



Shell Rock River WMC Meeting

July 6, 2023



Presentation Overview

Planning Process Updates

Assess Plan Review Process

Finalize and Adopt Goals

Guest Speaker: Neil Shaffer, Howard
County SWCD Watershed Coordinator

Input on Implementation Strategy

Questions, Next Steps, and Homework



Planning Process Update



Project Schedule



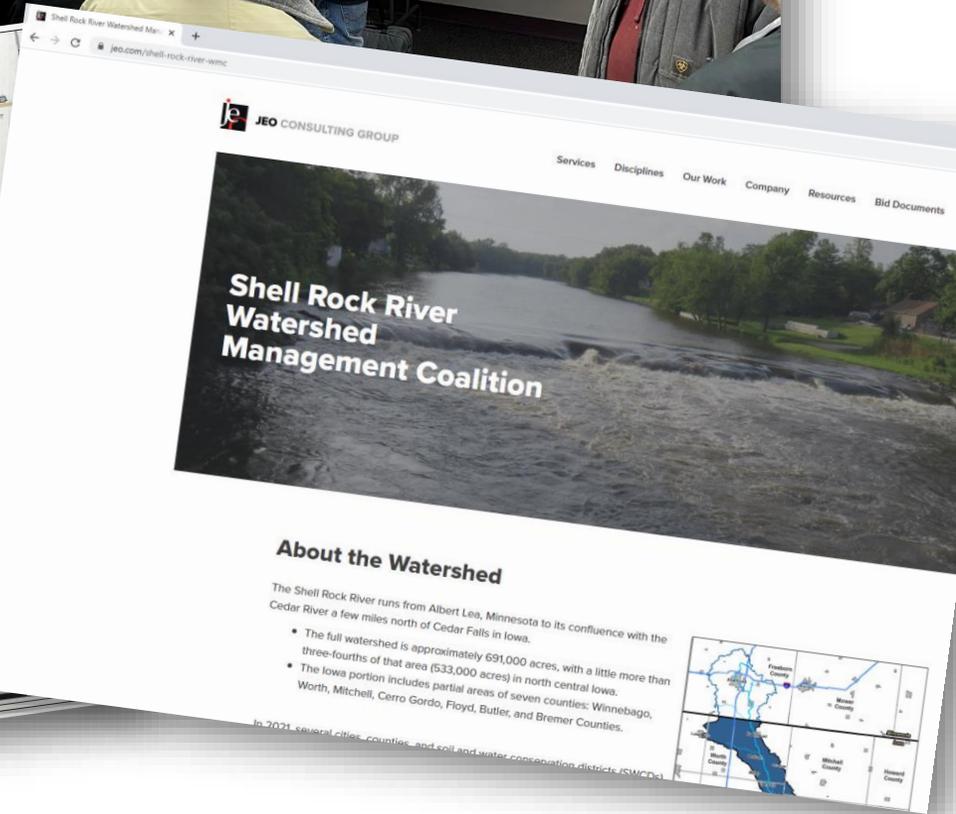
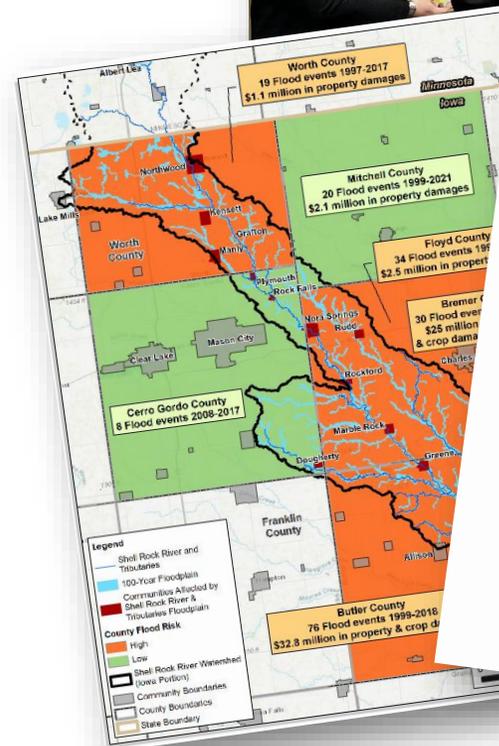
Overview of Recent Work

Gathering worksheets

Compiling and analyzing data

Drafting of chapters

Thank you for your feedback to-date!



