

Please complete and submit to your project manager.Reporting Period: January 1 through June 30 (Due August 1)
 July 1 through December 31 (Due February 1)

All information is required by the U.S. Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA). Do not leave blanks (unless otherwise noted). This report form can be typed using your computer. Use the "tab" key to move through the fields of this form. Enter responses using text and check boxes as indicated. Keep a copy for your records.

I. General report information

1. Project title: Redwood River Watershed Restoration and Protection Strategies (WRAPS) and Total Maximum Daily Load (TMDL) Project
2. Project sponsor (Grantee): Redwood-Cottonwood Rivers Control Area
3. Contact name: Kerry Netzke
4. E-mail address: kerry.netzke@rcrca.com
5. Funding: 319 CWP CWP Loan Clean Water Fund Other: _____
6. Contract number: 138032
7. MPCA Project Manager: Mike Weckwerth
8. Effective date (mm/dd/yyyy): 2/27/2018 Expiration date (mm/dd/yyyy): 6/30/2022

II. Semi-annual report information

1. **Project activities completed during last six (6) months according to the program objectives or tasks (please be specific):**

Obj. 1 Task A: Data Review and Processing -- 100% of this work has been completed, including compiling land and stream background data, building and data processing for incorporation into lake response models.

Obj. 1 Task B: Lake Sediment Core Sampling and Analysis -- Collection of cores from Lake Benton and School Grove lakes have been completed; lab analysis is currently ongoing.

Obj. 1 Task C: Source Assessments -- 35% of this work is completed, including building lake response models, data processing for incorporation into lake response models, draft lake response model for Clear Lake (Lyon County), and fish shock analysis from Lake Benton and School Grove lake. Preliminary load duration curves have been completed for each impaired stream reach using the HSPF model to help assess frequency and timing of high TSS levels

Obj. 2 Task B: Develop Subwatershed Analysis Reports -- 15% of this work is completed, including the review and download of GIS layers and data for the subwatershed analysis.

Obj. 2 Task C: Develop Draft WRAPS Report -- 33% of this work is completed, including compiling impairment tables, background information and summary maps, MPCA correspondence and outline of the draft report.

Obj. 3 Task A: TMDL/WRAPS Meetings -- 11% of this work is completed, including creating maps for 3/19/18 Elected Officials Meeting; attending and participating in this meeting, attending the Local Work Group meetings on 2/15/18, 4/19/18 and 6/28/18, monthly calls with MPCA and RCRCA on 5/8/18 and 6/14/18.

Obj. 5 Task A: Fiscal Tracking and Progress Reporting -- Produce quarterly invoices 1 & 2, prompt monthly payment of Wenck Associates, scheduling of monthly Local Work Group meetings or Wenck/MPCA/RCRCA calls in lieu of meetings.

2. **List all products (documents, pamphlets, videos, maps, etc.) produced in this reporting period:**

A PowerPoint presentation was compiled and presented at the Elected Officials Meeting held on 3/19/18. Wenck produced large watershed maps (32" x 44") with subwatersheds and impairments identified. Two quarterly invoices were compiled and submitted as well as this Semi-Annual Report.

3. Challenges faced (optional):

4. Summary of monitoring data collected (if applicable):

N/A

- 4a. Have all monitoring stations been established in EQUIS? Yes No N/A
- 4b. Are the data being routinely submitted for storage into EQUIS? Yes No NA
 if yes, last submittal date (mm/dd/yyyy): _____
5. Are the Best Management Practices data being annually entered into eLINK? Yes No N/A
 if yes, date last entered (mm/dd/yyyy): _____

6. Describe specific (quantifiable, if possible) results achieved during this period:

N/A

Phosphorus Load Reduction: _____ lbs./year

Nitrogen Load Reduction: _____ lbs./year

Sediment Load Reduction: _____ lbs./year

7. Did the MPCA execute a change order or amendment for this project during this reporting period? No Yes

If yes, summarize those changes:

Change Order #1 was executed on 5/23/2018 to:

Move Wenck Level 3, one hour (\$134.81) from Objective 2 Task B to Objective 3 Task A in the "Effective until June 30, 2018" Cost Category.

