This document is meant to be viewed on your computer, not printed on paper.

Please spare your ink supply by not printing this document.

Understanding Watersheds

Watersheds describe areas where water is draining to… they are also known as drainage divides. While an area may have a specific name such as region or basin, they can all be referred to generically as: Watershed.

Since there are multiple levels of watersheds, watersheds are classified by the USGS with a HUC or Hydrolic Unit Code.

As the area being described gets smaller, the HUC gets larger.

For example:

All of the water running into the White River throughout Indiana is in a watershed known as Patoka, White River Basin – this area is described as a 6-digit watershed.

All of the water running into the Prairie Creek Reservoir is in a watershed known as a Subwatershed – this area is described as a 12-digit watershed.

This slide show will take you through the various levels of Indiana's watersheds to ultimately illustrate the subwatersheds of Delaware County.

Indiana has area in 3 2-digit watersheds known as **Water Resource Regions**


Great Lakes
Region
HUC 04
Upper Mississippi
Region
HUC 07
Delaware
County
Ohio River
Region
HUC 05
Indiana has area in 3
2-digit watersheds
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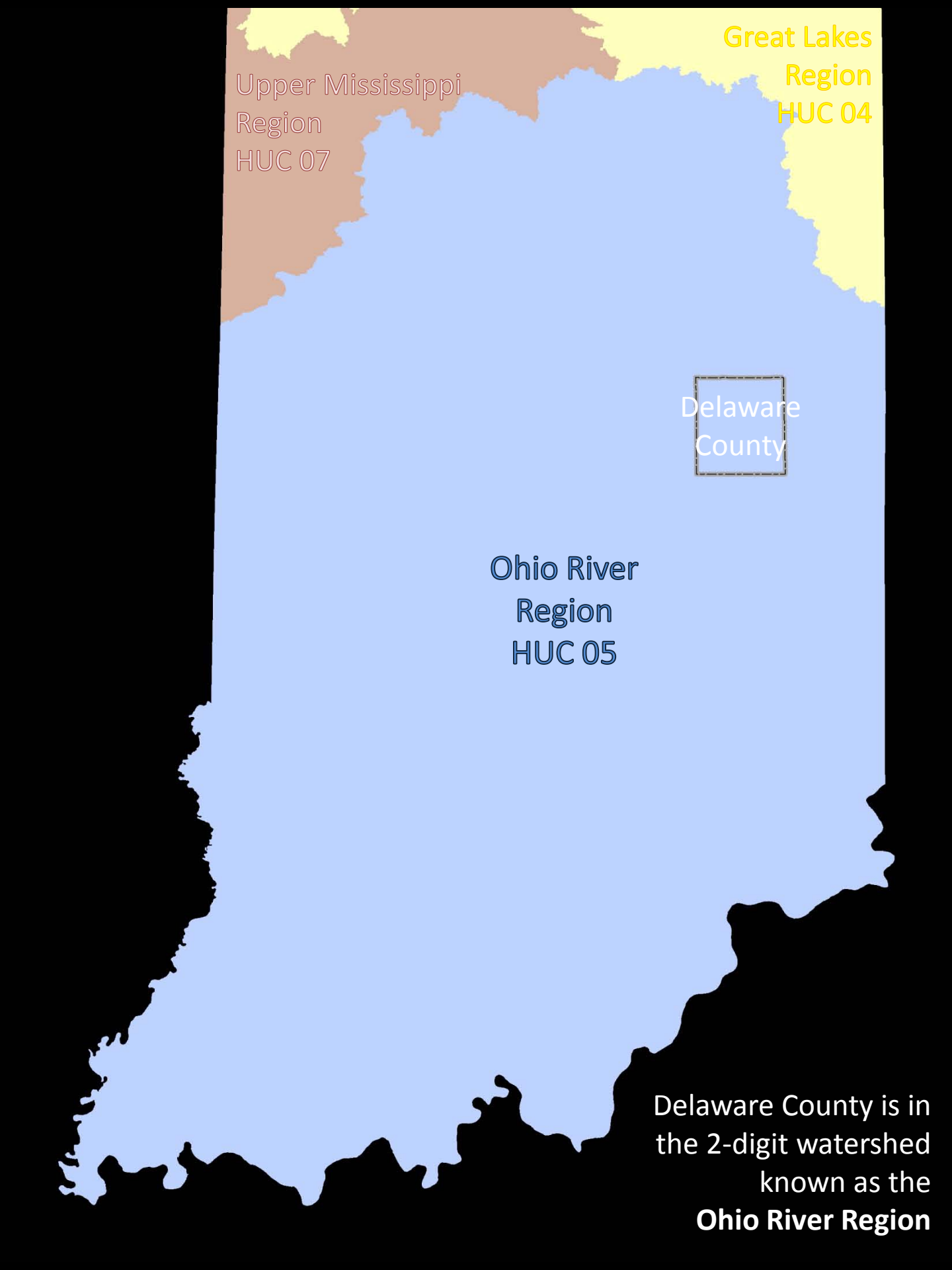
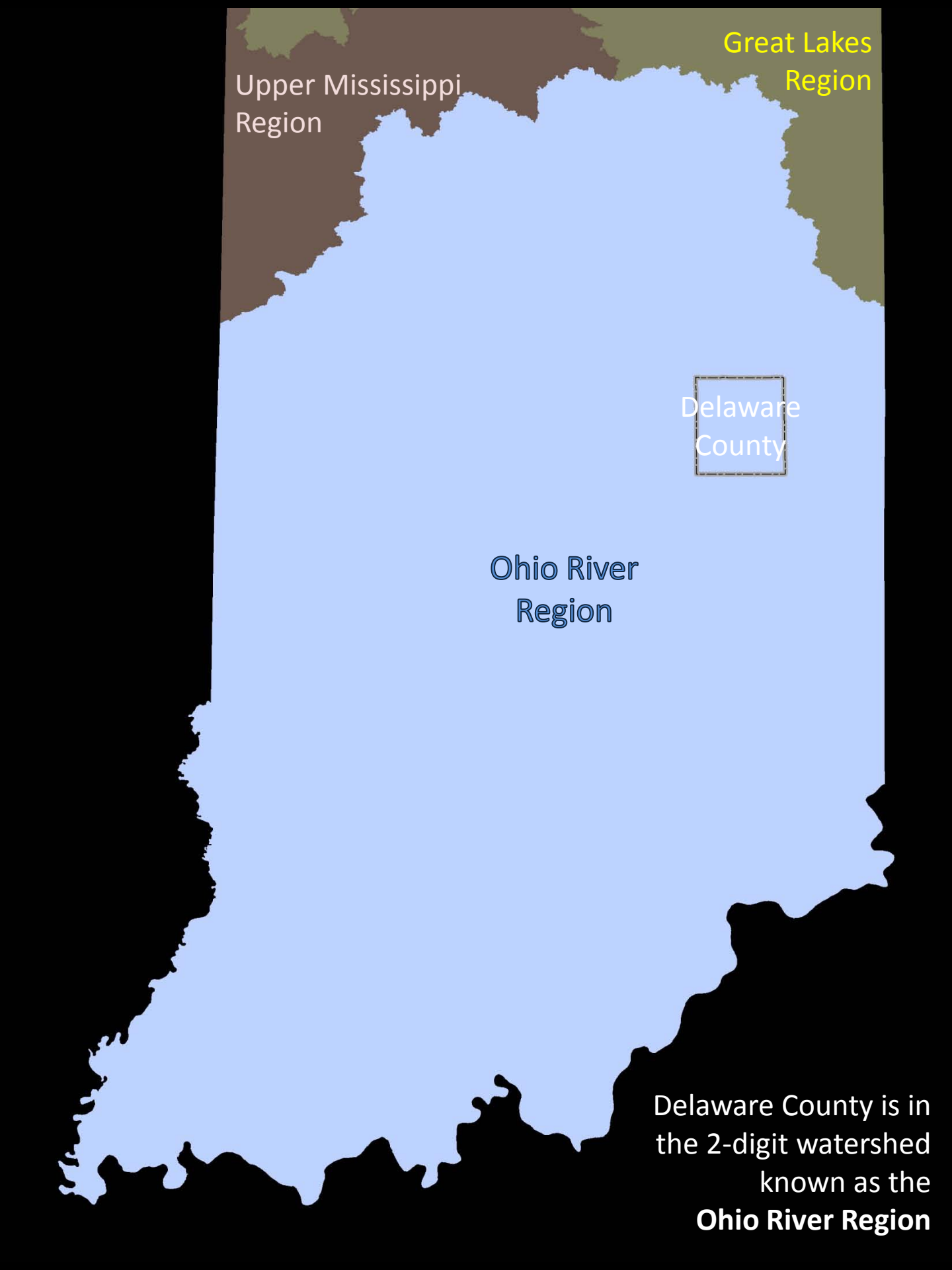
Water Resource Regions



Delaware County is in the 2-digit watershed known as the **Ohio River Region**



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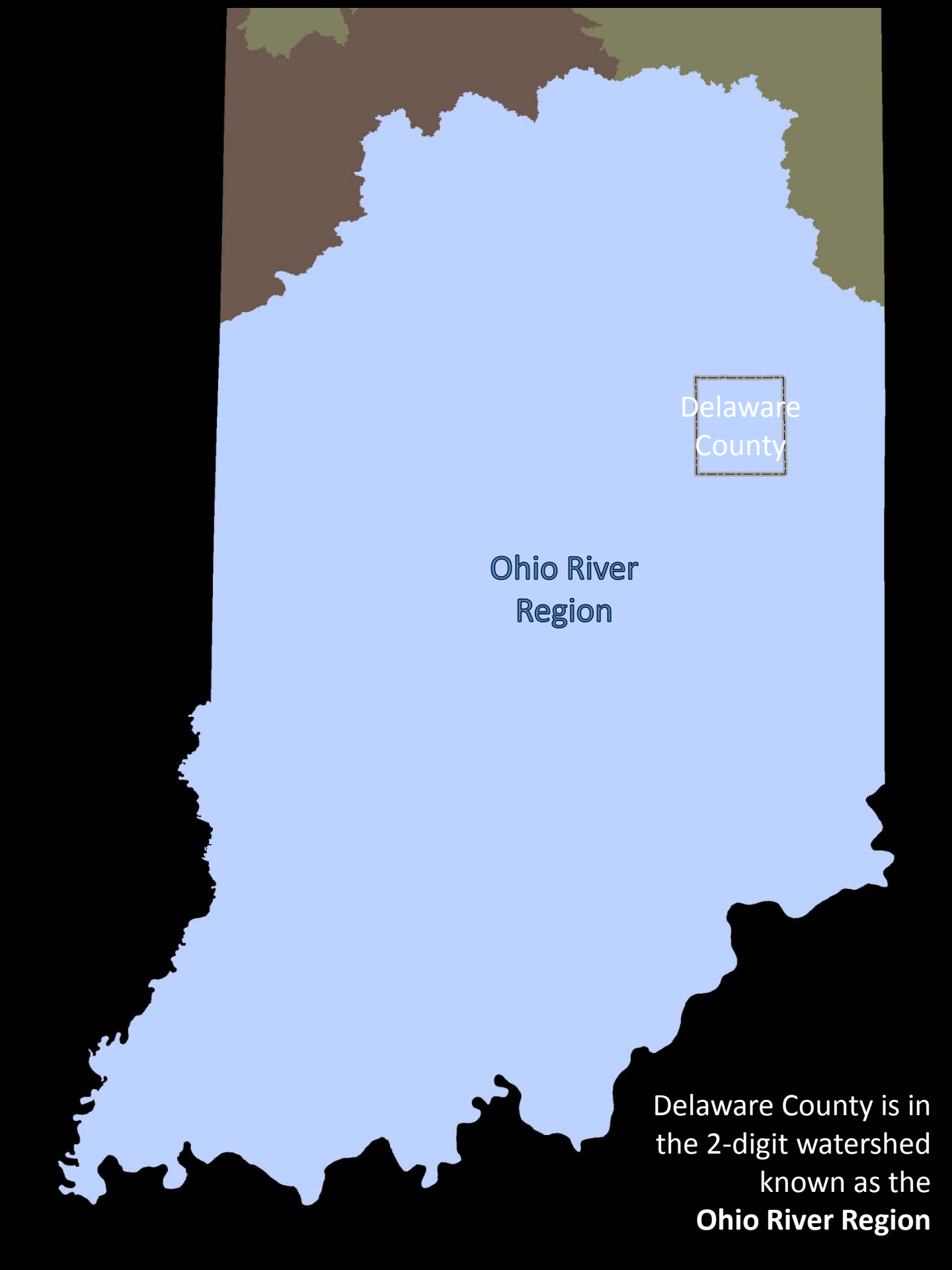

