



**Type of Meeting:** Shell Rock and Winnebago One Watershed, One Plan Steering Committee

**Date:** October 27th, 2020

**Time:** 1:00pm to 4:00pm

**Location:** Zoom Meeting

**Facilitator:** Paul Marston

**Attending:** Rachel Wehner, Brenda Lageson, Andy Henschel, Courtney Phillips, Shaina Keseley, Dalton Syverson, Dave Copeland, Steve Jahnke, and Chad Billet.

**Agenda:**

1. Introduction

- Paul opened up going step by step what today's meeting will be about. Paul review the previous comments and went over costs to see if they are realistic or what is possible and to make any adjustments needed based on our comments. Water storage and water quality scenarios are the main outcomes for today. Initial measureable goals and costs targets are also outcomes for today.

2. Implementation Table

- Water storage
  - a. Paul explained how did he get these. He took the acres in the scenario application spreadsheet tool along with feedback and tweaked the implementation level. He then used that area to run in the HSPF model and the water storage that was attributed to those tables. The results from the spreadsheet/ model are how the restored wetland came to be. Dave asked if there a map that can spatially represent the areas. Paul stated it's not going to be specific location on farm, but poly sub ID. Excludes what upstream of the area so they are unique and not double dipping.
  - b. Soil health practice were developed using areas for the scenarios spreadsheet approach that was outlined of what Dave provided on BWSR's discussion. Paul focused on ones that are implemented in the future as part of this plan. So added on to existing level. Cover crops and no till are being applied to that area. The total storage gained. Paul explained the process of how he got these numbers. Water quality is build working backwards, this one was built moving forward.
  - c. Clarified the acres of wetland restored to the acre-ft per year to the group

- Water quality scenarios.
  - a) There are a few different sources gathered, the load reduction which is the spreadsheet scenarios also used SAM with HSPF. For that Paul looked at the lakes and developed an initial 10 year TP load reduction goal as a starting point to develop reduction costs. Really he was looking at Fountain, Albert Lea and Bear lake. Existing data used TMDL, he used LPSS for other sites. Started with a 5% reduction based on current loading to the lakes.
  - b) Andy asked about a few water monitoring locations. Paul will look into it. The 5% does not have location with it. Then looked Fountain Lake, Albert Lea Lake and Bear Lake. Why not Pickerel instead of Bear.
  - c) Talked about what went into the SAM scenarios and the spreadsheet scenarios.
  - d) Courtney asked about the Fountain Lake project and the city MS4. What happens if they are unrealistic they are. Then biggest bang for your buck projects, landowner support. Dave – look at the costs and see what we can do and what is realistic and if it passes the sniff test. Steve – shows more benefits upstream vs what's in town. Steve there are opportunities that come up, leave in but should not emphasis.

### 3. Next Steps

- Paul is going to capture who has the expertise in what.
- Asked the watershed in getting summary of baseline acres, SWCD can try and do the same. Watershed District and SWCD are going to be doing the larger majority of projects.
- Next Meeting November 10<sup>th</sup> at 1:00pm