



Parks and Recreation Board Agenda
Wednesday, March 9, 2016 – 7:00 pm
 Cravath Lakefront Conference Room
 2nd Floor, Whitewater Municipal Building
 312 W. Whitewater St. Whitewater, WI 53190

Call to Order and Roll Call

Consent Agenda:

CA-A	Approval of Parks and Recreation Board minutes of February 10, 2016
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Staff Reports:

Parks & Recreation Director	Introduction of Athletic Program Coordinator, Brian de la Torriente; Open Positions Update; Improvement Project Update
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Hearing of Citizen Comments:

No formal action will be taken during this meeting, although issues raised may become part of a future agenda. Participants are allotted a 3 minute speaking period. Specific items listed on the agenda may not be discussed at this time; however, citizens are invited to speak to those issues as designated in the agenda.

Considerations:

C-1	Discussion and possible action related to the Urban Forestry Commission's plan to create a butterfly garden at Clay Street Nature Park
C-2	Discussion and possible action related to the purchase of outdoor fitness equipment from Lee Recreation
C-3	Approval of contract with Midwest Aquatics for 2016 lake harvesting
C-4	Discussion and possible action related to a feasibility study on dredging Cravath & Trippe lakes
C-5	Request for future agenda items
C-6	Adjourn

**City of Whitewater
Parks and Recreation Board
Draft Minutes**

Wednesday, February 10, 2016 – 7:00 pm

Community Room – 1st Floor, Whitewater Municipal Building
312 W. Whitewater St. Whitewater, WI 53190

Call to Order and Roll Call

Bruce Parker, Nate Jaeger, Jen Kaina (7:02), Ken Kidd, Brandon Knedler, Rachel Deporter (7:09) and Kori Oberle. Absent: None.

Staff: Matt Amundson, Deb Weberpal

Guests: Karen Coburn, UFC; Larry Kachel

Consent Agenda:

Approval of Parks and Recreation Board minutes of January 12, 2016 and receipt and acknowledgement of Urban Forestry Commission minutes of November 11, 2015.

No items to be removed from consent agenda. Jaeger moved to accept the consent agenda. Second by Kidd. Ayes: Bruce Parker, Nate Jaeger, Ken Kidd, Brandon Knedler and Kori Oberle. Noes: None.

Abstain: None. Absent: Rachel Deporter and Jen Kaina.

Hearing of Citizen Comments:

No formal action will be taken during this meeting, although issues raised may become part of a future agenda. Participants are allotted a 3 minute speaking period. Specific items listed on the agenda may not be discussed at this time; however, citizens are invited to speak to those issues as designated in the agenda.

There were no citizen comments

Staff Reports:

Parks & Recreation Director – Open Positions and Recruitment Update

The Athletic Program Coordinator received a total of 68 applicants. A total of 12 phone interviews were conducted with 4 finalists receiving a tour and panel interview. Position has been offered to top choice. The Facility Maintenance position currently has 17 applications and closes February 14. The Aquatic Center position currently has 20 applications and closes February 21.

Considerations:

Presentation by Urban Forestry Commission on 2015 activities

Karen Coburn reported on the 2015 activities which included: turning in criteria for Bird City status, displays at the ILY library, Native Seed Library, High School Biology class tour of the Effigy Mounds, Birds of Whitewater presentation, participated in the Downtown celebration, installed a swift tower at Cravath Lakefront Park, did a Park Bench interview, working with the Plan Board on landscape plans, formed ad hoc committees for a tree survey and a butterfly garden. They plan to look at Minneiska Park this month. The Parks and Recreation Board's (PRB) direction to the UFC is to plan for park plantings starting with Minneiska Park in 2016. Check with Chuck Nass which quadrant will be planted in 2017 and start looking at and planning for 2017 planting this year.

Discussion and possible action related to a butterfly and pollinator garden located at the Clay Street Nature Park (UFC request)

The PRB would like to see a trial garden by the park sign by the sidewalk. There is a possibility of doing this in other parks. THE UFC is to bring official plans to the next PRB meeting for PRB approval.

Presentation of Summer & Fall recreation program financial report

Amundson referred to the packet and explained how the new fund works and how monies are transferred within the city. He explained recovery numbers. Funds generated by Treyton's Field of Dreams are placed into a special account for turf replacement. Amundson will be working with Finance to produce a monthly financial report to be reviewed by the Parks & Recreation Board generated for Funds 246 (Treyton's), 248 (Recreation) and 249 (Aquatic & Fitness).

Discussion and direction related to timeline related to Whitewater Aquatic Center

Amundson referred to the timeline and explained the schedule. There was discussion of addition of the additional board members, hiring at the Aquatic Center, and branding. Amundson asked for input from the board on the timeline and other subjects discussed.

Request for future agenda items

Minneiska plans

Adjourn

Parker moved to adjourn at 8:45 pm. Second by Deporter. Ayes: Bruce Parker, Ken Kidd, Brandon Knedler, Nate Jaeger, Rachel Deporter, Jen Kaina and Kori Oberle. Noes: None. Abstain: None. Absent: None

Next scheduled meeting: Wednesday March 9 at 7:00 pm

Respectfully submitted,



Debra Weberpal

Outdoor Fitness Equipment

I am recommending we go with Lee Recreation/Paris. They have the most comprehensive equipment for our budget. Commercial Recreation Specialists/Xcentnt is slightly under Lee but they are missing two pieces of equipment, lat pull and bike. The Paris line of equipment is spartan (all metal) but very useable. The Xcentnt line is streamlined, but lacks some pieces of equipment. Both have good warranties with Xcentnt being slightly better than Paris.