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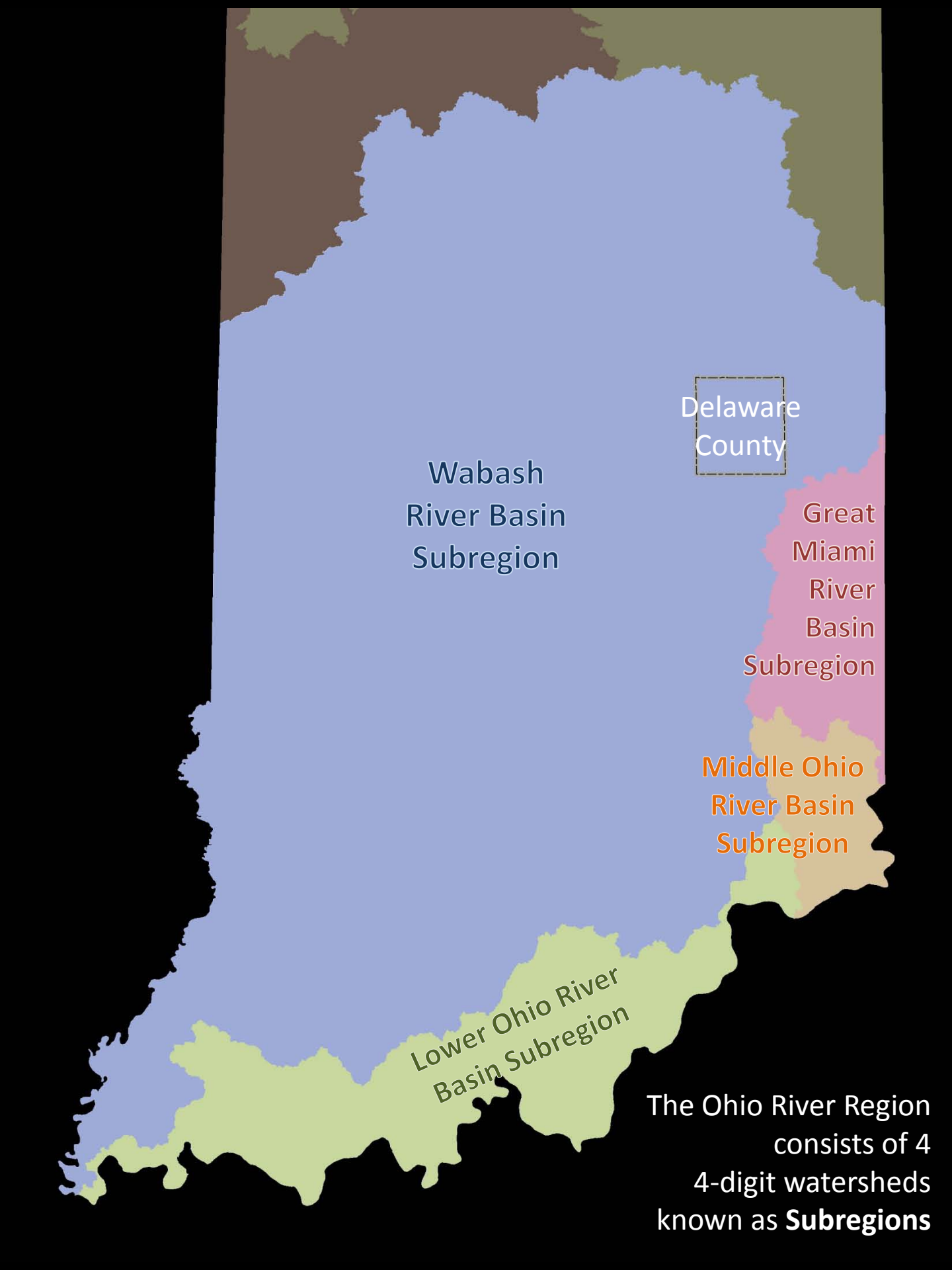
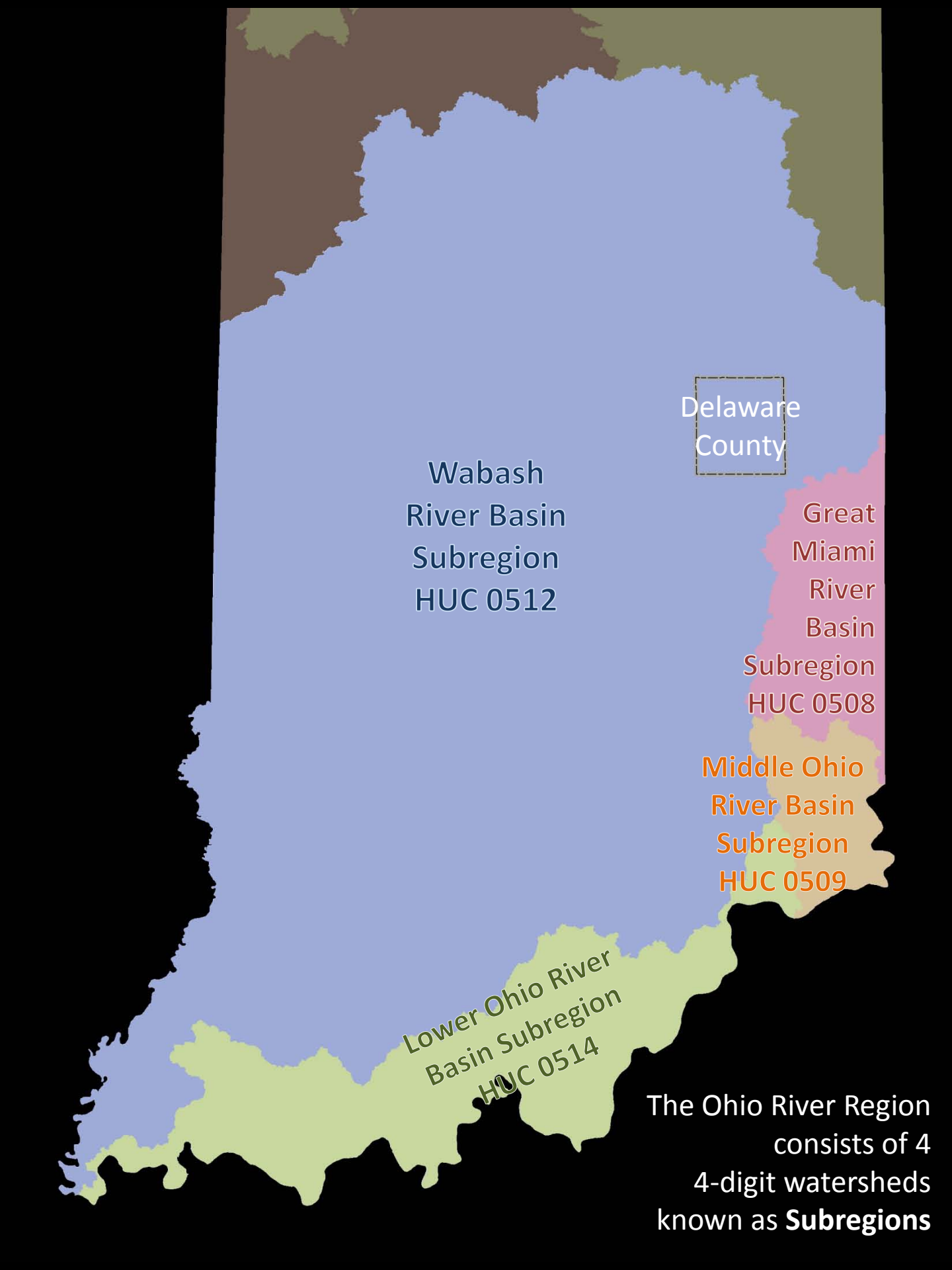


The Ohio River Region consists of 4 4-digit watersheds known as **Subregions**



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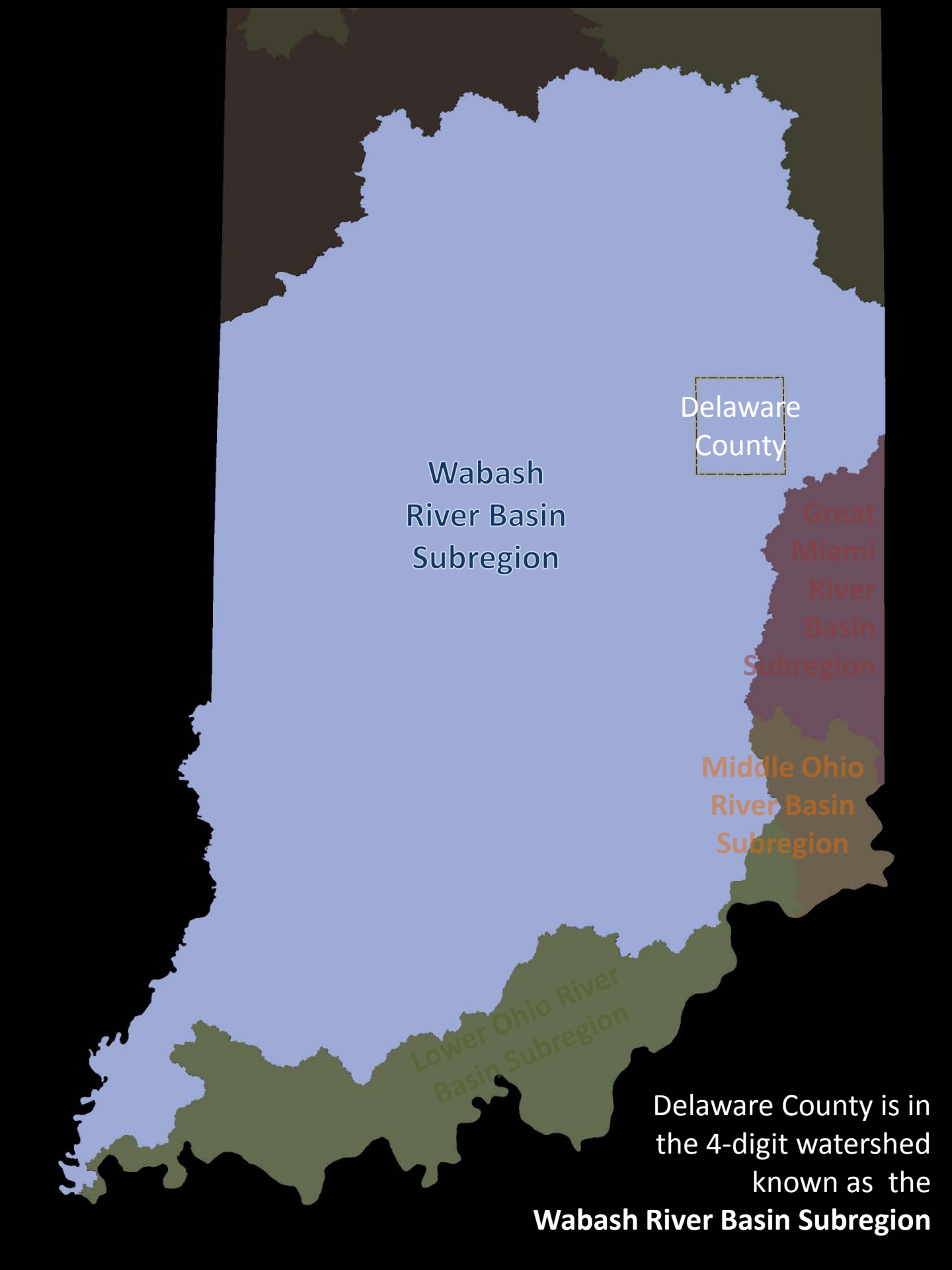
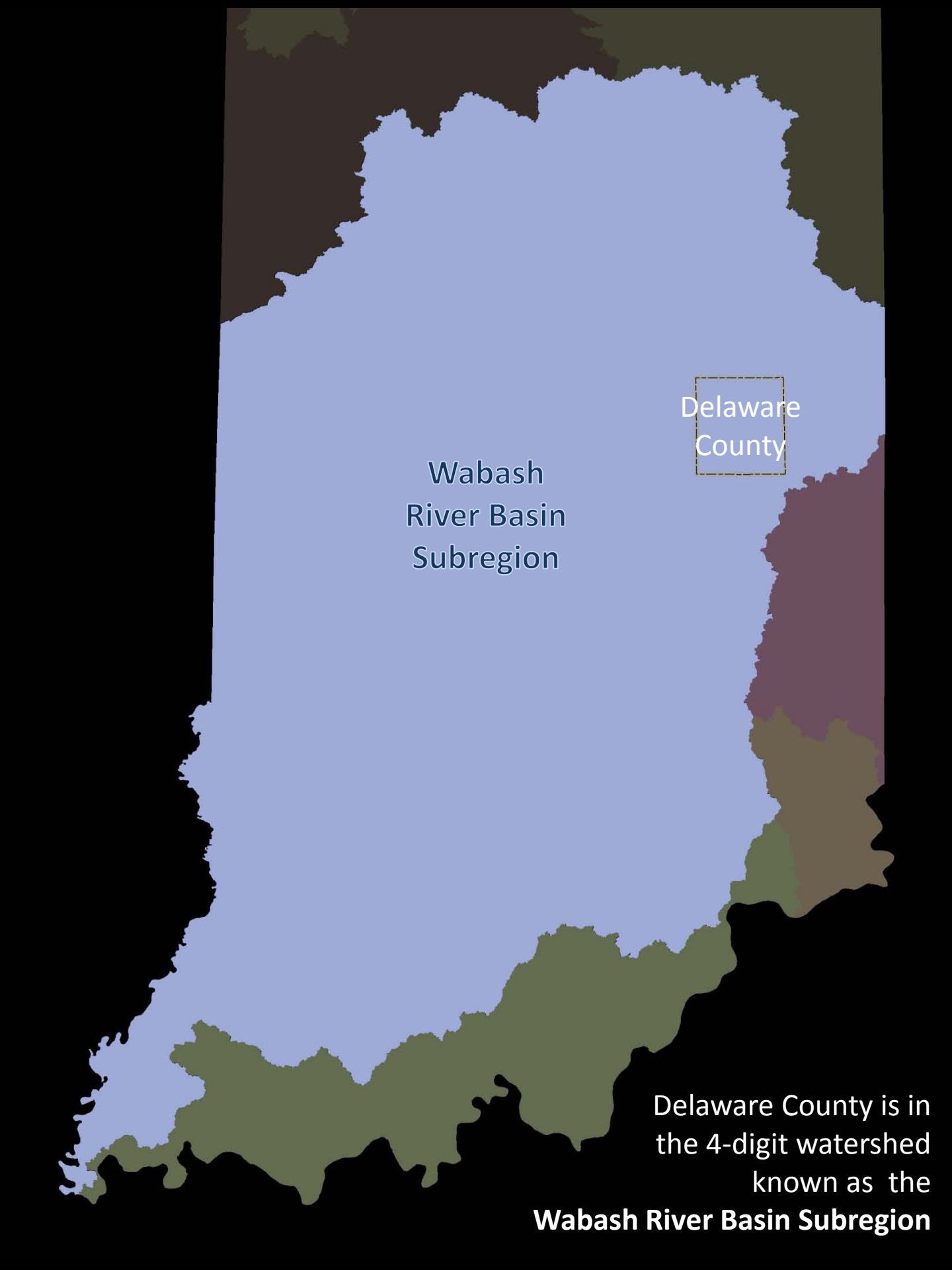
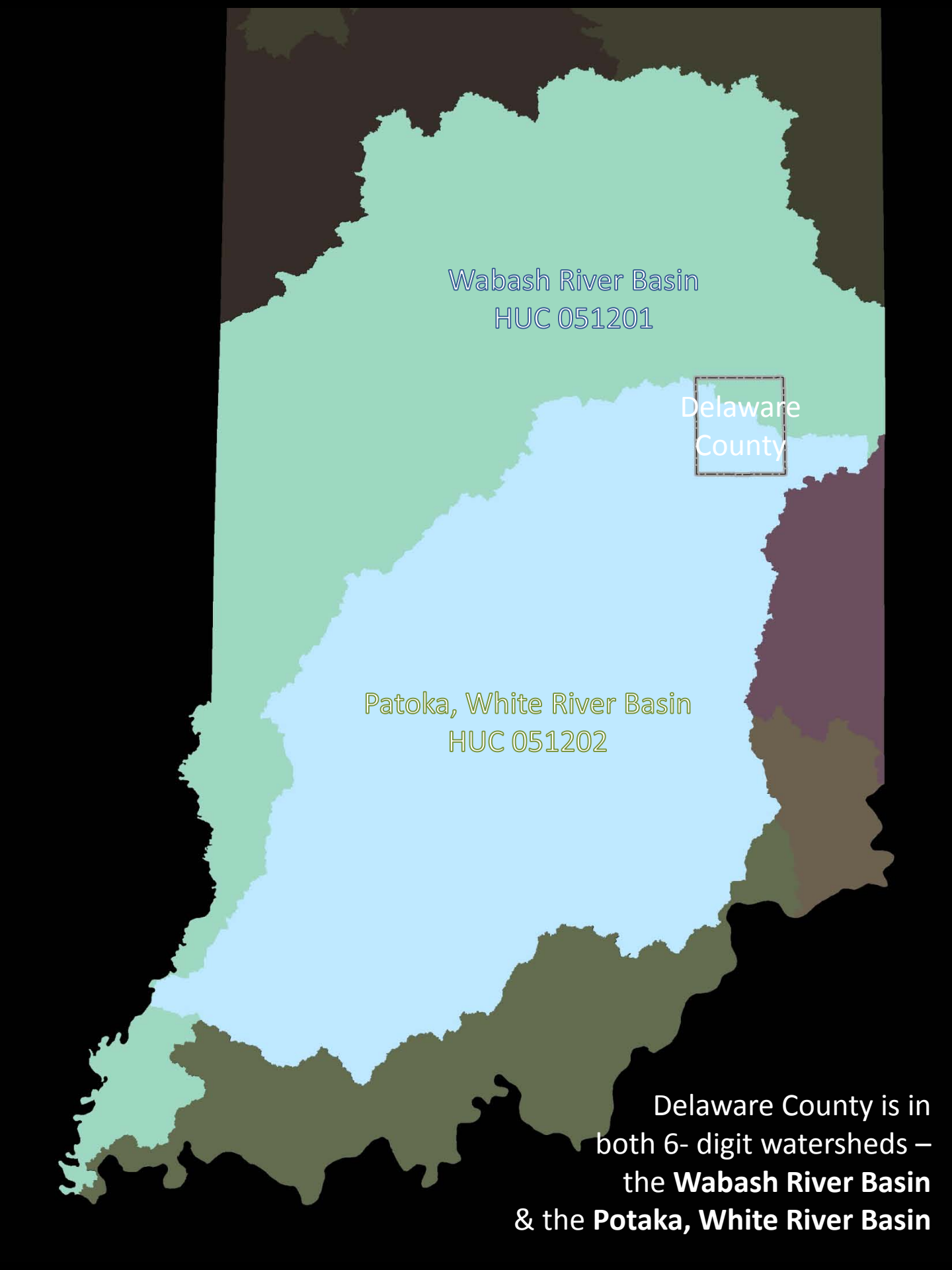


Delaware County is in the 4-digit watershed known as the **Wabash River Basin Subregion**

