Portal ENS National Initiatives Module website is built on the Qlik Sense self-service business intelligence (BI) and visual analytics platform. Qlik Sense concatenates multiple data sources, allowing users to create visual representations of data that is normally displayed in text-based reports and spreadsheets and to drill down into individual data records—all with the ultimate goal of delivering the data required to make better business decisions.

## About this Document

This document introduces and explains how to use the Natural Resource Management Program's Environmental Stewardship National Initiatives Module. It is designed for USACE NRM staff.





# Accessing the NRM ENS National Initiatives Module Website

Use the following procedure to access the Natural Resource Management Program's Environmental Stewardship National Initiatives Module website.

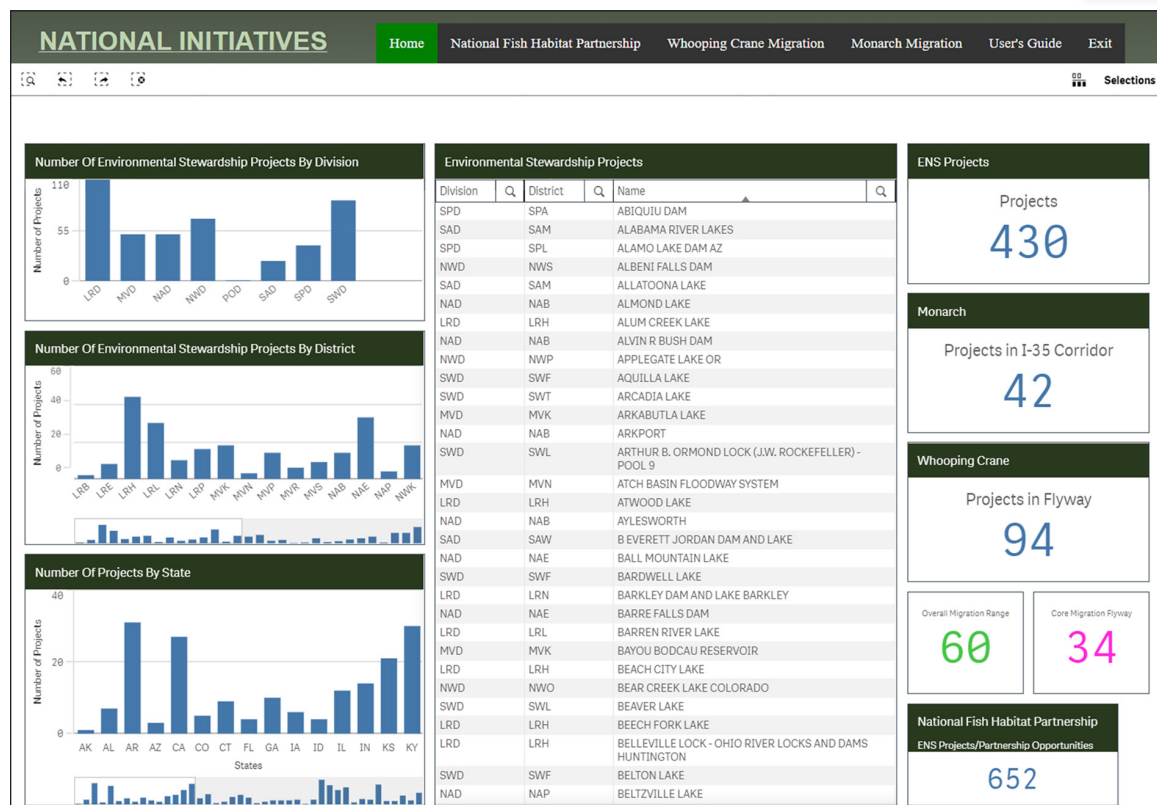
1. In your browser, go to [https://qlik-dvs.usace.army.mil/extensions/Natural\\_Resource\\_Management\\_Suite/index.html](https://qlik-dvs.usace.army.mil/extensions/Natural_Resource_Management_Suite/index.html).

The USACE Natural Resource Management Suite webpage displays.

**Note:** The website can also be accessed through the NRM Gateway (<https://corplakes.erdc.dren.mil/nrm.cfm>).

2. Click the National Initiatives graphic.

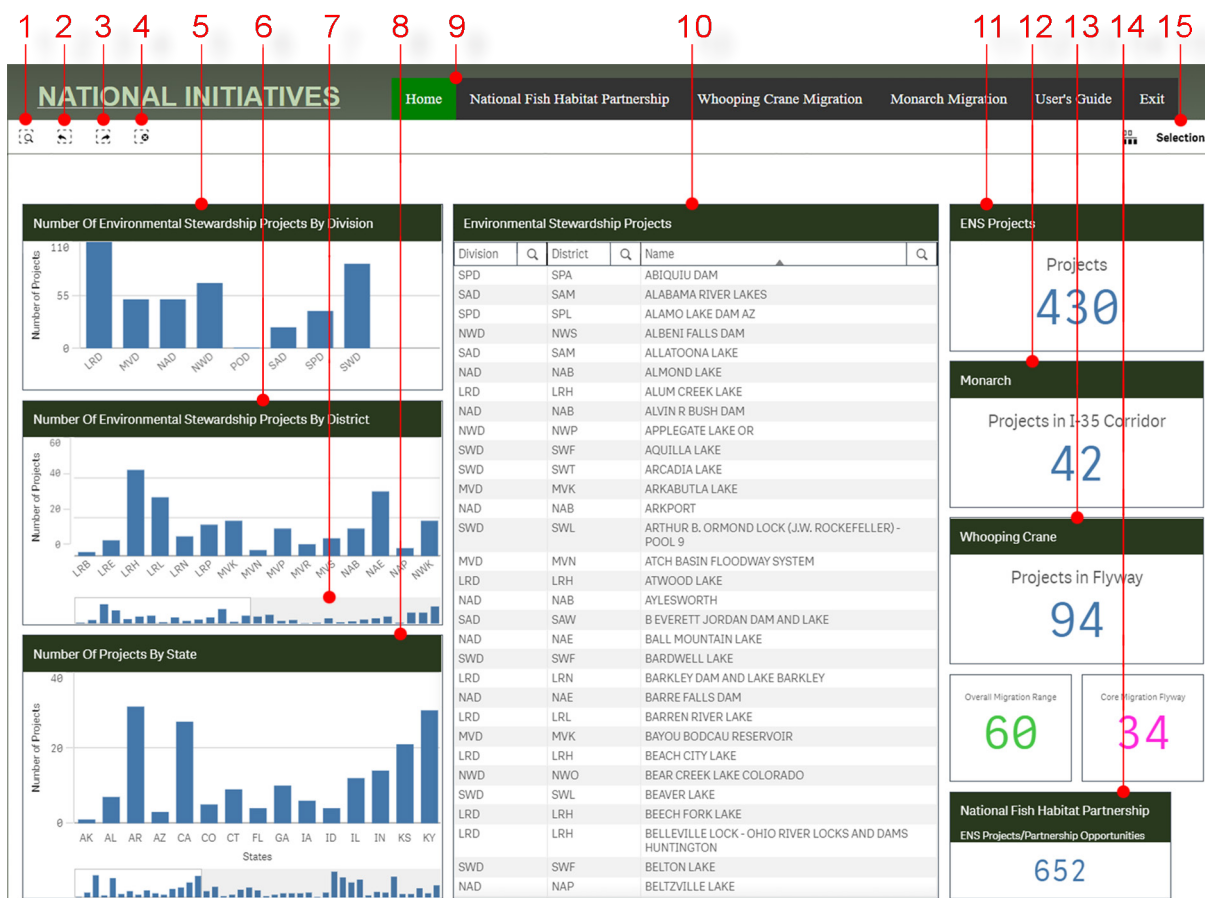
The National Initiatives Home page displays.



# Understanding the Home Page

When the National Initiatives Module opens, the Home screen displays by default. To return to the Home page from any other page, click the Home tab. The Home page consists of the following parts.

