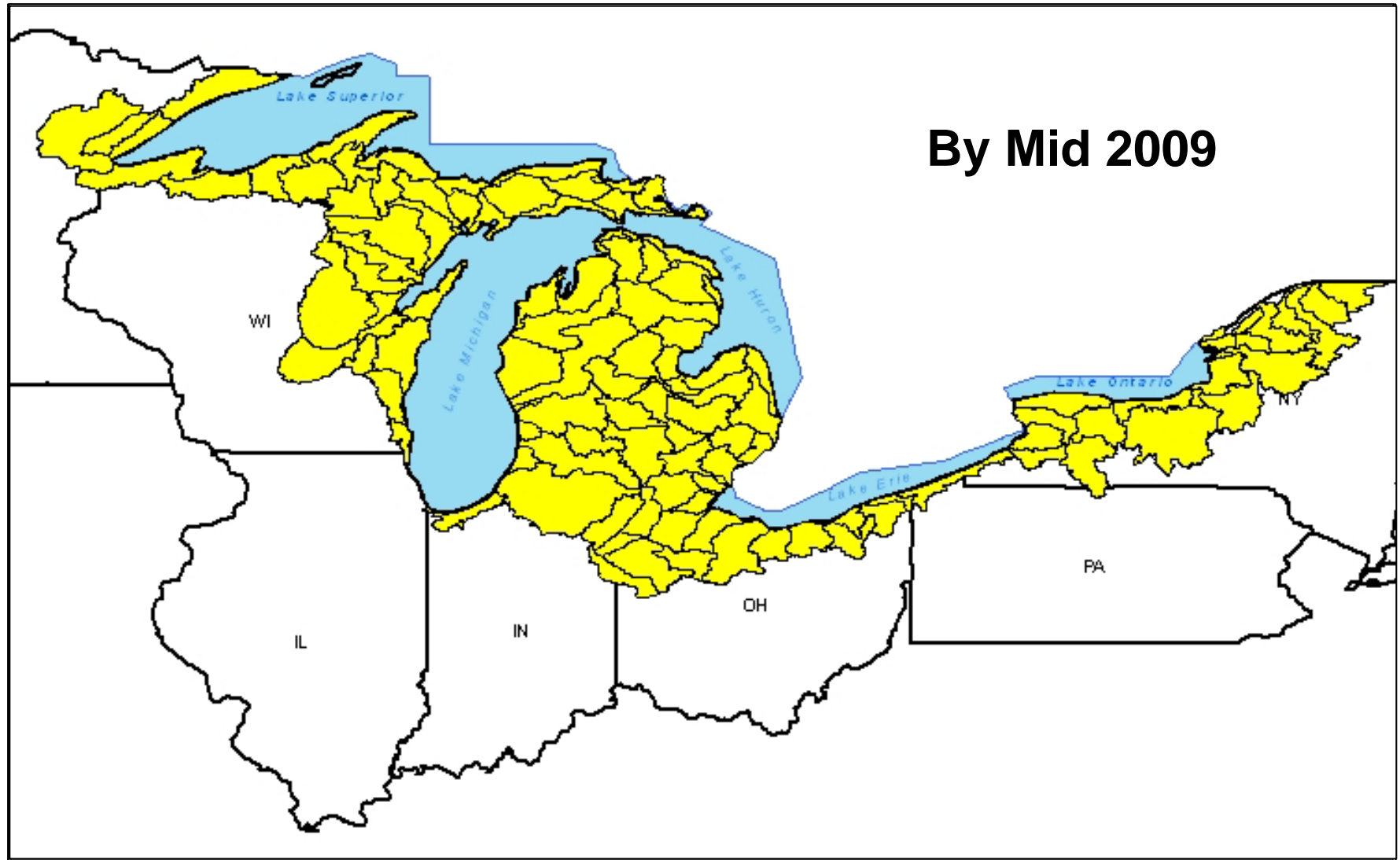


# HIT Coverage



# Making the Data Web-Accessible:

In order to realize the benefits of the HIT modeling process, the data needs to be readily available to decision makers.

The screenshot shows the H.I.T. (High Impact Targeting) web application interface. At the top, there is a blue header with the H.I.T. logo and the text "High Impact Targeting for Managing Sediment Loading". To the right of the header are logos for "NRCS Natural Resources Conservation Service" and "Department of Agriculture".