Status of Watershed Plan Document

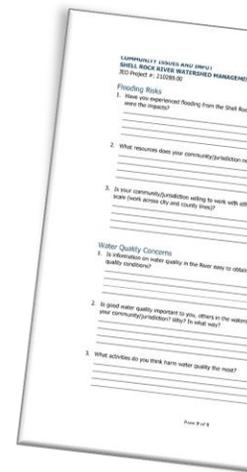
Chapter	Status
Executive Summary	Last item to be completed
Chapter 1 – Introduction	<i>Under Review</i>
Chapter 2 – Watershed Inventory	<i>Under Review</i>
Chapter 3 – Current Conditions	Drafting
Chapter 4 – Goals	<i>Under Review</i>
Chapter 5 – Implementation Strategy	Drafting
Chapter 6 – Education Plan	Drafting
Chapter 7 – Action Plan	Drafting
Chapter 8 – Funding	TBD
<i>Appendices</i>	<i>TBD</i>

Considering splitting into multiple chapters:

1. *Flooding*
2. *Water Quality*
3. *Recreation*

Homework Status (Worksheets)

- 10 of 16 members have completed
- 2 of 11 non-members have completed



Jurisdiction	WMC Member	Worksheet?
Cities		
Allison	No	Not Received
Clarksville	No	Not Received
Dougherty	No	Not Received
Grafton	No	Received
Greene	No	Received - 2 entities
Kensett	No	Not Received
Manly	No	Not Received
Marble Rock	No	Not Received
Nora Springs	Yes	Not Received
Northwood	Yes	Received
Plymouth	Yes	Not Received
Rock Falls	No	Not Received
Rockford	No	Not Received
Rudd	No	Not Received
Shell Rock	Yes	Received - 2 entities
Counties		
Bremer	Yes	Received - w/SWCD
Butler	Yes	Received
Cerro Gordo	Yes	Received
Floyd	Yes	Received
Mitchell	Yes	Not Received
Worth	Yes	Received
SWCDs		
Bremer County SWCD	Yes	Received - w/county
Butler County SWCD	Yes	Not Received
Cerro Gordo County SWCD	Yes	Not Received
Floyd County SWCD	Yes	Received
Mitchell County SWCD	Yes	Not Received
Worth County SWCD	Yes	Received

Today's Big Question

How will the Coalition work together?

- Are your priorities different than the Coalitions? Where do they align?
- What do you need to get out of the plan?
- What are the first steps for the Coalition after completing the plan?
- What can you learn from others on this path?

COMMUNITY ISSUES AND INPUT
SHELL ROCK RIVER WATERSHED MANAGEMENT COALITION (SRRWMC)
JEO Project #: 210289.00



3. Is your community/jurisdiction willing to work with others to solve flooding at the watershed scale (work across city and county lines)?

YES. WE WILL WORK WITH WHOEVER NECESSARY FOR THE GOOD OF THE WATERSHED

3. Is your community/jurisdiction willing to work with others to solve flooding at the watershed scale (work across city and county lines)?

Yes

3. Is your community/jurisdiction willing to work with others to solve flooding at the watershed scale (work across city and county lines)?

I would think so. That's a tough question.

