6. Recorder, please work with your group to complete all parts of this worksheet. Please write clearly and legibly. Important: You are free to take additional time to complete this worksheet. Turn in to Mike & Alison by Friday, April 5.

A. List your project category and all members of your group.

Project category		
Recorder	GW RECHARGE	
	NICK BOWER	
Additional group members	JEREMY BALOUTER	
	MANNE GRIFFING	

B. Projects recommended for initial exploration by the stakeholder group

1	Projects recommended for initial exploration by the group	Why you are recommending this project Physical ac Reserved	Anything else it would be helpful to understand about this project
	ODAWA GOLF COURSE - STORMWATER TREATMENT & INJECTION INTO DEATIN FIELDS	BEEN DONG BEFORE	STEVE GAFFICED CAIG STUDY
2	SW INFILTENTION ON INGIT RECEIPTEDE SOILS - REALTARGE MAR + BMC WATERSILLO OVERLAY	IDENTIPY LOCATIONS FOR LCCILAREGE PRACTICES	- LAND OWN GREATP/CONTROL - DEVENDPMENT RAACTIC PATTERNS V& HIGH RECHARGE AREAS
3	GOOSE LAKE DRAIN TILE	PROVINC BASETION IF THERMAN CAN BE MITIGHATZO	- THERMAR CONTROL OPTIONS - CONSTRUCTABILY (DEPTH CONSTRUCTABILY (DEPTH CONSTRUCTABILY (DEPTH CONSTRUCTABILY (DEPTH

C. Topics and resources recommended to help select projects

	What would you like to learn or share with the group that would help to refine and select projects within this project category?	Can you recommend any speakers, research or other resources related to this question?	If this is related to a specific project above, please list that project here
1	VOLUMETRIC IMPACT OF ANY PRACTICE PUT IN PLACE - HOW TO QUANTIPY NET BENEFIT (C.g. WHAT : OF RECHARGE RESULTIN BASEFICA)	WGNHS STEVE GAFFIELD/EOR GREG FRIES/JAKEMY BATOWEK	
2	TIME FOR RUNDEF RECITARGE TO BECOME BADEFRON IN BMC - AND CONJIDERATIONS OF ACQUIFERS(UPPER) LOWER)	WGNHS	
3	THE TOTAL WATER BUDGET		

Recorder, please capture your group's recommendations clearly, concisely and legibly. Turn in completed sheet to Mike and Alison on behalf of your group by Friday, April 5.

Project Idea Generation Worksheet

Badger Mill Creek Stakeholder Group March 2024

1. Sit by the Project Category that you wish to work on developing

Project categories that rose to the top in our February straw poll include the following. You are free to work on another project category if that is a higher priority for your organization. Example projects are shared for project categories where we thought that might be helpful to start the brainstorming.

Project categories	Project Examples
Project categories Baseflow augmentation (280 points/25%)	 Project Examples Look the supply side of shallow ground water by review of HICAP wells in the area if there are sufficient number and draws from the shallow aquifer - look to modification of existing wells to draw from deeper aquifer instead of shallow aquifer – most likely that would be done by connection to municipal water supply. This would require a look at Fitchburg and Verona policies regarding providing public water to properties that are not in their jurisdiction. Work with the Fitchburg project at Goose lake to lower the water levels in Goose Lake via drain tile to under lands adjacent to the lake and drain the "filtered" water to UBMC Construct an infiltration basin near goose lake – pump goose lake water into the infiltration field and nearby install a well in the shallow aquifer to pump water to UBMC during specific drought events. Look at potentially installing a deep water aquifer well and augmenting UBMC during drought conditions similar to the system used for the
Groundwater recharge (195 points/18%)	 COGEN plant. Stormwater infiltration at (<u>location</u>) – noted above – to be paired with a
Watershed management plan (125 points/11%)	• Contract with UW Water Resources Management practicum (or another organization) to develop a comprehensive watershed management plan for the Badger Mill Creek watershed