Both Minnesota/Wisconsin Playground and Bollands were over our budget by \$2400 and \$4200 respectively. These costs do not include surfacing.

There is no ADA option for the equipment, as the cost would put us grossly over budget and there are only two pieces of upper body equipment that are available.

Lee/Paris is slightly over our budget of 20,000 but I am applying to the Community Foundation for \$2000 and Seniors in the Park will donate \$2000 toward the equipment and installation.

Equipment		Unit Price	Install Cost
Lee	Roller fit air strider	2988	600
	lat pull/chest press combo	3960	700
Lee	Leg Press dbl	2890	500
Lee	Recumbent Bike	1500	300
Lee	Rowing Machine	1725	300
Lee	roller fit pendulum sgl	2090	425
	incline bench dbl	1545	300
Lee	Waist & ab stretcher	900	200
	sign - usage on each piece		
	freight included		
Total		17598	3325
			20923

Equipment		Unit Price	Install Cost
CRS	Elliptical	2900	750
CRS	ARM leg press combo sgl	2950	750
CRS	Lat pull	n/a	
CRS	Recumbent Bike	1655	750
CRS	Rowing Machine	n/a	
CRS	Hip Swing/ stretch	2025	750
CRS	knee raise/dip combo	2400	750
CRS	lower back trainer	975	750
CRS	Signage		350
CRS	freight- \$728	728	
Total		13633	4850
			18483



P

Upper & Lower Body Training



Lat Pull-Down
 78000044 (Single), 78000008 (2-Person)
 Strengthens upper back, shoulders, biceps, and core.



Pull-Up & Dip Station
 78000001
 Strengthens chest, shoulders, upper and mid-abs, forearms, and triceps.



Chest Press
 78000045 (Single), 78000009 (2-Person)
 Strengthens chest, shoulders, upper and mid-abs, forearms, and triceps.



Combo Lat Pull-Down & Chest Press
 78000047
 Two exercise stations in one.
 1. Strengthens back, rear shoulders, and biceps.
 2. Develops strength in the chest and shoulders.





Installation guide



All the tricks and tips for successful installation on Concrete pads



XCCENTFITNESS.COM





Midwest Aquatics, INC.

N105W14564 Wilson Dr, Germantown WI 53022
262-385-5874 midwestaquatics@sbcglobal.net



February 28, 2016

City of Whitewater
Parks and Recreation
312 W Whitewater
Whitewater, WI 53190

Attention: Matt Amundson, Director

2016 WEED HARVESTING PROPOSAL

The work will be performed by Midwest Aquatics, Inc. at Cravath and Trippe Lakes in Whitewater, WI, in June and late July or early August, 2016. The contractor will harvest the weeds, truck them to a nearby disposal site, provide a certificate of insurance, all equipment, and a log of hours on each harvester and loads of weeds removed.

The equipment provided will be a H6-300 Aquarius Harvester and a H6-600 Aquarius Harvester, a shore conveyor, and a dump truck.

The City of Whitewater Parks and Recreation (Whitewater) will provide access points for the shore conveyor, a suitable launch site, a nearby disposal area for weeds, and any required permits. Midwest Aquatics, Inc will contract for a minimum of \$15,000.00. The cost per hour for harvesting is \$150 per harvester. The fees will include the actual cutting of weeds, delivering them to shore, and trucking to a nearby disposal site. All travel time to and from the lake, and break time will be absorbed by Midwest Aquatics, Inc. 'Whitewater' will provide a site for cleaning the harvester after the project is done if needed. Additional time may be purchased upon mutual consent of Midwest Aquatics, Inc and 'Whitewater'.

A 25% (\$3750.00) deposit will be required with the signed contract. All contract dates are reserved on a first come first served basis with signed contracts only. Payment will be made within 15 days of the project completion. A 25% cancellation fee will be charged for any cancellations received after May 15, 2016.

The City of Whitewater Parks and Recreation find the above prices and conditions satisfactory and accepted. Midwest Aquatics, Inc is authorized to do the work as specified and payment shall be made as outlined above.

David Fetzer, Owner

Authorized Officials and Positions

Date Signed and Accepted

Date Signed and Accepted

Upon final decision please sign and return both contracts, a copy with both signatures will then be returned to you.



February 3, 2016

Cameron Clapper
City of Whitewater
312 West Whitewater
Whitewater, WI 53190

Application Score:10

Dear Mr. Clapper,

SUBJECT: Status of your Surface Water Grant application for Cravath & Trippe Lake Restoration

On December 10, 2015, the Wisconsin Department of Natural Resources (DNR) received applications for Lake Planning, River Planning and Aquatic Invasive Species Education, Prevention and Control grants. Applicants submitted 117 applications totaling over \$2.99 million. The decision-making process was a difficult one, with many worthwhile applications vying for limited grant funds. I regret to inform you that your application has not been selected.

