

Channel Portfolio Tool

Module 6: Reach Administrator Functions



<https://cpt.usace.army.mil>

K. Ned Mitchell, PhD

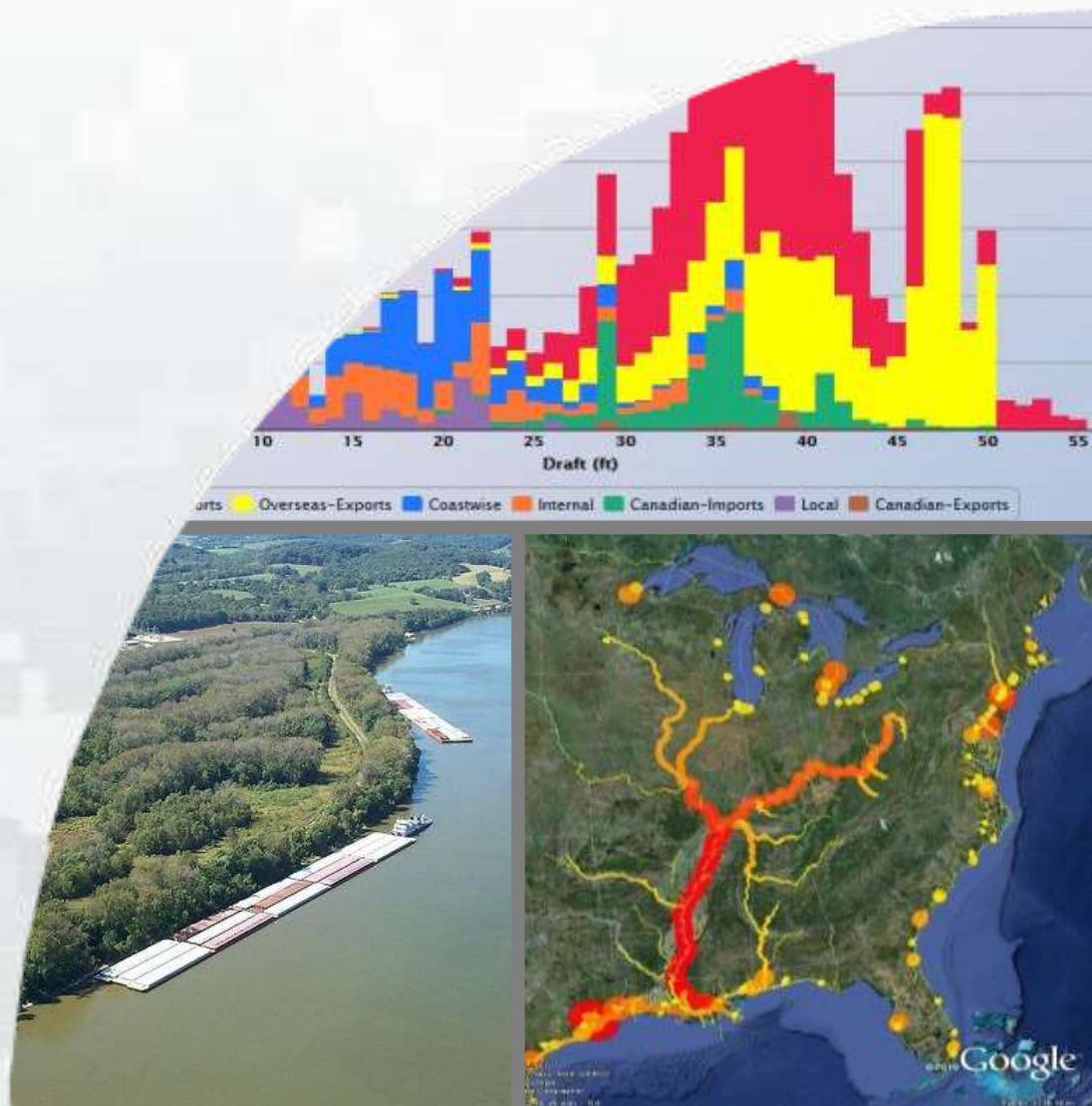
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US Army Corps
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Module Outline