	 Review of the "predevelopment" baseflow to the UBMC by completing simulations with the DC Groundwater model and rolling the watershed back in time to see what the "historic" amount of baseflow was.
Wetland restoration	
(115 points/10%)	
Shoreland buffers	
(85 points/8%)	
Bank restoration/ stabilization (75 points/7%)	Dane County project presentation

2. On your own. Take a few minutes on your own to generate potential project ideas. Use the space below for notes.

Physical projects	
Research projects	

- 3. At your table, appoint a facilitator/timekeeper and a recorder. Your facilitator/ timekeeper is responsible for ensuring you hear from everyone. Your recorder is responsible for capturing group decisions on the next page.
- 4. **Round robin. Go around your table and each share one idea** without elaboration. Keep going around until everyone has shared all their ideas. Use the space below to take notes for yourself if desired.
- 5. **Discuss as a table.** Use the space below to take notes for yourself if desired.
 - a. Which projects would you like to put forward for initial exploration by the group? Why?

b. What would you like to learn or share with the group that would help to refine and select projects within this project category? Can you recommend any speakers, research or other resources? 6. **Recorder, please work with your group to complete all parts of this worksheet.** *Please write clearly and legibly.* Important: You are free to take additional time to complete this worksheet. **Turn in to Mike & Alison by Friday, April 5.**

Project category	Baseflow augmentation
Recorder	Brian Christian, Friends of BMC Environmental Corridor
Additional group members	Ben Schulte, City of Fitchburg Greg Fries, City of Madison Kathy Lake, Madison Metropolitan Sewerage District Topf Wells, Trout Unlimited Southern Wisconsin Chapter David Rowe, WDNR

A. List your project category and all members of your group.

B. Projects recommended for initial exploration by the stakeholder group

	Projects recommended for initial exploration by the group	Why you are recommending this project	Anything else it would be helpful to understand about this project
1	Periodic pumping of Goose Lake surface water to adjacent location that would enable infiltration and groundwater discharge to BMC		Does groundwater pumping in the shallow aquifer also reduce discharge?
	Pumping of groundwater from well in shallow aquifer to reduce Goose Lake level. Discharge directly to BMC		
2	Construct channel(s) from Goose Lake to adjacent location that would enable infiltration and groundwater discharge to BMC		How will channel affect the natural pond southwest of Goose Lake ?
	Place drain tile near Goose Lake (including area to North near quarry pond). Discharge directly to BMC		
3	Determine water use and surface water		

pla eva use	nagement plans for the nned SSM clinic to Iluate how this may be ed to benefit BMC sbit pond idea	
dra aqu pot bas the	ntify private wells that w from the shallow uifer and have the cential to reduce BMC seflow. Substitute se with municipal ter source.	
exp the sur hyd of t res BM pro wel	ntract with outside perts to characterize groundwater and face water frogeology/infiltration he project area with pect to impacts on C baseflow. Include ject-specific needs (eg Il impact) as blicable.	
rec adja me inci Que spri PB	estionIs onnecting BMC to acent wetlands (eg re- andering channel) a aningful way to rease baseflow? estionCan the large ing complex near the park & ride be tapped augment flow?	
dep furt hyd Ass	agreed most ideas are bendent on obtaining ther information on site frogeologic conditions. sume this need is vered by Topf's idea.	

C. Topics and resources recommended to help select projects

	What would you like to learn or share with the group that would help to refine and select projects within this project category?	Can you recommend any speakers, research or other resources related to this question?	If this is related to a specific project above, please list that project here
1	Water budget for shallow aquifer including: surface waters losses (BMC), withdrawals (wells), infiltration, and movement between deep and shallow aquifer. can we model groundwater elevations and surface flows to represent predevelopment and current conditions?	Wisconsin Geological and natural History survey hydrogeologist Mike Parsen <u>Dane County</u> groundwater model – WGNHS – UW–Madison (wisc.edu) Matt Diebel? USGS	Several of the above projects
2			
3			

Recorder, please capture your group's recommendations clearly, concisely and legibly. **Turn in completed sheet to Mike and Alison on behalf of your group by Friday, April 5.**

Project Idea Generation Worksheet

Badger Mill Creek Stakeholder Group

March 2024

1. Sit by the Project Category that you wish to work on developing

Project categories that rose to the top in our February straw poll include the following. You are free to work on another project category if that is a higher priority for your organization. Example projects are shared for project categories where we thought that might be helpful to start the brainstorming.