The decision was based on the score of the application as determined through a careful evaluation of your application against the ranking criteria featured in the appendices of the Surface Water Grants Guidance. Applications went through an extensive review process that included the following steps:

- DNR Lake/River/AIS Coordinators and Environmental Grant Specialists screened application upon submission for eligibility
- At least three reviewers independently evaluated each eligible application against the published ranking criteria
- The results were compiled and a technical team discussed the proposals and the evaluations
- Final selections were made based on the compiled scores and technical team review

Your appeal rights appear at the bottom of this letter.

Thank you for your submission and your continued desire to protect and improve the surface waters of Wisconsin. We appreciate the tremendous effort that went into the preparation of your proposal. If you are interested in future grant funding, contact your regional DNR Lake/River/AIS Coordinator to discuss opportunities to improve or protect your lake, river, or wetland.

Sincerely,

Kathleen M. Hanson, Grant Manager
Surface Water Grants
Bureau of Community Financial Assistance
Phone: 608-266-9426
Kathleen.Hanson@wisconsin.gov

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to section 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review.

Notice: Use of this form is required by the Department of Natural Resources for any application filed pursuant to chs. NR 190, 191, 195 & 198, Wis. Adm. Code. Personal Information collected on this form, will be used for administrative purpose and may be provided to requesters to the extent required by Wisconsin's Open Records Laws [ss. 19.31 – 19.39 Wis. Stats.] To be considered, applications must either be submitted electronically by the December 10th or February 1st due date or paper applications must be postmarked no later than by the December 10th or February 1st due date.

Section 1: Application Type (check one)

Application Deadlines:

DECEMBER 10

Lake Management Planning Grant:

- Large Scale Planning Small Scale Planning

Lake Protection Grant:

- Lake Classification & Ordinance Development

Aquatic Invasive Species Grant:

- Education, Prevention & Planning
 Clean Boats Clean Water Use Form 8700-337

River Protection Grant:

- River Planning

YEAR-ROUND:

Aquatic Invasive Species Grants:

- Early Detection & Response Maintenance & Containment Use Form 8700-323

FEBRUARY 1

Lake Protection Grant:

- Land/Easement Acquisition
 Wetland & Shoreline Habitat Restoration
 Lake Management Plan Implementation
 Healthy Lakes Project

Aquatic Invasive Species Grant:

- Established Population Control

Rivers Protection Grant:

- River Management
 Land/Easement Acquisition

Section 2: Applicant Information

Project Title

Cravath and Trippe Lake Restoration

Applicant Name (Organization)		Organization Type	
City of Whitewater		City	
Authorized Representative (AR) Name		AR Title	
Cameron L Clapper		City Manager	
AR Address		City	State ZIP Code
312 West Whitewater		Whitewater	WI 53190
AR Phone Number (include area code)	AR Ext.	E-mail Address	
(262) 473-0101		cclapper@whitewater-wi.gov	
Contact Representative Name, if different from AR		Contact Title	
Matt Amundson		Parks and Recreation Director	
Phone Number (include area code)	Ext.	Contact E-mail Address	
(262) 473-0122		MAmundson@whitewater-wi.gov	

Indicate if you have been approved as one of the following:

Qualified lake association, Form 8700-226, nonprofit conservation organization or qualified nonprofit organization, Form 8700-290, or river management organization, Form 8700-287? Yes No (If no, you must be approved prior to applying for a grant.)

Section 3: Project Information

Waterbody Name	Proposed Start Date	Proposed End Date
	February 15 2016	December 31 2017
Cravath and Trippe Lake	(Start Date) (Year)	(End Date) (Year)
Project Area (Select all that apply):	County(ies)	
<input type="radio"/> County-wide <input type="radio"/> Multi-county <input type="radio"/> Town-wide <input type="radio"/> Regional <input checked="" type="radio"/> Lake <input type="radio"/> River <input type="radio"/> Other (specify): _____	Walworth	

Surface Water Grant Application
Lake Management Planning,
Lake Protection & Classification,
River Protection, River Planning,
Aquatic Invasive Species (AIS) Control
 Form 8700-284 (9/15) Page 2 of 8

Public Access: Is there public access to the waterbody of which the project is proposed? Yes No

If yes, attach a map showing all public access points.

No. of public access sites including boat launches and walk-ins: 2
 No. of public vehicle-trailer parking spaces available at public access sites: 65

Does this project include Laboratory sample analysis? Yes No

Indicate lab service provider:

- State Lab of Hygiene, use Form 8700-360
 Other Certified Lab:

Consultation

Has the applicant had a pre-application grant scoping consultation with the Department? Yes No

Date of Contact: 11/19/2015
 Name of DNR Contact: Heidi Bunk and Travis Schroeder

Project Location

State Assembly District number(s): 43
 State Senate District number(s): 15

Sponsor Type (city, village, town, etc. - ex. Holland, Town of)	Legal Description							
	Township (N)	Range	E or W	Section	Quarter	Quarter- Quarter	Latitude (North, 4 to 7 decimal places)	Longitude (West, 4 to 7 decimal places)
Whitewater, City of	04 N	15	E	3				
Whitewater, City of	04 N	15	E	4				
Whitewater, City of	04 N	15	E	9				
Whitewater, City of	04 N	15	E	10				

Section 4: Federal Nonpoint Source Program Funding Eligibility - For Lake Protection or River Protection Grants Only

Not applicable.