- Definition of Limiting Depth as used by CPT
- Reach Admin functions
- Uploading Limiting Depth data into CPT
- Possible error messages

Limiting Depth

- Limiting Depth values are a reflection of actual operating conditions during a year, as opposed to the listed Authorized Depth.
- Users with Reach Admin capability can upload reach-level annual limiting depth values to CPT.
- If no specific limiting depth value is provided, CPT will calculate a default limiting depth value based on the deepest transiting vessel from the WCSC database for that year.
- The assumption is that commercial navigation would utilize deeper depths if they were available.

Reach Admin functions

- Users with Reach Admin access can edit the Limiting Depth values for individual reaches, by year.
- Until eHYDRO is fully implemented and integrated with CPT workflows information for limiting depths is updated on an 'as available' basis.

How to access Reach Admin from the home screen

The screenshot displays the 'Channel Portfolio Tool' interface. At the top left is a red logo with a white castle icon. The main header area features a navigation menu with the following items: 'Query Saver', 'Preferences', 'Locations', 'Reports', 'Admin', 'CSMART', 'Home', 'Profile', 'Log Off', and 'He'. The 'Admin' menu item is highlighted with a yellow box, and a dropdown menu is visible below it, containing 'Reach Admin' and 'Manage Users'. The user's name 'Welcome: Marin Kress (marin)' is visible in the top right corner. Below the navigation menu, there are two main sections: 'Filters and Selections' and 'Grid, Charting, and GIS Calculation/Display'. The 'Filters and Selections' section includes a 'Network' dropdown menu with options for 'Custom' (selected) and 'Ombil', and 'Docked' and 'Flow Docked' options with radio buttons. The 'Grid, Charting, and GIS Calculation/Display' section includes a 'Commodity Details' dropdown menu, 'Group By' options (Draft, System, Vessel Type, Traffic), 'Order Grid By' options (Trips, Tons, Dollars), 'Order Chart By' options (Trips, Tons, Dollars, Chart Dependent), 'Year Rollup' options (Details By Year, Years Summed, Years Averaged), 'Top N Locations' (15), 'Top N Commodities' (5), and 'Show Columns' options (Ton Miles, Dollar Miles, System Ton Miles, System Dollar Miles). Below these are 'Work Package Details', 'Budget Details', 'X-Axis', 'Y-Axis', and 'GIS' dropdown menus.

Channel Portfolio Tool

Welcome: Marin Kress (marin)

Query Saver Preferences Locations Reports **Admin** CSMART Home Profile Log Off He

Continue

Filters and Selections

Network

Network: Custom Ombil

Docked: Docked Transit (Docked + Thru)

Flow Docked: Docked Transit (Docked + Thru)

