



Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Final Progress and Financial Report Cottonwood River WRAPS and TMDL Project

Grant project summary

Cottonwood River Watershed Restoration and Protection Strategies (WRAPS) and Total Maximum Daily Load
 Project title: (TMDL) Project

Organization (Grantee): Redwood-Cottonwood Rivers Control Area

Project start date: 2/27/2018 Project end date: 06/30/2022 Report submittal date: 7/22/2022

Grantee contact name: Kerry Netzke Title: Executive Director

Address: 1424 East College Drive, Suite 300

City: Marshall State: MN Zip: 56258

Phone number: 507-532-1325 Fax: Email: Kerry.netzke@rcrca.com

Basin (Red, Minnesota, St. Croix, etc.) /Watershed & 8 digit HUC:: Minnesota County: Brown, Cottonwood, Lyon, Murray and Redwood

Project type (check one):

- Clean Water Partnership
- Total Maximum Daily Load (TMDL)/Watershed Restoration or Protection Strategy (WRAPS) Development
- 319 Implementation
- 319 Demonstration, Education, Research
- TMDL/WRAPS Implementation

Grant funding

Final grant amount: \$200,000.00 Final total project costs: \$200,000.00

Matching funds: Final cash: \$0.00 Final in-kind: \$0.00 Final Loan: \$0.00

MPCA project manager: Mike Weckwerth

For TMDL/WRAPS development

Impaired reach name(s): See following table

AUID or DNR Lake ID(s): See following table

Listed pollutant(s): See following table

303(d) List scheduled start date: 2/27/2018 for this grant Scheduled completion date: 6/30/2022 for this grant

AUID = Assessment Unit ID
 DNR = Minnesota Department of Natural Resources

2018: The Cottonwood River Watershed had 15 stream reaches and 4 lakes identified as impaired for one or more pollutants on the draft 2016 Impaired Waters List. Total Maximum Daily Loads (TMDLs) have been completed and approved by EPA for the existing Bacteria (fecal coliform/*E.coli*) and Mercury impairments.

2022: After completing the monitoring and assessment phases in 2020, 14 new impairments were identified in the Cottonwood River which need to be addressed with a TMDL; 3 TSS, 8 *E. coli*, and 3 lakes as depicted in the following table.