Section 5: Cost Estimate and Grant Request

List organization (e.g., school, town, county, nonprofit other management organization, etc.) other than the applicant that are providing financial support in the project. Identify the type of financial support (cash, volunteer hours, equipment, etc) and attach a copy of the organizations letter of financial commitment.

Organization Name	Type of Support	Amount of Support

Are there federal dollars in this project? Yes No

Source of Federal Funds

Project Budget

Costs for Each Category	Project Costs					Subtotal
	Activity	Time (hr.)	Cash Cost	Time (hr.)	Donated Value	
Consulting Services	Define Proj Area & Sounding	10	1,150.00			\$1,150.00
Consulting Services	Define Sediment Removal Period	8	920.00			\$920.00
Consulting Services	Sediment Disposal Area	12	1,380.00			\$1,380.00
Consulting Services	Develop Sampling Plan	12	1,380.00			\$1,380.00
Consulting Services	Collect Samples- Collection	12	1,380.00			\$1,380.00
State Lab	Collect Samples-SLOH Anal		19,297.40			\$19,297.40
Consulting Services	Select Alternative Method	24	2,760.00			\$2,760.00
Consulting Services	Chapter 30 Permit	12	1,380.00			\$1,380.00
Consulting Services	Bid -ready Plans and Specs	60	6,900.00			\$6,900.00
Subtotals			36,547.40			\$36,547.40
<input type="checkbox"/> Override Default State Share Percentage:	Alternative State Share %			Total Project Cost Estimate (Cash + Donated Value)		\$36,547.40
				State Share Requested		\$24,486.76

Large Scale Lake Planning Project - maximum grant up to \$25,000 - up to 67% state share, cannot exceed cash cost.

Section 6: Attachments (check all that are included)

A. For all applicants: (Refer to instructions for applicability.)

- 1. Authorizing resolution
- 2. Letters of commitment if the project is receiving donation or cash contribution
- 3. Map of project location, boundaries, and public access
- 4. For projects sending samples to the State Lab of Hygiene (SLOH) only; a completed SLOH projected cost form

B. For first time applicants that are Lake Management Organizations (LMOs), River Management Organizations (RMOs)

- 1. Completed Form 8700-226 (LMOs) or 8700-287 (RMOs)

C. For First time non-profit organizations or non-profit conservation organization

- 1. Copy of IRS 501(c)(3) determination letter and copies of your Articles of Incorporation and Bylaws
- 2. A completed Form 8700-290

For projects that entail sending samples to the State Lab of Hygiene (SLOH) only, a completed SLOH projected cost form

D. For Land Acquisition

- 1. Completed Form 1800-001, Environmental Hazard Assessment
- 2. Appraised
- 3. Title insurance

E. Design specifications, if applicable, for River Management or Lake Management Plan Implementation

Section 7: Certification

By submitting this application, I am requesting a variance from the DNR to ss. NR 190.05(4), NR 190.15(6), NR 191.05(1), NR 195.07(4), NR 198.23(1), NR 198.44(1), Wis. Adm. Code, as appropriate, to establish an application deadline of December 10 and February 1. The requested variance is in my interest and is essential to effect the necessary DNR grant actions and program objective of a uniform application deadline.

Cameron Clapper

Signature of Authorized Representative

12/08/2015

Date Signed

DNR USE ONLY

Application Type	Research/Demo Project <input type="radio"/> Yes <input type="radio"/> No	Waterbody ID	Project Priority Rank
City			
Is the applicant a Green Tier Community Charter member? <input type="radio"/> Yes <input type="radio"/> No	Is the project within a Green Tier Community? <input type="radio"/> Yes <input type="radio"/> No		
AIS/Lake/River Coordinator Approval/Date		Environmental Grants Specialist Approval/Date	

Section 8: Project Description

A. Project Area and Public Access/Use

The Project Area is Trippe (113 acre drainage lake) and Cravath Lakes (68 acre impounded drainage lake) within the City of Whitewater (Lakes). The upstream watershed is 20.4 square miles into Trippe Lake and 36.1 square miles into Cravath (including Trippe watershed). Public access is comprised of 1 Public Boat launch on each lake. The Lakes are multi-purpose waterbodies serving a variety of recreational uses and are used year-round as a visual amenity. Active recreational uses include paddleboating, canoeing, kayaking, swimming, and fishing during the summer months, and cross-country skiing, snowmobiling, and ice-fishing during the winter; popular passive recreational uses include walking, bird watching, and picnicking. ADA-complaint fishing piers are planned to be installed in 2016 on both Lakes. Public Parks comprise 7.3% of the lake frontage on Cravath Lake (901 linear feet) and 25.5% of the lake frontage on Trippe Lake (3,188 linear feet). Public use of the parks adjacent to the lakes is large due to the number of public amenities. Cravath Lake Waterfront Park, located along the north side of Cravath Lake and near the south side of the downtown, contains the Lakefront Center community building as well as an outdoor performance stage, boat launch, lakefront promenade, and a rail underpass to Lake Street (and downtown Whitewater). Trippe Lake Park, located along Trippe Lake in the southwest quadrant of the City, has activities including volleyball, ice skating, boating, fishing, cross country skiing, and swimming. This park also includes an open shelter, a bath house, a picnic area, a small orchard, play equipment, and restroom facilities.