Channel Conditions

System

Direction

Commodity Year

Vessel Type

Traffic

Commodity Draft

Commodity

Budget Years

Type Fund

Grid, Charting, and GIS Calculation/Display

Commodity Details

Group By: Draft System Vessel Type Traffic

Order Grid By: Trips Tons Dollars

Order Chart By: Trips Tons Dollars Chart Dependent

Year Rollup: Details By Year Years Summed Years Averaged

Top N Locations: 15

Top N Commodities: 5

Show Columns: Ton Miles Dollar Miles System Ton Miles System Dollar Miles

Work Package Details

Budget Details

X-Axis

Y-Axis

GIS

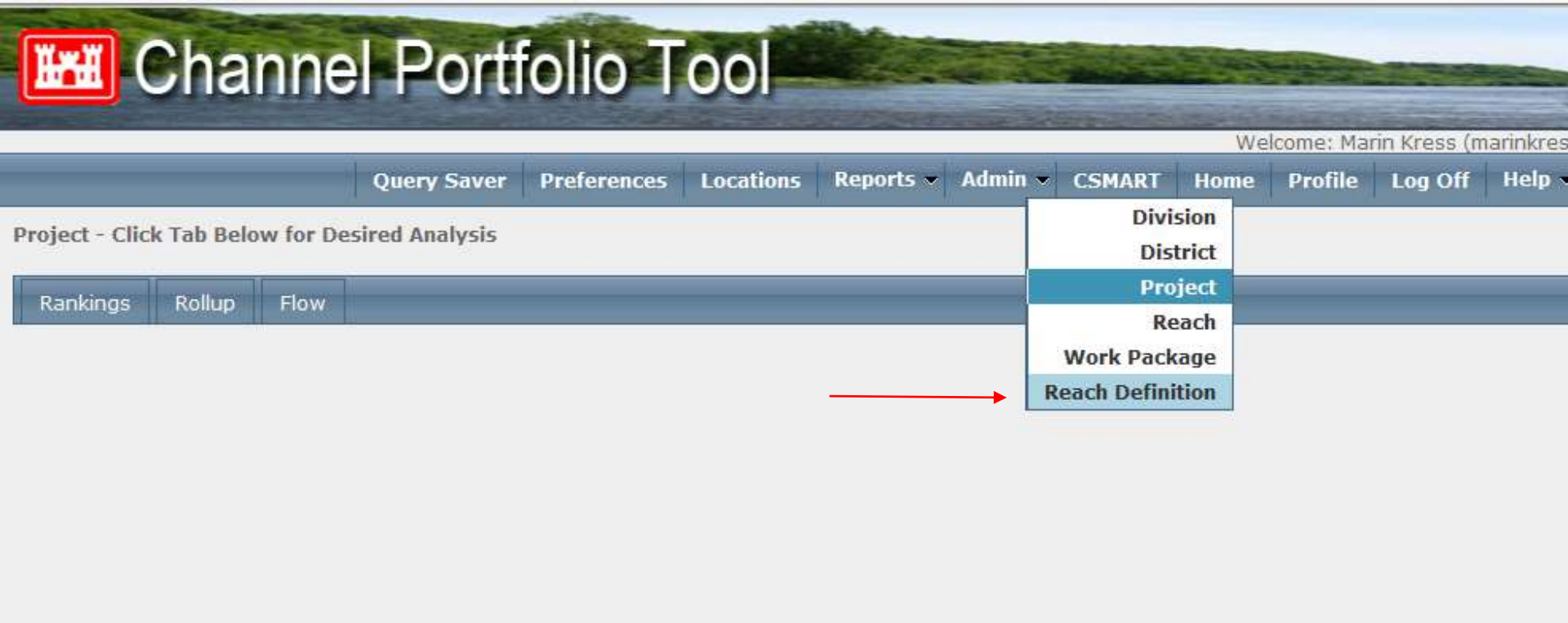
Locations

- Lakes and Rivers
- Mississippi Valley
- North Atlantic
- Northwestern
- Pacific Ocean
- South Atlantic
- South Pacific
- Albuquerque
- Los Angeles
- Sacramento
- San Francisco
 - Berkeley
 - Bodega Bay, CA
 - Carquinez Strait
 - Crescent City Harbor, CA
 - Humboldt Harbor and Bay
 - Low Use - SPN
 - Monterey Harbor
 - Moss Landing harbor, CA
 - Napa River
 - Non-Project (Other San Francisco Area Ports)
 - Non-Project (San Francisco District Other Coastal Ports)
 - Noyo River, CA
 - Oakland Harbor
 - Petaluma River
 - Redwood City Harbor
 - Richmond Harbor
 - San Francisco Bay

On the **Locations** page select the reaches whose limiting depth number you want to edit.

Click Continue

From the results page, open the **Admin** drop down menu, select **Reach Definition**



Reach Definition

Export to Excel Export to PDF

Drag a column header and drop it here to group by that column

Division	District	Project	Reach	Authorized Depth (ft)	Maintained Depth (ft)	Shoaling (ft)	Limiting Depth (ft)
South Pacific	San Francisco	Oakland Harbor	OAKLAND HARBOR, CA (857300)	56	56		1994: 1995: 1996: 1997: 1998: 1999: 2000: 2001: 2002: 2003: 2004: 2005: 42 2006: 42 2007: 42 2008: 45 2009: 45 2010: 46 2011: 2012: 2013: 2014: 2015: 2016:

You will see a table with a record for every reach in your selection. Not all reaches will have a 'Limiting Depth (ft)' entry. To move through all reaches continue to scroll down, click through the pages if needed.