Home



1. **Smart Search Button**—Allows you to search the entire dataset, not within just a single page.

**Note:** For more information, see "Using Smart Search" on page 25.

2. **Step Back Button**—Clears each search terms in the search bar individually from right to left.

3. **Step Forward Button**—Returns a cleared search term to the search bar.

4. **Clear All Selections Button**—Clears all search terms in the search bar.

5. **Number Of Environmental Stewardship Projects By Division Panel**—Displays the total number of USACE Environmental Stewardship projects by USACE Division for the selected USACE Division, USACE District, state, and project as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.





- 6. Number Of Environmental Stewardship Projects By District Panel**—Displays the total number of USACE Environmental Stewardship projects by USACE District for the selected USACE Division, USACE District, state, and project as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.

- 7. Column Chart Slider**—Allows you to view "hidden" parts of column charts that are too wide to display in a panel.

**Note:** For more information, see "Working with Column Charts" on page 18.

- 8. Number of Projects By State**—Displays the total number of USACE Environmental Stewardship projects by state for the selected USACE Division, USACE District, state, and project as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.

## **9. Module Tabs**

- **Home**—Returns to the Home page from any other page.

- **National Fish Habitat Partnership**—Displays the National Fish Habitat Partnership page.

**Note:** For more information, see "Understanding the National Fish Habitat Partnership Page" on page 11.

- **Whooping Crane Migration**—Displays the Whooping Crane Migration page.

**Note:** For more information, see "Understanding the Whooping Crane Migration Page" on page 13.

- **Monarch Migration**—Displays the Monarch Migration page

**Note:** For more information, see "Understanding the Monarch Migration Page" on page 16.

- **User's Guide**—Opens this document in a new browser window.

- **Exit**—Closes the National Initiatives Module and returns to the USACE Natural Resource Management Suite webpage.

- 10. Environmental Stewardship Projects**—Lists all USACE Environmental Stewardship projects by USACE Division, USACE District, and name for the selected USACE Division, USACE District, state, and project.

**Note:** For more information, see "Working with Lists" on page 21.

- 11. ENS Projects Panel**—Displays the total number of USACE Environmental Stewardship projects for the selected USACE Division, USACE District, state, and project.

- 12. Monarch Panel**—Displays the total number of USACE Environmental Stewardship projects in the I-35 Monarch Corridor for the selected USACE Division, USACE District, state, and project.



**13. Whooping Crane Panel**—Displays the total number of USACE Environmental Stewardship projects in the Whooping Crane Flyway, the total number of USACE Environmental Stewardship projects in the overall whooping crane migration range, and the total number of USACE Environmental Stewardship projects in the whooping crane core migration flyway for the selected USACE Division, USACE District, state, and project.

**14. National Fish Habitat Partnership: ENS Projects /Partnership Opportunities Panel**—Displays the total number of USACE Environmental Stewardship projects and National Fish Habitat Partnership opportunities for the selected USACE Division, USACE District, state, and project.

**15. Selections Tool**—Provides another means of searching across the entire dataset (in addition to Smart Search).

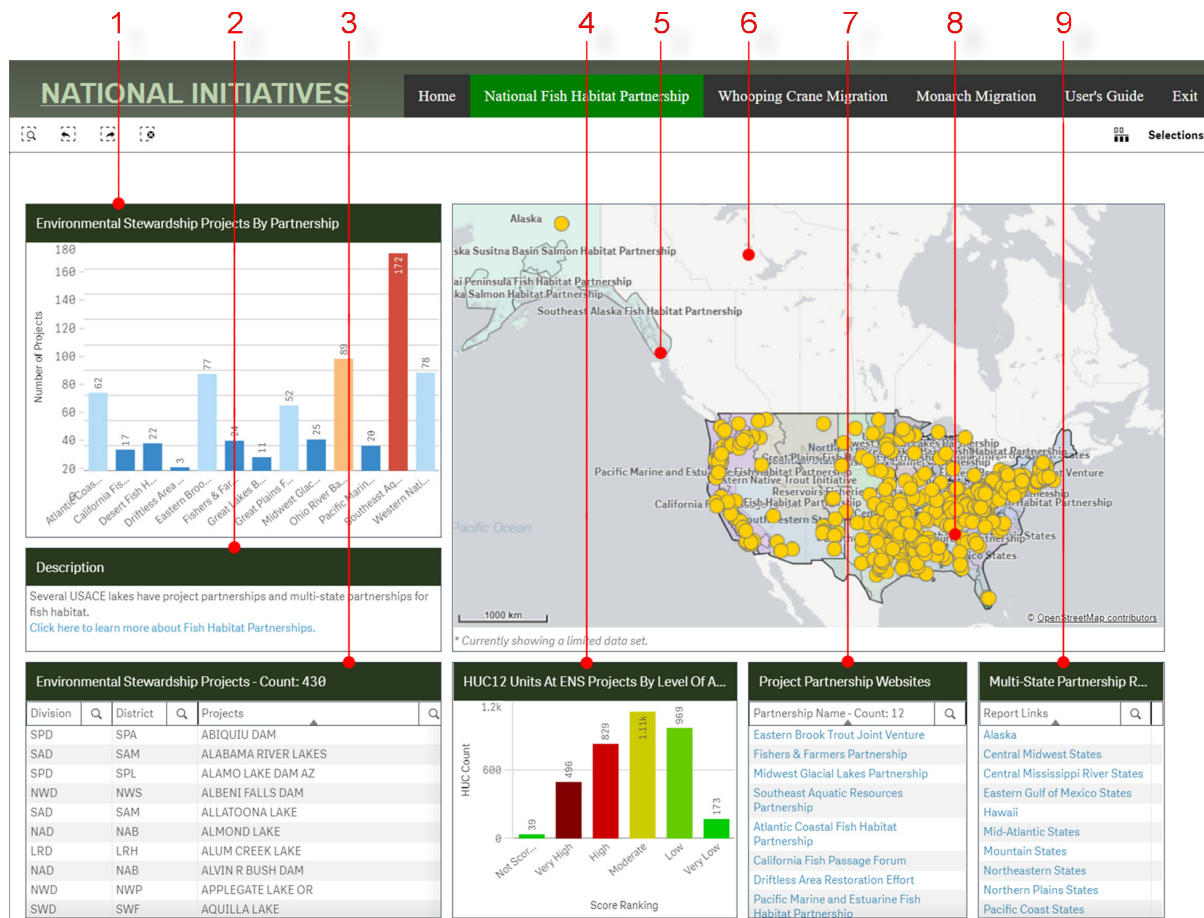
**Note:** For more information, see "Using the Selections Tool" on page 27.



# Understanding the National Fish Habitat Partnership Page

Several USACE lakes have project partnerships and multi-state partnerships for fish habitat. Clicking the National Fish Habitat Partnership tab displays the National Fish Habitat Partnership page. It consists of the following parts.

National Fish Habitat Partnership



- 1. Environmental Stewardship Projects by Partnership Panel**—Displays the total number of USACE Environmental Stewardship projects with a National Fish Habitat Partnership for the selected USACE Division, USACE District, project, HUC12 level, and partnership as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.

- 2. Description Panel**—Provides a short description of the ENS National Fish Habitat Partnership National Initiative page and includes a link to the National Fish Habitat Partnership website.

Click the link to open the website in a new browser window.



3. **Environmental Stewardship Projects - Count: xxx Panel**—Lists the USACE Environmental Stewardship projects with a National Fish Habitat Partnership and provides a means of filtering the contents of the panels and map on this page by USACE Division, USACE District, and project.

**Note:** For more information, see "Working with Lists" on page 21.

4. **HUC12 Units at ENS Projects by Level of Anthropogenic Disturbance Panel**—Displays the total number of Hydrologic Unit Code 12 (HUC12) units at USACE Environmental Stewardship projects by level of anthropogenic disturbance within the selected USACE Division, USACE District, and project as a column chart.

HUC12 refers to a subwatershed, typically an area 10K-40K acres (15 mi<sup>2</sup>-62 mi<sup>2</sup>).

