

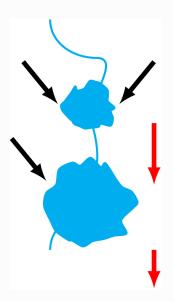
# Does Lake and Stream Connectivity Control Phosphorus Retention in Lakes?

Joseph Stachelek and Patricia Soranno
University

Michigan State

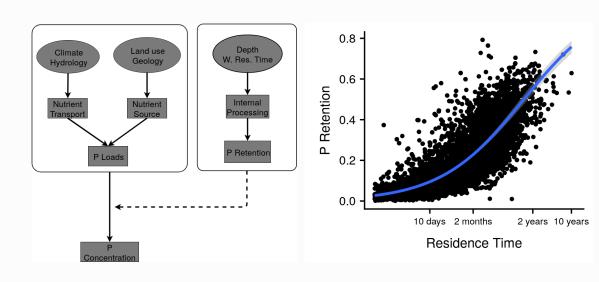
2018 June

#### P RETENTION IS IMPORTANT AND WELL-STUDIED

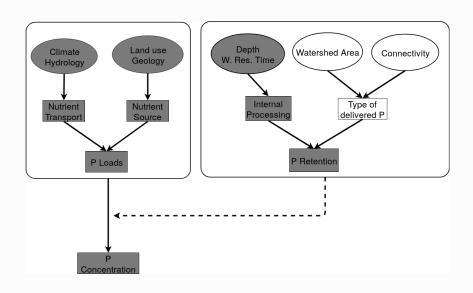


· Lit citations

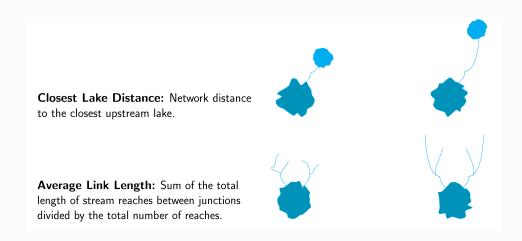
#### P RETENTION IS NOT JUST ABOUT WATER RESIDENCE TIME



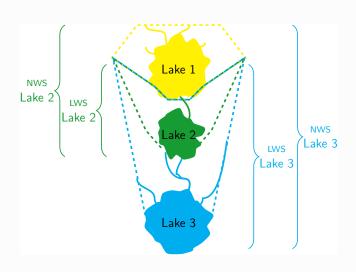
### WHAT ARE SOME OTHER POTENTIAL CONTROLS ON P RETENTION?



#### MULTIPLE WAYS TO DEFINE CONNECTIVITY



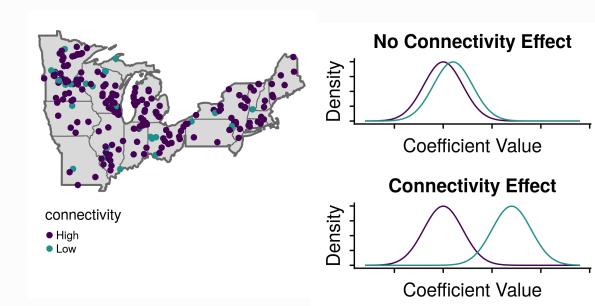
#### WHAT IS AN APPROPRIATE SCALE FOR MEASURING CONNECTIVITY?



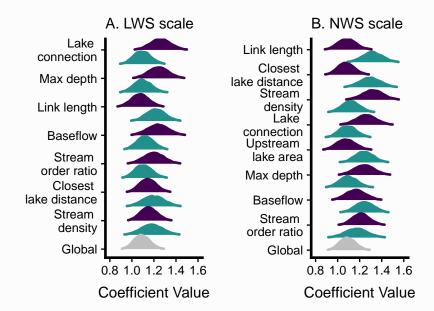
Does connectivity of lakes and their watersheds influence lake phosphorus retention?

What is the relative importance of different connectivity types in determining lake P retention and what spatial extents are most important for connectivity and P retention?

## METHODS



## RESULTS



## CONCLUSION

