

Nutrient Criteria Plan for Streams

Mark Osborn

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Missouri
Department of
Natural Resources

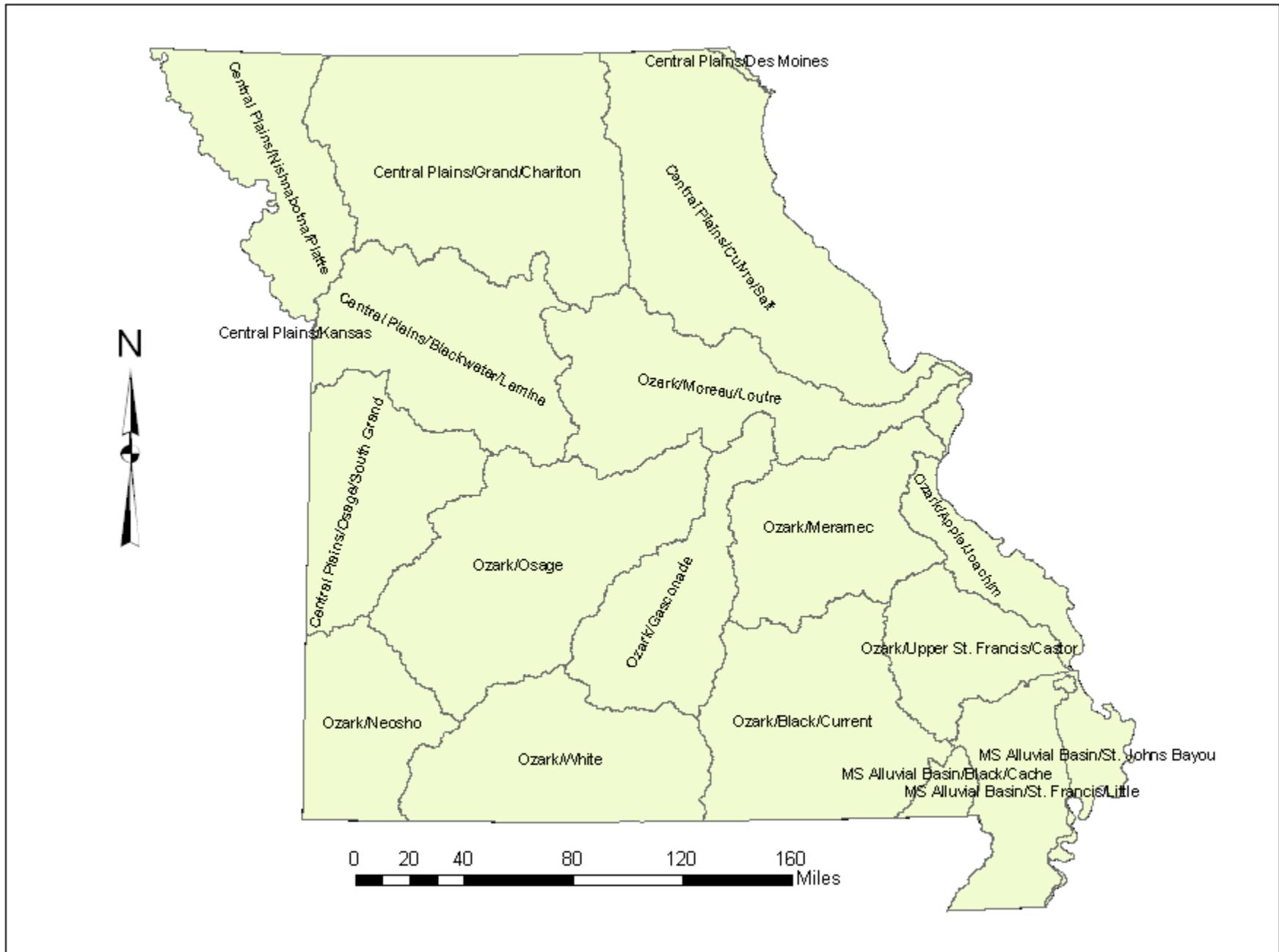
Components of Plan

- Approved by EPA in July, 2005
- Includes sections on lakes and streams
- Big rivers and wetlands also mentioned, will be addressed later
- Original goals for rule promulgation
 - Lakes 2006
 - Streams 2008
- Revised rule promulgation goals
 - Lakes 2009
 - Streams 2011