To add data for any reach and year you will have to export the reach records to excel, edit them, and load them back into CPT. Select **Export to Excel** button to get started.

The exported file will have two worksheets.

The **Title** worksheet contains a non-disclosure reminder, shown below.

The screenshot displays the Microsoft Excel interface. The ribbon is set to the 'HOME' tab, showing options for FILE, HOME, INSERT, PAGE LAYOUT, FORMULAS, DATA, REVIEW, VIEW, and ACROBAT. The ribbon includes sections for Clipboard, Font (with options for HELVETICA, size 11, bold, italic, underline, color, and background color), Alignment (with options for bullet points, text alignment, and text rotation), Number (with options for General, currency, percentage, and decimal places), and Styles (with options for Conditional Formatting and Table Styles). The active cell is A1, and the formula bar shows a warning message: "WARNING These pages contain commercially sensitive statistics pertaining to rivers, harbors, and waterways and must be held in strict confidence as required by 33 C.F.R. § 209.320. Unauthorized disclosure could result in loss of employment, fines, and imprisonment under 18 U.S.C. § 1905." The worksheet is titled 'Title' and contains a table with columns A through K and rows 1 through 9. The warning message is displayed in red text in cell A1. Below the warning message, the text 'REACH DEFINITIONS' is centered in the worksheet.

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ACROBAT

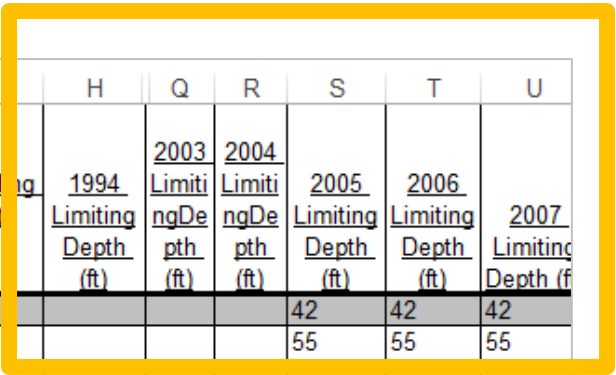
Clipboard Font Alignment Number Styles

A1 : WARNING These pages contain commercially sensitive statistics pertaining to rivers, harbors, and waterways and must be held in strict confidence as required by 33 C.F.R. § 209.320. Unauthorized disclosure could result in loss of employment, fines, and imprisonment under 18 U.S.C. § 1905.

	A	B	C	D	E	F	G	H	I	J	K
1	WARNING These pages contain commercially sensitive statistics pertaining to rivers, harbors, and waterways and must be held in strict confidence as required by 33 C.F.R. § 209.320. Unauthorized disclosure could result in loss of employment, fines, and imprisonment under 18 U.S.C. § 1905.										
2	REACH DEFINITIONS										
3											
4											
5											
6											
7											
8											
9											

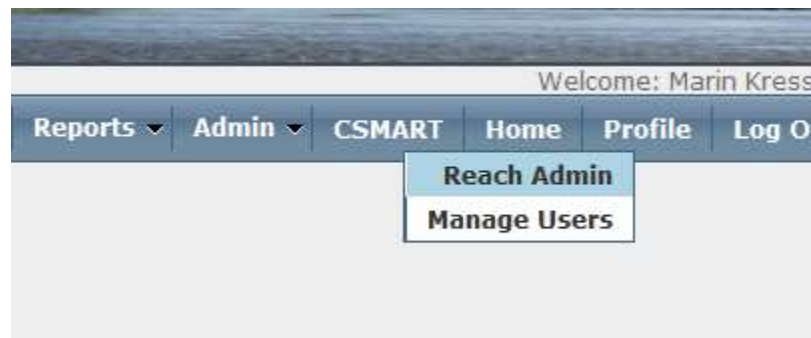
Title Reach Admin

The **Reach Admin** worksheet will contain the same information that was visible in CPT Reach Definition screen, but the years will be arranged as columns.