Move remaining funds in the "Effective until June 30, 2018" Cost Category to the "Effective July 1, 2018" Cost Category for all necessary Objectives and Tasks.

8 List anticipated program objectives or tasks to be completed during the next six (6) months please be specific):

Within the next six months, lake response modeling will continue and will include the results/analysis stemming from the sediment core collections. Draft load duration curves for stream impairments will be developed. Three public informational meetings will be held in Lake Benton, Marshall and Redwood Falls to inform the public of the ongoing WRAPS/TMDL project and SWAG assessment of the Redwood Watershed.

III. Expenditure information for this period

Provide a copy of your workplan budget showing cumulative expenditures and budget balances by workplan objective and task. Also, fill out the summary below.

Expenditure report attached

Complete the table below:

	Amount
Total grant amount	\$200,000.00
Total match amount (if applicable)	
Total project amount	\$200,000.00
Grant expenditures this period	\$26,356.31
Match expenditures this period (if applicable)	
Cumulative grant expenditures to date	\$26,356.31
Cumulative match expenditures to date (if applicable)	
Total cumulative expenditures to date	\$26,356.31
Date form completed (mm/dd/yyyy):	7/19/2018

Project Name: Redwood River Watershed WRAPS and TMDL Project

Jan - June 2018 SAR Expenditure Budget

Contractor: RCRCA

Cost Category Effective to June 30, 2018 Effective as of July 1, 2018		Unit Cost	Rate	Qty	Total Grant Cash after CO#1	Feb-Mar 2018 Grant Expended	Apr-Jun 2018 Grant Expended	Total Grant Expended	Total Budget Remaining after CO#1
Objective 1: TMDL Report Development									
Task A	Data Review and Processing								
	RCRCA Staff	\$58.00 /hr.		12.00	\$696.00	\$348.00	348.00	696.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		32.00	\$3,057.60	\$1,232.60	1,825.00	3,057.60	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		8.00	\$1,078.48	\$1,051.52	26.96	1,078.48	\$0.00
Task B	Lake Sediment Core Sampling & Analysis								
	RCRCA Staff	\$58.00 /hr.		5.00	\$290.00		290.00	290.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		12.00	\$1,146.60		1,146.60	1,146.60	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		12.00	\$1,617.72		1,617.72	1,617.72	\$0.00
	Laboratory Analysis			12.00	\$3,600.00		3,600.00	3,600.00	\$0.00
	Mileage - Wenck Associates & Local Work Group	Comm's Rate /mi			\$225.63		225.63	225.63	\$0.00
	LWG - County Staff	\$40.00 /hr.		24.00	\$960.00			0.00	\$960.00
	Wenck Associates - Level 2	\$97.48 /hr.		54.00	\$5,263.92			0.00	\$5,263.92
	Wenck Associates - Level 3	\$137.52 /hr.		14.00	\$1,925.28			0.00	\$1,925.28
Task D	TMDL Allocation Development								
	Wenck Associates - Level 2	\$97.48 /hr.		40.00	\$3,899.20			0.00	\$3,899.20
	Wenck Associates - Level 3	\$137.52 /hr.		8.00	\$1,100.16			0.00	\$1,100.16
Task E	Develop Draft TMDL Report								
	RCRCA Staff	\$58.00 /hr.		24.00	\$1,392.00			0.00	\$1,392.00
	LWG - SWCD Staff	\$40.00 /hr.		24.00	\$960.00			0.00	\$960.00
	LWG - County Staff	\$40.00 /hr.		24.00	\$960.00			0.00	\$960.00
	Wenck Associates - Level 2	\$97.48 /hr.		80.00	\$7,798.40			0.00	\$7,798.40
	Wenck Associates - Level 3	\$134.81 /hr.		60.00	\$8,251.20			0.00	\$8,251.20
