



Upper Big Sioux River Watershed Project Status Update

City Council Work Session

Pi day, 2022



Looking back

- ▶ 1994-2022
- ▶ 400+ projects completed
- ▶ 10+ Million dollars spent
 - ▶ Landowner, City, State, Federal
- ▶ Nutrient reductions in Lake Kampeska
 - ▶ Total Suspended Solids improved by 10%
 - ▶ Phosphorus Improved by 50%
 - ▶ Transparency improved by 58%
- ▶ Education and outreach – average 2,000 contacts annually
- ▶ Local Partnerships
- ▶ Community Projects

In depth review at Mike Williams Lecture series April 5th 7pm TREC



Looking Forward

- ▶ Current contract expires August 31st 2022
 - ▶ Does not mean project expires with it.
- ▶ Maintaining a presence in the watershed is critical for long term sustainability.
 - ▶ Being involved with water quality issues improves landowner relations.
 - ▶ Maintaining healthy waterbodies improves economic growth.
- ▶ Options:
 - ▶ Adjust existing model to expand division duties, new PIP – new grant application.
 - ▶ Contract out position and maintain board oversight.
 - ▶ Pass Primary sponsorship to another entity and participate via grant dollars.
 - ▶ ??????
- ▶ Regardless of decision, Sponsors and Stakeholders should gather to discuss needs and expectations in developing new goals and implementation plan.

Other Duties as Assigned

- ▶ River and lake water samples
- ▶ Monitor and report lake levels
- ▶ Annual weir inspections and operation
- ▶ Official lake level record keeping
- ▶ Flood plane development permits (Kampeska)
 - ▶ Administer LKWPD funds
 - ▶ Provide construction guidance
- ▶ Lake Kampeska Master Plan projects
 - ▶ Advocating for user friendly access and usage
 - ▶ Incorporating into standard projects to save time and funding
- ▶ Public beach monitoring for E.coli (City Park and Memorial Park)
- ▶ Community outreach/educational programs
 - ▶ 2,000+ contacts made annually
- ▶ Flood Fight resources
 - ▶ Snow water equivalents and pack status
 - ▶ Ground water status
 - ▶ Sub Watershed monitoring
 - ▶ River flow modeling and gauge stage effects