	A	B	C	D	E	F	G	H	Q	R	S	T	U
	<u>Division</u>	<u>District</u>	<u>Project</u>	<u>Reach</u>	<u>AuthorizedDepth (ft)</u>	<u>Maintained Depth (ft)</u>	<u>Shoaling (ft)</u>	<u>1994 Limiting Depth (ft)</u>	<u>2003 LimitingDepth (ft)</u>	<u>2004 LimitingDepth (ft)</u>	<u>2005 Limiting Depth (ft)</u>	<u>2006 Limiting Depth (ft)</u>	<u>2007 Limiting Depth (ft)</u>
1													
2	South	San	Oakland	OAKLAND HARBOR, CA (857300)	56	56					42	42	42
3	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY TO SAN PABLO BAY WTWY, CA (MILE 00	55	57					55	55	55
4	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY TO SAN PABLO BAY WTWY, CA (MILE 04	55	57					55	55	55
5	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY TO SAN PABLO BAY WTWY, CA (MILE 06	55	57					55	55	55
6	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY TO SAN PABLO BAY WTWY, CA (MILE 09	55	57					55	55	55
7	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 00 TO MILE 05) (856800)	53	56					55	55	55
8	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 06 TO MILE 07) (856900)	53	56					55	55	55
9	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 08 TO MILE 11) (857100)	53	56					53	53	53
10	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 12 TO MILE 24) (857714)	53	53					53	53	53
11	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 12 TO MILE 24) (857728)	53	53					53	53	53
12	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 12 TO MILE 24) (857742)	53	53					53	53	53
13	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 12 TO MILE 24) (857757)	53	53					53	53	53
14	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 12 TO MILE 24) (857771)	53	53					53	53	53
15	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 12 TO MILE 24) (857785)	53	53					53	53	53
16	South Pacific	San Francisc	San Francisco	SAN FRANCISCO BAY, CA (MILE 25 TO MILE 29) (857900)	45	50					50	50	50

- Within the excel file, the Reach Admin should fill in missing limiting depth data to the greatest extent possible, using 1-ft increments.
- When finished, upload the improved file back into CPT. Use the **Admin** menu to select Reach Admin.



On the **Reach Admin** screen, Use the **Select** button to bring your improved files into CPT

Welcome: Marin Kress (m

Query Saver Preferences Locations Reports Admin CSMART Home Profile Log Off

Select file(s) to Upload Reach Definitions.

Select...

Reach Definition

Export to Excel

Export to PDF

Selected files will appear as a list, only the start of the filename will be visible. Click on the Upload files button to finish the uploading process into CPT

Query Saver Preferences Locations Reports

Select file(s) to Upload Reach Definitions.

Select...

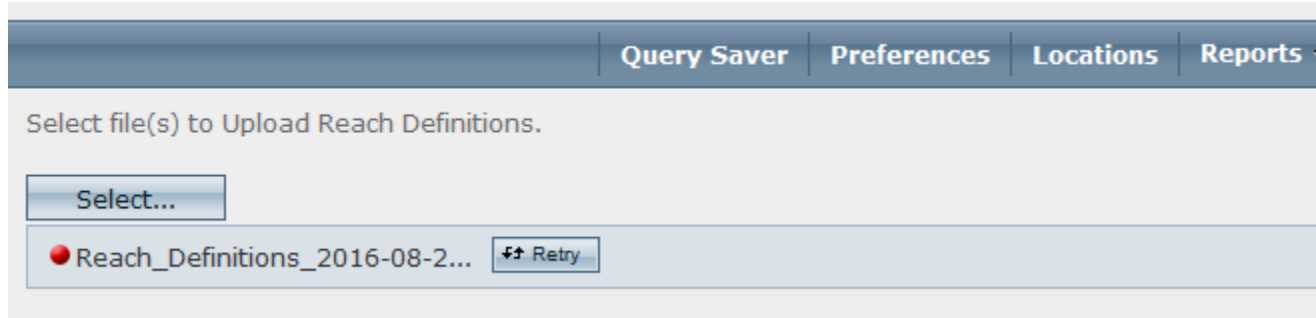
Reach Definitions_2016-01-2...