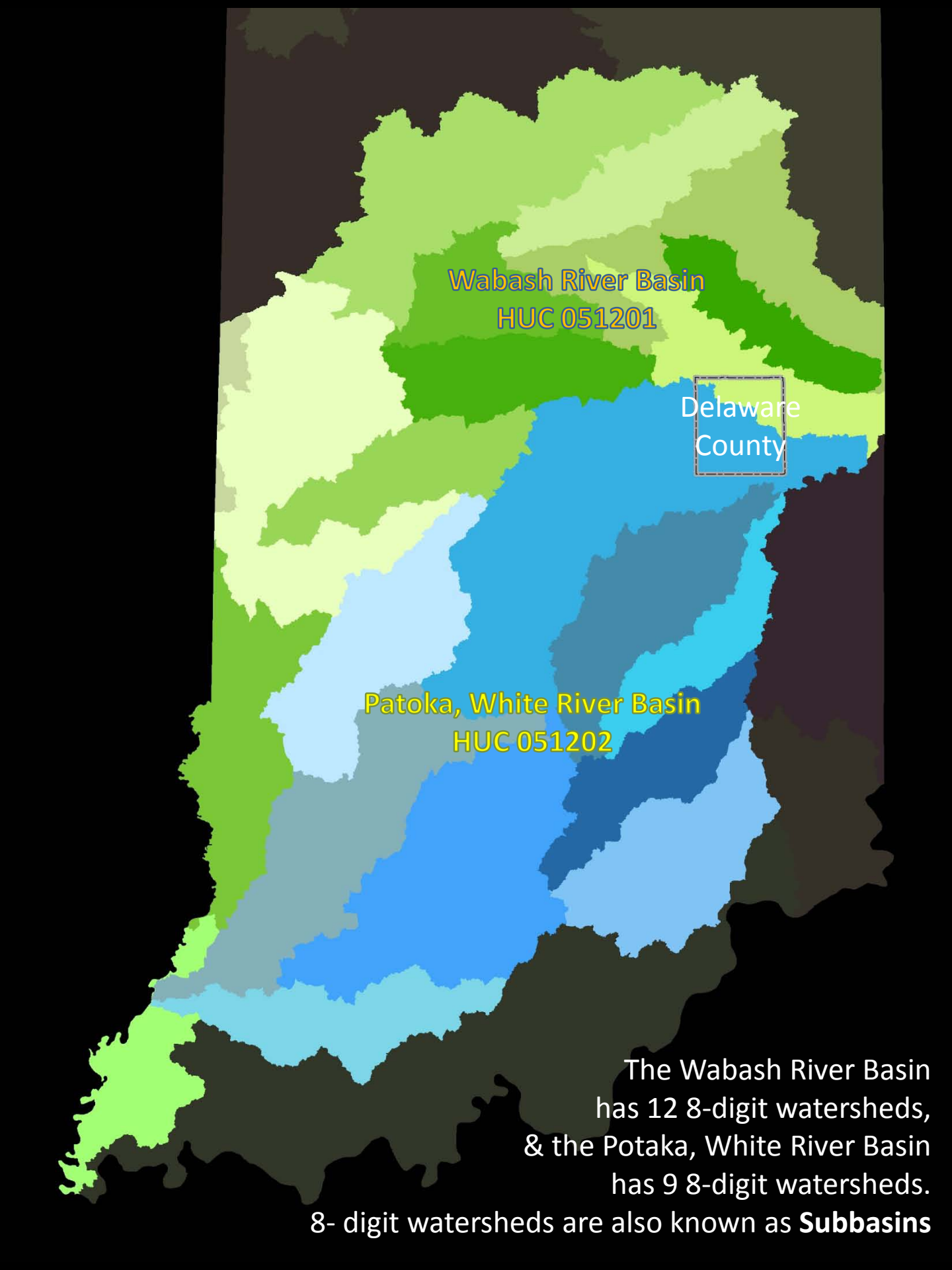


Delaware County is in the 4-digit watershed known as the **Wabash River Basin Subregion**

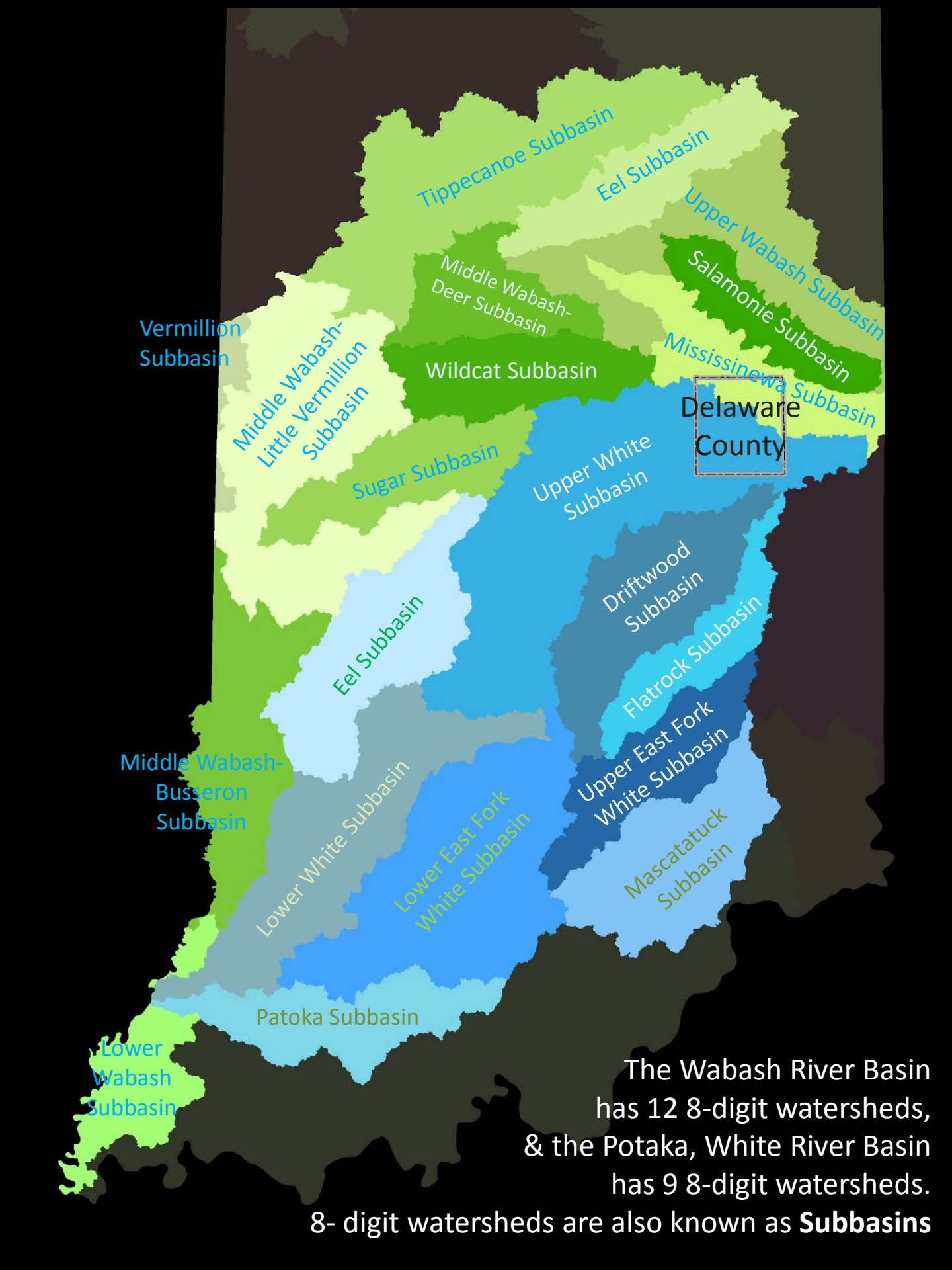
The Wabash River Basin Subregion contains 2 6- digit watersheds known as **Basins**



Delaware County is in both 6- digit watersheds – the **Wabash River Basin** & the **Potaka, White River Basin**



The Wabash River Basin
has 12 8-digit watersheds,
& the Potaka, White River Basin
has 9 8-digit watersheds.
8- digit watersheds are also known as **Subbasins**



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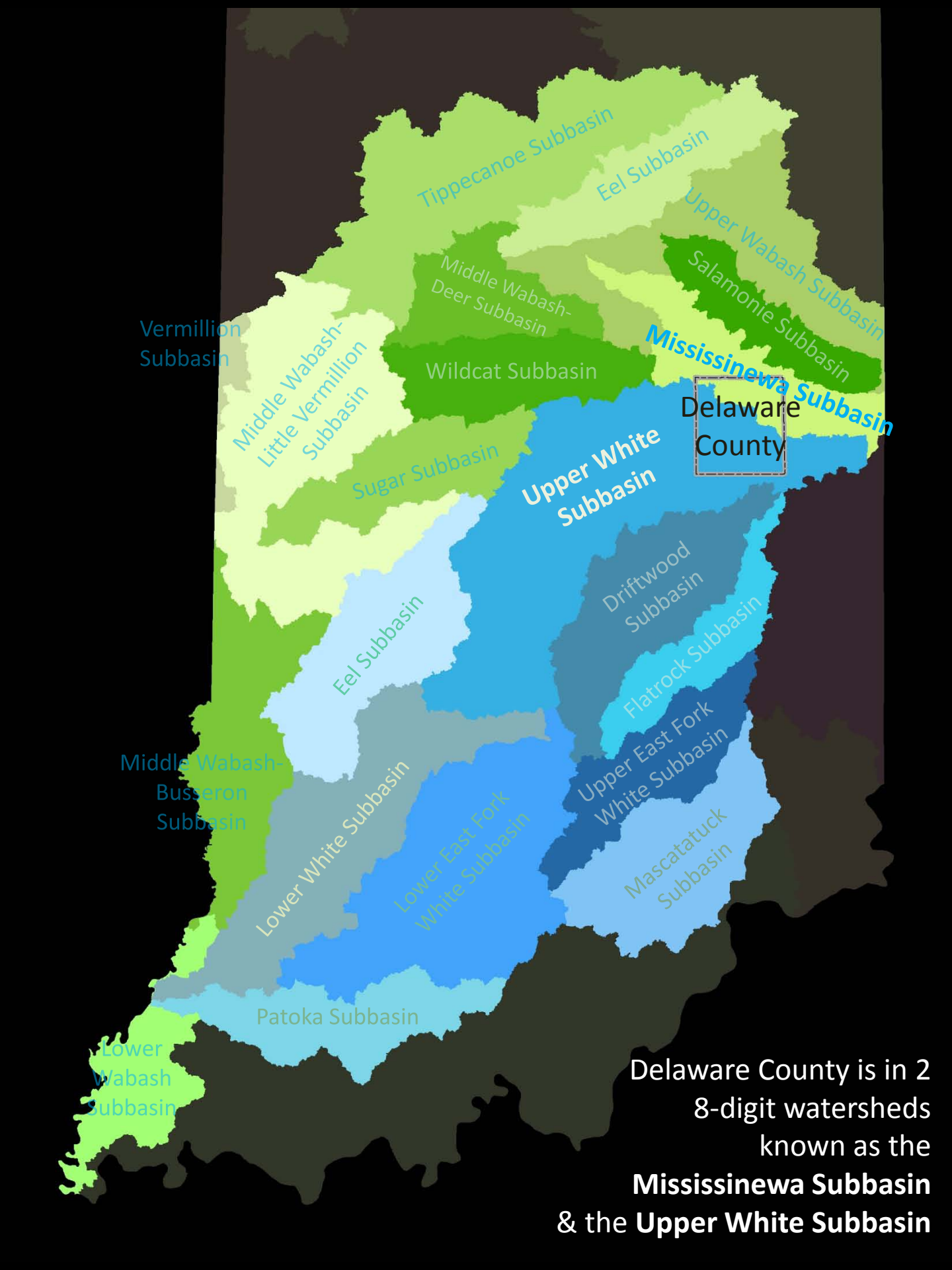
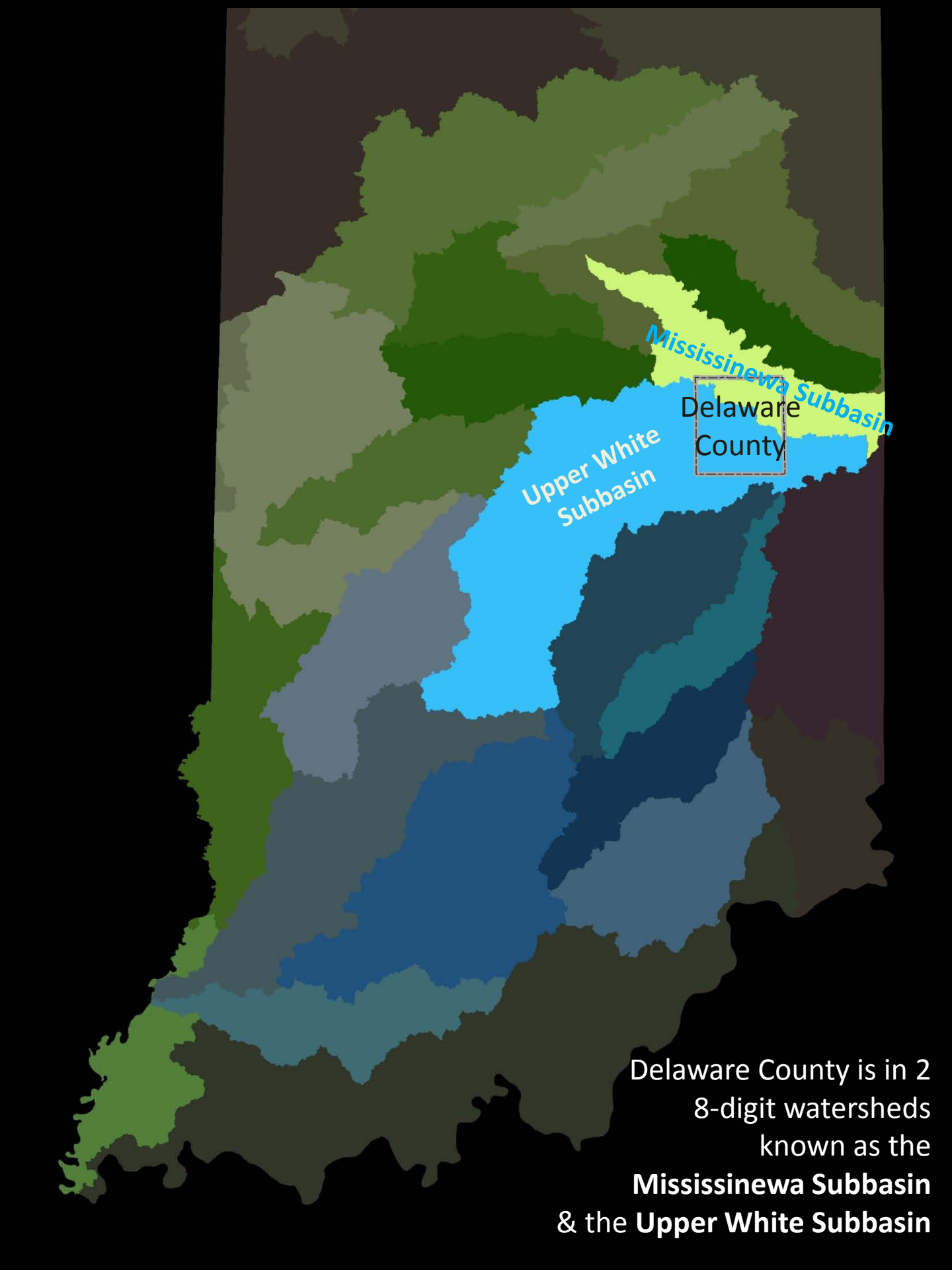


Delaware County is in 2 8-digit watersheds known as the **Mississinewa Subbasin** & the **Upper White Subbasin**