**Note:** For more information, see "Working with Column Charts" on page 18.

5. **National Fish Habitat Partnership Boundaries**—Identifies the boundary of each National Fish Habitat Partnership.

**Note:** For more information, see "Working with Maps" on page 23.

6. **Basemap**—Provides a world map upon which USACE Environmental Stewardship projects with National Fish Habitat Partnership projects within the selected USACE Division, USACE District, project, HUC12 level, and Fish Habitat Partnership are displayed.

**Note:** For more information, see "Working with Maps" on page 23.

7. **Project Partnership Websites Panel**—Provides links to all National Fish Habitat Partnership websites within the selected USACE Division, USACE District, project, and HUC12 level.

Click a link to open the website in a new browser window.

8. **ENS Project Partnerships**—Identifies the location of each USACE Environmental Stewardship project with a National Fish Habitat Partnership within the selected USACE Division, USACE District, project, and HUC12 level.

**Note:** For more information, see "Working with Maps" on page 23.

9. **Multi-State Partnership Reports Panel**—Provides links to multi-state National Fish Habitat Partnership reports for USACE Environmental Stewardship projects within the selected USACE Division, USACE District, project, and HUC12 level.

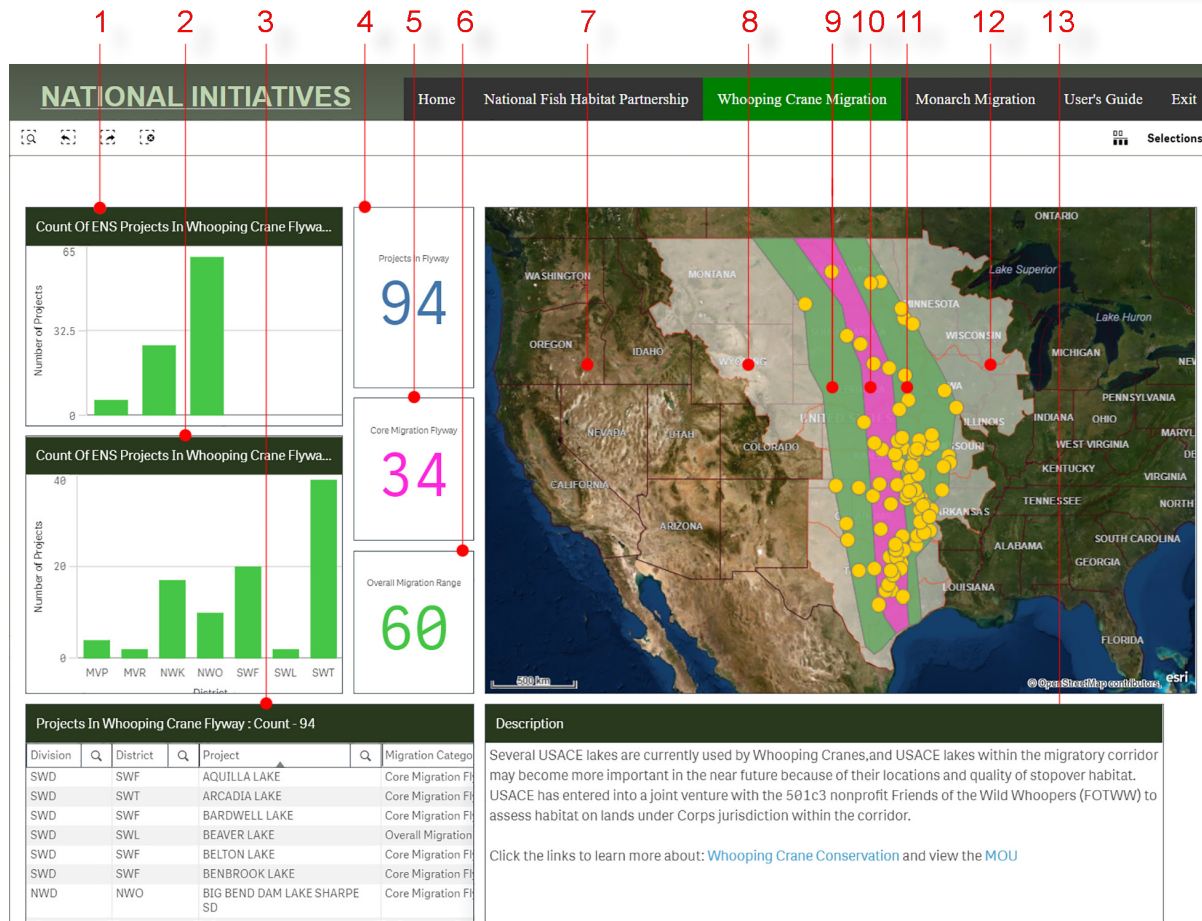
Click a link to open the report in PDF format in a new browser window.

# Understanding the Whooping Crane Migration Page

Several USACE lakes are currently used by whooping cranes, and USACE lakes within the migratory corridor may become more important in the near future because of their locations and quality of stopover habitat. USACE has entered into a joint venture with the 501c3 non-profit Friends of the Wild Whoopers (FOTWW) to assess habitat on lands under Corps jurisdiction within the corridor.

Clicking the Whooping Crane Migration tab displays the Whooping Crane Migration page.

Whooping Crane Migration



- 1. Count Of ENS Projects In Whooping Crane Flyway By Division Panel**—Displays the total number of USACE Environmental Stewardship projects within the Whooping Crane Flyway by USACE Division, USACE District, project, and migration category as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.

- 2. Count Of ENS Projects In Whooping Crane Flyway By District Panel**—Displays the total number of USACE Environmental Stewardship projects within the Whooping Crane Flyway by USACE Division, USACE District, project, and migration category as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.



- 3. Projects In Whooping Crane Flyway: Count - xx Panel**—Lists the USACE Environmental Stewardship projects within the Whooping Crane Flyway and provides a means of filtering the contents of the panels and map on this page by USACE Division, USACE District, project, and migration category.

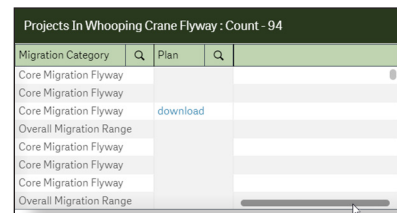
**Note:** For more information, see "Working with Lists" on page 21.

Some USACE Environmental Stewardship projects have a related whooping crane plan. Use the following steps to view the plan.

- a. Use the scroll bar at the bottom of the panel to scroll to the right side of the panel.

- b. Click the Download link of the plan you want to view.

The plan opens in a new browser window in PDF format.



Migration Category	Q	Plan	Q
Core Migration Flyway			
Core Migration Flyway			
Core Migration Flyway		download	
Overall Migration Range			
Core Migration Flyway			
Core Migration Flyway			
Core Migration Flyway			
Overall Migration Range			

- 4. Projects in Flyway**—Displays the total number of USACE Environmental Stewardship projects within the selected USACE Division, USACE District, project, and migration category that are located within the Whooping Crane Flyway.
- 5. Core Migration Flyway**—Displays the total number of USACE Environmental Stewardship projects within the selected USACE Division, USACE District, project, and migration category that are located within the core Whooping Crane Flyway.
- 6. Overall Migration Range**—Displays the total number of USACE Environmental Stewardship projects that are located within the selected USACE Division, USACE District, project, and migration category that are located within the overall whooping crane migration range.
- 7. Basemap**—Provides a world map upon which the Whooping Crane Flyway, overall migration flyway, and USACE Environmental Stewardship projects within the selected USACE Division, USACE District, project, and migration category are displayed.

**Note:** For more information, see "Working with Maps" on page 23.

- 8. USACE Districts**—Displays the extent of each USACE District within which whooping crane migration occurs.

**Note:** For more information, see "Working with Maps" on page 23.

- 9. Overall Migration Range**—Displays the extent of the overall Whooping Crane migration range.