Water body name	Water body description	Water body type	Year added to List	County	Watershed name	Pollutant or stressor
Altermatt	Lake or Reservoir	Lake	2020	Brown	Cottonwood River	Nutrients
Bachelor	Lake or Reservoir	Lake	2020	Brown	Cottonwood River	Nutrients
Boise	Lake or Reservoir	Lake	2020	Brown	Cottonwood River	Nutrients
Clear	Lake or Reservoir	Lake	2020	Brown	Cottonwood River	Nutrients
Coal Mine Creek	Headwaters to T109 R35W S22, south line	Stream	2020	Redwood	Cottonwood River	Macroinvertebrates
Coal Mine Creek	Headwaters to T109 R35W S22, south line	Stream	2020	Redwood	Cottonwood River	Escherichia coli (E. coli)
Cottonwood River	Headwaters to Meadow Cr	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Cottonwood River	Headwaters to Meadow Cr	Stream	2020	Lyon	Cottonwood River	Fish bioassessments
Cottonwood River	Headwaters to Meadow Cr	Stream	2020	Lyon	Cottonwood River	Total suspended solids (TSS)
Cottonwood River	Headwaters to Meadow Cr	Stream	2020	Lyon	Cottonwood River	Escherichia coli (E. coli)
Cottonwood River	Meadow Cr to Plum Cr	Stream	2020	Redwood	Cottonwood River	Macroinvertebrates
Cottonwood River	Meadow Cr to Plum Cr	Stream	2020	Redwood	Cottonwood River	Fish bioassessments
Cottonwood River	Sleepy Eye Cr to JD 30	Stream	2020	Brown	Cottonwood River	Total suspended solids (TSS)
County Ditch 24	Unnamed cr to Sleepy Eye Cr	Stream	2020	Redwood	Cottonwood River	Macroinvertebrates
County Ditch 24	Unnamed cr to Sleepy Eye Cr	Stream	2020	Redwood	Cottonwood River	Fish bioassessments
County Ditch 26	Headwaters to Sleepy Eye Cr	Stream	2020	Redwood	Cottonwood River	Macroinvertebrates
County Ditch 38	Headwaters to T107 R37W S32, north line	Stream	2020	Cottonwood	Cottonwood River	Macroinvertebrates
County Ditch 38	Headwaters to CD 85	Stream	2020	Redwood	Cottonwood River	Macroinvertebrates
Double (North Portion)	Lake or Reservoir	Lake	2020	Cottonwood	Cottonwood River	Chlorpyrifos
Double (North Portion)	Lake or Reservoir	Lake	2020	Cottonwood	Cottonwood River	Fish bioassessments
Dry Creek	T108 R36W S31, south line to Cottonwood R	Stream	2020	Cottonwood	Cottonwood River	Macroinvertebrates
Dry Creek	T108 R36W S31, south line to Cottonwood R	Stream	2020	Cottonwood	Cottonwood River	Fish bioassessments
Dry Creek	T108 R36W S31, south line to Cottonwood R	Stream	2020	Cottonwood	Cottonwood River	Escherichia coli (E. coli)
Dutch Charley Creek	Headwaters to Highwater Cr	Stream	2020	Cottonwood	Cottonwood River	Macroinvertebrates
Highwater Creek	Double Lk outlet to Dutch Charley Cr	Stream	2020	Cottonwood	Cottonwood River	Total suspended solids (TSS)
Highwater Creek	Double Lk outlet to Dutch Charley Cr	Stream	2020	Cottonwood	Cottonwood River	Escherichia coli (E. coli)
Judicial Ditch 22	-95.566 44.325 to Cottonwood R	Stream	2020	Redwood	Cottonwood River	Macroinvertebrates
Judicial Ditch 22	-95.566 44.325 to Cottonwood R	Stream	2020	Redwood	Cottonwood River	Fish bioassessments
Judicial Ditch 30	T110 R32W S31, west line to Cottonwood R	Stream	2020	Brown	Cottonwood River	Escherichia coli (E. coli)
Judicial Ditch 30	T110 R33W S15, west line to T110 R33W S36, east line	Stream	2020	Brown	Cottonwood River	Fish bioassessments
Judicial Ditch 30	T110 R33W S15, west line to T110 R33W S36, east line	Stream	2020	Brown	Cottonwood River	Escherichia coli (E. coli)
Mound Creek	Headwaters to Cottonwood R	Stream	2020	Brown	Cottonwood River	Macroinvertebrates
Mound Creek	Headwaters to Cottonwood R	Stream	2020	Brown	Cottonwood River	Escherichia coli (E. coli)
Pell Creek	T109 R37W S30, west line to Cottonwood R	Stream	2020	Redwood	Cottonwood River	Escherichia coli (E. coli)
Rock	Lake or Reservoir	Lake	2020	Lyon	Cottonwood River	Fish bioassessments
Sleepy Eye Creek	T109 R33W S5, west line to Cottonwood R	Stream	2020	Brown	Cottonwood River	Macroinvertebrates
Unnamed creek	Unnamed cr to Dutch Charley Cr	Stream	2020	Cottonwood	Cottonwood River	Macroinvertebrates
Unnamed creek	Unnamed cr to Unnamed cr	Stream	2020	Redwood	Cottonwood River	Fish bioassessments
Unnamed creek	Unnamed ditch to Cottonwood R	Stream	2020	Brown	Cottonwood River	Macroinvertebrates
Unnamed creek	Unnamed cr to Lk Marshall	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Unnamed creek	Unnamed cr to Lk Marshall	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Unnamed creek	Heck Slough to Unnamed cr	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Unnamed creek	Unnamed cr to Cottonwood R	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Unnamed creek	Unnamed cr to Dry Cr	Stream	2020	Cottonwood	Cottonwood River	Macroinvertebrates
Unnamed creek	Unnamed cr to -95.095 44.134	Stream	2020	Brown	Cottonwood River	Macroinvertebrates
Unnamed creek	T1110 R40W S9, south line to Unnamed cr	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Unnamed creek	T110 R42W S24, west line to Cottonwood R	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Unnamed creek	T110 R42W S24, west line to Cottonwood R	Stream	2020	Lyon	Cottonwood River	Fish bioassessments
Unnamed creek	-95.902 44.256 to Cottonwood R	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Unnamed creek	-95.902 44.256 to Cottonwood R	Stream	2020	Lyon	Cottonwood River	Fish bioassessments
Unnamed ditch	Unnamed ditch to CD 44	Stream	2020	Lyon	Cottonwood River	Macroinvertebrates
Willow Creek	Unnamed cr to Plum Cr	Stream	2020	Murray	Cottonwood River	Macroinvertebrates