Assess Plan Review Process



Plan Review Process

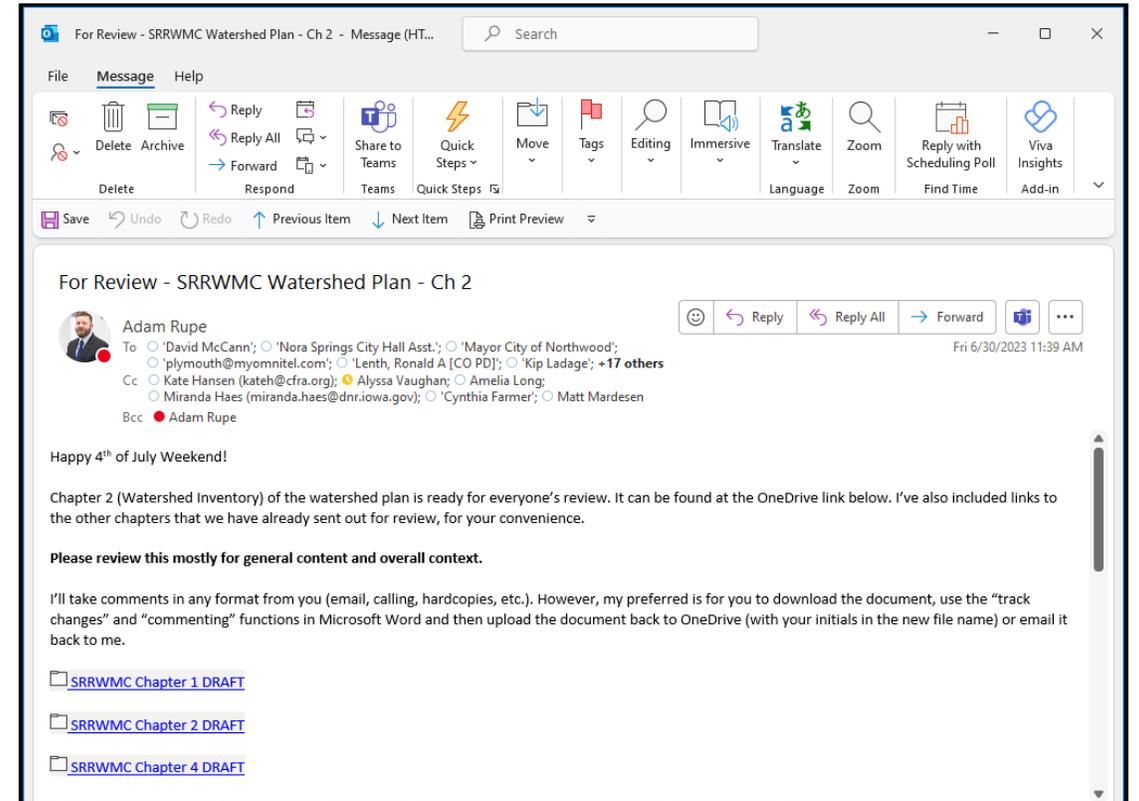


- ✓ Iterative review process – edits incorporated into future drafts
- ✓ More manageable review process (verses review of 1 big document)
- ✓ Progress can be tracked

Plan Review Check-In

Is everyone receiving emails?

- Ch 1
- Ch 4
- Ch 1, 2, and 4

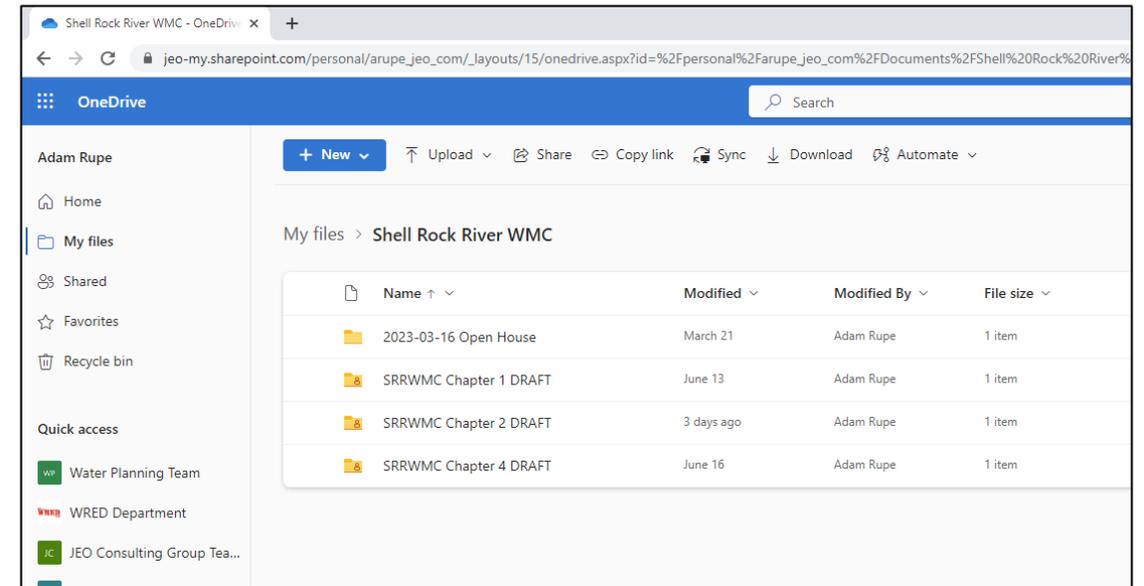


Files Shared Online

Access via Microsoft OneDrive

Link to each chapter emailed

Are there any issues with access?