**Note:** For more information, see "Working with Maps" on page 23.

- 10. Core Migration Flyway**—Displays the extent of the core Whooping Crane Flyway.

**Note:** For more information, see "Working with Maps" on page 23.

- 11. ENS Projects**—Identifies the location of each USACE Environmental Stewardship project within the Whooping Crane Flyway for the selected USACE Division, USACE District, project, and migration category.

**Note:** For more information, see "Working with Maps" on page 23.



**12. USACE District Boundaries**—Displays the boundaries of each USACE District within which the Whooping Crane migration occurs.

**Note:** For more information, see "Working with Maps" on page 23.

**13. Description**—Provides a description of the ENS Whooping Crane Migration National Initiative webpage and includes links to the USACE Whooping Crane Summary and the Memorandum of Understanding between USACE and Friends of the Wild Whoppers.

Click a link to open the document in a new browser window.

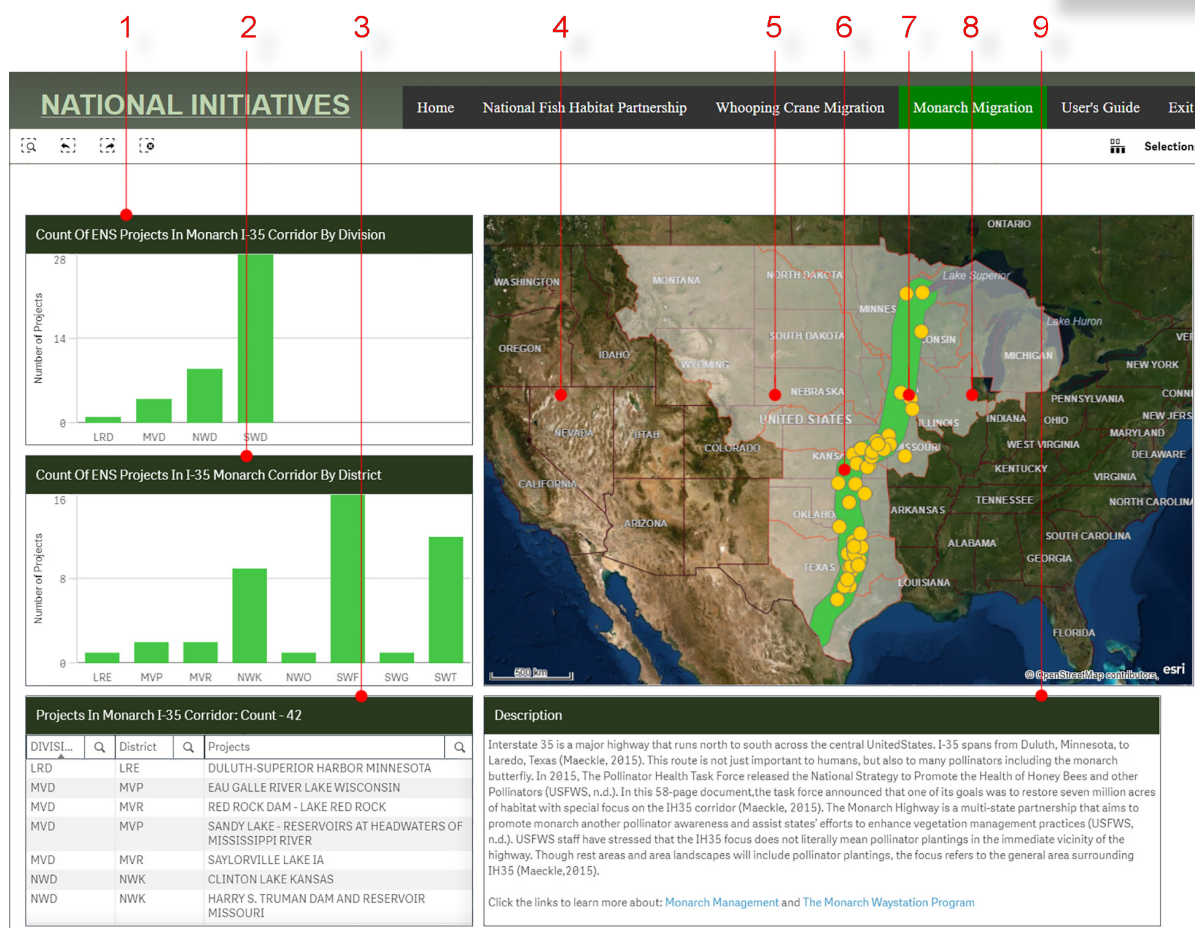


# Understanding the Monarch Migration Page

The I-35 corridor, which runs south from Duluth, MN, to Laredo, TX, is important to many pollinators, including the monarch butterfly. The Monarch Highway is a multi-state partnership that aims to promote monarch and other pollinator awareness and assist states' efforts to enhance vegetation management practices.

Clicking the Monarch Migration tab displays the Monarch Migration page.

Monarch Migration



1. **Count Of ENS Projects In Monarch I-35 Corridor By Division Panel**—Displays the total number of USACE Environmental Stewardship projects within the Monarch I-35 Corridor for the selected USACE Division, USACE District, and project as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.

2. **Count Of ENS Projects In Monarch I-35 Corridor By District Panel**—Displays the total number of USACE Environmental Stewardship projects within the Monarch I-35 Corridor for the selected USACE Division, USACE District, and project as a column chart.

**Note:** For more information, see "Working with Column Charts" on page 18.





3. **Projects In Monarch I-35 Corridor: Count - xx Panel**—Lists the USACE Environmental Stewardship projects within the Monarch I-35 Corridor and provides a means of filtering the contents of the panels and map on this page by USACE Division, USACE District, and project.

**Note:** For more information, see "Working with Lists" on page 21.

4. **Basemap**—Provides a world map upon which the Monarch I-35 Corridor and the USACE Environmental Stewardship projects for the selected USACE Division, USACE District, and project are displayed.

**Note:** For more information, see "Working with Column Charts" on page 18.

5. **USACE Districts**—Displays the extent of each USACE District within the Monarch I-35 Corridor.

**Note:** For more information, see "Working with Maps" on page 23.

6. **Monarch Corridor**—Displays the extent of the Monarch I-35 Corridor.

**Note:** For more information, see "Working with Maps" on page 23.

7. **ENS Projects**—Identifies the location of each USACE Environmental Stewardship project within the Monarch I-35 Corridor for the selected USACE Division, USACE District, and project.

**Note:** For more information, see "Working with Maps" on page 23.

8. **USACE District Boundaries**—Displays the boundaries of each USACE District within which the Monarch I-35 Corridor runs.

**Note:** For more information, see "Working with Maps" on page 23.

9. **Description**—Provides a description of the Monarch Migration page and includes links to the USACE Monarch Management Summary and the Monarch Waystation Program.

Click a link to open the document or website in a new browser window.



## Working with Column Charts

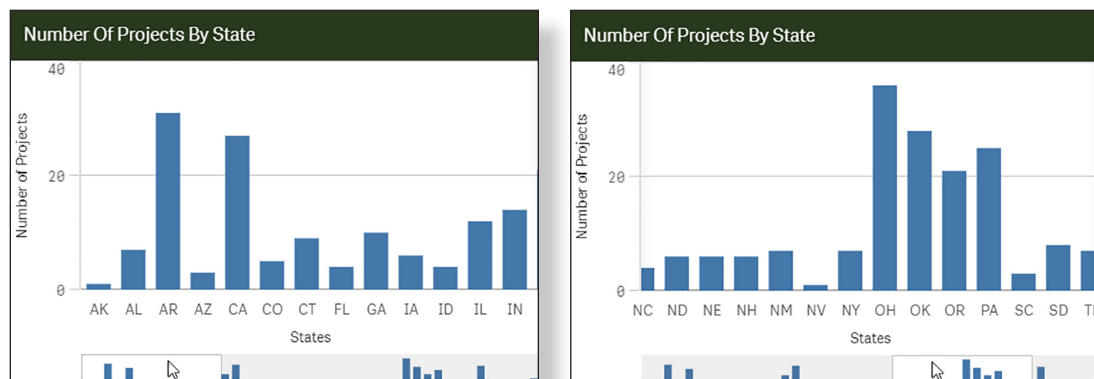
Column charts display various statistics within the selected USACE Division/District/project (or all USACE Divisions/Districts/projects by default).