Executive summary of project

Problem

The State of Minnesota has adopted a Watershed Approach to assess all of the 80 HUC-8 watersheds within a 10-year cycle. This approach is known as the Watershed Restoration and Protection Strategies (WRAPS) process. Intensive Watershed Monitoring (IWM) and data collection in the Cottonwood River Watershed was conducted in 2017-2018. MPCA expanded data collection to include extensive fish and aquatic invertebrate surveys. Data analysis followed to determine impairments, identify stressors and pollutant sources, develop TMDLs for impaired waters, and utilize computer modeling and other techniques with stakeholder involvement to set water quality improvement goals. Strategies to restore impaired waters and protect unimpaired waters were developed for future implementation as the process transitions into One Watershed, One Plan with prioritized, targeted and measurable goals.

Waterbody improved

The Cottonwood River Watershed, one of 13 major watersheds within the Minnesota River Basin, encompasses approximately 1,312 square miles. The river originates on the Coteau des Prairies (Buffalo Ridge) flowing eastward approximately 152 miles to the Minnesota River with a drop in elevation of 750 feet. The watershed drains portions of Lyon, Murray, Cottonwood, Redwood, and Brown Counties with a landscape that is primarily rural with corn and soybean crop production, and swine and cattle production. Fifteen incorporated and seven unincorporated communities lie within the watershed including larger communities of Tracy, Springfield, Sleepy Eye and New Ulm. Fourteen additional impairments were added to the State's 303(d) list stemming from the IWM.

Project highlights

Public meetings held in Walnut Grove and Sleepy Eye informed public stakeholders of the project and IWM results. Sediment cores from Double Lake (North) and Sleepy Eye Lake were collected to determine the source of phosphorus in addition to fish sampling to estimate rough fish populations and that impact on phosphorus. A strong commitment from the Local Work Group (LWG) partners, in cooperation with Wenck Associates, provided an effective team for watershed analysis and goal setting. A particular highlight of the this project was the delisting of Sleepy Eye Lake.

Results

The development of TMDL and WRAPS reports that is currently undergoing final review prior to Public Notice for comments resulted from this grant, as well as the Subwatershed Analysis Reports for each of the 36 HUC-12 watersheds. Despite the Covid-19 pandemic which impacted most of 2020 and well into 2021, participation from stakeholders and LWG partners was uninterrupted and very successful with 16 in-person, six virtual and a Professional Judgment Group meeting being held. Project administration was provided by RCRCA for coordination of objectives and fiscal responsibilities, including contracting with consultants.

Partnerships (Local Work Group partners)

Brown, Cottonwood, Lyon, Murray and Redwood County Environmental Offices (County Staff)

John Knisley/Andy Meyer, Brown County, (507) 233-6640

Alex Schultz/David Bucklin/Kay Gross, Cottonwood County, (507) 831-1153 ext. 102

John Biren, Lyon County, (507) 537-0396 ext. 3

Jean Christoffels, Murray County, (507) 836-1165

Scott Wold, Redwood County, (507) 637-4023

Brown, Cottonwood, Lyon, Murray and Redwood Soil & Water Conservation Districts

Melanie Krueger/AI Gleisner, Brown SWCD, (507) 794-2553

Kay Gross/David Bucklin, Cottonwood SWCD, (507) 831-1153 ext. 3

Luke Olson/Devin Ryan, Lyon SWCD, (507) 537-0396 ext. 3

Shelly Lewis/Craig Christensen, Murray SWCD, (507) 836-6990 ext. 3

Marilyn Bernhardson/Kurt Mathiowetz, Redwood SWCD, (507) 637-2427 ext. 3

Pictures



Sediment Core of Sleepy Eye Lake



Electrofishing Double Lake (North) – Buffalo fish in the net



Carp without an eye – Double Lake (North)



Local Work Group observing Sleepy Eye Lake Electrofishing



Elected Officials Meeting (March 19, 2018)



Highwater Creek Illegal Tire Dumping – Fall 2020

Section I – Work Plan Review

All objectives were completed using the grant funding. Over the project period, five change orders were executed. Change Order 1 moved remaining funds from June 30, 2018 to those effective July 1, 2018 coinciding with the State of Minnesota Master Contract with consultants. Money was also allocated to cover one additional sediment core sample. Change Order 2 allocated additional funds to the consultant to cover the additional impairments identified by monitoring and assessment. Change Order 3 reduced hours for the LWG partners (due to Covid-19 restrictions on in-person meetings) and increased consultant hours for the WRAPS development and Subwatershed Analysis effort. Change Order 4 reallocated funds from the LWG partners to RCRCA as a result of additional work stemming from the pandemic. And the final Change Order 5, reallocated any remaining funds to RCRCA for administration as the project neared completion.