	RCRCA Staff	\$58.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - SWCD Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - County Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		16.00	\$1,528.80			1,528.80	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		7.00	\$943.67			943.67	\$0.00
Task C	Develop Draft WRAPS Report								
	RCRCA Staff	\$58.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - SWCD Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - County Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		16.00	\$1,528.80			1,528.80	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		16.00	\$2,156.96			2,156.96	\$0.00
	RCRCA Staff	\$58.00 /hr.		16.00	\$928.00			0.00	\$928.00
	LWG - SWCD Staff	\$40.00 /hr.		24.00	\$960.00			0.00	\$960.00
	LWG - County Staff	\$40.00 /hr.		24.00	\$960.00			0.00	\$960.00
	Wenck Associates - Level 2	\$97.48 /hr.		80.00	\$7,798.40			0.00	\$7,798.40
	Wenck Associates - Level 3	\$137.52 /hr.		80.00	\$11,001.60			0.00	\$11,001.60
Task B	Develop Subwatershed Analysis Reports								
	RCRCA Staff	\$58.00 /hr.		24.00	\$1,392.00			0.00	\$1,392.00
	LWG - SWCD Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	LWG - County Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	Wenck Associates - Level 2	\$97.48 /hr.		104.00	\$10,137.92			0.00	\$10,137.92
	Wenck Associates - Level 3	\$137.52 /hr.		32.00	\$4,400.64			0.00	\$4,400.64
Task C	Develop Draft WRAPS Report								
	RCRCA Staff	\$58.00 /hr.		54.00	\$3,132.00			0.00	\$3,132.00
	LWG - SWCD Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	LWG - County Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	Wenck Associates - Level 2	\$97.48 /hr.		44.00	\$4,289.12			0.00	\$4,289.12
	Wenck Associates - Level 3	\$137.52 /hr.		24.00	\$3,300.48			0.00	\$3,300.48
	RCRCA Staff	\$58.00 /hr.			\$60,218.39	\$0.00	\$6,158.23	\$6,158.23	\$54,060.16
Objective 2 - TOTAL									
Objective 2: WRAPS Report Development									
Task A	Develop Restoration & Protection Tables								
Task B	Develop Subwatershed Analysis Reports								
	RCRCA Staff	\$58.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - SWCD Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - County Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		16.00	\$1,528.80			1,528.80	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		7.00	\$943.67			943.67	\$0.00
Task C	Develop Draft WRAPS Report								
	RCRCA Staff	\$58.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - SWCD Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - County Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		16.00	\$1,528.80			1,528.80	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		16.00	\$2,156.96			2,156.96	\$0.00
	RCRCA Staff	\$58.00 /hr.		16.00	\$928.00			0.00	\$928.00
	LWG - SWCD Staff	\$40.00 /hr.		24.00	\$960.00			0.00	\$960.00
	LWG - County Staff	\$40.00 /hr.		24.00	\$960.00			0.00	\$960.00
	Wenck Associates - Level 2	\$97.48 /hr.		80.00	\$7,798.40			0.00	\$7,798.40
	Wenck Associates - Level 3	\$137.52 /hr.		80.00	\$11,001.60			0.00	\$11,001.60
Task B	Develop Subwatershed Analysis Reports								
	RCRCA Staff	\$58.00 /hr.		24.00	\$1,392.00			0.00	\$1,392.00
	LWG - SWCD Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	LWG - County Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	Wenck Associates - Level 2	\$97.48 /hr.		104.00	\$10,137.92			0.00	\$10,137.92
	Wenck Associates - Level 3	\$137.52 /hr.		32.00	\$4,400.64			0.00	\$4,400.64
Task C	Develop Draft WRAPS Report								
	RCRCA Staff	\$58.00 /hr.		54.00	\$3,132.00			0.00	\$3,132.00