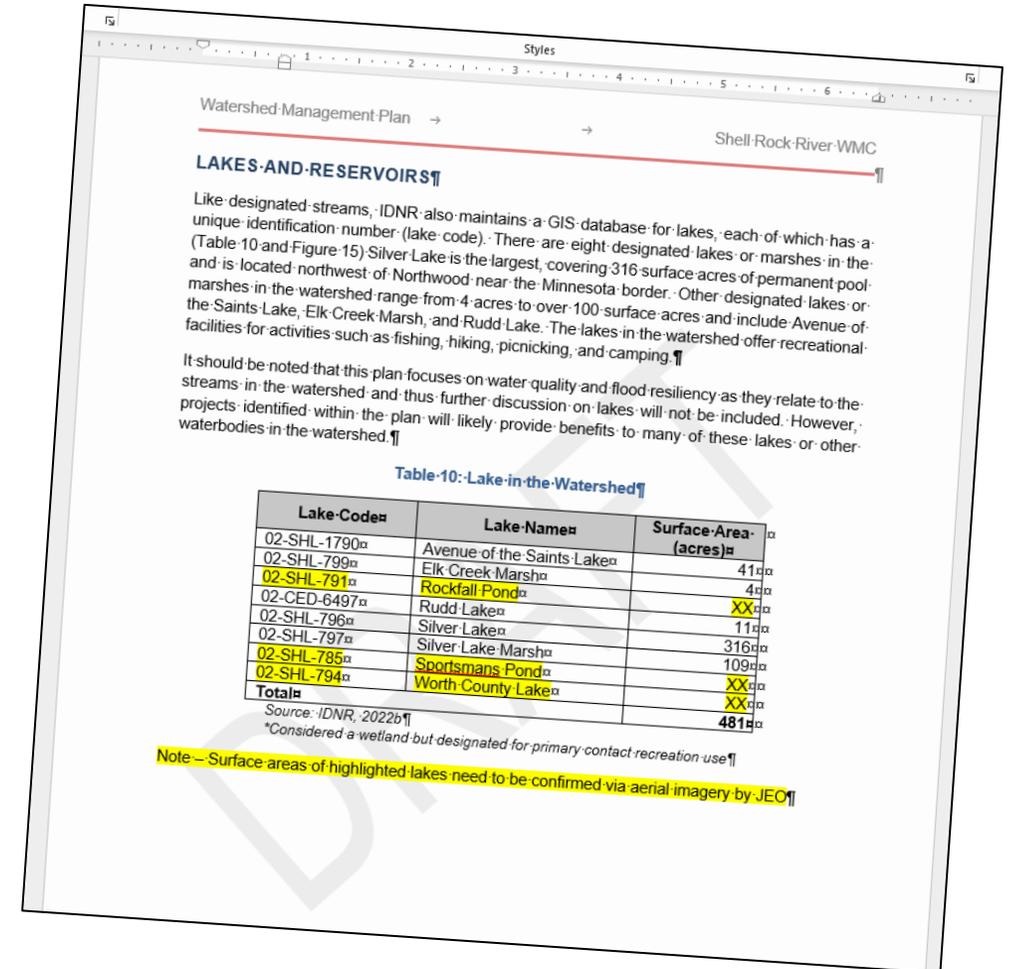


The screenshot shows a web browser window displaying the OneDrive interface. The address bar shows the URL: jeo-my.sharepoint.com/personal/arupe_jeo_com/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Farupe_jeo_com%2FDocuments%2FShell%20Rock%20River%20WMC%2F2023-03-16%20Open%20House%20DRAFT. The interface shows the user's name 'Adam Rupe' and a search bar. The left sidebar contains navigation options: Home, My files, Shared, Favorites, Recycle bin, and Quick access. The main area displays the 'My files' view for the 'Shell Rock River WMC' folder, containing a table of files.

Name	Modified	Modified By	File size
2023-03-16 Open House	March 21	Adam Rupe	1 item
SRRWMC Chapter 1 DRAFT	June 13	Adam Rupe	1 item
SRRWMC Chapter 2 DRAFT	3 days ago	Adam Rupe	1 item
SRRWMC Chapter 4 DRAFT	June 16	Adam Rupe	1 item

Reviewer Notes

- ✓ Formatting, spacing, figure numbers, etc. will be finalized in full draft
- ✓ Grammatical review will be completed in full draft, before public draft
- ✓ **Highlighted text** = question or note for you
- ✓ “Tracked changes” preferred method of receiving comments, but will accept any format
- ✓ Please focus your review on general content and overall context:
 - ✓ Does this make sense to you?
 - ✓ Is this what you are expecting?
 - ✓ Is this what SRRWMC needs?
- ✓ Any initial questions/comments today?