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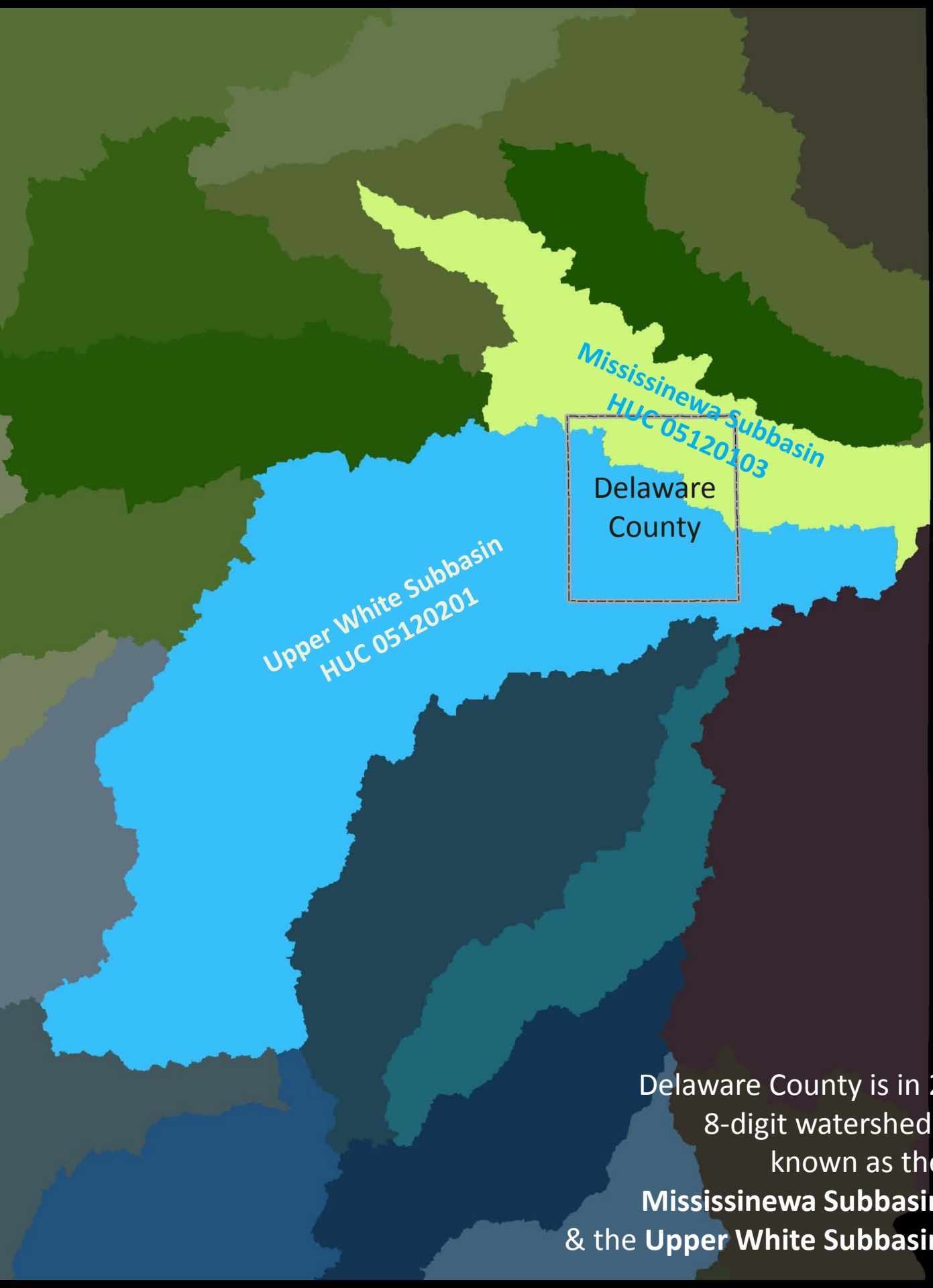

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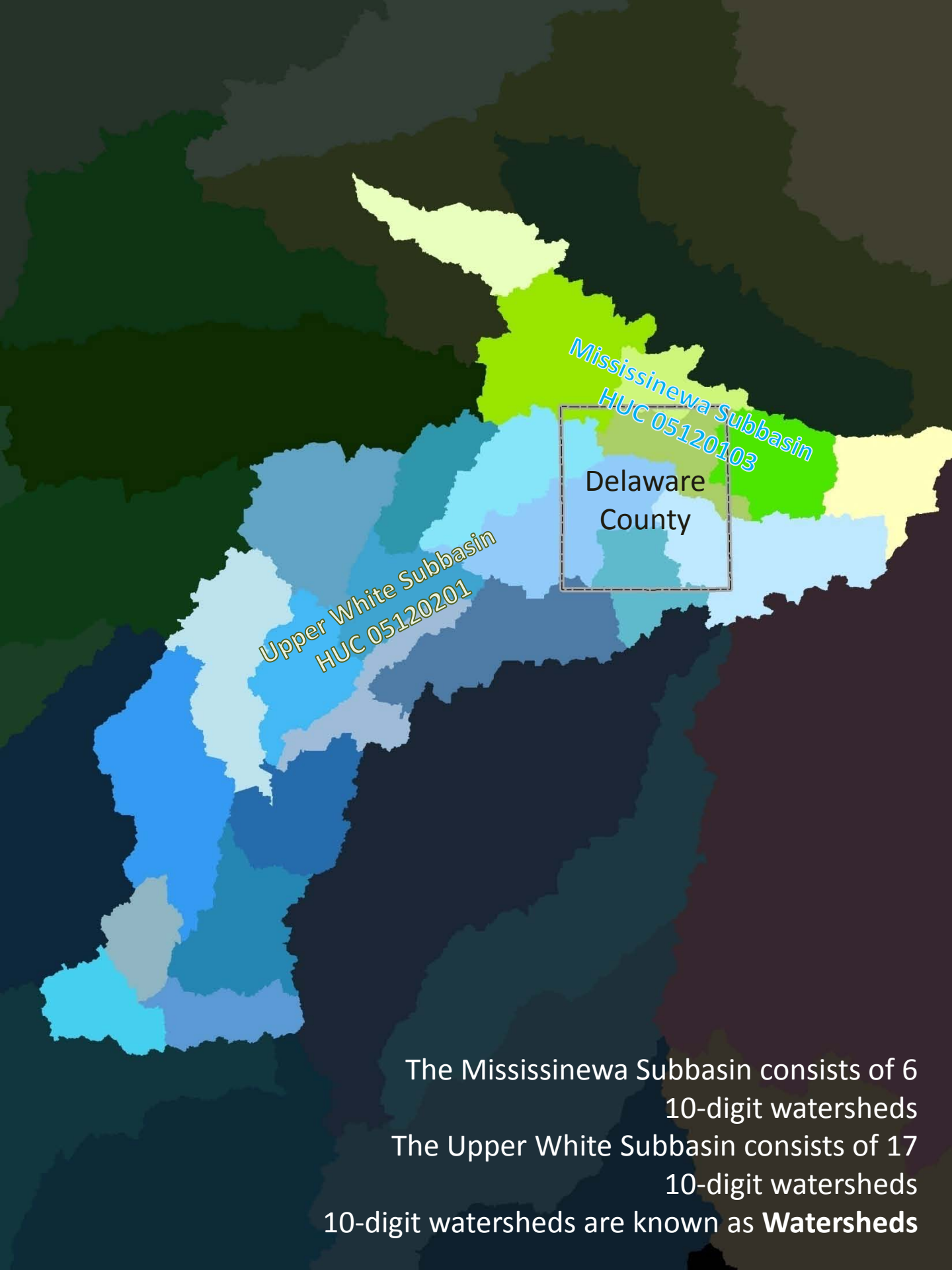
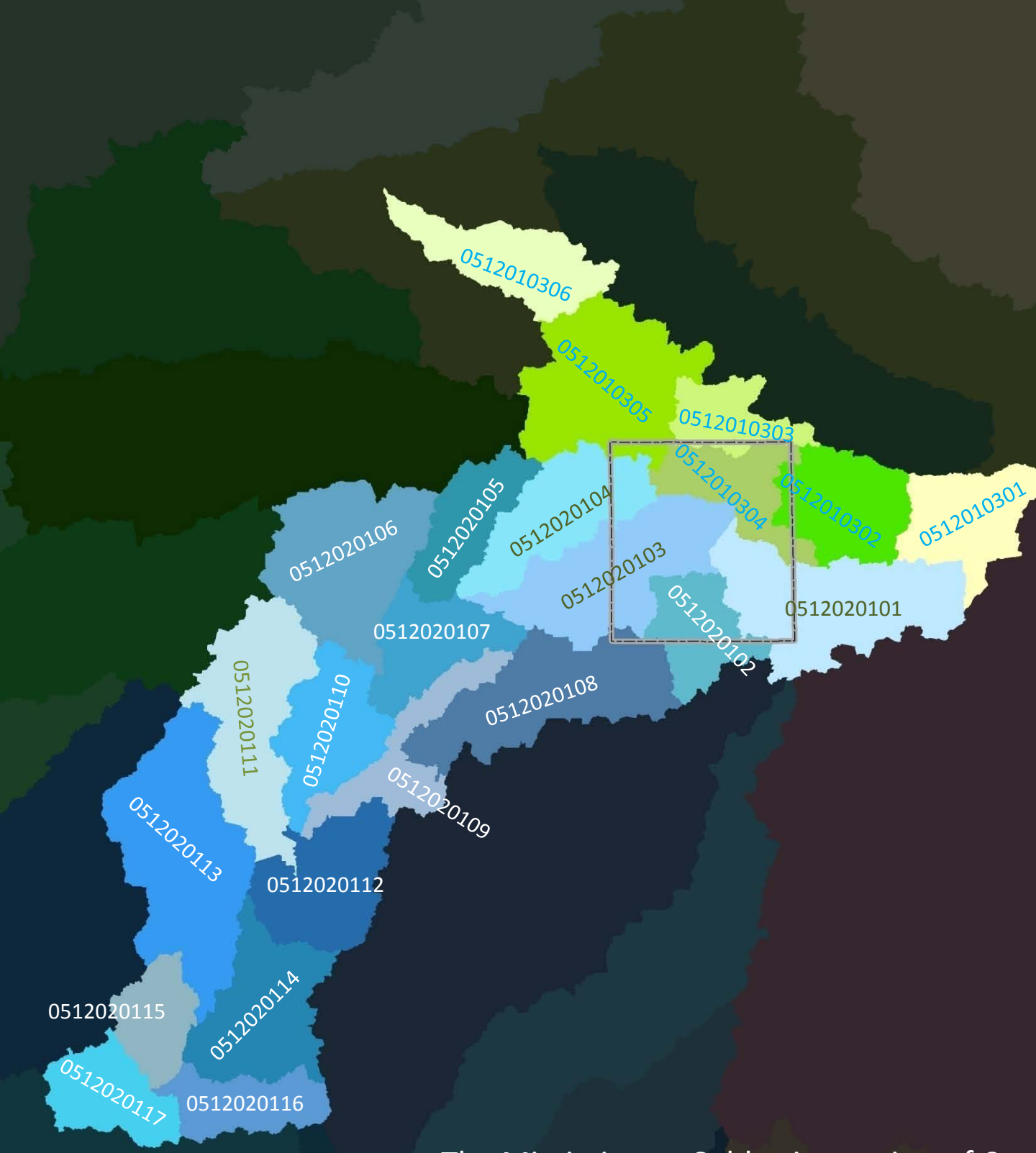


The Mississinewa Subbasin consists of 6
10-digit watersheds
The Upper White Subbasin consists of 17
10-digit watersheds
10-digit watersheds are known as **Watersheds**



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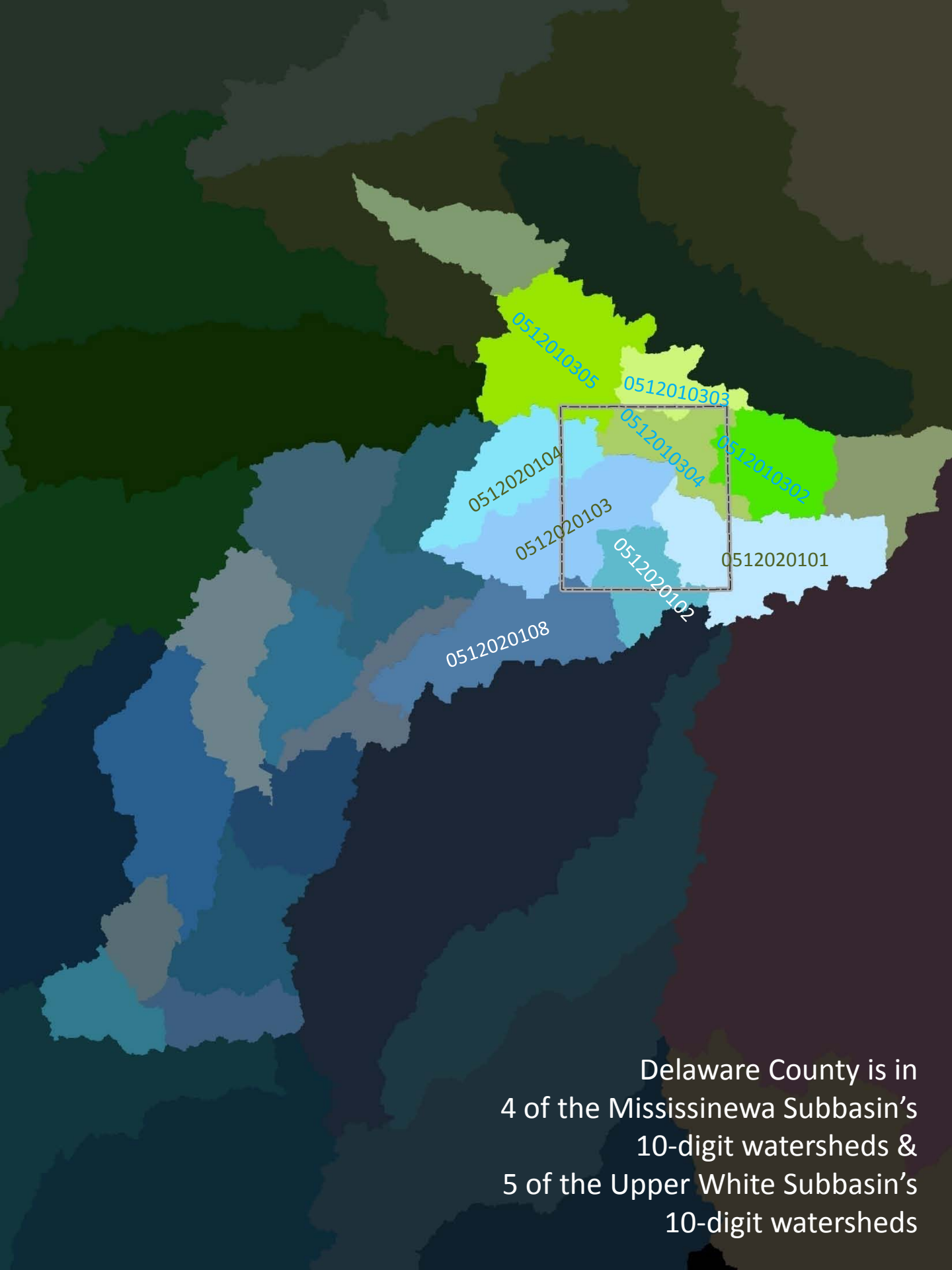
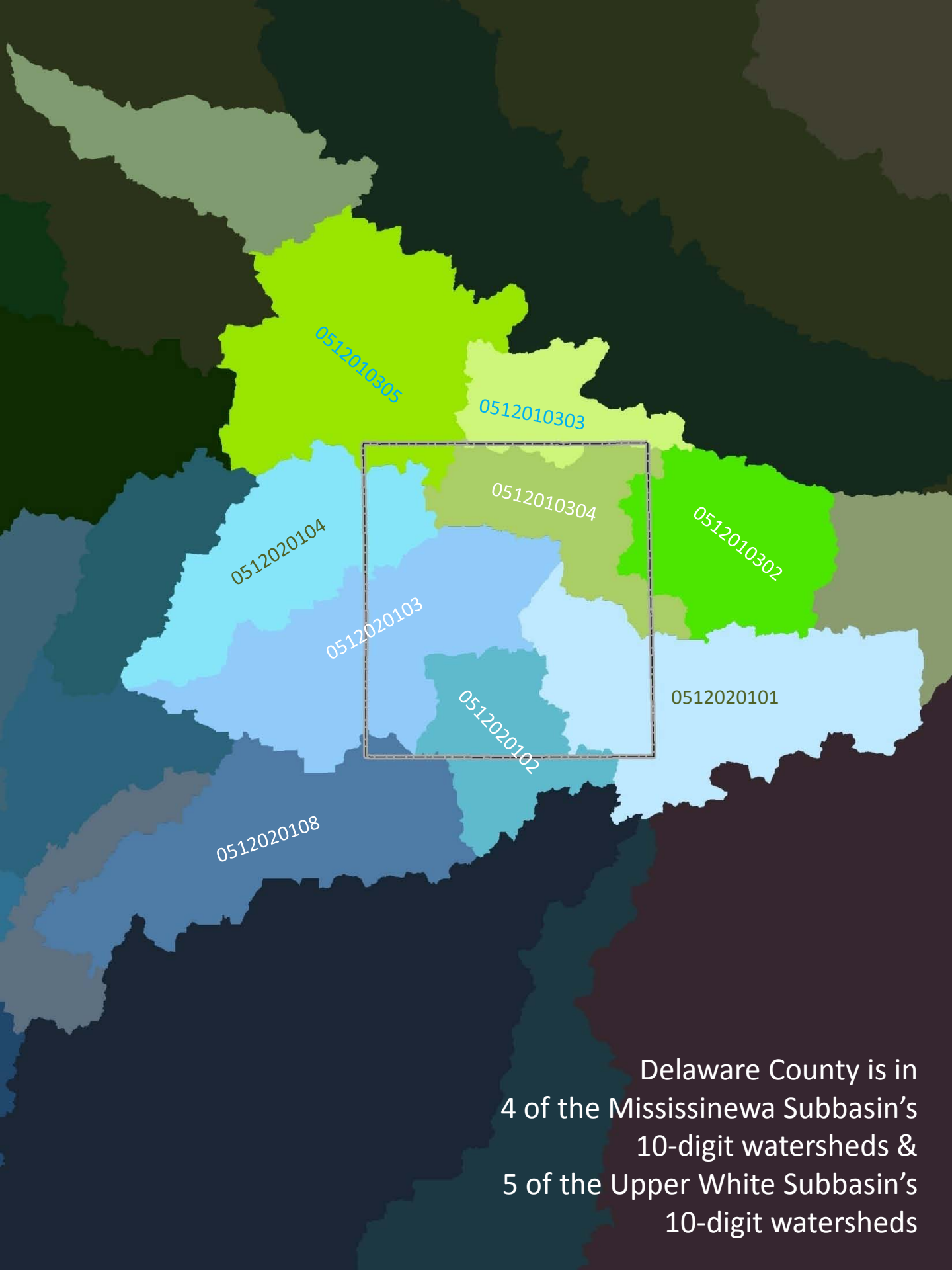