	LWG - SWCD Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	LWG - County Staff	\$40.00 /hr.		36.00	\$1,440.00			0.00	\$1,440.00
	Wenck Associates - Level 2	\$97.48 /hr.		44.00	\$4,289.12			0.00	\$4,289.12
	Wenck Associates - Level 3	\$137.52 /hr.		24.00	\$3,300.48			0.00	\$3,300.48
	RCRCA Staff	\$58.00 /hr.			\$60,218.39	\$0.00	\$6,158.23	\$6,158.23	\$54,060.16
Objective 2 - TOTAL									
Objective 3: Project Participation									
Task A	TMDL/WRAPS Meetings (Wenck 2 & LWG 2)								
	RCRCA Staff	\$58.00 /hr.		12.00	\$696.00	\$696.00		696.00	\$0.00
	LWG - SWCD Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - County Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		8.00	\$764.40			764.40	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		17.00	\$2,291.77			1,082.83	\$63.05
	Mileage - Wenck Associates & Local Work Group	Comm's Rate /mi			\$83.22	\$83.22		63.22	\$0.00
	Meeting Supplies (Printing, Postage, Etc.)				\$202.81	\$151.81		202.81	\$0.00
	Mileage - RCRCA	Comm's Rate /mi			\$29.98	\$29.98		29.98	\$0.00
	RCRCA Staff	\$58.00 /hr.		12.00	\$696.00	\$696.00		696.00	\$0.00
	LWG - SWCD Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	LWG - County Staff	\$40.00 /hr.		0.00	\$0.00			0.00	\$0.00
	Wenck Associates - Level 2	\$95.55 /hr.		8.00	\$764.40			764.40	\$0.00
	Wenck Associates - Level 3	\$134.81 /hr.		17.00	\$2,291.77			1,082.83	\$63.05
	Mileage - Wenck Associates & Local Work Group	Comm's Rate /mi			\$83.22	\$83.22		63.22	\$0.00
	Meeting Supplies (Printing, Postage, Etc.)				\$202.81	\$151.81		202.81	\$0.00
	Mileage - RCRCA	Comm's Rate /mi			\$29.98	\$29.98		29.98	\$0.00
	RCRCA Staff	\$58.00 /hr.		72.00	\$4,176.00			0.00	\$4,176.00
	LWG - SWCD Staff	\$40.00 /hr.		252.00	\$10,080.00			0.00	\$10,080.00
	LWG - County Staff	\$40.00 /hr.		252.00	\$10,080.00			0.00	\$10,080.00
	Wenck Associates - Level 2	\$97.48 /hr.		16.00	\$1,559.68			0.00	\$1,559.68
	Wenck Associates - Level 3	\$137.52 /hr.		148.00	\$20,352.96			0.00	\$20,352.96
	Mileage - Wenck Associates & Local Work Group	Comm's Rate /mi			\$2,541.15			0.00	\$11,647.71
	Meeting Supplies (Printing, Postage, Etc.)				\$2,170.02			0.00	\$2,170.02
	Mileage - RCRCA	Comm's Rate /mi			\$2,170.02			0.00	\$2,170.02
	RCRCA Staff	\$58.00 /hr.		230.00	\$13,340.00	\$2,086.90	\$1,908.23	\$3,995.13	\$62,660.57
	LWG - SWCD Staff	\$40.00 /hr.		230.00	\$9,200.00	\$464.00	\$0.00	\$464.00	\$12,876.00
	LWG - County Staff	\$40.00 /hr.		230.00	\$9,200.00	\$464.00	\$0.00	\$464.00	\$12,876.00
	Wenck Associates - Level 2	\$95.55 /hr.		11.34756	\$1,082.83	\$4,391.39	\$11,347.56	\$15,736.95	\$36,666.16
	Wenck Associates - Level 3	\$134.81 /hr.		66.15823	\$8,917.23	\$0.00	\$6,158.23	\$6,158.23	\$54,060.16
	Mileage - Wenck Associates & Local Work Group	Comm's Rate /mi			\$66,655.70	\$2,086.90	\$1,908.23	\$3,995.13	\$62,660.57
	Meeting Supplies (Printing, Postage, Etc.)				\$7,380.80	\$0.00	\$0.00	\$0.00	\$7,380.80
	Mileage - RCRCA	Comm's Rate /mi			\$13,340.00	\$464.00	\$0.00	\$464.00	\$12,876.00
	RCRCA Staff	\$58.00 /hr.		230.00	\$13,340.00	\$2,086.90	\$1,908.23	\$3,995.13	\$62,660.57
	LWG - SWCD Staff	\$40.00 /hr.		230.00	\$9,200.00	\$464.00	\$0.00	\$464.00	\$12,876.00
	LWG - County Staff	\$40.00 /hr.		230.00	\$9,200.00	\$464.00	\$0.00	\$464.00	\$12,876.00
	Wenck Associates - Level 2	\$95.55 /hr.		11.34756	\$1,082.83	\$4,391.39	\$11,347.56	\$15,736.95	\$36,666.16
	Wenck Associates - Level 3	\$134.81 /hr.		66.15823	\$8,917.23	\$0.00	\$6,158.23	\$6,158.23	\$54,060.16
	Mileage -								