Objective 1: TMDL Report Development – RCRCA subcontracted with Wenck Associates, Inc. (Wenck) to develop the TMDL report. With assistance from RCRCA and the LWG partners, Wenck provided review of collected data, collected and analyzed sediment cores from Double Lake (North) and Sleepy Eye Lake, determined sources of watershed pollutants, developed TMDL allocations for all impaired waterbodies, and utilized a Public Participation Process to gather public input for the TMDL report. Wenck utilized lake response models for lake assessment. HSPF models were used to develop load duration curves to assess the frequency and timing high pollutant levels (TSS, N and P). \$66,081.52 was expended on this objective.

Objective 2: WRAPS Report Development – Wenck Associates worked closely with the LWG partners and RCRCA to develop the WRAPS Restoration and Protection Tables. These tables identify the impaired reach/lake, impaired parameter(s), existing condition and reduction goal, suitable BMPs and adoption rates, 10-year milestone goal, and responsible parties for the BMPs. The tables are the heart of the WRAPS document for which the strategies are developed. An additional task that was added to this grant project was for the development of Subwatershed Analysis Reports. Detailed maps and impairment specifics for each of the 36 subwatersheds are highlighted in a 2-page format. The purpose of these Subwatersheds Analysis reports are to provide LWG partners with an easy to use, informational document to provide to local landowners when discussing BMPs, or to discuss problematic watersheds with elected officials, or to supplement the submission of a grant application. To date, two subwatersheds, Plum Creek and Pell Creek, have received Clean Water Fund grants to address the excessive sediment reaching these streams. The 2-page analysis was provided with each successful grant application. \$61,002.27 was expended on this objective.

Objective 3: Project Participation – An Elected Officials Meeting with 36 in attendance was held on March 1, 2018 at the University of Minnesota Southwest Research and Outreach Center near Lamberton to inform county commissioners and staff, SWCD supervisors and staff, and others of the ongoing effort in the Cottonwood and Redwood River watersheds. Public informational meetings were held to inform the public stakeholders of the ongoing WRAPS/TMDL project and Surface Water Assessment Grants (SWAG) assessment results of the Cottonwood River Watershed. The Walnut Grove meeting was held on July 18, 2018 with only three in attendance, while the July 19, 2018 meeting at Sleepy Eye had an audience of eleven. Sixteen in-person and six virtual meetings were held with Wenck Associates leading the discussion with the LWG partners and RCRCA. One Professional Judgment Group (PJG) meeting was held to discuss the monitoring and assessment results for a the Cottonwood River HUC-8

watershed, resulting in final use-support determinations with recommendations for each AUID documented in a database and archived following the completion of the assessments. Delisting and natural background candidates were identified. \$39,246.79 was expended on this objective.

Objective 4: TMDL/WRAPS Comments – Wenck Associates provided accurate and timely responses to questions raised by EPA and MPCA upon their reviews of the TMDL report, or questions raised by MPCA upon their review of the WRAPS document. \$15,084.82 was expended for this objective.

Objective 5: Project Administration – RCRCA staff provided all of the fiscal tracking and progress reporting for this grant. Fiscal activities included prompt monthly payments to the consultant and reimbursements to LWG partners for their time. Quarterly invoices were prepared for MPCA reimbursement. Expenditure spreadsheets were maintained to track overall grant expenditures as well as consultant contract expenditures. Five change orders were executed throughout the grant period. Semi-annual reports were submitted by February 1 and August 1 for each year of the grant period which included budget expenditures. RCRCA provided all meeting coordination including email notices, agendas, minutes, providing supporting documents, vouchers, and meeting follow up. RCRCA, MPCA and Wenck had frequent teleconferences to discuss progress. \$18,584.60 was expended on this objective.