Delaware County is in
4 of the Mississinewa Subbasin's
10-digit watersheds &
5 of the Upper White Subbasin's
10-digit watersheds



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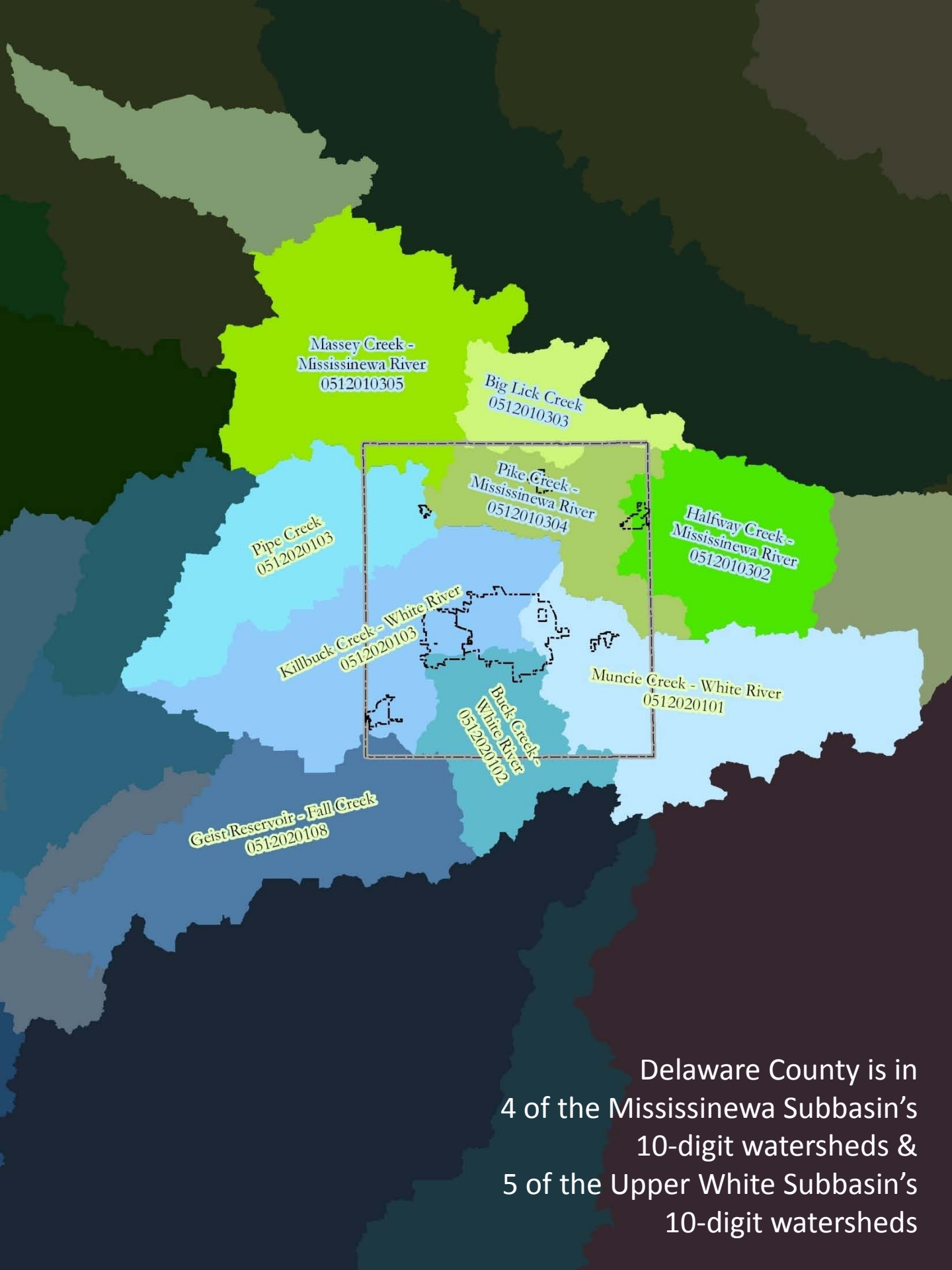

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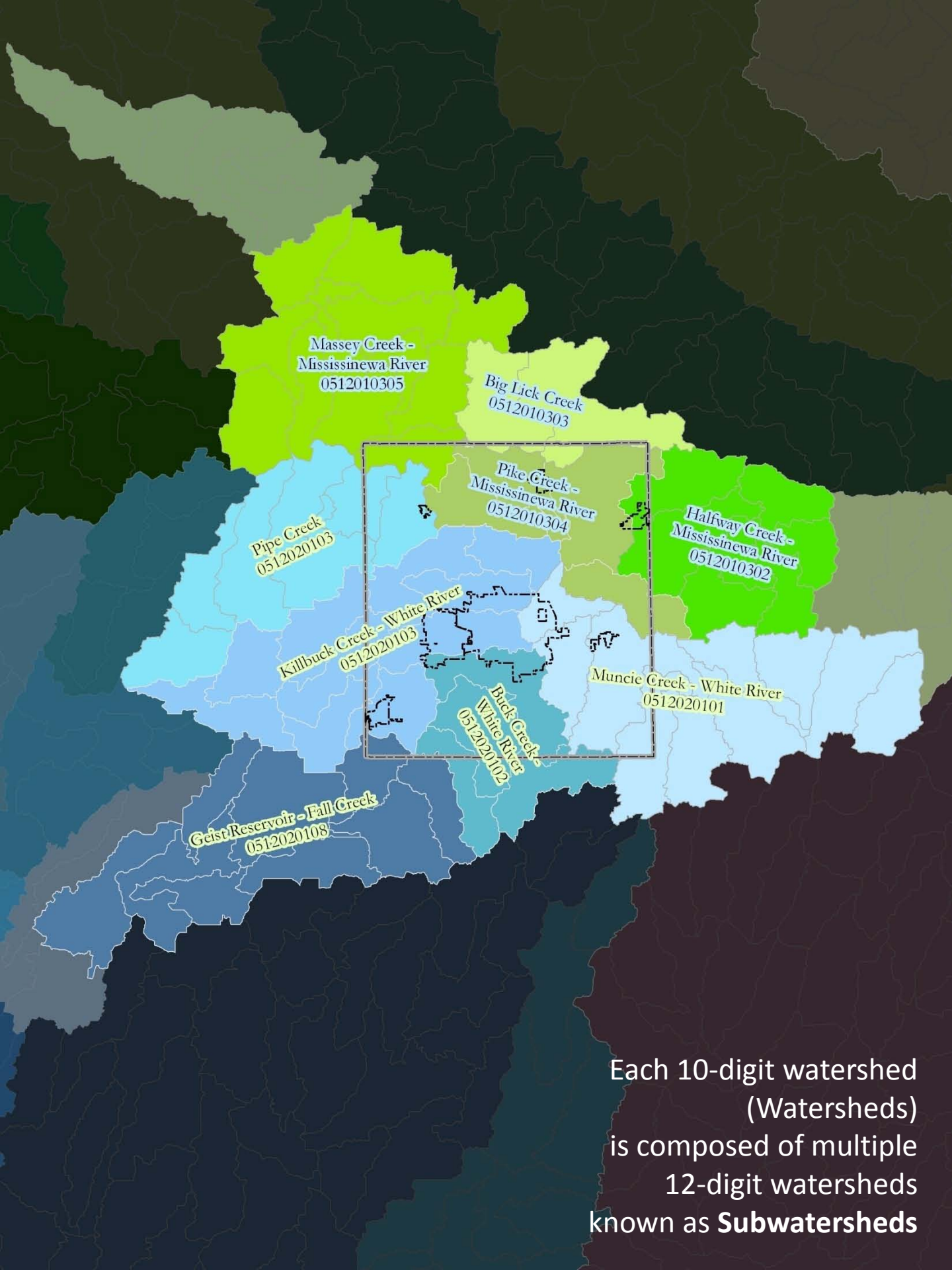
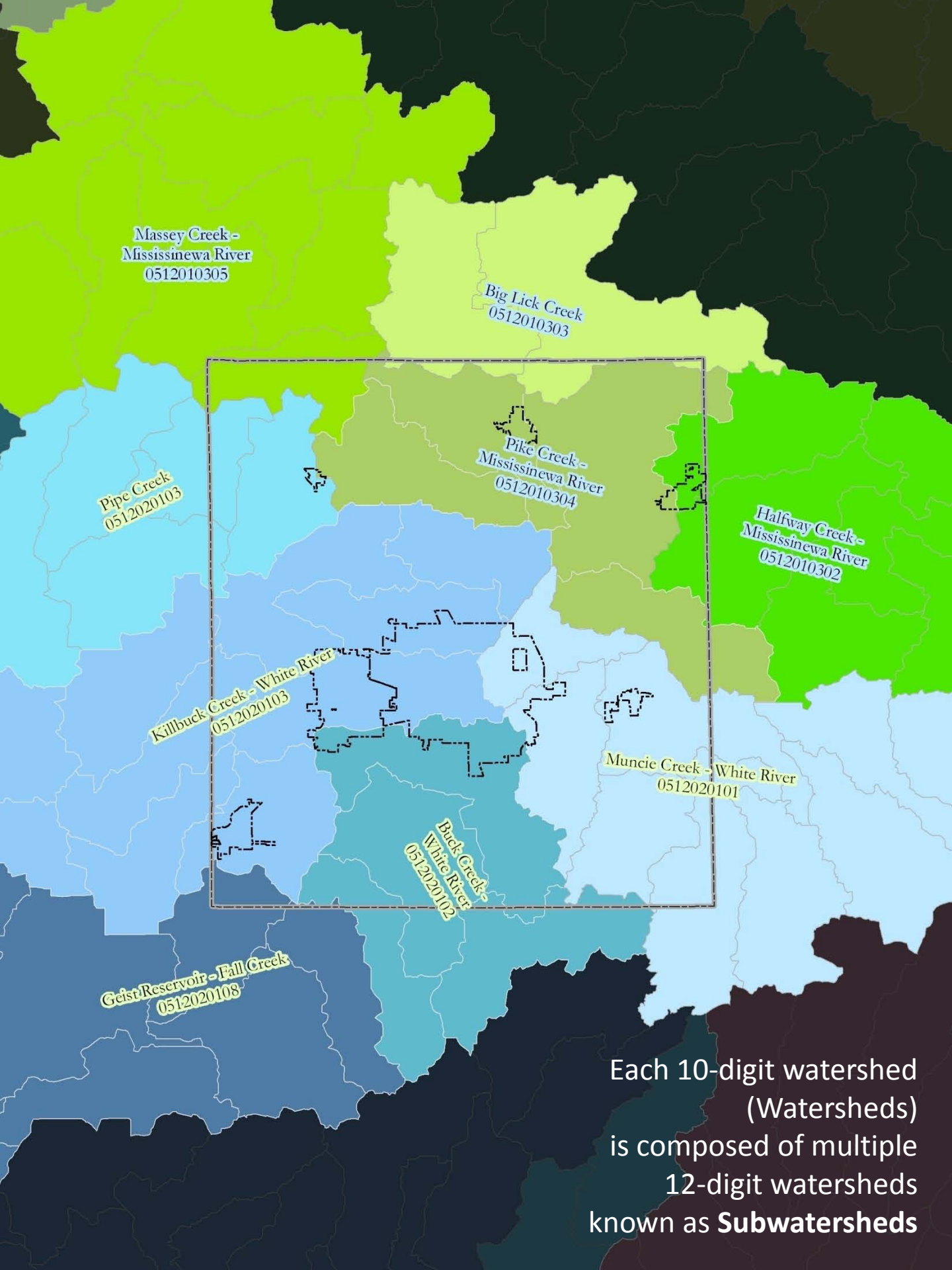


Each 10-digit watershed (Watersheds) is composed of multiple 12-digit watersheds known as **Subwatersheds**