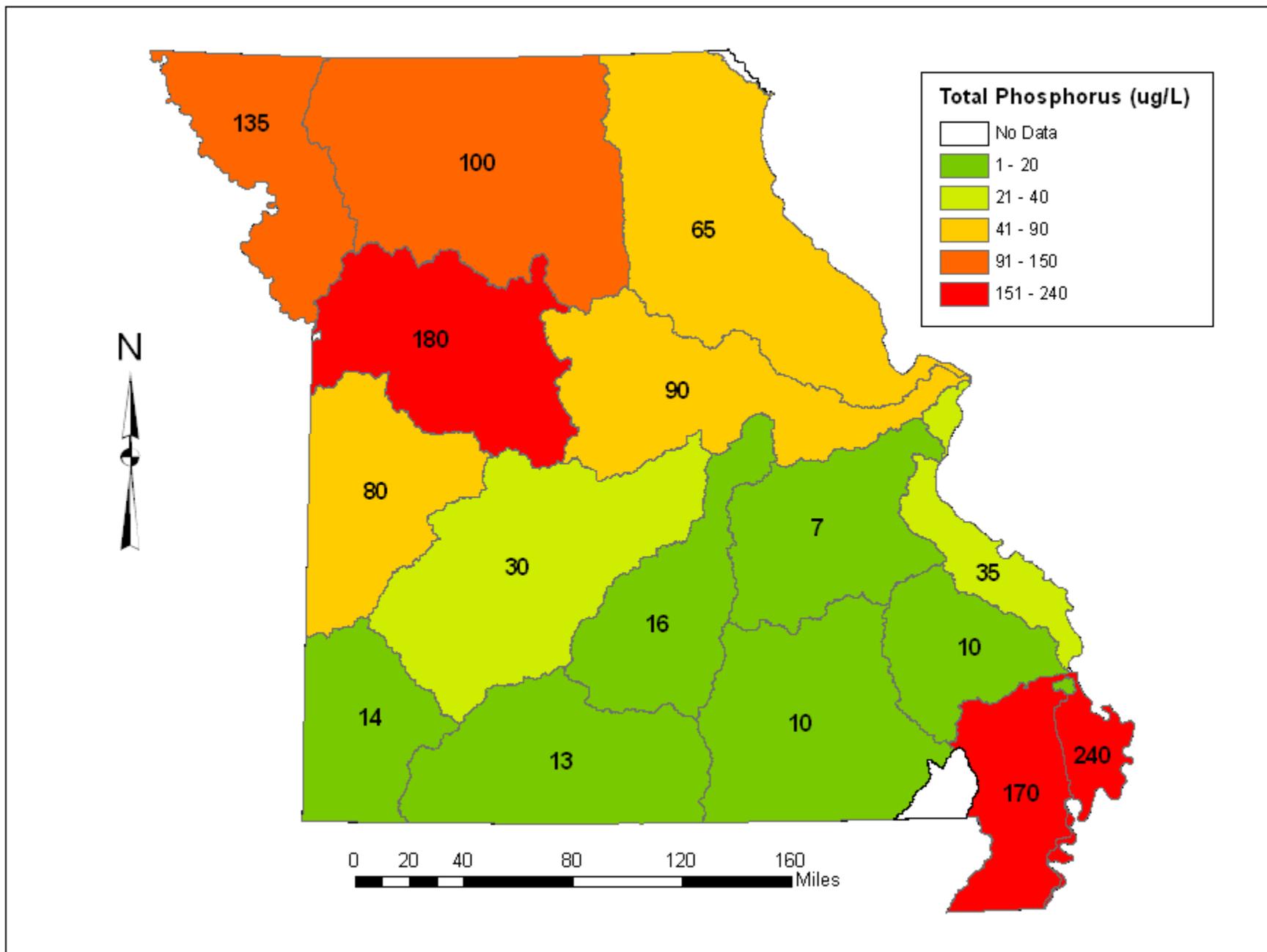
Proposed Approach for streams

- Data from reference streams
- Delineation of the state by Ecological Drainage Unit (EDU)
 - Established by Missouri Resource Assessment Program
 - Based on extensive biological, ecological, and geological analysis
 - 19 EDU in state

