

Morse Reservoir Nutrient and Sediment Load Reductions

Accomplished By Private Landowners and the Indiana Conservation Partnership

Morse Reservoir HUCs:
 051202010607
 051202010603
 051202010602
 051202010606
 051202010601
 051202010605
 051202010609
 05120201080110

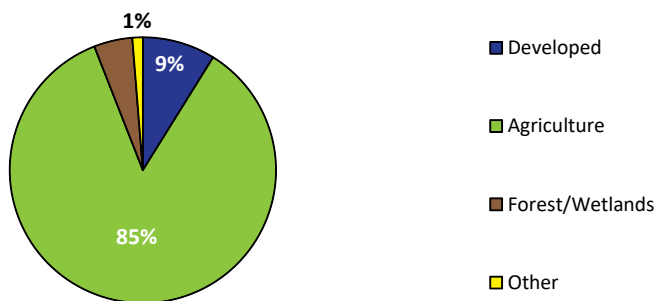


Legend

- Cities
- Streams
- Highways
- County
- ▨ Morse Reservoir
- ▨ HUC 14 Watershed
- ▨ Morse Reservoir Watershed



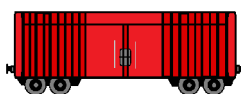
Major Land Use in the Morse Reservoir Watershed



*Land use calculated using 2017 NASS Cropland Data Layer

Top practices include use of cover crops, critical area plantings, and no till. In the year 2017, conservation practices in this watershed reduced the volumes below from entering Morse Reservoir.

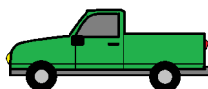
Sediment Reduced: 3,745,115 lbs.
 Which is enough to fill over 18 standard freight cars!



X 18.75

Phosphorus Reduced: 2,736 lbs.

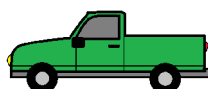
Which is roughly enough to fill more than two 8' pickup truck beds!



X 2.75

Nitrogen Reduced: 5,236 lbs.

Which is roughly enough to fill over five 8' pickup truck beds!



X 5.25

**Practices do not include the many unassisted practices designed and installed by private landowners without ICP assistance.

*Nutrient estimates only consider sediment bound N and P, not dissolved.

*Load reductions are based off the EPA's Region 5 Load Reduction Model

Calendar Year	Practices Installed	Active Practices	Sediment Reduction (lbs)	Phosphorus Reduction (lbs)	Nitrogen Reduction (lbs)
2013	25	25	2,809,249	1,870	3,727
2014	35	38	2,889,854	1,922	3,836
2015	17	25	2,501,232	1,882	3,529
2016	25	40	3,365,528	2,463	4,692
2017	21	39	3,745,115	2,736	5,236
13-17	123		15,310,978	10,873	21,019

*The "practices installed" column indicates the number of newly installed practices within a given calendar year, while the "active practices" column indicates the number of practices that are actively reducing sediment, nitrogen, and phosphorus loading regardless of the year of installation.

For more information visit: <http://www.in.gov/isda/2991.htm> or contact ISDANutrientReduction@isda.in.gov

Last Updated: 3/1/2018

Data provided by: Indiana State Department of Agriculture, Indiana Department of Environmental Management, Indiana Department of Natural Resources, Indiana Soil and Water Conservation Districts, and the USDA Natural Resources Conservation Service.