Section II – Grant Results

Products produced during the grant period:

- 1) Contract and 2 Contract Amendments between RCRCA and Wenck Associates, Inc.
- 2) TMDL report (anticipated Public Notice in August 2022)
- 3) Cottonwood River WRAPS Report (anticipated Public Notice in August 2022)
- 4) Data files produced by Wenck Associates, Inc. (now Stantec)
 - a) Sediment Core Analyses of Double Lake (North) and Sleepy Eye Lake
 - b) Fish sampling upon Double Lake (North) and Sleepy Eye Lake for rough fish population
- 5) Maps produced by Wenck Associates, Inc. (now Stantec)
- 6) Subwatershed Analyses Report (36 subwatersheds) – flashdrives given to each LWG partner
- 7) PowerPoint and tri-fold handouts for the Elected Officials Meeting (March 1, 2018)
- 8) Semi-Annual Reports in 2018, 2019, 2020 & 2021
- 9) Final Report
- 10) Quarterly invoices to MPCA in 2018, 2019, 2020 and 2021. Two invoices in 2022.
- 11) Photos

Long-Term Results:

The outcomes of this project centered on the development and approval of the TMDL and WRAPS reports for the Cottonwood River Watershed. Through the IWM, numerous impairments were found and are now listed on the 303(d) list. As this process transitions into the One Watershed, One Plan planning process, the documents will be thoroughly utilized to **prioritize** the subwatersheds needing the most restoration/protection, **target** the most effective BMPs to be used for the most impact, and **measure** the outcomes using a variety of tools and models. An application for a One Watershed, One Plan planning grant was submitted in June 2022 with hopes of award in August 2022. The planning grant will extend the partnership's working relationship for two years, and when implementation funding becomes available, the partnership will go on as long as funding is provided for projects. The LWG partners look forward to continuing cooperation for the betterment of the Cottonwood River Watershed.

The creation of the Subwatershed Analysis Reports have more than paid for themselves as that information helped obtain \$400,805 in Clean Water Fund grant for the Plum Creek watershed, and \$648,075 for the Pell Creek subwatershed. These grants are focused on reducing the sediment/TSS for which both subwatersheds are highly impaired. It is anticipated that additional grant funding will be generated by the use of these reports.

Aside from the public informational meetings and Elected Officials meeting, there was one event where publicity of the project was highlighted. An illegal dumping of 2.04 tons of tires into Highwater Creek occurred in the fall of 2020. Local residents removed approximately 120 tires from the water and piled the tires onto trailers. Financial assistance was sought for the proper disposal of the tires. RCRCA was contacted and agreed to provide funding for tire recycling at the Cottonwood County Sanitary Landfill located 10 miles from the dumping site. Cottonwood County graciously offered a discounted rate per ton given the circumstances. Lamberton Township provided the transportation of the

tires to the landfill. RCRCA provided a story to the local newspapers and radio stations about the illegal dumping, acknowledged the stewardship provided by all the parties, the ongoing TMDL and WRAPS process of which Highwater Creek is included, and a request for people to report any information about the incident to the sheriff's office. Although the offender has not been made known, the publicity gained by this group effort was beneficial.

All brochures and reports generated by this project, and MPCA semi-annual grant reports are posted on RCRCA's website (www.rcrca.com). Once the Cottonwood River Watershed TMDL and WRAPS reports are through the public notice period, the link to the final documents will also be available on RCRCA's website.

The lessons learned from this project are numerous. The LWG partners had worked collaboratively before due to their 35-year affiliation with RCRCA, so trust and cooperation were strong. Three consultants were interviewed and the partners collectively agreed upon the selected firm. Despite the Covid-19 pandemic causing a 30-day shutdown in 2020, and restrictions upon in-person meetings, the work never waived and the partners continued their commitment with Wenck Associates to meet deadlines. Virtual meetings were well attended with productive results. Overall, the strong commitment from LWG partners was always exhibited despite any challenges encountered.