The main content area features a text box stating: "H.I.T. allows users to select a particular watershed, and view sediment data in spatial, tabular, or graph formats." Below this is a link: "Learn more about H.I.T. and the methodology behind it." Further down, it says: "To begin, select an 8 Digit Watershed where H.I.T. has been implemented." Below this text is a dropdown menu labeled "Watershed:" with the selected value "Maple (MI - 04050005)" and a "Submit" button.

To the right of the form is a map of the Great Lakes region showing 8-digit watersheds. A yellow arrow points to a specific watershed on the map.

Below the map, the text reads: "8 digit Watersheds in the Great Lakes Region."

At the bottom of the page, there are logos for "US Army Corps of Engineers", a logo for the Institute of Water Research, and "MICHIGAN STATE UNIVERSITY". A footer at the very bottom states: "Institute of Water Research, All rights reserved 2006".

*HIT front page.*

# Making the Data Web-Accessible:

Users can choose from multiple scales and formats to view data.

**H.I.T.**  
High Impact Targeting  
for Managing Sediment Loading

**NRCS** Natural Resources  
Conservation Service

Department of  
**Agriculture**

Specify the scale at which to view sediment data:

- the entire Maple
- 10-digit sub-watersheds of the Maple
- 12-digit sub-watersheds of the Maple

To view sediment data for one of the Maple's 12-digit sub-watersheds start by selecting one below. You can select one, you can use 'Shift' or 'Ctrl' to select multiple sub-watersheds, or you can click on sub-watersheds on the map to the right .

Watershed:

- Collier Creek-Maple River (040500050208)
- Coon Creek-Bear Creek (040500050102)
- County Ditch No 131 (040500050303)
- Doty Brook-Hayworth Creek (040500050502)
- Ferdon Creek-Maple River (040500050204)
- Hayworth Creek (040500050503)
- Holden Drain-Stony Creek (040500050403)

Clear Selection

View sediment data for the selected watersheds:

In tabular format:

In graph format:

Spatially:

The Collier Creek-Maple River , Doty Brook-Hayworth Creek , Ferdon Creek-Maple River , Hayworth Creek , Reynolds and Sessions Drain-Maple River , South Fork Hayworth Creek , and Stevens Drain-Maple River 12-digit sub-watersheds of the Maple (04050005) 8-digit watershed.

# Making the Data Web-Accessible: Table Results

Basic watershed info.

Estimated sediment loading  
Click on a column title to sort ascending.