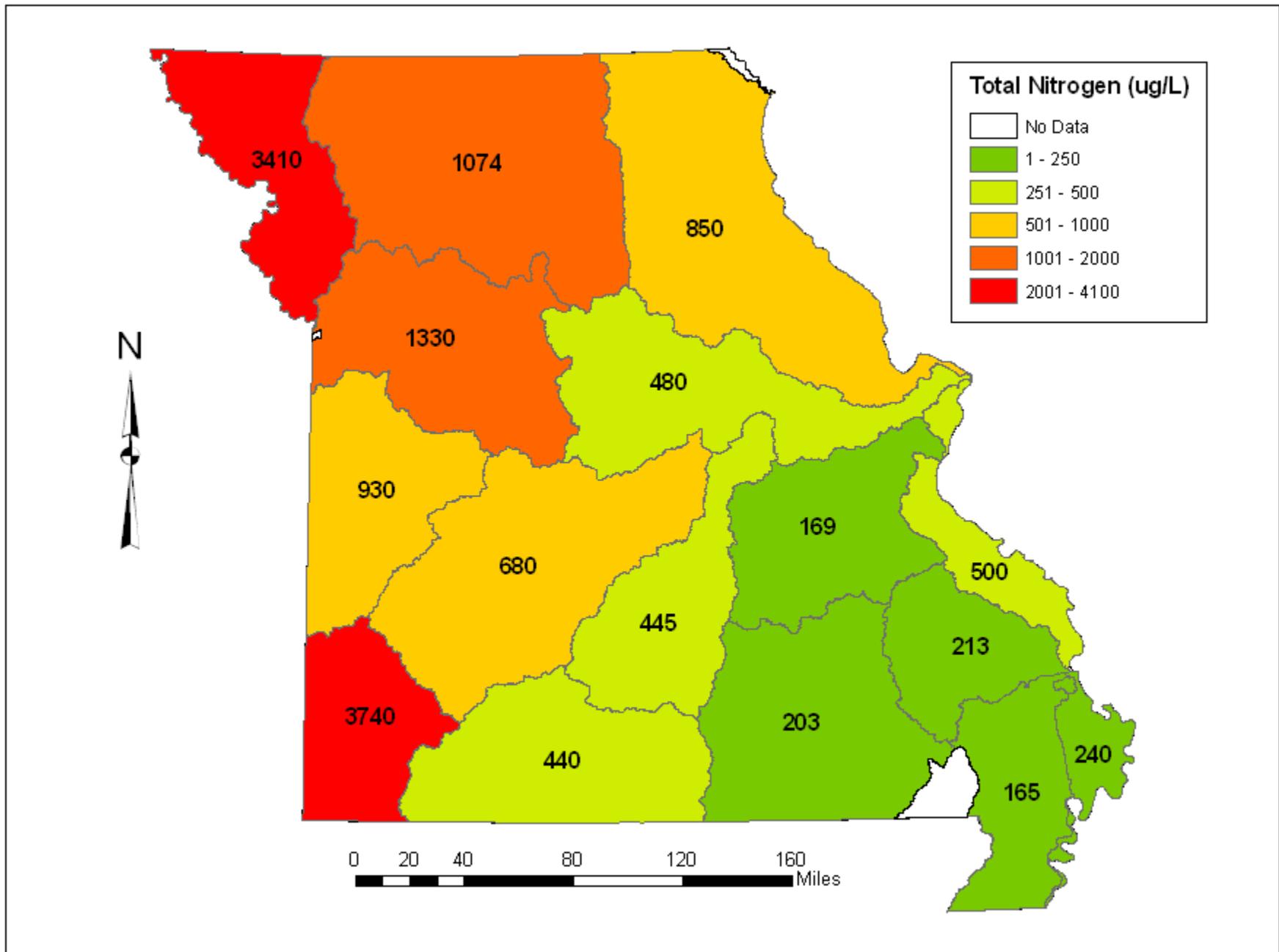
Ecological Drainage Units



Total Phosphorus - 75th Percentile in Reference Streams



Total Nitrogen - 75th Percentile in Reference Streams



Caveats and Other Considerations

- Gaps in data
- Stream hydrology and morphology
- Shading
- Downstream effects