B. Problem Statement

The problem is sediment loading into the Lakes has sharply reduced the public recreational use by slowly filling the lake bed with sediment. Cravath and Trippe Lakes played integral roles in the development of Whitewater in the 1800's serving the industrial development of the community. These two shallow impoundment lakes have seen increased sediment loading which has made portions of both lakes non-navigable by fishermen and other recreational users of the lakes. The two lakes are adjacent to downtown Whitewater and residential neighborhoods and are a prominent feature within the community. The community has invested significantly in parkland development adjacent to the lakes and the lakes serve as a valuable recreational amenity that can influence continued economic development near and around the Lakes and City as a whole. The City of Whitewater created an ad hoc lakes committee to study, evaluate, and document a range of remedial and organizational measures, contributing to an effective organizational mechanism for the management of the root causes of the community concerns, and, ultimately, to a protection plan for the Lakes. This project is a response to the City of Whitewater Ad Hoc Lakes Committee's request for assistance in conducting remedial measures outlined in a lake protection plan.

A number of management strategies have been incorporated over the past twenty years including education to lake property owners, chemical treatment of invasive plants, and mechanical harvesting of aquatic plants. The Whitewater community has vocally demanded improved recreational access to Cravath and Trippe Lakes due to the following:

- * Lack of navigation channels from private property onto the lakes
- * Reduction in water clarity
- * Lack of recreational use of the lake due to shallow water and sediment

A successful dredging project can preserve and enhance the recreational value of both lakes for future generations to enjoy in Whitewater.

C. Project Description and Timeline Matrix

1. Goal/Job Objective:

Increase Public Recreational Water Use- This study will address the feasibility of selective deepening of channels within the Lakes critical to improving the public recreational water use. Currently, the lake depths are shallow enough to prohibit swimming, wading, canoeing, kayaking and the reduced aesthetics caused by sediment loading and weed growth detract from the use of the adjacent parks and public use of the water body. The study will focus on the revitalization of this shoreline drawing more visitors to the parks. Selective deepening for navigational channels will also be deep enough in the hopes that macrophyte growth does not reach the lake surface after dredging is completed. This Study updates the Comprehensive Lake Management Plan "A LAKE PROTECTION PLAN FOR CRAVATH AND TRIPPE LAKES WALWORTH COUNTY, WISCONSIN" developed by SEWRPC in September, 2011. This lake protection plan was developed with prior grant funding (WDNR Lake Planning Grant) and the goal of the plan was achieved in terms of providing "inventories of lake water quality and the aquatic plant communities present within Cravath and Trippe Lakes, and summarizes previous planning and monitoring programs conducted on the Lakes by the WDNR and the Southeastern Wisconsin Regional Planning Commission (SEWRPC)". (page 3). The study will define the lake management need of lake restoration and prioritize it along with other long-term lake management needs.

1.a. Activity

Define Project Areas and Collect Lake soundings- The first activity will define the areas where selective dredging is proposed to occur within the Lakes including public boat landings, fishing holes off of ADA compliant piers and navigational lanes at a minimum of 50 feet width and five feet of depth. Navigational side-channels and boating access from private piers with a three foot depth sustained out to deeper navigational channels will also be considered. Navigational channels will be marked with buoys contingent upon WDNR buoy permit issuance.

Method and Data Collected

We will collect existing depth readings and areas from County aerial orthophotos of the Lake using ARC/Info files from the earlier SEWRPC plan. Field depth soundings of hard and soft sediment elevations will be collected to create detailed bathymetric maps at one-half foot intervals of the proposed dredging areas and tied into horizontal and vertical datum (1929 NAVD).

Deliverable/Outcomes

The deliverable is a volume of sediment to be removed and map with clear demarcations of dredging depths, side slopes and widths in selected areas of the Lakes.

1.b. Activity

Define Sediment removal period- The amount of time the Lake dredge will last will be determined based on incoming sediment loading estimates. The City of Whitewater has recently constructed two water quality stormwater basins to reduce incoming sediment loading from the City of Whitewater outfalls. Walworth County Land Conservation Department will be consulted to determine the extent of existing and proposed agricultural Best Management Practices to control sediment from agricultural land use upstream. An inventory of environmentally sensitive areas upstream is included with this task to focus upstream improvements. This task also includes the feasibility of implementing sediment control practices upstream which will prolong the lifetime of the dredging interval such as buffer strips, sediment traps and streambank protection areas. Several meetings with Walworth County LCD staff are planned to coordinate upstream improvements.

Method and Data Collected

Analysis of upstream sediment sources and incoming sediment load to Lakes and upstream erosion and sediment sources and proposed control practices. Meetings with Walworth County to coordinate upstream improvements.

Deliverable/Outcomes

Approximate time period for sediment excavation project to last. Map showing potential locations of upstream control practices such as buffer strips, sediment traps and streambank protection areas. An upstream improvement schedule working with Walworth County LCD.

1.c. Activity

Investigation of possible Sediment Disposal areas- Potential sediment disposal areas will be investigated including local city-owned property, farmers fields and other undeveloped areas. Potential re-use of excavated soils as base materials for soccer fields, trails and golf courses will be considered.