Use the following techniques when working with column charts.

### Displaying "Hidden" Parts of a Column Chart

Sometimes (and depending on your screen size), a chart is too wide to fit within the boundaries of the panel.

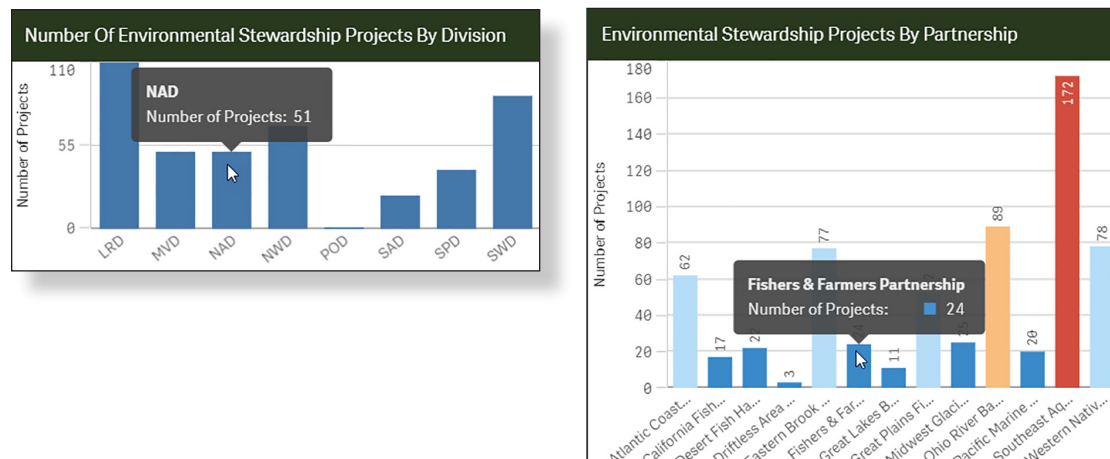
1. Press and hold down the mouse button on the slider and drag it to the left or right to slide the "hidden" parts into view.



### Displaying Column Details

While number units are displayed along the vertical axis, it is not always easy to determine the exact height of a column. However, this information displays when the cursor hovers over the column.

1. Hover the cursor over the column.

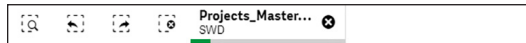


## Filtering with Columns

Clicking a column in a column chart filters the contents of the other panels and map on the page to display only those features with the selected criteria.

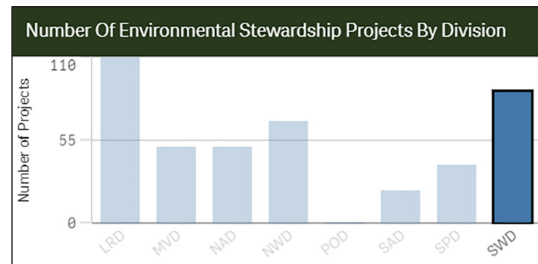
- 1 Click one column in the column chart.


The column is selected, the search criteria is added to the search bar, and all panels on the page are updated accordingly.



- 2 If you want, click one or more additional columns.

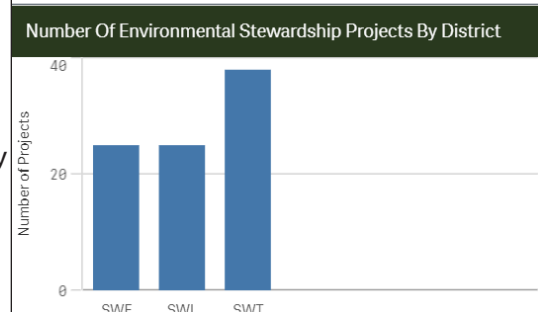
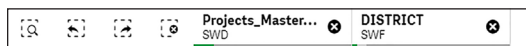
The columns are selected, the search criteria is added to the search bar, and all panels on the page are updated accordingly.




- 3 After you have made your selection(s), click the  (Confirm Selection) icon.

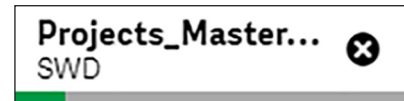
The search box closes, and the updated page panels and map remain displayed.

**Note:** At this point, you can click columns in other column charts to filter your results even more. For example, you could click the "SWF" column in the Number of Environmental Stewardship Projects by District panel to filter the Number of Projects by State panel to display on the projects in the states covered by SWF.





- 4 To clear the search term(s) and return the page panels and map to the default display, do one of the following:



- Click the  (Clear Selection) icon to the right of the search term to clear that search term.



**Note:** This clears only the selected search term.

- Click the  (Step Back) icon in the search bar.

**Note:** This clears each search term selection individually from right to left. For example, if you selected only "SWD" as a search term in the Division column, clicking the  icon would clear the entire search. However, if you selected both "SWD" and "SWF" as search terms, clicking the  icon once would clear the "SWF" search and clicking it a second time would clear the "SWD" search.

**Note:** Once you use the  (Step Back) icon to clear a search term, you can use the  (Step Forward) icon return that item to the search bar.

- Click the  (Clear All Selections) icon in the search bar.



# Working with Lists

Use the following techniques to interact with list panels on any page.

## Sorting a List Alphabetically


By default, the projects in each list panel are displayed in ascending alphabetical order by project name.

- 1 Click a column heading once to sort the list in ascending alphabetical order (▲).
- 2 Click the column heading a second time to sort the list in descending alphabetical order (▼).

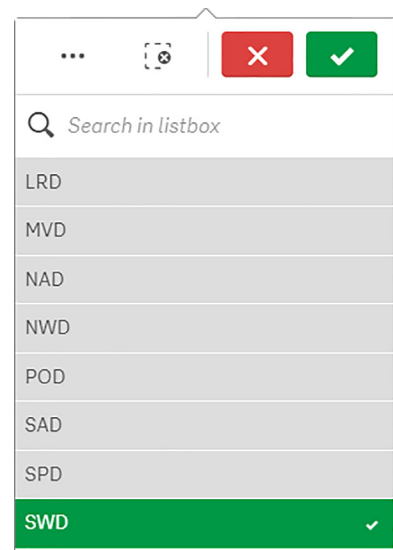
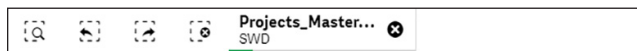
Environmental Stewardship Projects			
Division	District	Name	
SPD	SPA	ABIOU DAM	
SAD	SAM	ALABAMA RIVER LAKES	
SPD	SPL	ALAMO LAKE DAM AZ	
NWD	NWS	ALBENI FALLS DAM	
SAD	SAM	ALLATOONA LAKE	
NAD	NAB	ALMOND LAKE	
LRD	LRH	ALUM CREEK LAKE	
NAD	NAB	ALVIN R BUSH DAM	
NWD	NWP	APPEGATE LAKE OR	
SWD	SWF	AQUILLA LAKE	
SWD	SWT	ARCADIA LAKE	
MVD	MVK	ARKABUTLA LAKE	
NAD	NAB	ARKPORT	
SWD	SWL	ARTHUR B. ORMOND LOCK (J.W. ROCKEFELLER) - POOL 9	
MVD	MVN	ATCH BASIN FLOODWAY SYSTEM	
LRD	LRH	ATWOOD LAKE	
NAD	NAB	AYLESWORTH	
SAD	SAW	B EVERETT JORDAN DAM AND LAKE	
NAD	NAE	BALL MOUNTAIN LAKE	
SWD	SWF	BARDWELL LAKE	
LRD	LRN	BARKLEY DAM AND LAKE BARKLEY	
NAD	NAE	BARRE FALLS DAM	
LRD	LRL	BARREN RIVER LAKE	
MVD	MVK	BAYOU BODCAU RESERVOIR	
LRD	LRH	BEACH CITY LAKE	
NWD	NWO	BEAR CREEK LAKE COLORADO	
SWD	SWL	BEAVER LAKE	
LRD	LRH	BEECH FORK LAKE	
LRD	LRH	BELLEVILLE LOCK - OHIO RIVER LOCKS AND DAMS HUNTINGTON	
SWD	SWF	BELTON LAKE	
NAD	NAP	BELTZVILLE LAKE	
SWD	SWF	BENBROOK LAKE	


## Searching a List

Searching filters the list according to the search term and updates all panels and the map on the page.