Section III – Final Expenditures



Project Budget

Doc Type: Contract

SWIFT # 136488
Agency Interest #: 194870
Activity ID#: PRO20170001

Project title: Cottonwood River WRAPS & TMDL Project

Project Budget	1. Personnel 2. Subcontractors						3. Other Expenses				Totals
	RCRCA Staff	LWG: SWCD/County Staff	Rates to 6-30-2018		Rates from 7-1-2018		Laboratory Analysis	Wenck Mileage	Meeting Supplies (Printing, Postage, etc)	RCRCA Mileage	
			Wenck Level 2	Wenck Level 3	Wenck Level 2	Wenck Level 3					
\$ Rate per Hour/Unit	\$58.00	\$40.00	\$95.55	\$134.81	\$97.48	\$137.52		Comm. Rate		Comm. Rate	
Obj. 1: TMDL Report Development (Effective to 6-30-2018)											
Task A: Data Review and Processing	12		32	8							\$4,832.08
Task B: Lake Sediment Core Sampling & Analysis	5		12	12			\$5,400.00	\$225.09			\$8,679.41
Task C: Source Assessments	7		24	12							\$4,316.92
Task D: TMDL Allocations Development											\$0.00
Task E: Develop Draft TMDL Report											\$0.00
Obj. 1: TMDL Report Development (Effective as of 7-1-2018)											
Task A: Data Review and Processing	8	0			16	8					\$3,123.84
Task B: Lake Sediment Core Sampling & Analysis							\$0.00	\$0.00			\$0.00
Task C: Source Assessments	9	0			92	28					\$13,340.72
Task D: TMDL Allocations Development					56	15.9					\$7,645.45
Task E: Develop Draft TMDL Report	24	57.5			92	83.5					\$24,143.10
Total for Objective 1 Hrs	65	57.5	68	32	256	135.4					613.9
Total for Objective 1 \$	\$3,770.00	\$2,300.00	\$6,497.40	\$4,313.92	\$24,954.88	\$18,620.23	\$5,400.00	\$225.09	\$0.00	\$0.00	\$66,081.52
Obj. 2: WRAPS Report Development (Effective to 6-30-2018)											
Task A: Develop Restoration & Protection Tables			15.9	16							\$3,676.21
Task B: Develop Subwatershed Analysis Reports	0	0	0	0							\$0.00
Task C: Develop Draft WRAPS Report	0	0	16	8							\$2,607.28
Obj. 2: WRAPS Report Development (Effective as of 7-1-2018)											
Task A: Develop Restoration & Protection Tables	16	0			84	84					\$20,667.98
Task B: Develop Subwatershed Analysis Reports	24	0			124.55	36.75					\$18,586.98
Task C: Develop Draft WRAPS Report	54	0			90.2	26					\$15,463.82
Total for Objective 2 Hrs	94	0	31.9	24	298.79	146.45					595.14
Total for Objective 2 \$	\$5,452.00	\$0.00	\$3,048.05	\$3,235.44	\$29,127.01	\$20,139.77	\$0.00	\$0.00	\$0.00	\$0.00	\$61,002.27
Objective 3: Project Participation (Effective to 6-30-2018)											
Task A: TMDL/WRAPS Meetings (Wenck 2 & LWG 2)	12	0	8	16				\$145.52	\$109.48	\$124.81	\$3,997.17
Objective 3: Project Participation (Effective as of 7-1-2018)											
Task A: TMDL/WRAPS Meetings (Wenck 9 & LWG 12)	72	91			48.4	148		\$821.84	\$1,395.24	\$145.55	\$35,249.62
Total for Objective 3 Hrs	84	91	8	16	48.4	148					395.4
Total for Objective 3 \$	\$4,872.00	\$3,640.00	\$764.40	\$2,156.96	\$4,718.03	\$20,352.96	\$0.00	\$967.36	\$1,504.72	\$270.36	\$39,246.79
Objective 4: TMDL/WRAPS Comments											
Task A: Address Comments for TMDL/WRAPS Reports	0	0			102.55	37	\$0.00	\$0.00	\$0.00		\$15,084.82
Total for Objective 4 Hrs	0	0	0	0	102.55	37					139.55
Total for Objective 4 \$	\$0.00	\$0.00	\$0.00	\$0.00	\$9,996.58	\$5,088.24	\$0.00	\$0.00	\$0.00	\$0.00	\$15,084.82
Objective 5: Project Administration											
Task A: Fiscal Tracking & Progress Reporting	320.42										\$18,584.60
Total for Objective 5 Hrs	320.42	0	0	0	0	0					320.42
Total for Objective 5 \$	\$18,584.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18,584.60
Total Project Hours	563	149	107.9	72.0	706	467					2065.06
FTE for Project	0.99										
Total	\$32,678.60	\$5,940.00	\$10,309.85	\$9,706.32	\$68,796.50	\$64,201.20	\$5,400.00	\$1,192.45	\$1,504.72	\$270.36	\$200,000.00