

KENTUCKY'S REAL TIME LAKE MONITORING NETWORK LIGHTNING TALK

CHIP ZIMMER

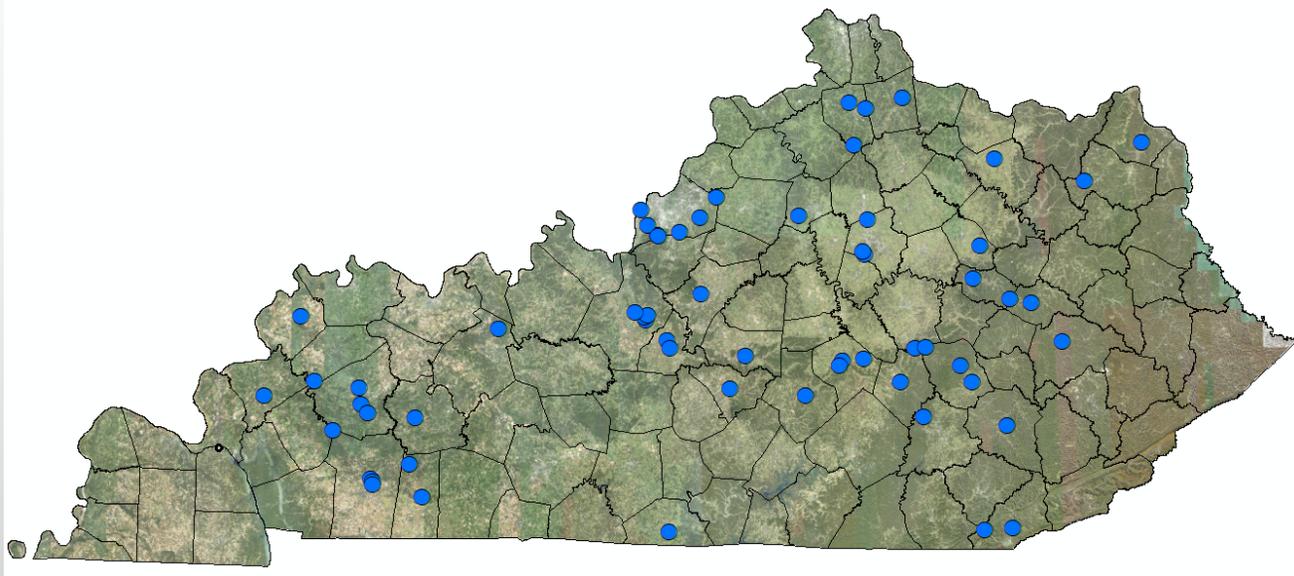
KENTUCKY DIVISION OF WATER

MIDWEST DEWS REGIONAL PARTNER MEETING

NOVEMBER 19, 2019



PLANNED MONITORING LAKES



- Selected lakes are small to medium water supply lakes and Dept of Homeland Security priority dams.
- Lakes need to be fairly easy to access and also have a reliable cell phone signal.
- We are still working to finalize the locations of a few sensors.

SENSORS



- One made by Evigia and one from Progeny
- Cost is intended to be \$1000 to \$1500 per sensor.
- Plan to install 50 sensors statewide

- Sensors will send an update every 15 minutes via a cell phone signal.
- We will have access to both live and historical data so we will be able to look at lake levels.
- Used for drought monitoring and for flooding/overtopping events