

# Wyoming Nutrient Strategy

## 2018 Priority Items and Next Steps

February 2018 Draft

### Boysen Watershed Strategy Implementation

1. Compile existing nutrient and response data (e.g., chlorophyll a, phytoplankton, macroinvertebrates), point source effluent data, landuse, and other relevant information in the Boysen Reservoir watershed.
2. Develop subwatershed loading analysis using available data.
3. Once loading analysis is complete, work with nonpoint source and point source stakeholders to identify priority items and next steps.
4. Initiate dialogue with Wyoming NRCS to discuss opportunities to encourage the use of EQIP funding for nutrient reduction activities in the Boysen watershed.
5. Assist with outreach to nonpoint source stakeholders in the Boysen watershed by coordinating with Conservation Districts; assist Conservation Districts with watershed planning, project development, and applying for grant funding as needed.
6. Evaluate and recommend effluent monitoring requirements for point sources.

### Other Efforts

#### Criteria Development

1. Finalize nutrient maps and share via DEQ's Nutrient Pollution webpage.
2. Continue working on numeric nutrient criteria for Wyoming Basin Lakes: obtain external peer review of technical support document and revise document based on external peer review. Share updated numeric nutrient criteria with the Wyoming Nutrient Work Group.
3. Update nutrient criteria development plan to incorporate aspects of Wyoming Nutrient Strategy and share with the Wyoming Nutrient Work Group. Post on WDEQ's nutrient criteria development webpage.
4. Review existing narrative criteria and work on developing more detailed assessment methods aimed at identifying exceedances of narrative standards due to nutrient pollution. Share proposals with the Wyoming Nutrient Work Group.

#### Harmful Algal Blooms

1. Update harmful algal bloom action plan and share with the Wyoming Nutrient Work Group; post updated plan on DEQ's HABs webpage.
2. Update standard operating procedures and share via WDEQ's HABs webpage.
3. Continue to explore options for cyanotoxin analysis.
4. Explore options for increasing public awareness about harmful algal blooms.
5. Explore options for identifying waters for HAB surveillance, evaluate resources for surveillance and monitoring, and explore partnerships for implementing surveillance and monitoring.

#### Point Sources

1. Support the City of Laramie's wastewater treatment plant optimization work.
2. Explore options for additional extended aeration plant optimization work.

3. Compile information on successful wastewater reuse programs in Wyoming.
4. Identify an outreach strategy to educate point sources and potential cooperators about reuse.

#### Nonpoint Sources

1. Initiate discussions with Wyoming NRCS to educate NRCS staff on water quality issues related to nutrients and to educate DEQ staff on NRCS programs, including the Soil Health Initiative.

#### Education and Outreach

1. Work with Wyoming Nutrient Work Group to develop and finalize 2018 priorities.
2. Report progress and updates to Wyoming Nutrient Work Group.
3. Develop nutrient pollution video to disseminate to the public.
4. Determine strategy to outreach to the public about the Wyoming Nutrient Strategy and initiate outreach.