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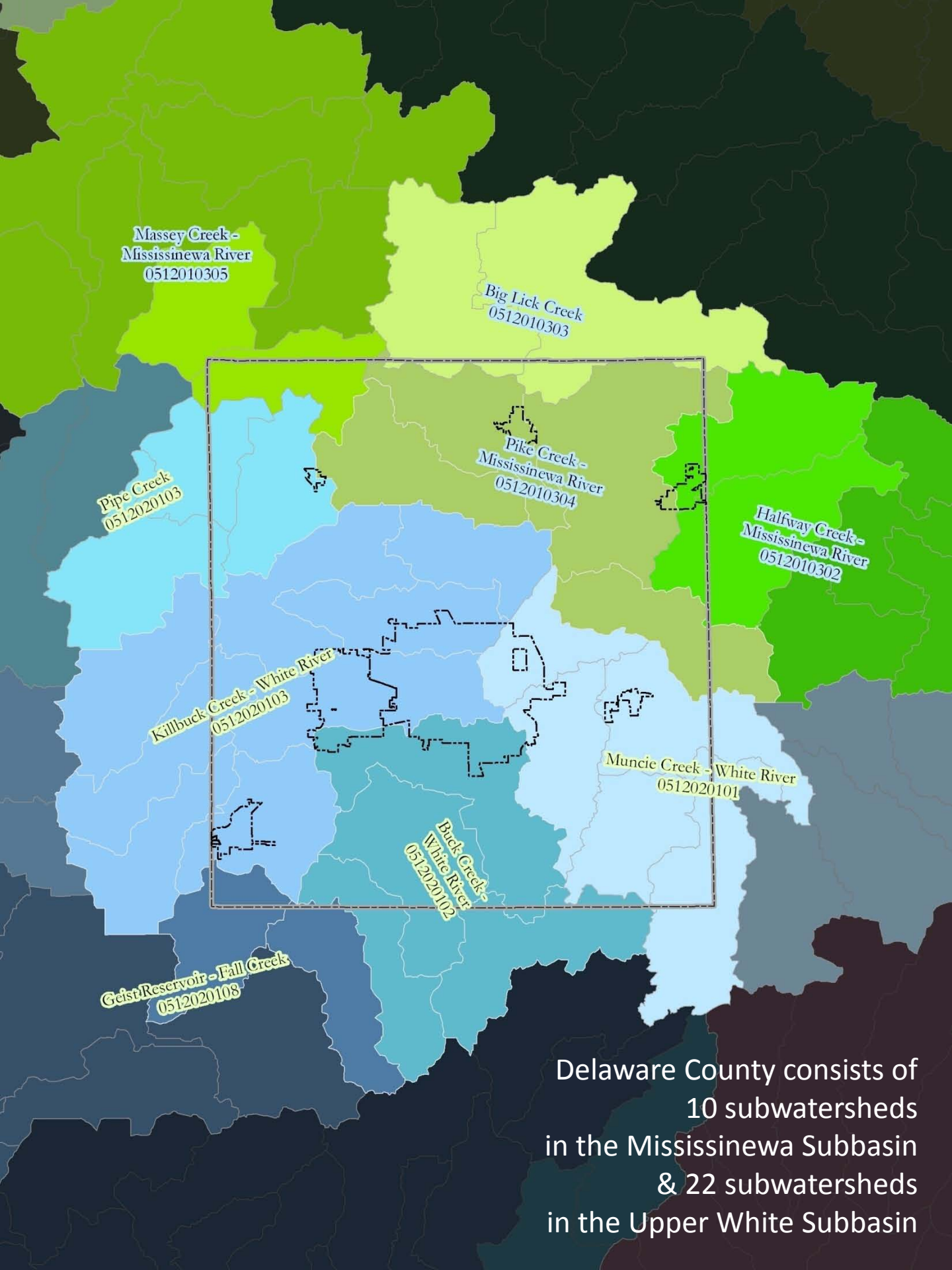
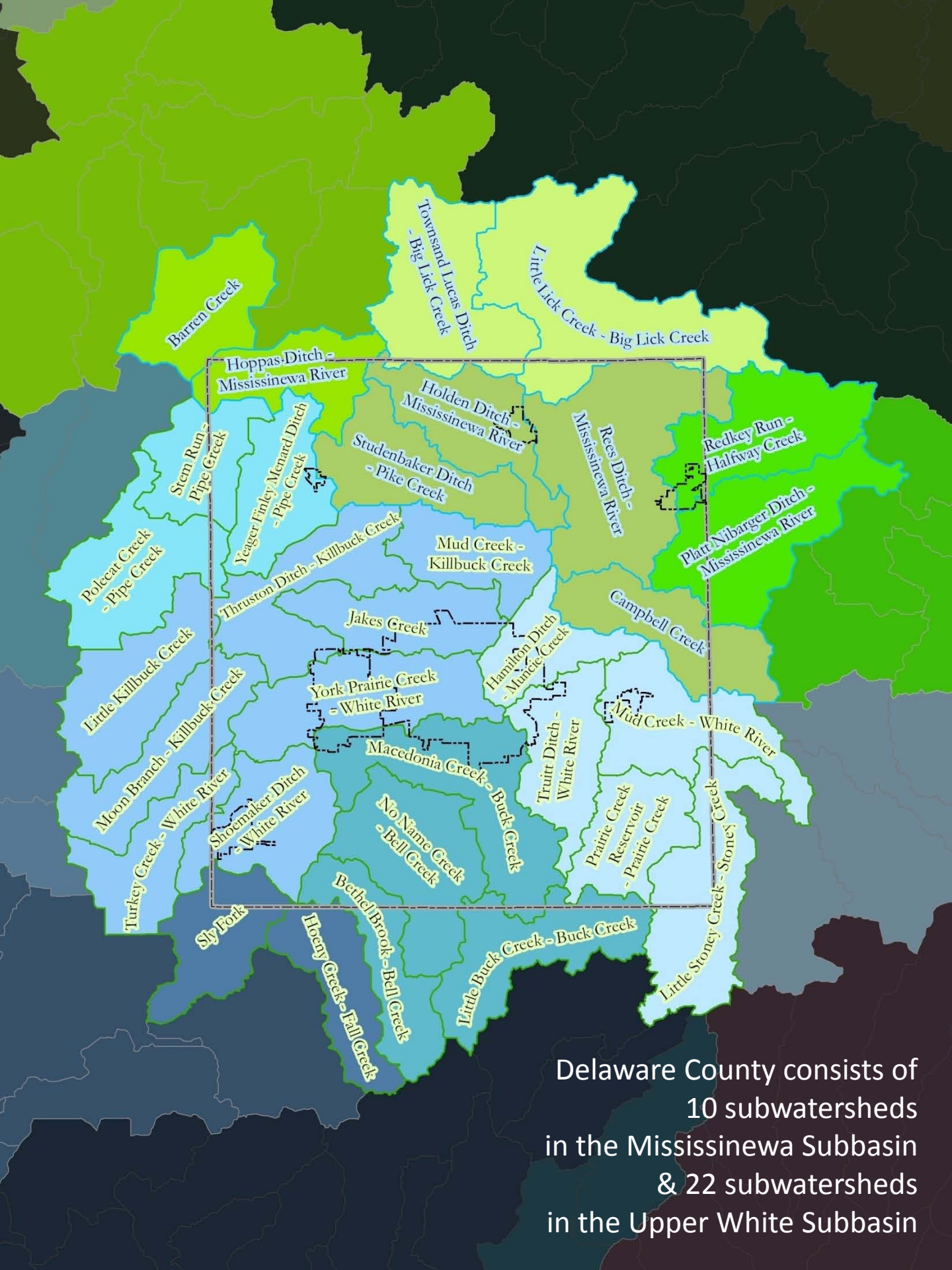


Delaware County consists of
10 subwatersheds
in the Mississinewa Subbasin
& 22 subwatersheds
in the Upper White Subbasin



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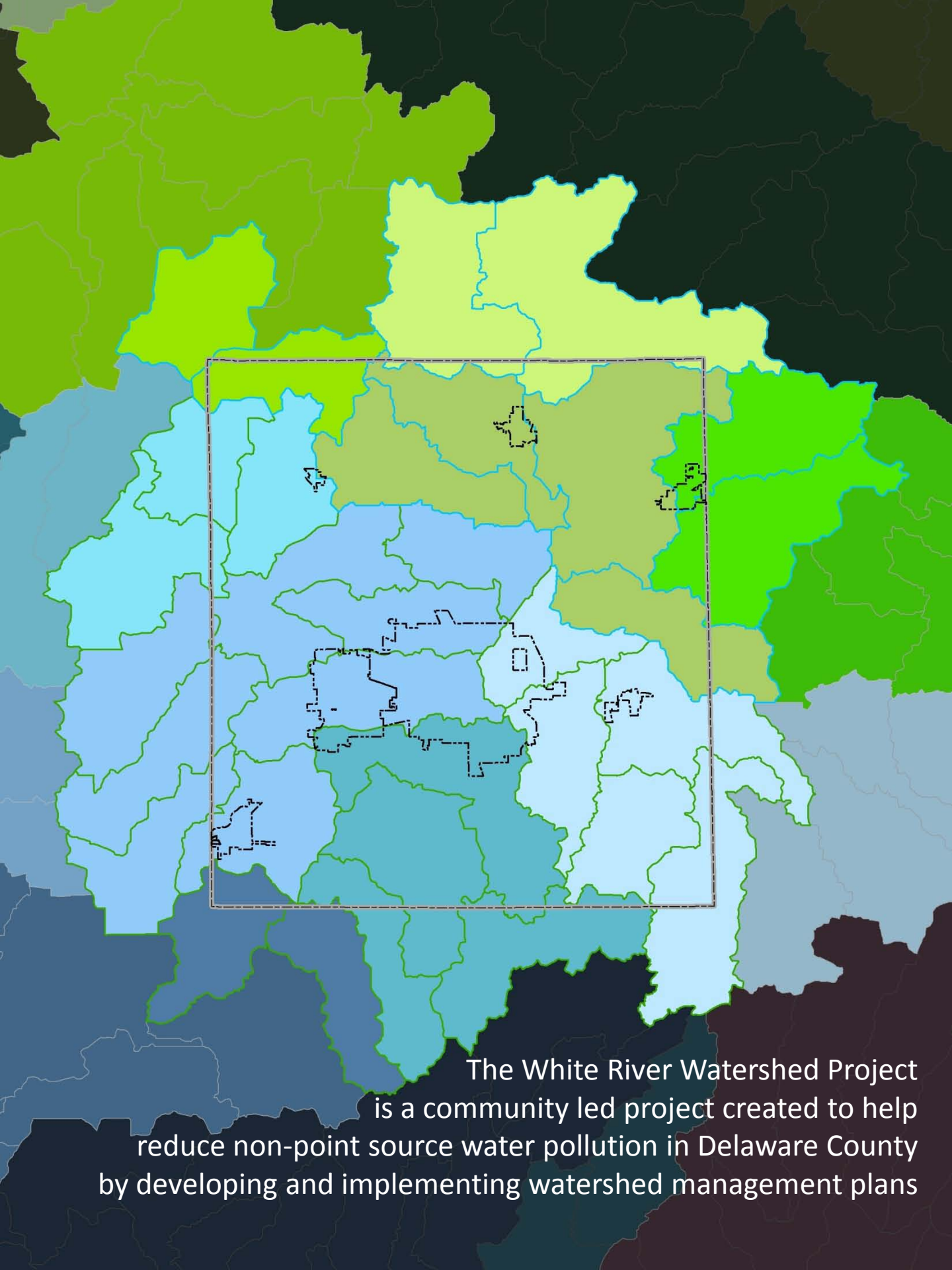
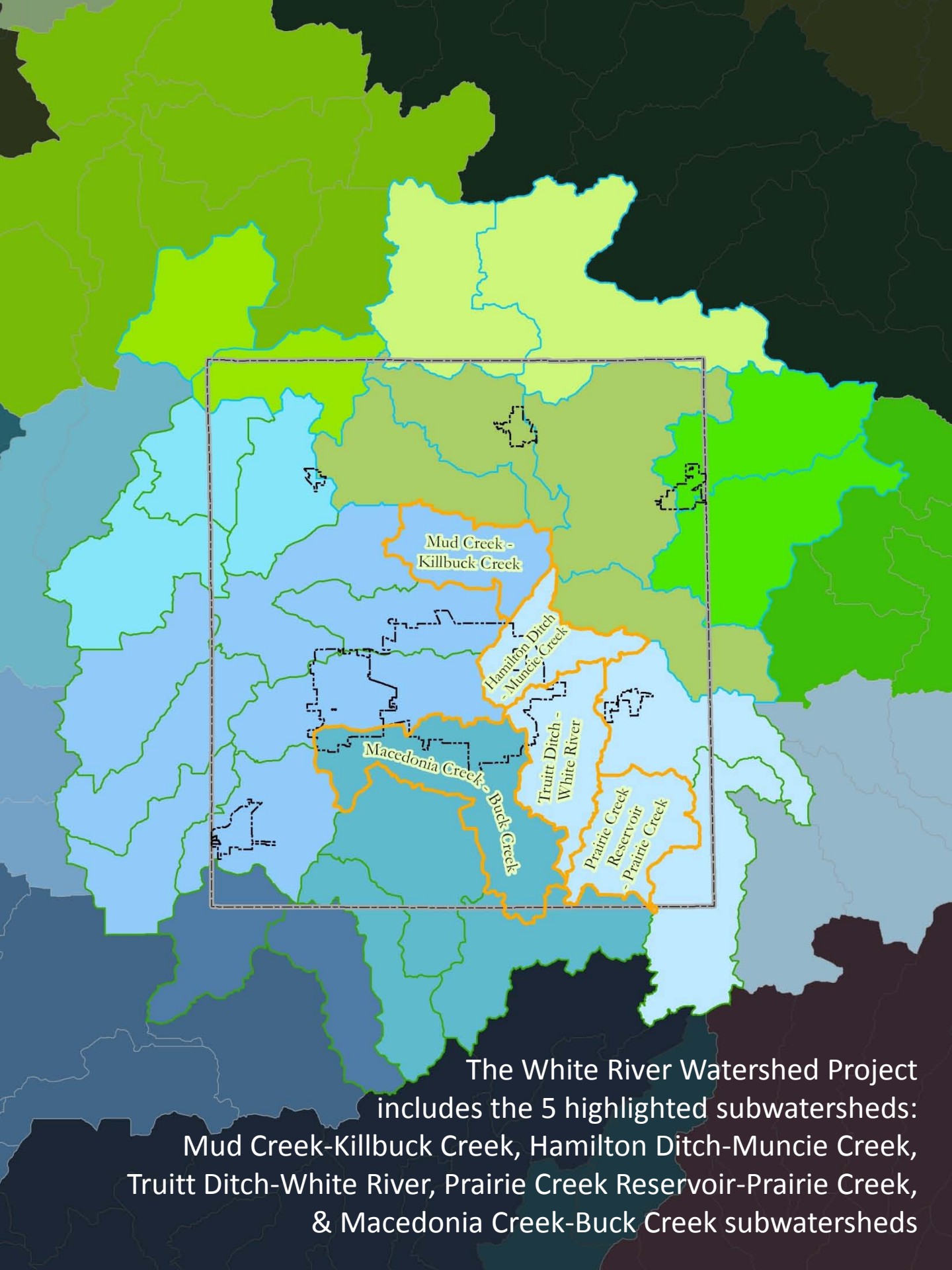
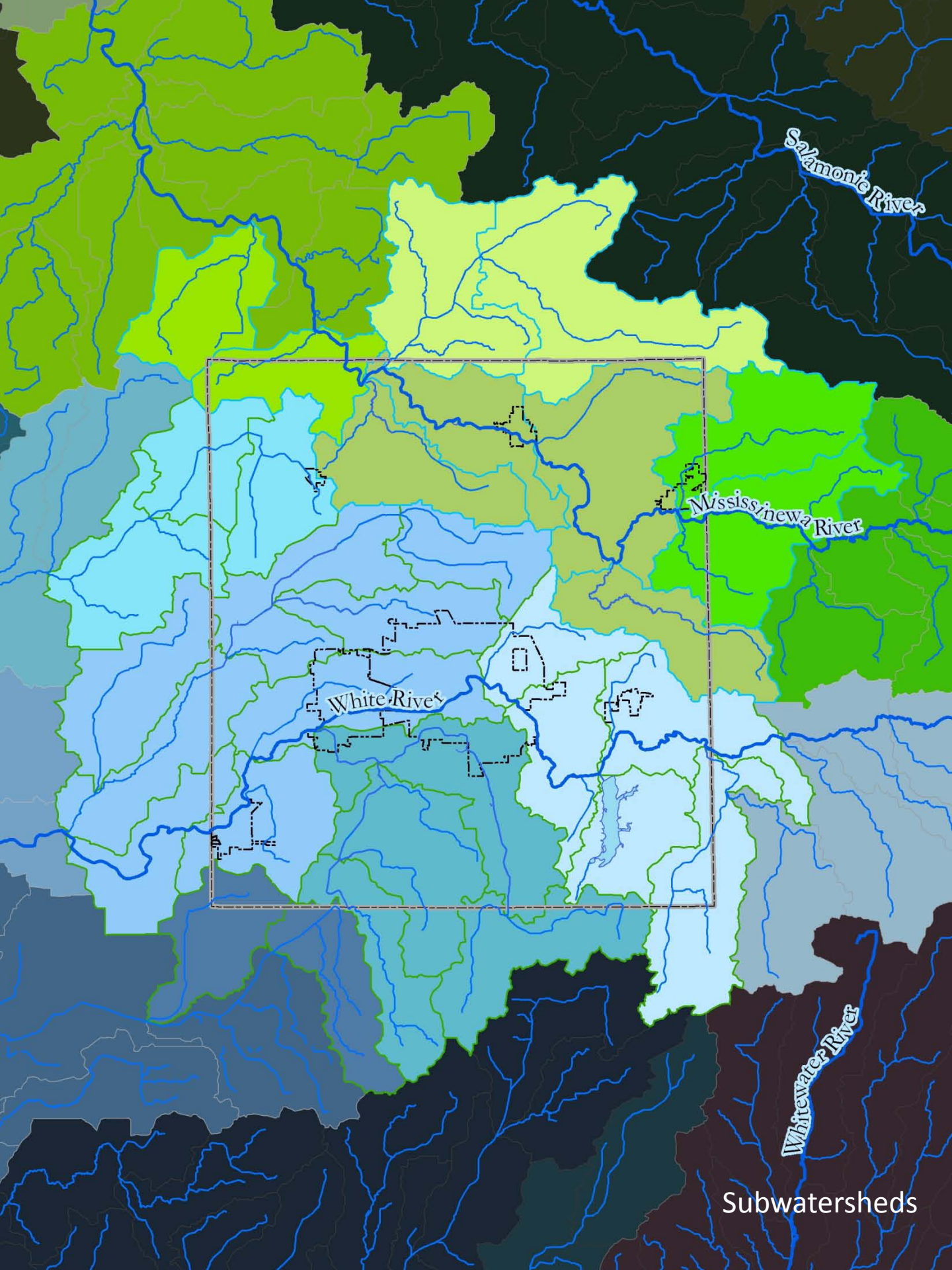