1. Click the  (Search) button next to any column heading to display the search box.
2. Click one or more of the items in the list.

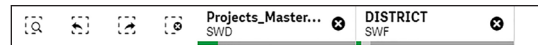
The item is highlighted, the search term(s) are added to the search bar, and the page panels and map update accordingly.



3. After you have made your selection(s), click the  (Confirm Selection) button.


The search box closes, and the updated page panels and map remain displayed.

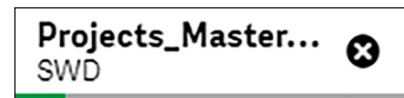
**Note:** At this point, you can click columns in other column charts to filter your results even



more. For example, you could click the "SWF" column in the Number of Environmental Stewardship Projects by District panel to filter the Number of Projects by State panel to display on the projects in the states covered by SWF.



4. To clear the search term(s) and return the page panels and map to the default display, do one of the following:



- Click the  (Clear Selection) icon to the right of the search term to clear that search term.



**Note:** This clears only the selected search term.

- Click the  (Step Back) icon in the search bar.

**Note:** This clears each search term selection individually from right to left. For example, if you selected only "SWD" as a search term in the Division column, clicking the  icon would clear the entire search. However, if you selected both "SWD" and "SWF" as search terms, clicking the  icon once would clear the "SWF" search and clicking it a second time would clear the "SWD" search.

**Note:** Once you use the  (Step Back) icon to clear a search term, you can use the  (Step Forward) icon return that item to the search bar.

- Click the  (Clear All Selections) icon in the search bar.

# Working with Maps

Use the following techniques to work with the maps in the ENS National Initiatives Module.

## Panning

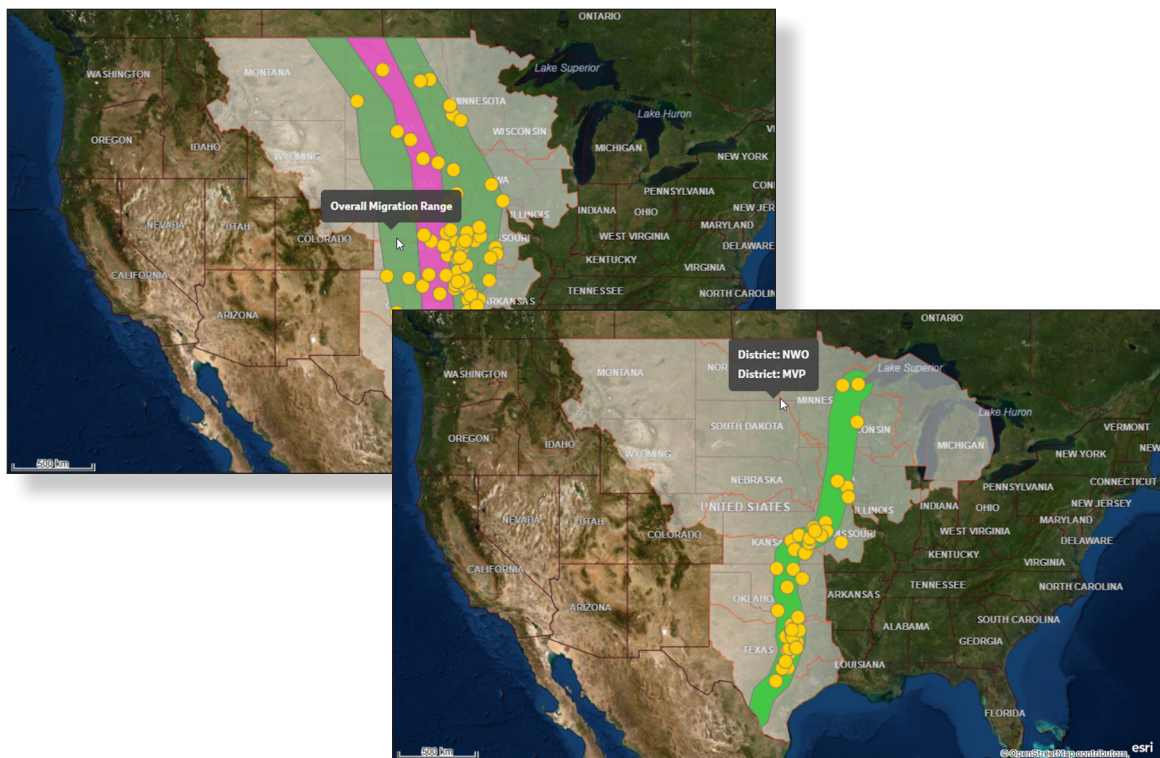
To move the map in any direction, position the cursor over the map, press and hold down the left mouse button, and drag the map in the appropriate direction.

## Zooming In and Out

- To enlarge the map and zoom in to a specific location, position the cursor over the map and scroll the mouse button up.
- To reduce the map and zoom out to a larger area, position the cursor over the map and scroll the mouse button down.