Please complete and submit to your project manager.Reporting Period: January 1 through June 30 (Due August 1)
 July 1 through December 31 (Due February 1)

All information is required by the U.S. Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA). Do not leave blanks (unless otherwise noted). This report form can be typed using your computer. Use the "tab" key to move through the fields of this form. Enter responses using text and check boxes as indicated. Keep a copy for your records.

I. General report information

1. Project title: Redwood River Watershed Restoration and Protection Strategies (WRAPS) and Total Maximum Daily Load (TMDL) Project
2. Project sponsor (Grantee): Redwood-Cottonwood Rivers Control Area
3. Contact name: Kerry Netzke
4. E-mail address: kerry.netzke@rcrca.com
5. Funding: 319 CWP CWP Loan Clean Water Fund Other: _____
6. Contract number: 138032
7. MPCA Project Manager: Mike Weckwerth
8. Effective date (mm/dd/yyyy): 2/27/2018 Expiration date (mm/dd/yyyy): 6/30/2022

II. Semi-annual report information

1. **Project activities completed during last six (6) months according to the program objectives or tasks (please be specific):**

Obj. 1 Task A: Data Review and Processing -- Complete.

Obj. 1 Task B: Lake Sediment Core Sampling and Analysis -- Complete.

Obj. 1 Task C: Source Assessments -- Source assessment allocations have been developed. 94% of budget expended.

Obj. 1 Task D: TMDL Allocations Development -- Lake and stream TMDL allocations are underway. 50% of budget expended.
Obj. 1 Task E: Develop Draft TMDL Report -- Report outline and development of the draft TMDL is underway. 53% of budget expended.

Obj. 2 Task A: Develop Restoration & Protection Tables -- Data preparation for the tables have begun. 7% of budget expended.

Obj. 2 Task B: Develop Subwatershed Analysis Reports -- Download of GIS layers and data review for the subwatershed analysis has begun. Data needs from LWG has been requested as well as pilot subwatersheds to use for format design. 28% of budget expended.

Obj. 2 Task C: Develop Draft WRAPS Report -- Compile impairment tables, background information and summary maps. Draft report has been outlined. 33% of budget expended.

Obj. 3 Task A: TMDL/WRAPS Meetings -- Preparation and presentation at the August, September and November LWG meetings. 29% of budget expended.

Obj. 5 Task A: Fiscal Tracking and Progress Reporting -- Produce quarterly invoices 3 & 4, prompt monthly payment of Wenck Associates, schedule monthly Local Work Group meetings and Wenck/MPCARCRCA teleconferences.