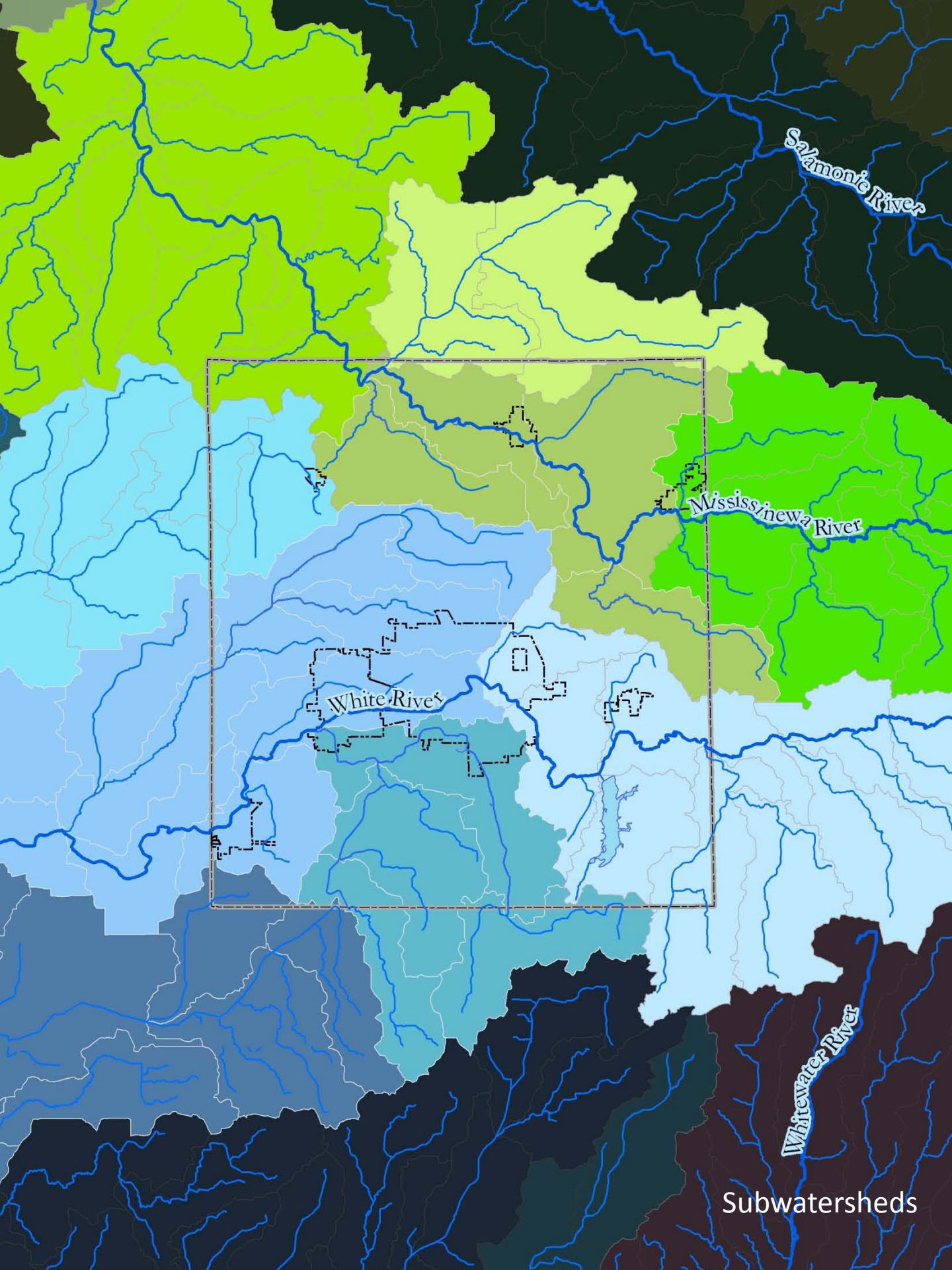
The White River Watershed Project
is a community led project created to help
reduce non-point source water pollution in Delaware County
by developing and implementing watershed management plans

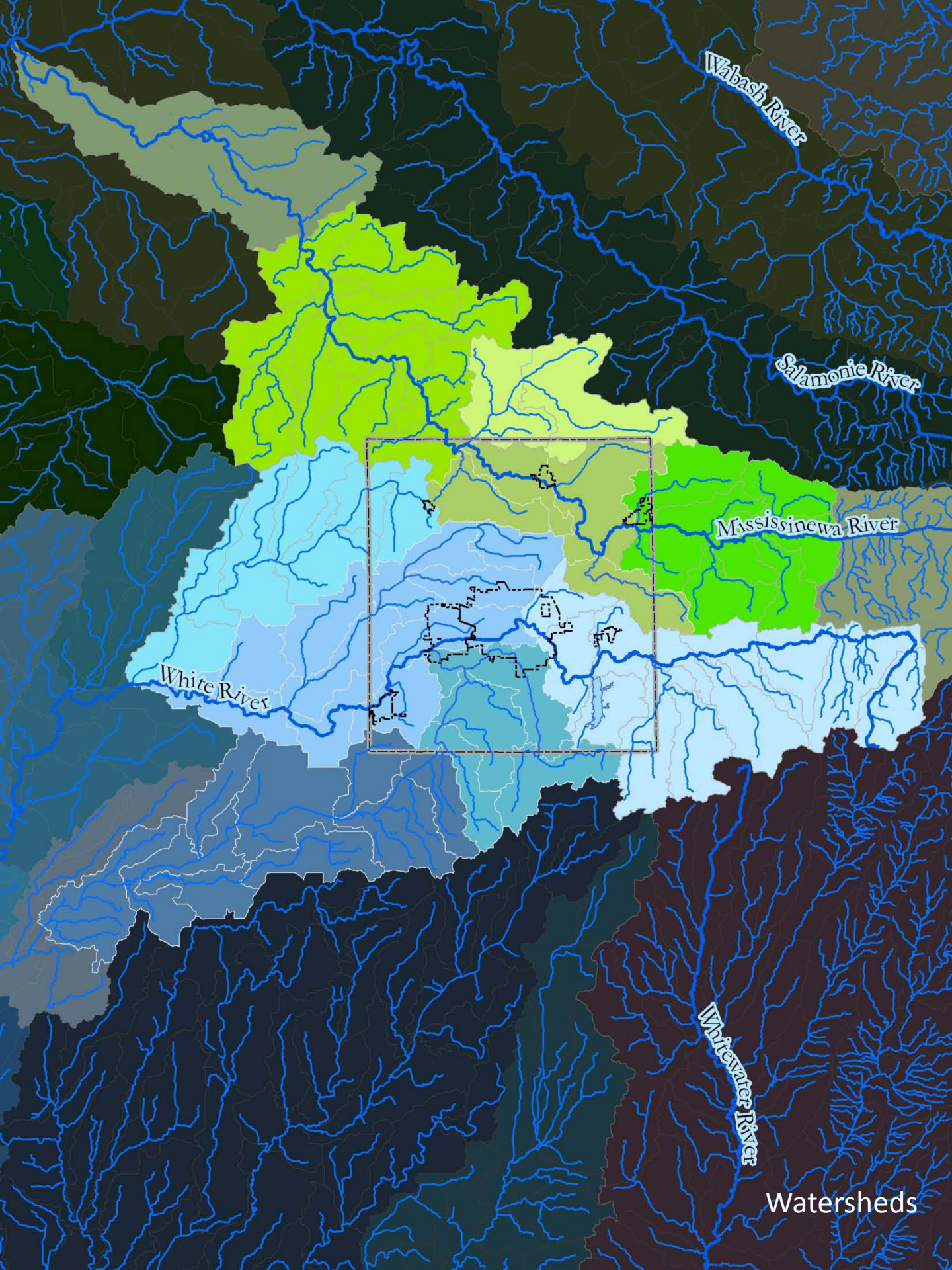


The White River Watershed Project includes the 5 highlighted subwatersheds: Mud Creek-Killbuck Creek, Hamilton Ditch-Muncie Creek, Truitt Ditch-White River, Prairie Creek Reservoir-Prairie Creek, & Macedonia Creek-Buck Creek subwatersheds

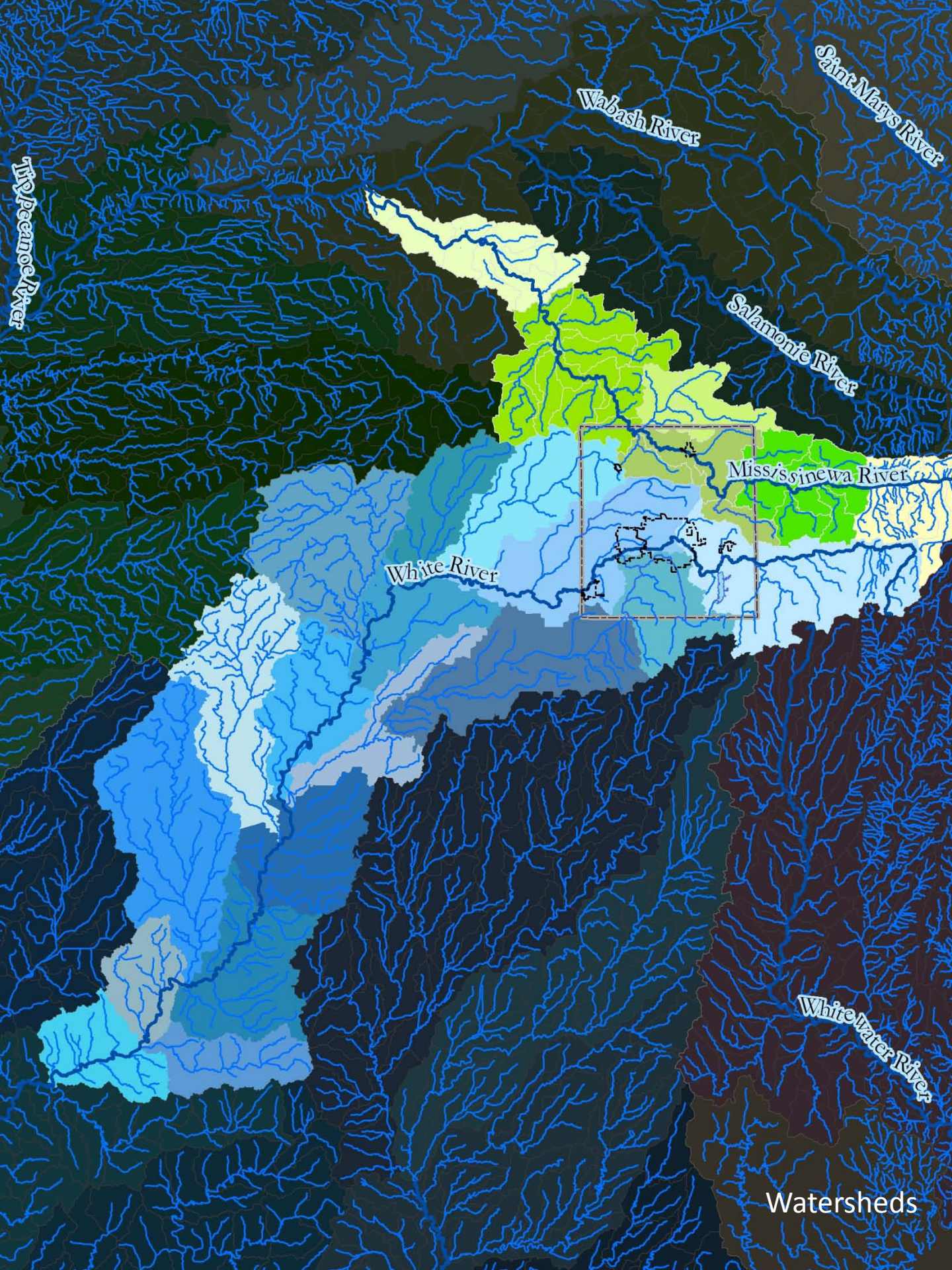
Now, hydrography (the mapping of surface waters) will be added to the maps so that you can see where the water originates from and where is it flowing to…

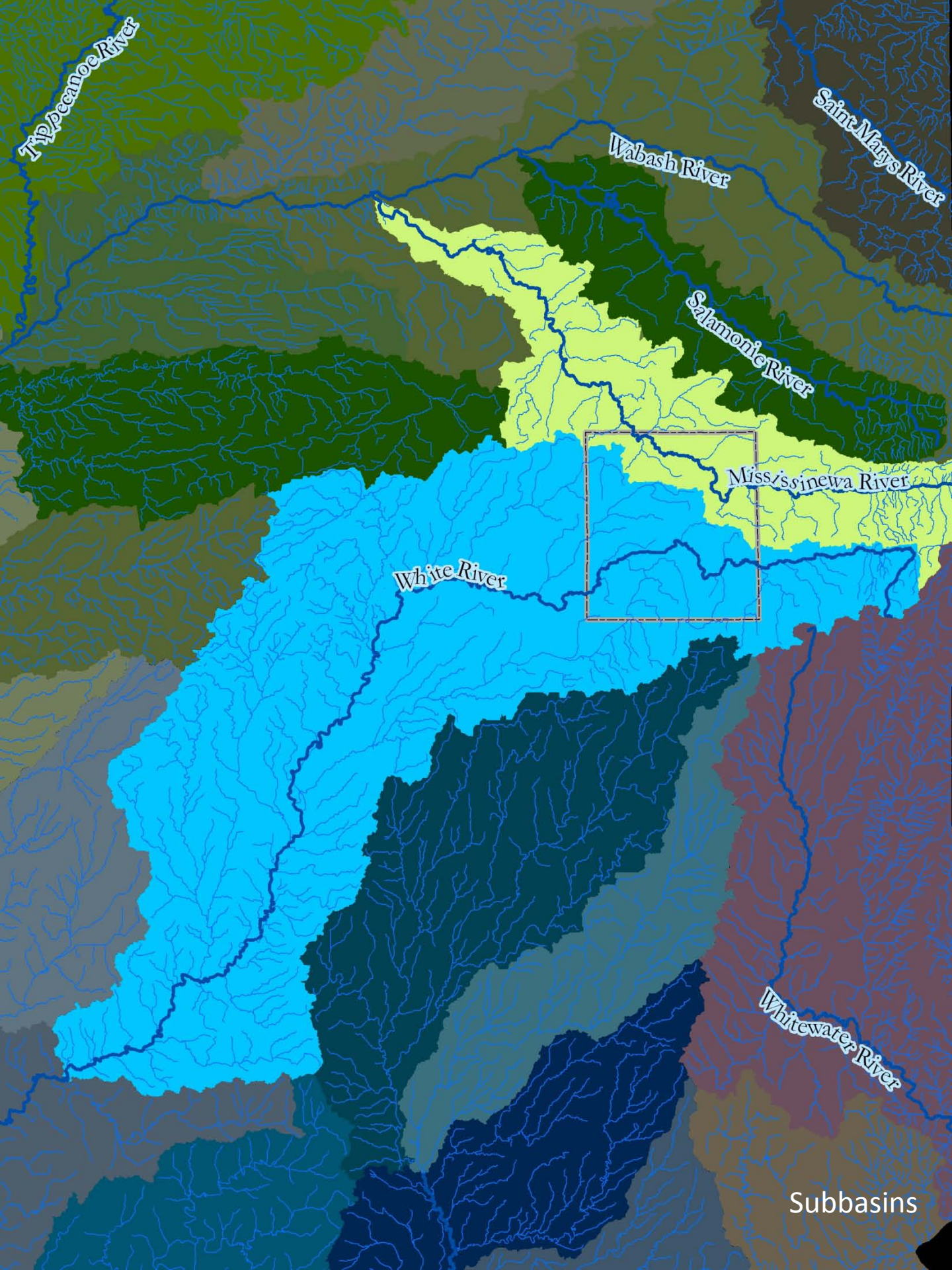

Salamonie River
Mississinewa River
White River
Whitewater River
Subwatersheds


Salamonie River
Mississinewa River
White River
Whitewater River
Subwatersheds


Wabash River
Salamonie River
Mississinewa River
White River
Whitewater River

Watersheds


Wabash River
Saint Marys River
Tippecanoe River
Salamonie River
Mississinewa River
White River
Whitewater River
Watersheds