Method and Data Collected

Analysis of available local soil disposal areas including area, depths and containment measures.

Deliverable/Outcomes

Listing of available local soil disposal areas and selection of top priority site.

1.d. Activity

Develop Sampling Plan as per NR 347- A sampling plan will be developed to meet the requirements of Table 1 in NR 347. This plan will be submitted and approved by the WDNR prior to sediment sampling.

Method and Data Collected

Proposed Sediment Sampling Plan including analysis for inorganic and organic parameters and number of samples taken.

Deliverable/Outcomes

Approved Sediment Sampling Plan.

1.e. Activity

Collect Sediment samples and ship to SLOH for analysis- The sediment samples will be collected using a stainless steel hollow core sampler at various locations in the Lakes as detailed in the approved sampling plan. These samples will be sent to SLOH for analysis immediately after sampling. The analysis cost above is based on input from the WDNR concerning preliminary sediment analysis parameters based on removing 7000 cubic yards from each Lake. Since preliminary sediment removal volumes are less than 14,000 cubic yards, the analysis cost may go down depending on the final sediment removal volume.

Method and Data Collected

Sediment Cores at various locations used to fill sampling glass and plastic containers and sent to SLOH using Army Corps sediment sampling protocol.

Deliverable/Outcomes

A list of inorganic and organic parameters analysis results for sediment samples collected at various locations throughout the Lakes.

1.f. Activity

Determine Lake Bottom Excavation Alternatives- Several excavation methods will be considered including hydraulic, wet mechanical and dry mechanical methods. A detailed analysis of various excavation and restoration alternatives including disposal area, excavation method, sediment volumes and cost estimates will be completed. Based on this analysis, a preferred excavation alternative will be selected and presented at the City ad-hoc committee and also at a Public meeting to obtain input/public concerns. A description of possible funding sources for the sediment excavation project will be included. After two meetings, the selected excavation method will go to the City Council for final approval and decision to go to final design.

Method and Data Collected

Consideration of various factors affecting dredging operation as determined above to select a most feasible method of sediment excavation

Deliverable/Outcomes

The preferred method of sediment removal from the lake bed as summarized in a 2 to 4 page summary.

2. Goal/Job Objective:

Develop Bid -ready plans for sediment removal- Base on the results of Task 1a through 1f (described above), plans and specifications suitable for bidding will be prepared including drawings for proposed Lake cross-sections, soil disposal area, erosion control plans, soil stockpile areas using City of Whitewater standard specifications and bid forms.

2.a. Activity

Apply for Chapter 30 Permit- A chapter 30 permit application will be filled out and submitted to the WDNR.

Method and Data Collected

Compile and submit Chapter 30 Permit application to the WDNR.

Deliverable/Outcomes

Chapter 30 permit from the WDNR.

2.b. Activity

Develop drawings and bid documents- Drawings and specifications suitable for bidding purposes will be developed including special provisions for sediment removal, site access and site restoration. These plans and bid documents will be suitable for bidding purposes.

Method and Data Collected

Detailed Design and CADD services to develop bid-ready plans and specifications.

Deliverable/Outcomes

A set of biddable documents including plans, specification and standard bid forms.

D. Role of Project in Planning/Management of Water Body

This project plays an integral role in updating the 2011 SEWRPC plan in terms of providing detailed information pertaining to the sediment removal recommendation. Implementing the results of this project will result in the improvement of the water body as requested by the Citizens of the City of Whitewater. The completed dredging study will provide the Whitewater Common Council with the needed information to discuss the long-term funding of lake improvements including the very likely need to form a Lake District to support both lakes. This is something that has been discussed with the Council and has support in the community. The study will provide needed data to establish a rate for the lake district to charge and a plan for implementation of lake improvement strategies that have been deemed too costly in the past without a known funding source. The ad-hoc committee will make recommendations to the Common Council and the Common Council will authorize the project sent out to bid and implementation of sediment excavation construction.

E. Existing and Proposed Partnership

We propose to partner with the Walworth County Land Conservation Department (LCD) to implement erosion control activities within the watershed of the two Lakes that will help to mitigate excessive sediment loading for upstream sources. The City has a very good relationship working with Walworth County on other projects. The former City Manager is the Central Services Director at Walworth County and the City contracts with the County for Public Works related items as well as equipment sharing when needed. This proposed partnership will build on the existing relationship and include several meetings to discuss and review upstream sediment control improvements. These improvements may include TRM funded projects through Walworth County LCD. A map showing the location of potential sediment control practices upstream such as sediment traps, buffer strips and streambank protection areas will be the deliverable from this partnership to focus on upstream sediment control practices.

F. Plan for Sharing Results

The City will hold a public information meeting at Cravath Lakefront Community Center to share the results of the study including a 2 to 4 page handout explaining options and provide citizens an opportunity to ask questions. An opportunity to respond either verbally or in writing will be provided at the public meeting to consider various options. The study will be prominently displayed on the City's website, and available at the Public Library for review. Additionally, the Parks & Recreation Department has a monthly newsletter sent to over 1500 email addresses and will have a link to the study included in this newsletter. There is a great demand from the public for the results of this study. The recreational use of both Lakes for fishing has been greatly reduced to boaters due to shallow water and vegetation. Most fishing currently is done via shoreline. The community desires improved access for recreational boating for fishing, kayaking, canoeing, and paddle boarding.