2. **List all products (documents, pamphlets, videos, maps, etc.) produced in this reporting period:**

A PowerPoint presentation was compiled and presented at the Public Informational Meetings held July in Lake Benton, Marshall and Redwood Falls. Wenck produced large watershed maps (32" x 44") with subwatersheds and impairments identified. Two quarterly invoices were compiled and submitted as well as this Semi-Annual Report. Agenda, supporting information and meeting minutes were produced for each LWG meeting.

3. Challenges faced (optional):

With the announcement of the River Eutrophication Standard impairment for the lower portion of the Redwood River, concern arose over how to fund the TMDL work that was not included in the work plan. Fortunately the preWRAPS planning grant can be extended, and by using that grant to continue to pay for planning efforts, savings to this grant can be realized that will likely fund the RES TMDL work by Wenck. RES TMDL guidelines are being developed by MPCA from which Wenck will provide their cost to perform. An amendment to the work plan and budget will be made to allow the RES work to commence. The RES TMDL will be a stand-alone document, apart from the Redwood River TMDL, in the event that the RES TMDL is contested.

4. Summary of monitoring data collected (if applicable):

N/A

- 4a. Have all monitoring stations been established in EQuls?** Yes No N/A
- 4b. Are the data being routinely submitted for storage into EQuls?** Yes No NA
if yes, last submittal date (mm/dd/yyyy): _____
- 5. Are the Best Management Practices data being annually entered into eLINK)?** Yes No N/A
if yes, date last entered (mm/dd/yyyy): _____

6. Describe specific (quantifiable, if possible) results achieved during this period:

N/A

Phosphorus Load Reduction: _____ lbs./year
Nitrogen Load Reduction: _____ lbs./year
Sediment Load Reduction: _____ lbs./year

7. Did the MPCA execute a change order or amendment for this project during this reporting period? No Yes

If yes, summarize those changes:

8 List anticipated program objectives or tasks to be completed during the next six (6) months please be specific):

Within the next six months, the draft TMDL for the Redwood watershed will be completed and reviewed by the LWG. This same format will be utilized for the Cottonwood TMDL. The LWG will be providing data for the Subwatershed Analyses. Wenck intends to use 2-3 pilot subwatersheds to develop the format for all the subwatersheds. The Chloride and River Eutrophication Standard (RES) impairments will be addressed following an amendment to the work plan and budget.

III. Expenditure information for this period

Provide a copy of your workplan budget showing cumulative expenditures and budget balances by workplan objective and task. Also, fill out the summary below.

Expenditure report attached

Complete the table below:

	Amount
Total grant amount	\$200,000.00
Total match amount (if applicable)	
Total project amount	\$200,000.00
Grant expenditures this period	\$27,956.35
Match expenditures this period (if applicable)	
Cumulative grant expenditures to date	\$54,312.66
Cumulative match expenditures to date (if applicable)	
Total cumulative expenditures to date	\$54,312.66
Date form completed (mm/dd/yyyy):	1/10/2019