Remove

Upload files

If a reach definition file fails to upload it will have a red dot next to it. A successful file upload will have a green dot.

Uploads may fail for multiple reasons.



If you are having problem uploading an edited reach definition file to CPT please email the file to

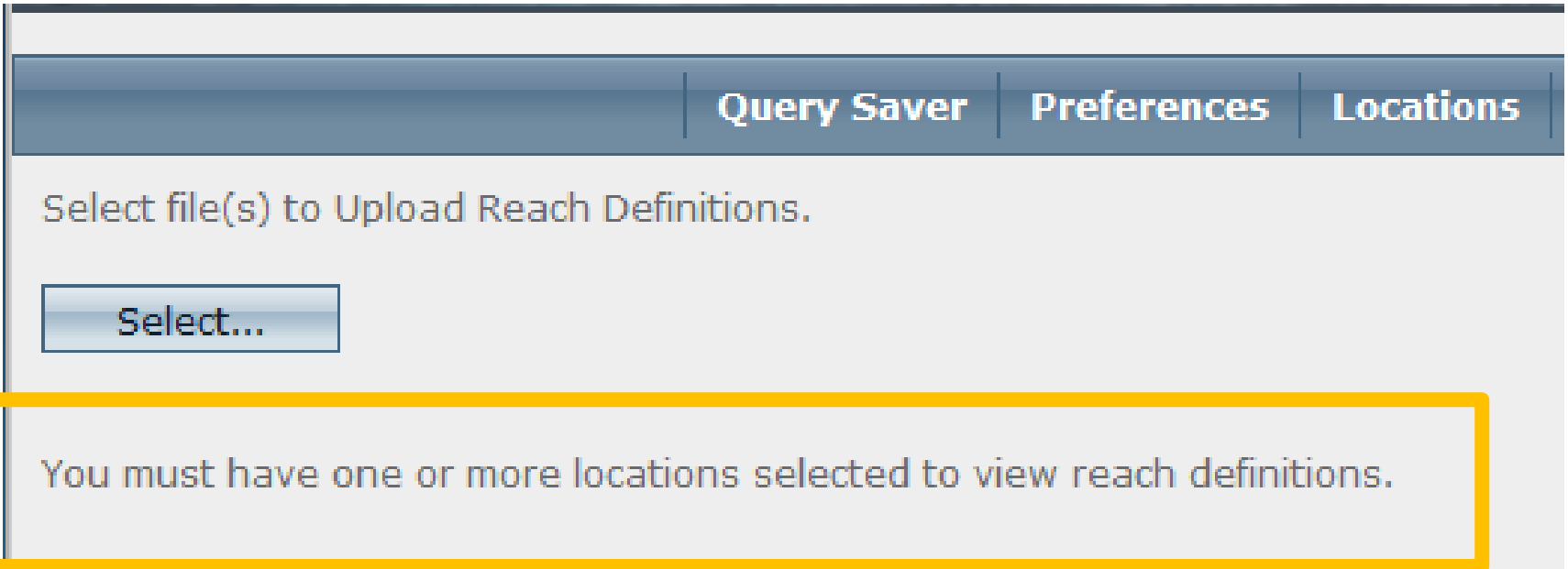
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And

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so it can go to the development team for uploading through an alternate process.

Note: Possible message that might appear if you navigation directly to the **Admin : Reach Admin** screen.



If you see this message you need to go to the LOCATIONS page and select reaches of interest if you want to check on the existing Limiting Depth records for a reach.

End of Module.

There is no exercise associated with this lesson. If you would like to update Limiting Depth information but require more information please contact us.

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