G. Other

This project will result in a significant improvement in recreational access to the Lakes. The City has demonstrated a commitment to improve access to the Lakes and citizens strongly support additional fishing and boating access. This project will result in detailed design information and technical specifications for sediment removal suitable for bidding purposes. The sediment analysis cost by the SLOH is a direct billing between the City and SLOH. WDNR will not pay SLOH directly.

Notice: Pursuant to s. 281.58, Wis. Stats., this form is required to be completed and submitted to the Department of Natural Resources (DNR) by all applicants seeking wastewater treatment financial assistance from the Clean Water Fund Program (CWFP). Failure to submit a complete application to the DNR may result in denial of the application by the CWFP. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

A. Applicant information

Applicant Name: City of Whitewater

Primary Contact: Matt Amundson

Primary Contact Phone Number: (262) 473-0122

Street Address: 312 West Whitewater State WI ZIP Code 53190

City: Whitewater

Email: mamundson@whitewater-wi.gov

D. Billing Check if same as Primary Contact

Primary Contact for Billing: Matt Amundson

Phone Number: (262) 473-0122

Billing Address: 312 West Whitewater State WI ZIP Code 53190

City: Whitewater

Email: mamundson@whitewater-wi.gov

B. Supplies & Laboratory Slips Check if same as Primary Contact

Primary Contact for Supplies: Matt Amundson

Phone Number: (262) 473-0122

Street Address: 312 West Whitewater State WI ZIP Code 53190

City: Whitewater

Email: mamundson@whitewater-wi.gov

E. Data Reporting for Deliverables, Send Report to:

Additional recipient of lab results: indicate delivery method

DNR (electronic) USGS (electronic)

Name: Matt Amundson Check if same as Primary Contact

Email Address: mamundson@whitewater-wi.gov

OR

US Mail Address: 312 West Whitewater
Whitewater WI 53190

C. Water Sample Laboratory Information

Lab Name: Wisconsin State Lab of Hygiene

Lab Address: 2601 Agriculture Drive

City: Madison State WI ZIP Code 53718

Lab ID Number: 113133790

Phone Number: (608) 224-6202

DNR Use Only

Account Number: _____

DNR Lake Coordinator: _____

Grant Project Number: _____

State Lab of Hygiene Only

Client ID: _____

F. Water Sample Test		Parameters		Price Per Sample	Total Parameter Cost
Station ID	Test Year	Test Month	# of Samples	Test ID	
653277	2017	January	7	ICC44002	\$385.00
653307	2017	January	7	ICC44002	\$385.00
653277	2017	January	7	ICC46002	\$385.00
653307	2017	January	7	ICC46002	\$385.00
653277	2017	January	7	ICC47002	\$385.00
653307	2017	January	7	ICC47002	\$385.00
653277	2017	January	7	ICC52014	\$350.00
653307	2017	January	7	ICC52014	\$350.00

Surface Water Grant Project Lab Cost Worksheet
Form 8700-360 (R 12/15)

F. Water Sample Test							
Station ID	Test Year	Test Month	# of Samples	Parameters	Test ID	Price Per Sample	Total Parameter Cost
653277	2017	January	7	[METALS SOLIDS DRYING FEE]	ICC49501	\$27.00	\$189.00
653307	2017	January	7	[METALS SOLIDS DRYING FEE]	ICC49501	\$27.00	\$189.00
653277	2017	January	7	[METALS DIGESTION FEE]	ICC32200	\$25.00	\$175.00
653307	2017	January	7	[METALS DIGESTION FEE]	ICC32200	\$25.00	\$175.00
653277	2017	January	7	[ARSENIC, SOLID ICP]	ICC15009	\$30.00	\$210.00
653307	2017	January	7	[ARSENIC, SOLID ICP]	ICC15009	\$30.00	\$210.00
653277	2017	January	7	[CADMIUM, SOLID ICP]	ICC22009	\$30.00	\$210.00
653307	2017	January	7	[CADMIUM, SOLID ICP]	ICC22009	\$30.00	\$210.00
653277	2017	January	7	[CHROMIUM, SOLID ICP]	ICC26009	\$30.00	\$210.00
653307	2017	January	7	[CHROMIUM, SOLID ICP]	ICC26009	\$30.00	\$210.00
653277	2017	January	7	[COPPER, SOLID ICP]	ICC31009	\$30.00	\$210.00
653307	2017	January	7	[COPPER, SOLID ICP]	ICC31009	\$30.00	\$210.00
653277	2017	January	7	[LEAD, SOLID ICP]	ICC38009	\$30.00	\$210.00
653307	2017	January	7	[LEAD, SOLID ICP]	ICC38009	\$30.00	\$210.00
653277	2017	January	7	[NICKEL, SOLID ICP]	ICC48009	\$30.00	\$210.00
653307	2017	January	7	[NICKEL, SOLID ICP]	ICC48009	\$30.00	\$210.00
653277	2017	January	7	[ZINC, SOLID ICP]	ICC67009	\$30.00	\$210.00
653307	2017	January	7	[ZINC, SOLID ICP]	ICC67009	\$30.00	\$210.00
653277	2017	January	7	[MERCURY IN SOLIDS]	ICC43009	\$50.00	\$350.00
653307	2017	January	7	[MERCURY IN SOLIDS]	ICC43009	\$50.00	\$350.00
653277	2017	January	7	[%SAND, SILT, CLAY]	ICC49500	\$52.00	\$364.00
653307	2017	January	7	[%SAND, SILT, CLAY]	ICC49500	\$52.00	\$364.00
653277	2017	January	2	[PCB AROCLORS IN SOIL/SED]	OCC15108	\$265.00	\$530.00
653307	2017	January	1	[PCB AROCLORS IN SOIL/SED]	OCC15108	\$265.00	\$265.00
653277	2017	January	7	[PAH IN SOIL/SED DRY WT]	OCC15801	\$384.00	\$2,688.00
653307	2017	January	7	[PAH IN SOIL/SED DRY WT]	OCC15801	\$384.00	\$2,688.00