Project Name: Redwood River Watershed WRAPS and TMDL Project

July - December 2018 SAR Expenditure Budget

Contractor: RCRCA

Cost Category Effective to June 30, 2018 Effective as of July 1, 2018		Unit Cost	Rate	Qty	Total Grant Cash	Feb-Mar 2018 Grant Expended	Apr-Jun 2018 Grant Expended	Jul-Sept 2018 Grant Expended	Oct-Dec 2018 Grant Expended	Total Grant Expended	Total Budget Remaining
Objective 1: TMDL Report Development											
Task A Data Review and Processing											
RCRCA Staff		\$58.00 /hr.		12.00	\$696.00		348.00			696.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		32.00	\$3,057.60	\$1,232.50	1,825.00			3,057.50	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		8.00	\$1,078.48	\$1,051.52	26.96			1,078.48	\$0.00
Task B Lake Sediment Core Sampling & Analysis											
RCRCA Staff		\$58.00 /hr.		5.00	\$290.00		290.00			290.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		12.00	\$1,146.60		1,146.60			1,146.60	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		12.00	\$1,617.72		1,617.72			1,617.72	\$0.00
Laboratory Analysis					\$3,600.00		3,600.00			3,600.00	\$0.00
Mileage - Wenck Associates & Local Work Group		Comm's Rate /mi			\$225.63		225.63			225.63	\$0.00
Task C Source Assessments											
RCRCA Staff		\$58.00 /hr.		2.00	\$116.00	\$116.00				116.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		24.00	\$2,293.20	\$429.98	1,863.22			2,293.20	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		12.00	\$1,617.72	\$1,213.28	404.43			1,617.72	\$0.00
Task D TMDL Allocation Development											
Task E Develop Draft TMDL Report											
Task A Data Review and Processing											
RCRCA Staff		\$58.00 /hr.		8.00	\$464.00					464.00	\$464.00
Wenck Associates - Level 2		\$95.55 /hr.		24.00	\$2,293.20					2,293.20	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		24.00	\$3,235.44					3,235.44	\$0.00
Task B Lake Sediment Core Sampling & Analysis											
RCRCA Staff		\$58.00 /hr.		14.00	\$812.00					812.00	\$812.00
Wenck Associates - Level 2		\$95.55 /hr.		24.00	\$2,293.20					2,293.20	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		24.00	\$3,235.44					3,235.44	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		54.00	\$5,163.90			2,417.50		4,746.40	\$617.50
Wenck Associates - Level 3		\$134.81 /hr.		14.00	\$1,887.34			1,925.28		1,925.28	\$0.00
Task D TMDL Allocation Development											
RCRCA Staff		\$58.00 /hr.		40.00	\$2,320.00			779.84		2,140.16	\$169.84
Wenck Associates - Level 2		\$95.55 /hr.		8.00	\$764.40			1,100.16		1,864.56	\$0.00
Task E Develop Draft TMDL Report											
RCRCA Staff		\$58.00 /hr.		24.00	\$1,392.00					1,392.00	\$1,392.00
Wenck Associates - Level 2		\$95.55 /hr.		24.00	\$2,293.20					2,293.20	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		24.00	\$3,235.44					3,235.44	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		80.00	\$7,644.00			1,189.26		1,189.26	\$6,454.74
Wenck Associates - Level 3		\$134.81 /hr.		60.00	\$8,088.60			2,282.83		2,282.83	\$5,805.77
OBJECTIVE 1 - TOTAL					\$52,405.11	\$4,391.39	\$11,347.56	\$11,242.26	\$6,260.01	\$33,241.22	\$19,163.89
Objective 2: WRAPS Report Development											
Task A Develop Restoration & Protection Tables											
RCRCA Staff		\$58.00 /hr.		0.00	\$0.00					0.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		0.00	\$0.00					0.00	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		0.00	\$0.00					0.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		16.00	\$1,528.80		1,528.80			1,528.80	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		7.00	\$943.67		943.67			943.67	\$0.00
Task B Develop Subwatershed Analysis Reports											