Finalize and Adopt Goals



Goal Setting within the Plan



Goals for Adoption

See Chapter 4

- **Mission Statement:** To assess and reduce flooding risks; repair, improve, and enhance the quality, appearance and recreational use of the Shell Rock River Watershed by encouraging municipal, public and private support and participation through education, conservation practices, and volunteering.
- **Goal 1:** Flood resiliency will be improved at the individual, community, and watershed level to prevent loss of life, reduce property losses, and avoid damage to infrastructure.
- **Goal 2:** Improve water quality to support all uses and ensure it meets state standards and goals.
- **Goal 3:** Utilize recreation on the river to enhance local communities and connect the public with the watershed.
- **Goal 4:** Create an informed, educated, and passionate public that works towards improving watershed management.

Ready to be adopted?

Goal 1 (Flooding) – draft objectives

Goal 1

Flood resiliency will be improved at the individual, community, and watershed level to prevent loss of life, reduce property losses, and avoid damage to infrastructure.

Objective 1.1

Complete a study to better understand flood risks and identify specific mitigation actions by the end of 2027.

Objective 1.2

Integrate the watershed plan with each local county hazard mitigation plan by the end of 2024.

Any initial feedback on draft objectives?

Goal 2 (Water Quality) – draft objectives

Goal 2

Improve water quality to support all uses and ensure it meets state standards and goals.

Objective 1.1

Reduce annual median nitrate levels by 41%, from 4.95 mg/L to 2.92 mg/L, by 2035, based on the Iowa Nutrient Reduction Strategy, through soil health, fertilizer, and drainage management practices.

Objective 1.2

Reduce annual median total phosphorus levels by 29%, from 0.17 mg/L to 0.12 mg/L, by 2035, based on the Iowa Nutrient Reduction Strategy, through erosion and manure management practices.

Objective 1.3

Maintain or reduce current annual levels of sediment loading* to streams by 10% from 28.0 mg/L to 25.2 mg/L, through reducing field and stream erosion.

**Sediment loading rates currently measured by TSS sampling*

Objective 1.4

Reduce *E. coli* bacteria loads by 12% to ensure the seasonal geometric mean is maintained below 126 organisms/100mL, and to reduce the number of samples exceeding 235 organisms/100mL, through manure management practices.

Objective 1.5

By the end of 2024, expand water quality sampling throughout the watershed, by adding 4 sites at county lines.

Any initial feedback on draft objectives?

Goal 3 (Recreation) – draft objectives

Goal 3

Utilize recreation on the river to enhance local communities and connect the public with the watershed.

Objective 3.1

Complete a Water Trail Plan by the end of 2027.

Objective 3.2

Install signage about the watershed and related educational information at each river access point by 2028.

Objective 3.3

Install stream name signs at major road crossings for tributaries within the watershed by the end of 2024.

Objective 3.4

Hold an annual “Shell Rock River Rock Fest” or other similar river focused event, to bring awareness, beginning in 2025.

Any initial feedback on draft objectives?

Goal 4 (Education) – draft objectives

Goal 4

Create an informed, educated, and passionate public that works towards improving watershed management.

Objective 4.1

Expand the coalition membership to all eligible cities, counties, and SWCDs by the end of 2024, utilizing a strategy that shows how each community is affected by, or affects, the Shell Rock River.

Objective 4.2

By the end of 2025, develop materials and begin implementing a strategy to educate the public on water quality conditions and where that data can be accessed.

Objective 4.3

By the end of 2025, hold at least one outreach and education event in each county per year through partnerships with surrounding WMAs and other partners.

Objective 4.4

Form an education and outreach committee by the end of 2024. This committee will work with partners to implement the education plan and action items.

Any initial feedback on draft objectives?

Next Steps on Goals

- ~~1. Update, based on today's feedback – send out for review~~
- ~~2. Review and/or adopt at next meeting~~
3. Continue to develop and identify:
 1. Objectives/indicators
 2. Strategies/BMPs
 3. Action Items/projects
4. Ensure goals are SMART

S 	SPECIFIC A defined end point or target.
M 	MEASURABLE Attach numbers and timelines to the goal.
A 	ACHIEVABLE Based on existing figures and research, is it achievable?
R 	RELEVANT Is this goal in line with the vision?
T 	TIME LIMITED The goal must be measurable over a period of time.



Guest Speaker



Neil Shaffer

Watershed
Coordinator

Howard County
SWCD





Next Steps



Next Steps

Next meeting agenda (tentative)

- Highlights from Chapters 5-7
- Review draft executive summary poster and getting started page
- Prep for public open house meeting
- **Working session:** Finalize draft implementation strategies
- **Learning moment:** *Any requests?*

Homework Reminder

- Review draft chapters by *July 31*
- Newspaper clippings requested
- Watershed pictures requested

Thank You!!



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