Surface Water Grant Project Lab Cost Worksheet
Form 8700-360 (R 12/15)

653277	2017	January	7	[PESTS-OP-DDDD/DDE/DDT-SOIL]	OCC15104	\$72.60	\$508.20	
653307	2017	January	7	[PESTS-OP-DDDD/DDE/DDT-SOIL]	OCC15104	\$72.60	\$508.20	
653277	2017	January	7	[PESTICIDES - PREP FOR SOIL]	OCC15122	\$286.00	\$2,002.00	
653307	2017	January	7	[PESTICIDES - PREP FOR SOIL]	OCC15122	\$286.00	\$2,002.00	
Grand Total								\$19,297.40

Instructions

A. Application Information

Enter applicant's name (Example: Beauty Lake Association) and contact information for the person whom DNR will contact for all lab related questions.

B. Supplies and Laboratory Slips

If applicant's primary contact regarding supplies and laboratory slips is the same as the "Primary Contact", check the box labeled "check if same as primary contact". The form will auto populate with the primary contact information.

If applicant's contact regarding supplies and laboratory slips is not the Primary Contact, enter the name and requested information for the person who will be responsible for receiving the water monitoring supplies and laboratory slips.

C. Water Sample Laboratory Information

If water samples will be analyzed by the State Lab of Hygiene (SLOH), click on the dropdown arrow to reveal menu of laboratory analysis available. This section of the form will auto populate.

If a different Wisconsin certified laboratory will analyze water samples, the applicant will need to contact the lab and work with the lab to fill out this section. Note that only laboratories approved by the DNR may analyze samples associated with DNR grant programs. Check with your DNR biologist about private laboratory eligibility.

D. Billing

If applicant's primary contact for billing is the same person identified in the application information section, check the box labeled "Check if same as primary contact". The form will auto populate with the primary contacts information.

If applicant's primary contact for billing is different from the Primary Contact shown under A above, enter name of person responsible for billing questions and SLOH payment.

E. Data Reporting for Deliverables, send report to:

Provide the name of the primary contact that will receive the lab report from SLOH. If applicant's primary contact for SLOH reporting is the same person identified in section A, check the box labeled "Check if same as primary contact".

DNR will always receive an electronic copy of the SLOH report. If copies of SLOH report are needed by others, provide the name and contact information of additional recipients.

F. Water Sample Test (Matrix)

If the applicant has indicated that SLOH will analyze water samples, this form will auto-populate the following data fields:

- parameters (drop down box)
- price per sample
- test id
- total parameter costs

The applicant is required to complete the following data fields:

- station id (mandatory)
- test month (mandatory)
- test year
- number of water samples

If using a WI Certified Laboratory other than SLOH, applicant is responsible for contacting the private laboratory for information necessary to complete this section. The applicant is required to complete the following data fields:

- station id
- test month (mandatory)
- parameters (drop down box)
- price per sample.
- test year
- number of water samples
- test id

The total parameter cost will auto calculate.

Additional rows can be added/removed by clicking on the +/- signs on the right side of the matrix.

How to Locate the Station ID

Open the DNR Surface Water Data Viewer: <http://dnr.wi.gov/lakes/swdv>

Use the map to find the lake(s) where water sampling will take place. To find the Station ID turn on the monitoring stations layer by clicking on the following:

- Show Layers (click on the icon located along the top toolbar) 
- Monitoring Sites & Data (click on the + sign)  Monitoring Sites & Data
- Monitoring Station Points (check it)  Monitoring Station Points

To get to the Station ID, click “Point Identify”  and then click on a station (▲).
The Station ID will appear on the left side of the screen.

If no existing Station ID, email the coordinates along with a description of the monitoring site (example: North end of the lake) to: dnrlakeb@wisconsin.gov and the DNR will email you the new Station IDs.

How to find coordinates within the Surface Water Data Viewer

- Use the map to find the lake(s) where water sampling will take place.
- Expand the coordinates icon on the bottom left/center of the screen 

- Place your cursor over the area of the lake where samples will be taken
- The coordinates will appear in the lat/long box
- Email the coordinates along with a description of the monitoring site (example: North end of the lake) to: dnrlakeb@wisconsin.gov
- The DNR will email you the new Station IDs