Seasonal and annual trends in cyanotoxins within eastern Nebraskan lakes

A case study from three hydromorphically different lakes

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This analysis has been prepared in conjunction with our manuscript for THIS JOURNAL

Data analysis for this project was completed with R version 3.3.3 (2017-03-06).

require(pander)

## Loading required package: pander

smp.points <- read.csv("./data/sitedescriptions.csv")  
stations.table <- smp.points[,c("OrganizationFormalName","LakeName","MonitoringLocationIdentifier","LatitudeMeasure","LongitudeMeasure")]  
colnames(stations.table)<-c("Organization","Lake","Location ID","Latitude","Longitude")  
pander(stations.table)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Organization | Lake | Location ID | Latitude | Longitude |
| Nebraska Dept. of Environmental Quality | Carter | 21NEB001\_WQX-LMT1CARTER03 | 41.3 | -95.91 |
| Nebraska Dept. of Environmental Quality | Fremont | 21NEB001\_WQX-LLP1FRMT2004 | 41.44 | -96.55 |
| Nebraska Dept. of Environmental Quality | Fremont | 21NEB001\_WQX-LLP1FRMT2005 | 41.44 | -96.55 |
| Nebraska Dept. of Environmental Quality | Pawnee | 21NEB001\_WQX-LLP2PAWNEE03 | 40.85 | -96.87 |
| Nebraska Dept. of Environmental Quality | Pawnee | 21NEB001\_WQX-LLP2PAWNEE05 | 40.85 | -96.88 |
| Nebraska Dept. of Environmental Quality | Pawnee | 21NEB001\_WQX-LLP2PAWNEE00 | 40.84 | -96.86 |
| Nebraska Dept. of Environmental Quality | Pawnee | 21NEB001\_WQX-LLP2PAWNEE01 | 40.84 | -96.87 |
| Nebraska Dept. of Environmental Quality | Pawnee | 21NEB001\_WQX-LLP2PAWNEE04 | 40.84 | -96.87 |
| Nebraska Dept. of Environmental Quality | Pawnee | 21NEB001\_WQX-LLP2PAWNEE06 | 40.85 | -96.87 |
| Nebraska Dept. of Environmental Quality | Carter | 21NEB001\_WQX-LMT1CARTER01 | 41.3 | -95.92 |
| Nebraska Dept. of Environmental Quality | Carter | 21NEB001\_WQX-LMT1CARTER02 | 41.3 | -95.93 |
| Nebraska Dept. of Environmental Quality | Carter | 21NEB001\_WQX-LMT1CARTER04 | 41.29 | -95.9 |
| Nebraska Dept. of Environmental Quality | Carter | 21NEB001\_WQX-LMT1CARTER06 | 41.29 | -95.93 |
| Nebraska Dept. of Environmental Quality | Fremont | 21NEB001\_WQX-LLP1FRMT2001 | 41.44 | -96.55 |
| Nebraska Dept. of Environmental Quality | Fremont | 21NEB001\_WQX-LLP1FRMT2002 | 41.44 | -96.55 |
| Nebraska Dept. of Environmental Quality | Fremont | 21NEB001\_WQX-LLP1FRMT2003 | 41.44 | -96.55 |
| US Army Corps of Engineers Omaha District | Pawnee | COEOMAHA\_WQX-PAWLKML1 | 40.85 | -96.87 |
| US Army Corps of Engineers Omaha District | Pawnee | COEOMAHA\_WQX-PAWLKND1 | 40.84 | -96.87 |
| US Army Corps of Engineers Omaha District | Pawnee | COEOMAHA\_WQX-PAWLKUP1 | 40.86 | -96.88 |
| National Oceanic and Atmospheric Administration | Pawnee | GHCND:USC00252706 | 40.85 | -96.85 |
| National Oceanic and Atmospheric Administration | Pawnee | GHCND:USW00014939 | 40.83 | -96.76 |
| National Oceanic and Atmospheric Administration | Carter | GHCND:USW00014942 | 41.3 | -95.88 |
| National Oceanic and Atmospheric Administration | Fremont | GHCND:USC00253050 | 41.43 | -96.47 |