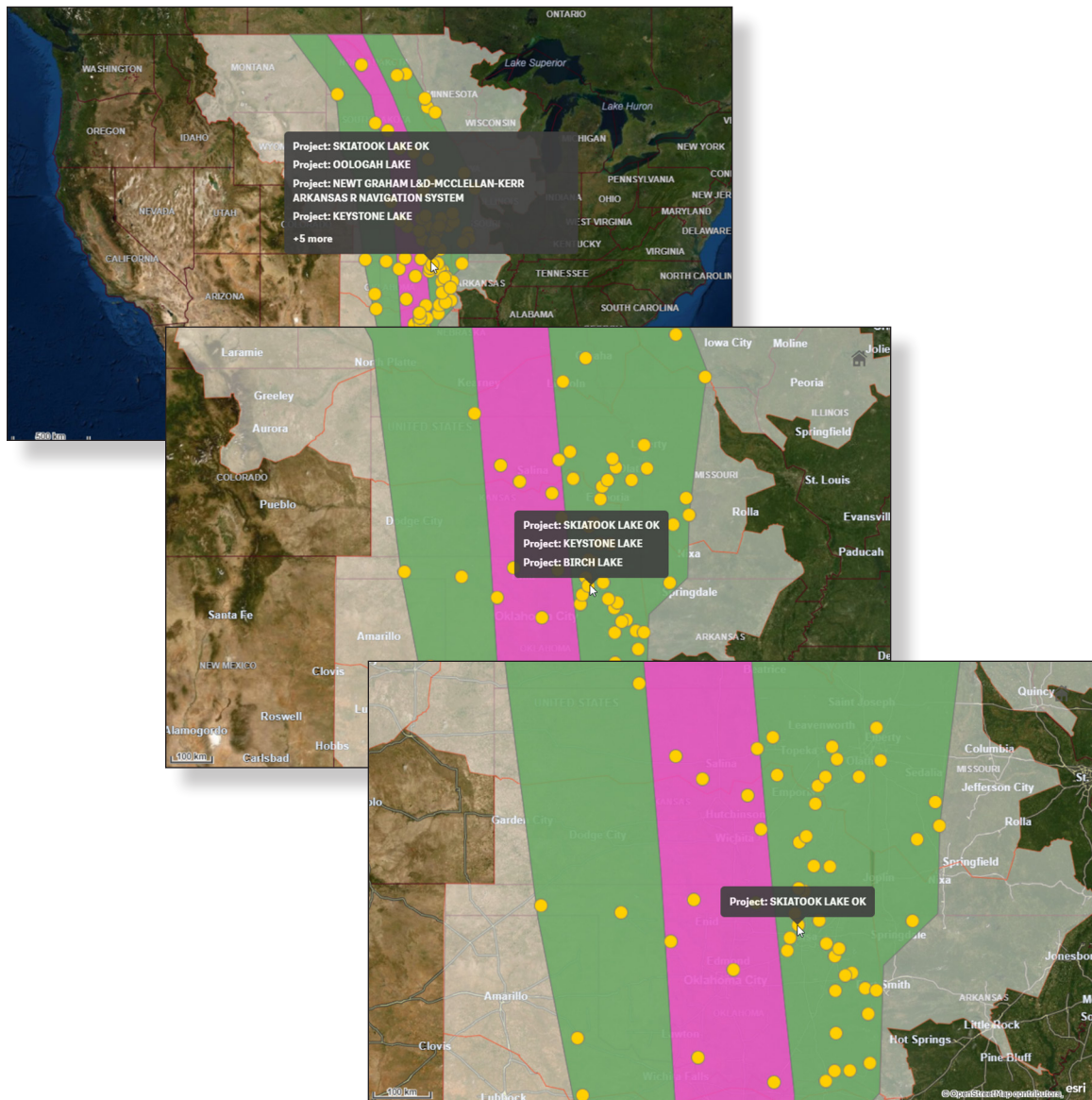
## Displaying Feature Details

- To display details of any feature on the map (for example, ENS project icon or shaded area), hover the cursor over the feature.





**Note:** If multiple USACE Environmental Stewardship projects are located in the same approximate area, it may not be possible to display individual project icons and the hovering displays details for multiple projects. In such cases, zoom in to the map to display individual icons.





# Using Smart Search

Smart Search allows you to search the entire dataset, not within just a single page.

1. In the search bar, click the  (Smart Search) icon.

A "Search your data" field displays along with a list of your recent searches.

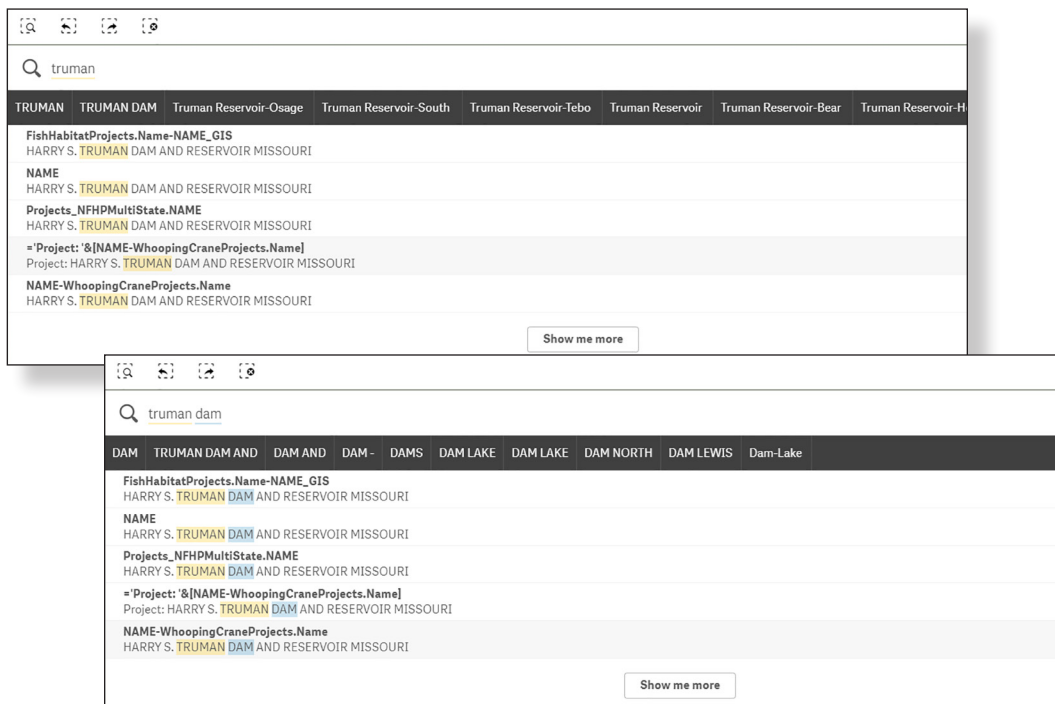


The screenshot shows the top of the Smart Search interface. At the top, there are four icons: a magnifying glass, a document, a list, and a refresh icon. Below these is a search bar with the placeholder text "Search your data". To the right of the search bar is a "Selections" button. Below the search bar is a section titled "Recent searches". It contains a table with two columns: "Search term" and "Clear all". The first row shows the search term "grove" and a "Clear all" button with an 'x' icon.

2. Enter a search term.

**Note:** Smart search supports only text search. Search operators, such as quotation marks and boolean operators, are not supported.

As you type, a list of related search terms and search results displays and automatically updates as you continue to type.



The first screenshot shows the search bar with the text "truman". Below the search bar is a list of related search terms: TRUMAN, TRUMAN DAM, Truman Reservoir-Osage, Truman Reservoir-South, Truman Reservoir-Tebo, Truman Reservoir, Truman Reservoir-Bear, and Truman Reservoir-H. Below these terms is a list of search results. The first result is "FishHabitatProjects.Name-NAME\_GIS" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The second result is "NAME" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The third result is "Projects\_NFHPMultiState.NAME" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The fourth result is "'Project: '&[NAME-WhoopingCraneProjects.Name]" with the text "Project: HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The fifth result is "NAME-WhoopingCraneProjects.Name" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". A "Show me more" button is at the bottom right of the results list.

The second screenshot shows the search bar with the text "truman dam". Below the search bar is a list of related search terms: DAM, TRUMAN DAM AND, DAM AND, DAM -, DAMS, DAM LAKE, DAM LAKE, DAM NORTH, DAM LEWIS, and Dam-Lake. Below these terms is a list of search results. The first result is "FishHabitatProjects.Name-NAME\_GIS" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The second result is "NAME" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The third result is "Projects\_NFHPMultiState.NAME" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The fourth result is "'Project: '&[NAME-WhoopingCraneProjects.Name]" with the text "Project: HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". The fifth result is "NAME-WhoopingCraneProjects.Name" with the text "HARRY S. TRUMAN DAM AND RESERVOIR MISSOURI". A "Show me more" button is at the bottom right of the results list.



3. When the search term you want is displayed, click it.


A list of results displays.

**Note:** At times, it may be necessary to click the Show Me More button to display all results.



4. Select the appropriate result.

The Smart Search box closes and the selected feature displays on the appropriate page in the National Initiatives Module.