BMP impact and cost/benefit

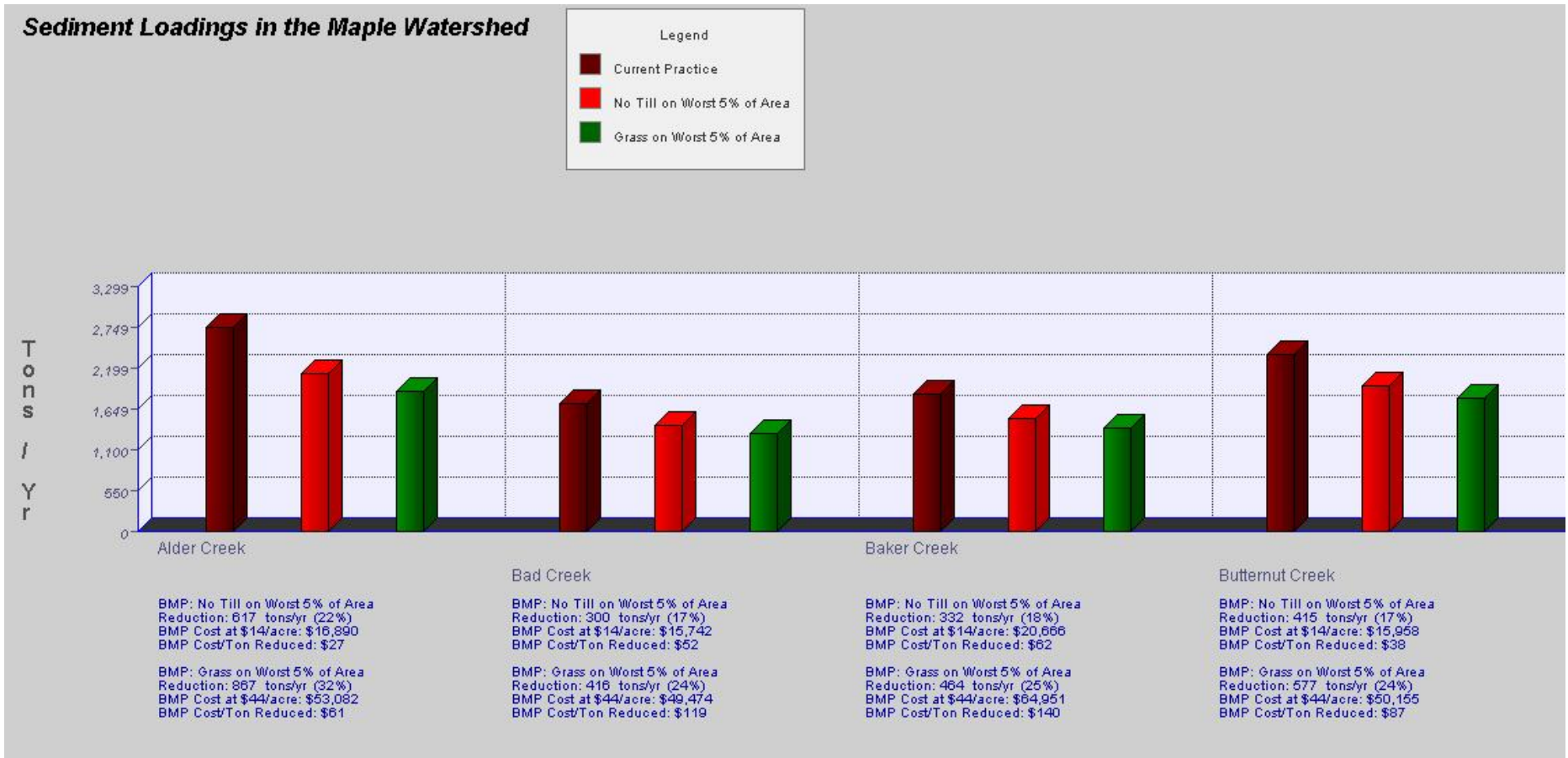
Sediment

Name	HUC	Acres	Total(tons/yr)	BMP: No Till on Worst 5% of Area				BMP: Grass on Worst 5% of Area			
				Total Reduction (tons/yr)	Reduction %	BMP Cost at \$14 per acre	BMP Cost Benefit (\$/ton reduced)	Total Reduction (tons/yr)	Reduction %	BMP Cost at \$44 per acre	BMP Cost Benefit (\$/ton reduced)
Collier Creek-Maple River	040500050208	24,128	2,749	617	22%	\$16,890	\$27	867	32%	\$53,082	\$61
Reynolds and Sessions Drain-Maple River	040500050504	18,734	1,619	372	23%	\$13,114	\$35	517	32%	\$41,215	\$80
Hayworth Creek	040500050503	22,798	2,377	415	17%	\$15,958	\$38	577	24%	\$50,155	\$87
Nile Drain-Bear Creek	040500050203	30,808	2,468	511	21%	\$21,566	\$42	720	29%	\$67,777	\$94
South Fork Hayworth Creek	040500050501	14,597	1,546	208	13%	\$10,218	\$49	289	19%	\$32,113	\$111
Doty Brook-Hayworth Creek	040500050502	22,488	1,730	300	17%	\$15,742	\$53	416	24%	\$49,474	\$119
Stevens Drain-Maple River	040500050202	22,482	1,460	266	18%	\$15,737	\$59	369	25%	\$49,459	\$134
Ferdon Creek-Maple River	040500050204	29,523	1,859	333	18%	\$20,666	\$62	464	25%	\$64,951	\$140
<b>TABLE TOTALS</b>		<b>185,558</b>	<b>15,807</b>	<b>3,021</b>	<b>19</b>	<b>\$129,890</b>	<b>\$43</b>	<b>4,217</b>	<b>27</b>	<b>\$408,227</b>	<b>\$97</b>
Specify new values to recalculate BMP cost:										\$ 14	\$ 44
<input type="button" value="Recalculate BMP Cost"/>											



# Making the Data Web-Accessible: Graph Results

*Same data available in tabular format are also available in graph format.*



# Making the Data Web-Accessible: Viewing the data spatially

*Once a sub-watershed has been identified, users can start to explore where within that sub-watershed sediment loading is taking place.*

