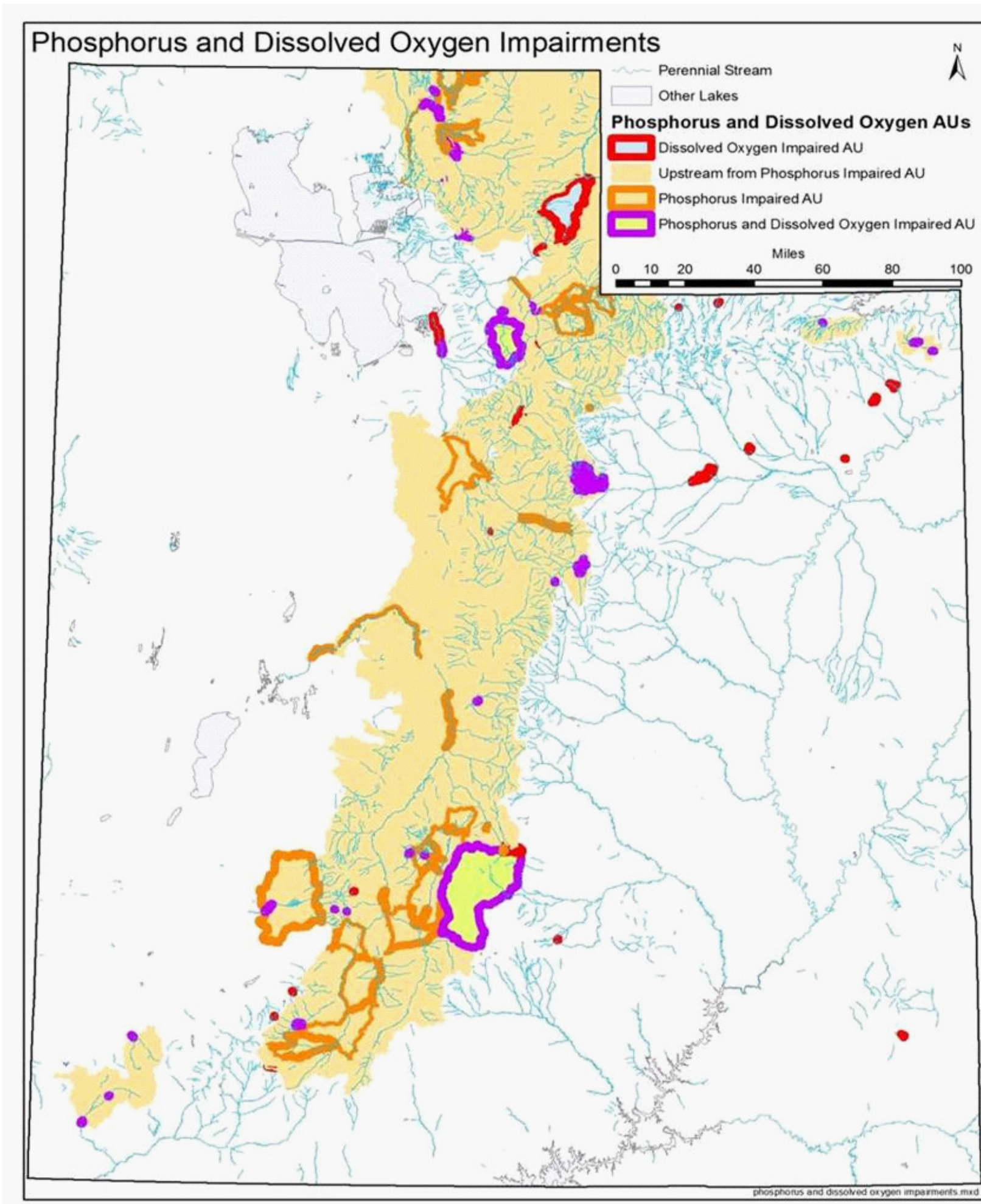


Nutrient Overview

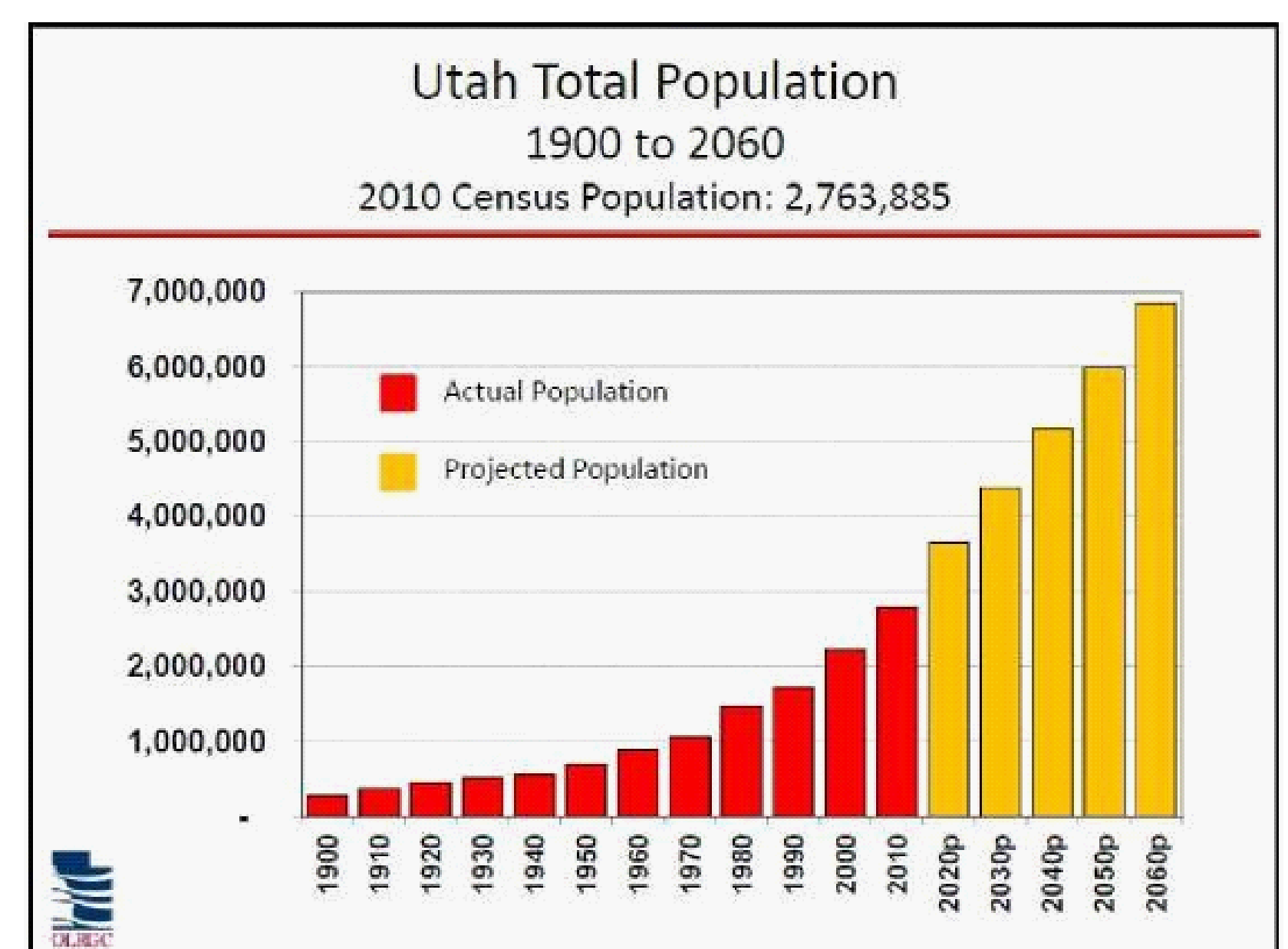
Why be Concerned About Nitrogen and Phosphorus Pollution?

Aquatic Life	
Effects	Concerns
Degraded Water Chemistry (pH, DO)	Unhealthy Fish and Wildlife
Habitat Degradation	
Loss of Biodiversity	Less Resilience to Disturbance
Recreation	
Decreased Athletics	Outdoor Recreation
Toxins from Blue-Green Algae (Cyanobacteria)	People Get Sick, Cattle and Pets can Die
Increases in Harmful Bacteria	People Get Sick
Drinking Water	
Increased Taste and Odor	Increased Treatment Costs
Contaminated Groundwater (Nitrate)	Sick Babies (Blue Baby Syndrome)
Increases in Disinfection By-products	People and Animals Get Sick



Do We Have Problems in Utah?

- Numerous Waters with Nutrient-related Water Quality Problems have Already been Identified
- Not All Waters Currently have Problems, but Those that Do Occur Statewide



Why Now?

- Nutrients Accumulate in Lakes and Streams
- When Problems Occur, Recovery Can take Decades
- Utah is Among the Fastest Growing States in the Nation
- Per Capita Nutrient Pollution Will Not Decline Unless We Act
- Doing Nothing Will Further Stress Already Limited Water Resources