RCRCA Staff		\$58.00 /hr.		0.00	\$0.00					0.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		36.00	\$3,440.00					3,440.00	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		36.00	\$4,853.16					4,853.16	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		104.00	\$9,897.20		48.74			9,945.94	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		32.00	\$4,314.24					4,314.24	\$0.00
Task C Develop Draft WRAPS Report											
RCRCA Staff		\$58.00 /hr.		54.00	\$3,132.00					3,132.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		36.00	\$3,440.00					3,440.00	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		36.00	\$4,853.16					4,853.16	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		44.00	\$4,204.20					4,204.20	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		24.00	\$3,235.44					3,235.44	\$0.00
OBJECTIVE 2 - TOTAL					\$60,218.39	\$0.00	\$6,156.23	\$48.74	\$3,576.38	\$9,783.35	\$50,435.04
Objective 3: Project Participation											
Task A TMDL/WRAPS Meetings (Wenck 2 & LWG 2)											
RCRCA Staff		\$58.00 /hr.		12.00	\$696.00	\$696.00				696.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		0.00	\$0.00					0.00	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		0.00	\$0.00					0.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		8.00	\$764.40		764.40			764.40	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		17.00	\$2,291.77		1,092.83			2,384.60	\$63.05
Mileage - Wenck Associates & Local Work Group		Comm's Rate /mi			\$63.22					63.22	\$0.00
Meeting Supplies (Printing, Postage, Etc.)					\$202.81		51.00			253.81	\$0.00
Mileage - RCRCA		Comm's Rate /mi			\$29.98					29.98	\$0.00
Task B TMDL/WRAPS Meetings (Wenck 2 & LWG 2)											
RCRCA Staff		\$58.00 /hr.		72.00	\$4,176.00			484.00		4,660.00	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		252.00	\$24,080.40					24,080.40	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		252.00	\$34,072.12					34,072.12	\$0.00
Wenck Associates - Level 2		\$95.55 /hr.		16.00	\$1,528.80					1,528.80	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		148.00	\$19,851.84		3,300.48			23,152.32	\$0.00
Mileage - Wenck Associates & Local Work Group		Comm's Rate /mi			\$11,647.71		482.22			12,129.93	\$0.00
Meeting Supplies (Printing, Postage, Etc.)					\$2,170.02					2,170.02	\$0.00
OBJECTIVE 3 - TOTAL					\$68,655.70	\$2,085.90	\$1,908.23	\$4,383.69	\$1,763.77	\$10,142.59	\$58,513.11
Objective 4: TMDL/WRAPS Comments											
Task A Address Comments to TMDL/WRAPS Reports											
Wenck Associates - Level 2		\$95.55 /hr.		8.00	\$764.40					764.40	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		48.00	\$6,470.88					6,470.88	\$0.00
OBJECTIVE 4 - TOTAL					\$7,235.28	\$0.00	\$0.00	\$0.00	\$0.00	\$7,235.28	\$0.00
Objective 5: Project Administration											
Task A Fiscal Tracking & Progress Reporting - RCRCA											
RCRCA Staff		\$58.00 /hr.		230.00	\$13,340.00	\$464.00	\$0.00	\$536.50	\$145.00	\$1,145.50	\$12,194.50
Wenck Associates - Level 2		\$95.55 /hr.		0.00	\$0.00	\$464.00	\$0.00	\$536.50	\$145.00	\$1,145.50	\$0.00
Wenck Associates - Level 3		\$134.81 /hr.		0.00	\$0.00	\$464.00	\$0.00	\$536.50	\$145.00	\$1,145.50	\$0.00
OBJECTIVE 5 - TOTAL					\$13,340.00	\$928.00	\$0.00	\$1,073.00	\$290.00	\$2,291.00	\$11,049.00
OBJECTIVE 1 - TOTAL					\$52,405.11	\$4,391.39	\$11,347.56	\$11,242.26	\$6,260.01	\$33,241.22	\$19,163.89
OBJECTIVE 2 - TOTAL					\$60,218.39	\$0.00	\$6,156.23	\$48.74	\$3,576.38	\$9,783.35	\$50,435.04
OBJECTIVE 3 - TOTAL					\$68,655.70	\$2,085.90	\$1,908.23	\$4,383.69	\$1,763.77	\$10,142.59	\$58,513.11
OBJECTIVE 4 - TOTAL					\$7,235.28	\$0.00	\$0.00	\$0.00	\$0.00	\$7,235.28	\$0.00
OBJECTIVE 5 - TOTAL					\$13,340.00	\$928.00	\$0.00	\$1,073.00	\$290.00	\$2,291.00	\$11,049.00
GRAND TOTAL					\$200,000.00	\$6,942.29	\$19,414.02	\$16,211.19	\$11,745.16	\$54,312.66	\$145,687.34