Tippecanoe River
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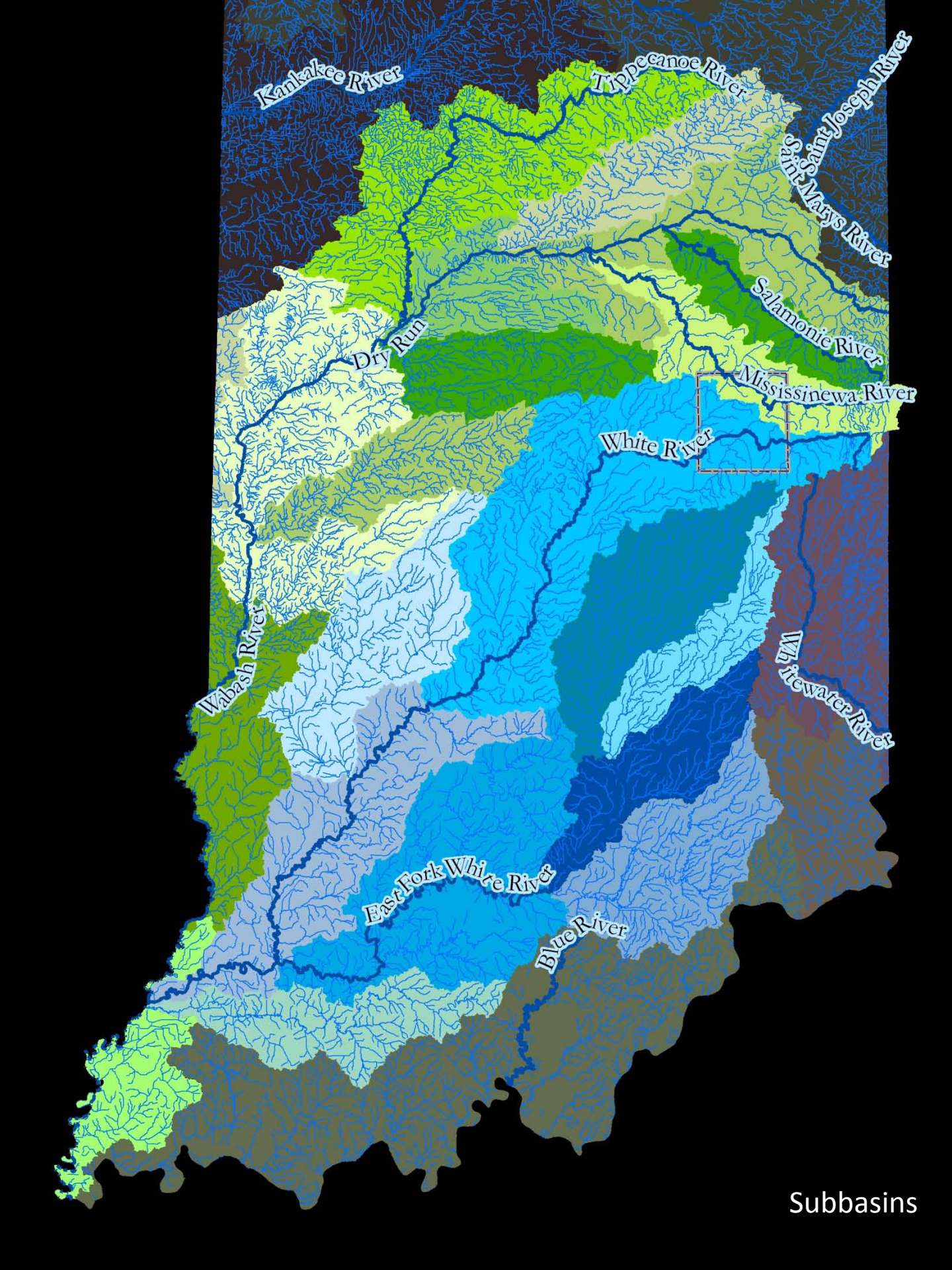
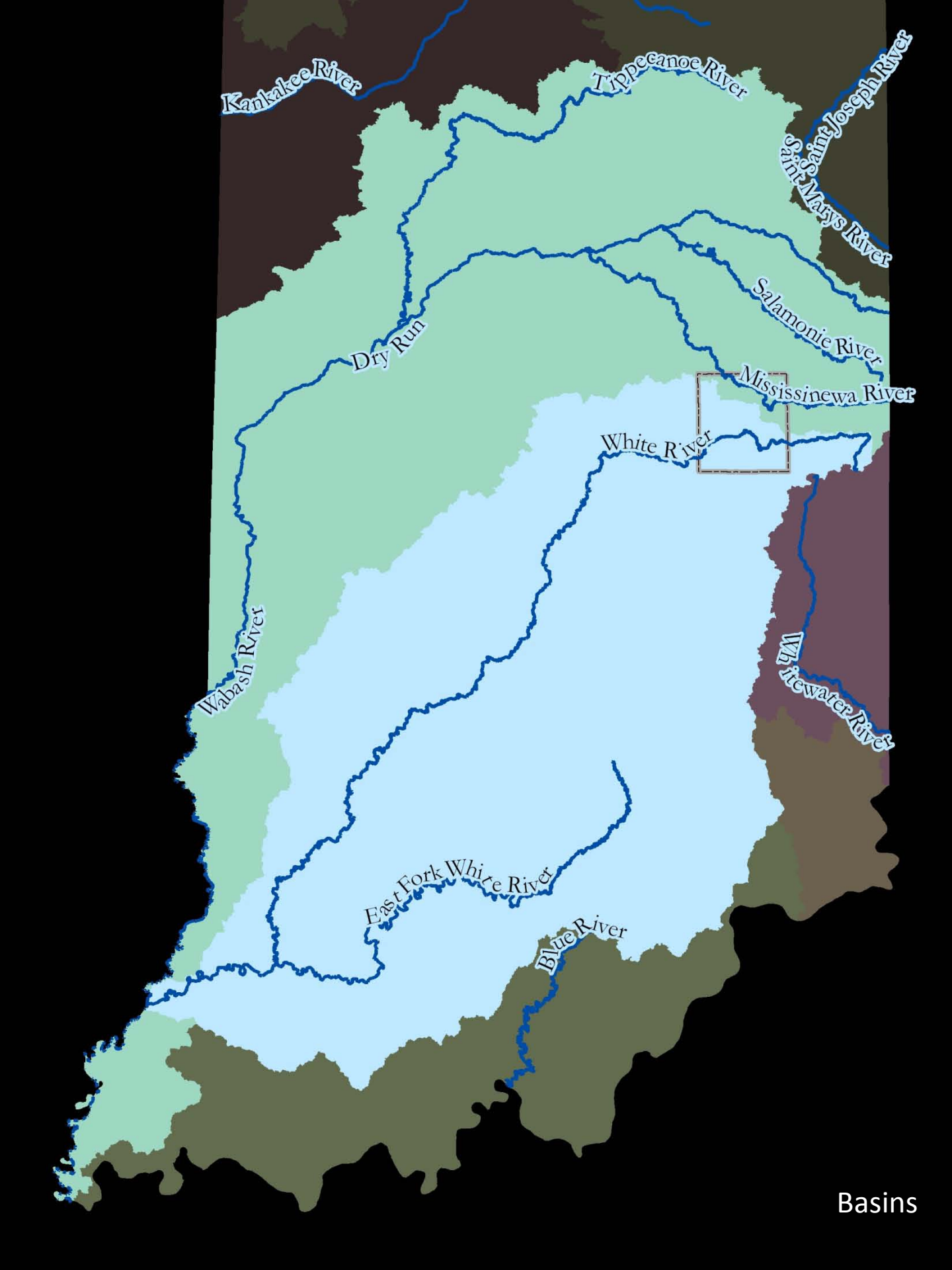
Whitewater River
Subbasins


Kankakee River
Tippecanoe River
Saint Joseph River
Saint Marys River
Salamonie River
Dry Run
Mississinewa River
White River
Wabash River
Whitewater River
East Fork White River
Blue River
Subbasins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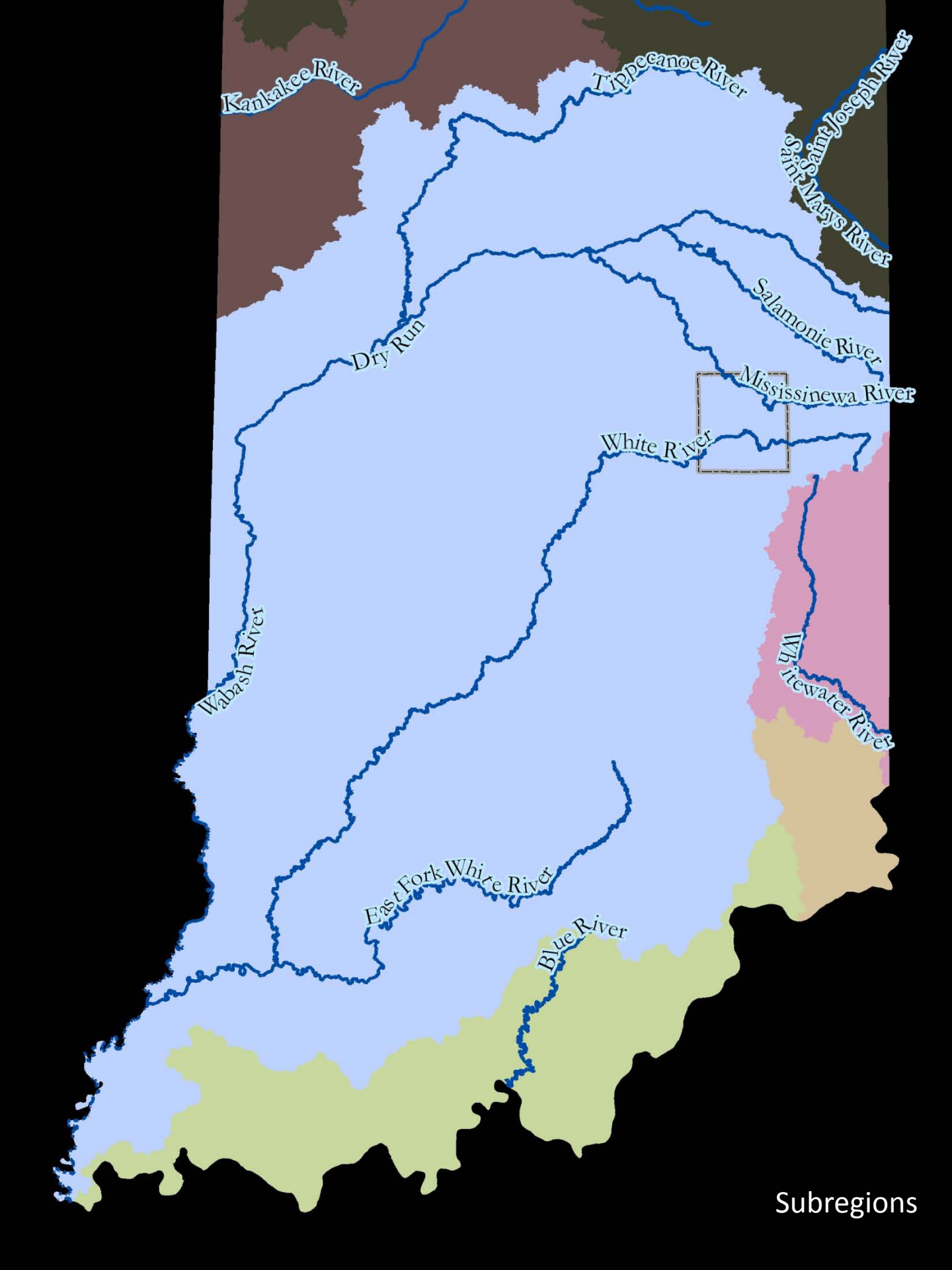
Basins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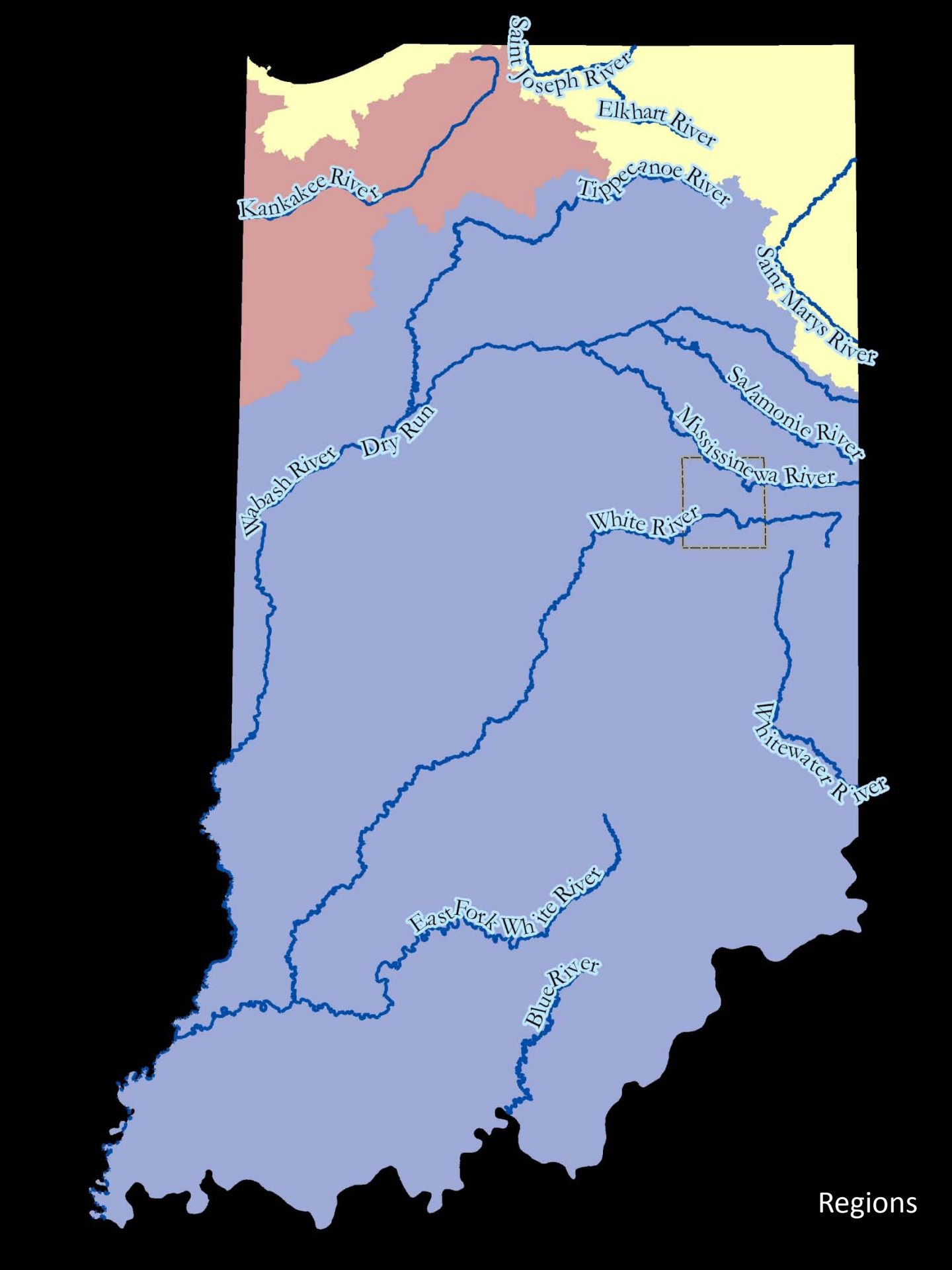
Subregions


Saint Joseph River
Elkhart River
Kankakee River
Tippecanoe River
Saint Marys River
Salamonie River
Mississinewa River
Dry Run
Wabash River
White River
Whitewater River
East Fork White River
Blue River

Regions

I hope this document has been beneficial in helping you understand watersheds and the various levels of watersheds.

If you have further questions, or have recommendations for improving this document, please feel free to email its author at lstinton@co.delaware.in.us

Thanks!