5. Click the  (Clear All Selections) icon in the search bar to clear the search and reset the page to the default view.

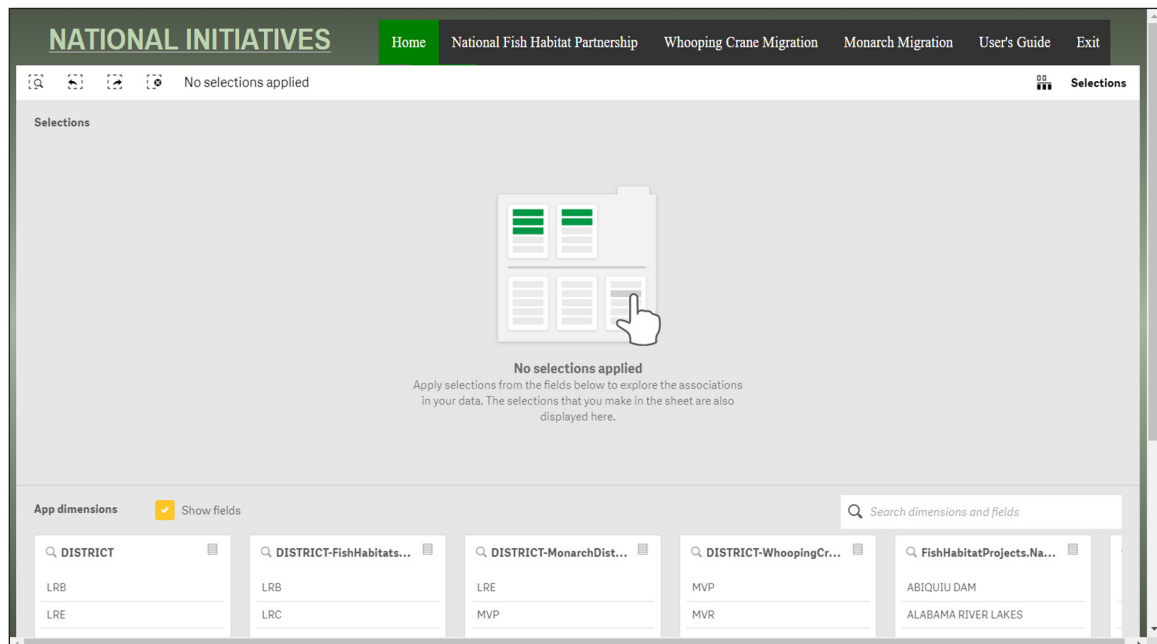
# Using the Selections Tool

The Selections Tool provides another means of searching across the entire dataset. It displays an overview of every dimension and field in the ENS National Initiatives Module. It also gives a more detailed view of selected data, so that you can explore associations in dimensions that have not been used.

1. Click the  **Selections** (Selections Tool).

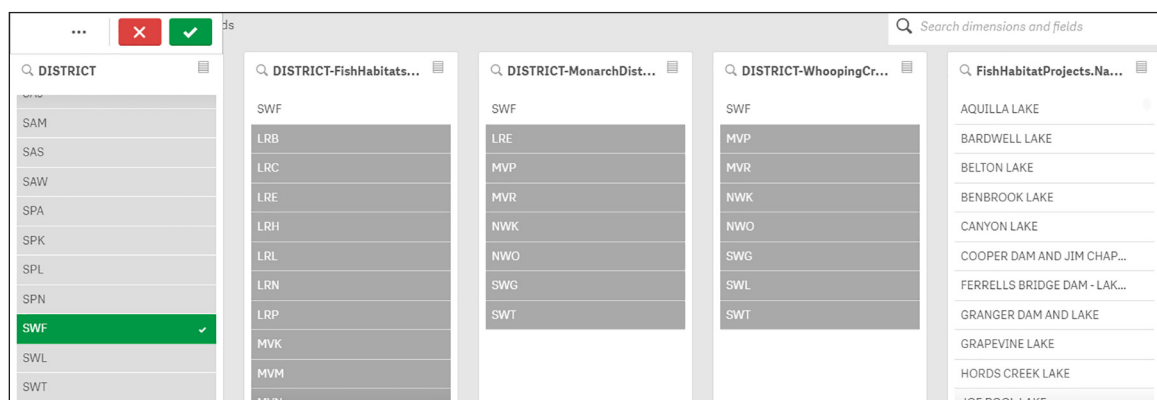
The Selections screen displays with the message "No selections applied."

The Selections screen is divided into two sections: Selections and App Dimensions. The Selections section displays the fields that have active selections, and the App Dimensions section displays all dimensions without an active selection. Both sections are sorted alphabetically.



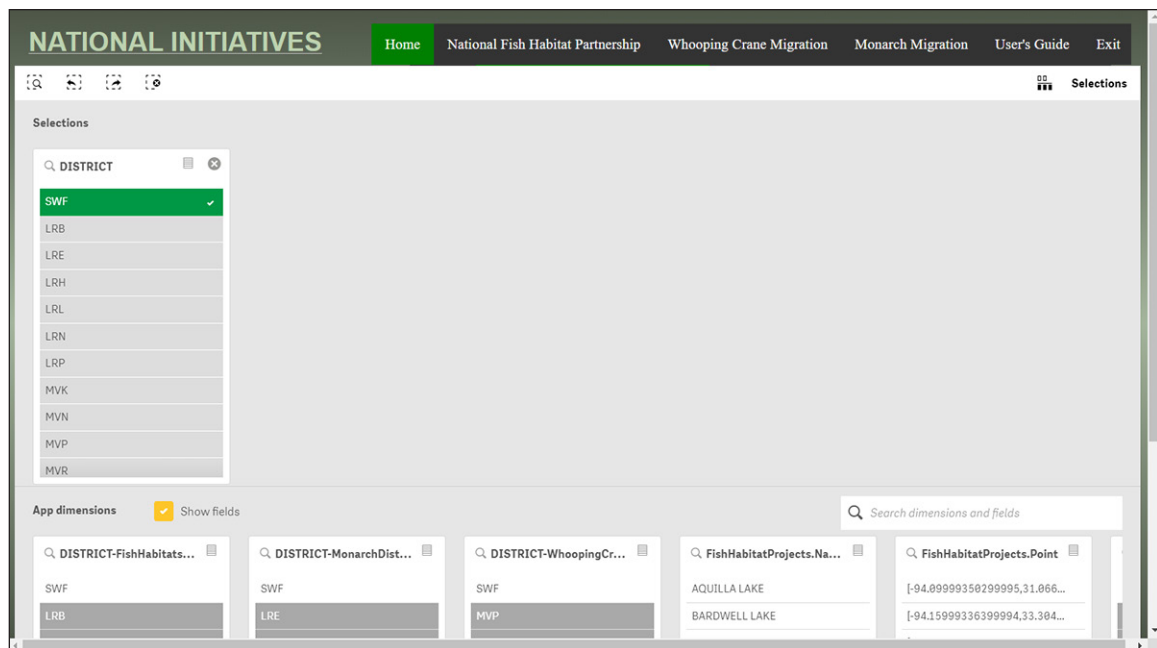
2. In any App Dimensions panel, select an item.


All other panels are updated accordingly.



3. Click the  (Confirm Selection) button.

The panel moves to the Selections area of the screen.



4. Continue making selections in the App Dimensions panels.
5. The other App Dimensions panels update accordingly.
6. To clear the selections, click the  (Clear All Selections) icon in the search bar.

## Data Sources

---

### Monarch Migration

#### I-35 Corridor

- US Census Bureau, 2015. Buffer by USACE Institute for Water Resources, 2015.

### National Fish Habitat Partnership

#### National Fish Habitat Partnership (NFHP) Boundaries

- National Fish Habitat Partnership System, 2013. Merged by USACE Institute for Water Resources, 2017.

#### National Fish Habitat Partnership (NFHP) State Boundaries

- Esri, TomTom North America, Inc., U.S. Census Bureau, U.S. Department of Agriculture (USDA), National Agricultural Statistics Service (NASS), 2012. Grouping by USACE Institute for Water Resources, 2017.

#### National Fish Habitat Action Plan (NFHAP) 2010 National Assessments for 12-Digit Hydrological Unit Codes (HUC12s) of the United States

- U.S. Fish and Wildlife Service and the U.S. Geological Survey, 2011. The following individuals were involved in NFHAP data collection and analysis: Peter C. Esselman, Dana M. Infante, Lizhu Wang, William W. Taylor, Wesley M. Daniel, Ralph Tingley, Jacqueline Fenner, Arthur Cooper, Daniel Wieferich, Darren Thornbrugh, and Jared Ross. Spatial join by USACE Institute for Water Resources, 2017.

### Whooping Crane Migration

#### Whooping Crane Migratory Corridor Delineation

- Pearse, A. T., Rabbe, M., Juliusson, L. M., Bidwell, M. T., Craig-Moore, L., Brandt D. A., et al., 2018, Delineating and identifying long-term changes in the whooping crane (*Grus americana*) migration corridor. PLoS ONE 13(2): e0192737. <https://doi.org/10.1371/journal.pone.0192737>.

