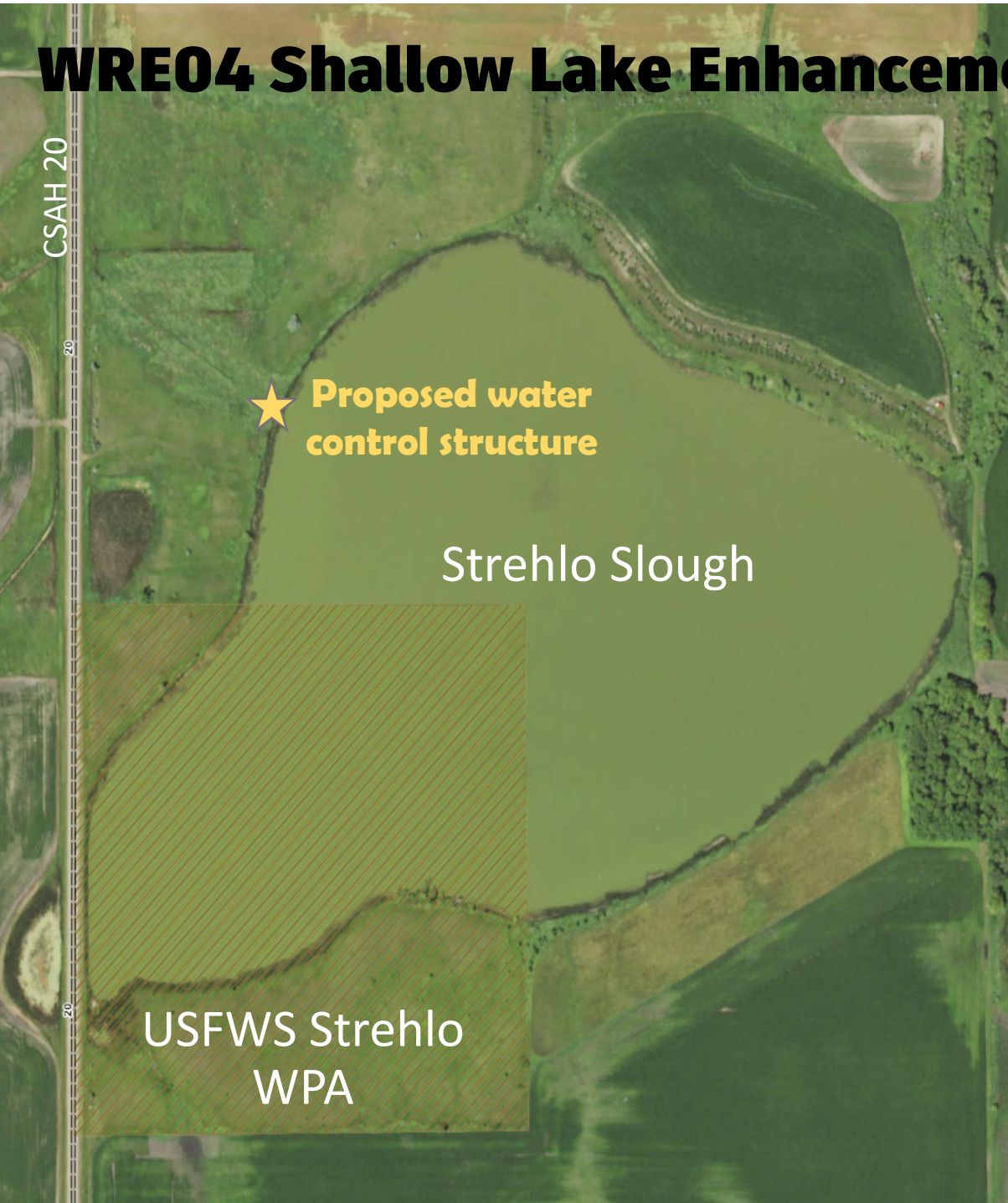


WRE04 Shallow Lake Enhancement



Proposed water control structure

Drawdowns enable

- Rough fish kills
- Bottom sediments to consolidate
- Emergent plants grow from existing seedbank

When water returns to the shallow lake

- New rooted aquatic vegetation grows & becomes established and holds the bottom sediments
- Emergent plants reduce wave action on shoreline and road embankments
- Increases habitat for aquatic invertebrates
- Give food source for waterfowl and other birds
- Decreased nutrients and increased invertebrate population decreases algae
- Clean clear water full of life is the result



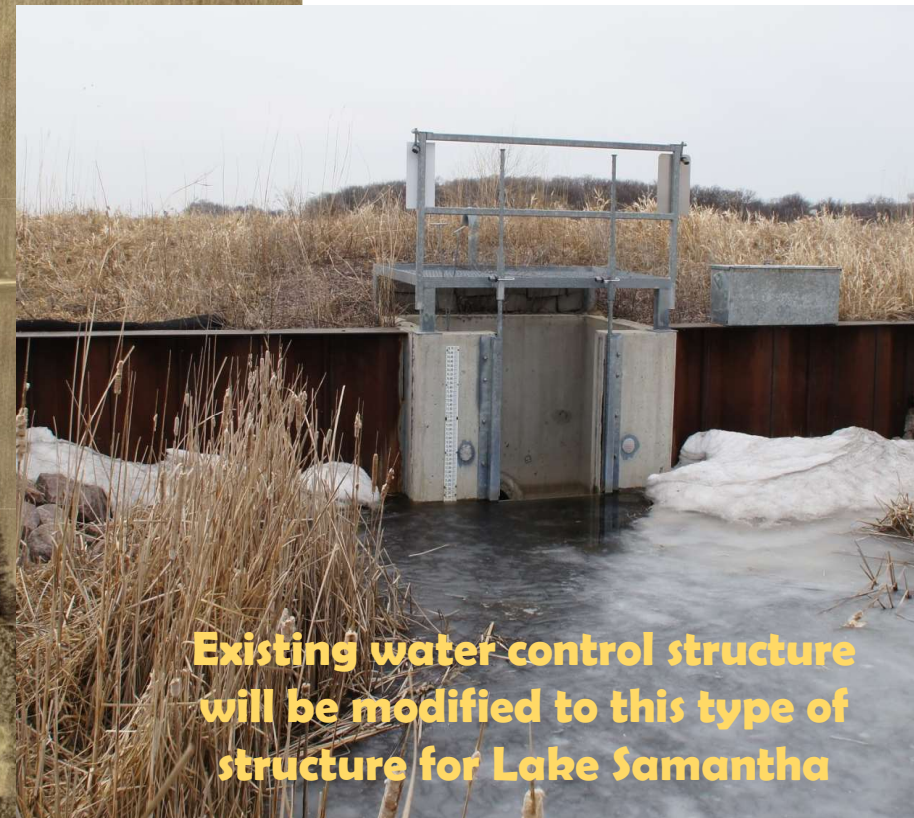
Lake Samantha

★ **Proposed water control structure**

★ **Water control structure and pipeline installed in 2020, at a cost of approximately \$280,000. This will be modified to allow drawdown capabilities**

Elbow Lake

Elbow Lake has no impact on County infrastructure, but would be a refuge for fish to recolonize Lake Samantha if both lakes were not drawn down at the same time. Also builds a local habitat complex.



Existing water control structure will be modified to this type of structure for Lake Samantha