Project categories	Project Examples
Baseflow augmentation	Modification of existing wells to draw from
Dasenow augmentation	deeper aquifer instead of shallow aquifer
(280 points/25%)	Drain tile to lower water levels at Goose lake
Groundwater recharge	Stormwater infiltration at (<u>location</u>)
(195 points/18%)	
Watershed management plan	Contract with UW Water Resources Management practicum (or another organization)
(125 points/11%)	to develop a comprehensive watershed management plan for the Badger Mill Creek watershed
Wetland restoration	
(115 points/10%)	
Shoreland buffers	
(85 points/8%)	
Bank restoration/ stabilization (75 points/7%)	 Dane County project presentation

2. On your own. Take a few minutes on your own to generate potential project ideas. Use the space below for notes.

Physical projects	
Research projects	

3. At your table, appoint a facilitator/timekeeper and a recorder. Your facilitator/ timekeeper is responsible for ensuring you hear from everyone. Your recorder is responsible for capturing group decisions on the next page.

4. **Round robin. Go around your table and each share one idea** without elaboration. Keep going around until everyone has shared all their ideas. Use the space below to take notes for yourself if desired.

5. **Discuss as a table.** Use the space below to take notes for yourself if desired.

a. Which projects would you like to put forward for initial exploration by the group? Why?

Develop a comprehensive management plan seems a logical next step that also could/would include priorities #1 and #2, base flow augmentation amd groundwater recharge respectively.

b. What would you like to learn or share with the group that would help to refine and select projects within this project category? Can you recommend any speakers, research or other resources?

Specific projects could all come out of the Watershed Management Plan (WMP).

Studies/Research Projects ideas that would support WMP.

• Asset inventories (species other than fish, recreational amenities, etc.) – could get community participation with inventories

- · Comprehensive set of mapping
- Community input goal to increase public awareness and buy-in.
- Modeling (climate variability, urban development, economic shifts)
- · How could community types be affected by projects?
- Issues assessment

Need to include existing amenities and community assets as well as future assets like educational information.

DNR Comprehensive Planning Grant could set projects up for long-term implementation funding.

6. **Recorder, please work with your group to complete all parts of this worksheet**. *Please write clearly and legibly.* Important: You are free to take additional time to complete this worksheet. **Turn in to Mike & Alison by Friday, April 5**.

A. List your project category and all members of your group.

Project category	Watershed Management Plan	
Recorder	Melissa Michaud	
Additional group	Joleen Stinson	
members	Robert Bohanan	

B. Projects recommended for initial exploration by the stakeholder group

	Projects recommended for initial exploration by the group	Why you are recommending this project	Anything else it would be helpful to understand about this project
1	Design studies to create an inventory of assets (biological, hydrological, infrastructure (eg. Ice Age Trail, Dane Co trails, past restoration efforts), volunteer groups, existing maps and data.	Provide data to make informed decisions both short-term and long-term	
2	Community needs assessments	Generate community awareness, buy-in and support. Gain an understanding of the community's watershed priorities across jurisdictional boundaries. (Most planning efforts are within these boundaries, not at a watershed level)	

3	Watershed Management Plan would provide support to help guide and coordinate partnerships across government agencies, municipalities, friends and neighborhood groups, businesses and educational institutions and groups	A watershed management plan could help mobilize support for a broad range of goals and activities across potential disparate groups	
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C. Topics and resources recommended to help select projects

What would you like to learn or share with the group that would help to refine and select projects within this project category?	Can you recommend any speakers, research or other resources related to this question?	If this is related to a specific project above, please list that project here
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1	Existing inventories of assets, as described above, in a single or relational database including maps	May need presenters from various agencies or discuss who could gather data and present it. Don't have a specific recommendation at this time.	B.1	
2				

Recorder, please capture your group's recommendations clearly, concisely and legibly. **Turn in completed sheet to Mike and Alison on behalf of your group by Friday, April 5.**