



Annette DeMaria, P.E., PMP  
Executive Director

## DRAFT AGENDA

September 24, 2020, 1:30 – 3:00 p.m.

By computer: <https://global.gotomeeting.com/join/325956837>

By phone: 646-749-3122, Access Code: 325-956-837

Auburn Hills  
Beverly Hills  
Bingham Farms  
Birmingham  
Bloomfield Hills  
Bloomfield Twp.  
Canton Twp.  
Commerce Twp.  
Dearborn Heights  
Farmington  
Farmington Hills  
Franklin  
Garden City  
Henry Ford College  
Inkster  
Lathrup Village  
Livonia  
Melvindale  
Northville  
Northville Twp.  
Novi  
Oak Park  
Oakland County  
Orchard Lake  
Plymouth  
Plymouth Twp.  
Redford Twp.  
Rochester Hills  
Romulus  
Schoolcraft College  
Southfield  
Troy  
University of  
Michigan-Dearborn  
Van Buren Twp.  
Walled Lake  
Washtenaw County  
Wayne  
Wayne County  
Wayne County Airport  
Authority  
West Bloomfield Twp.  
Westland  
Wixom  
  
Cooperating Partners:  
Cranbrook Institute of Science  
Friends of the Rouge  
Great Lakes Water Authority  
Rouge River Advisory Council  
SEMOG  
Southeastern Oakland  
County Water Authority  
The Henry Ford

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Annette DeMaria, P.E., PMP  
Executive Director



Working together, restoring the river

## DRAFT MEETING SUMMARY ALLIANCE OF ROUGE COMMUNITIES

March 30, 2020, 1:30 – 3:00 p.m.  
GOTO Meeting

### 1. Welcome (Doug Moore, Chair)

**a. Roll Call /Determination of Quorum** - Roll call was taken. The 31 members listed below were in attendance, which was sufficient for a quorum.

ARC Member	Attended Y/N	ARC Member	Attended Y/N
Auburn Hills	Y	Oakland County	Y
Beverly Hills	Y	Oakland County Road Commission	N
Bingham Farms	Y	Oak Park	Y
Birmingham	Y	Orchard Lake	Y
Bloomfield Hills	N	Plymouth	Y
Bloomfield Twp.	Y	Plymouth Twp.	Y
Canton Twp.	N	Redford Twp.	N
Commerce Twp.	Y	Rochester Hills	Y
Dearborn Heights	N	Romulus	N
Farmington	Y	Schoolcraft College	Y
Farmington Hills	Y	Southfield	Y
Franklin	Y	Troy	Y
Garden City	Y	University of Michigan-Dearborn	N
Henry Ford College	N	Van Buren Twp.	N
Inkster	Y	Walled Lake	Y
Lathrup Village	Y	Washtenaw County	Y
Livonia	Y	Wayne	N
Melvindale	N	Wayne County	Y
Northville	Y	Wayne County Airport Authority	Y
Northville Twp.	Y	West Bloomfield Twp.	Y
Novi	Y	Westland	Y
		Wixom	N

**b.**

### **b. Additions or Changes to the Draft Meeting Agenda**

There were no additions or changes to the agenda. Annette DeMaria informed the Full ARC that all motions would move forward online immediately following the meeting.

### **c. Approval of November 20, 2019 Meeting Summary**

The online motion was made by Charles Markus, Bloomfield Twp., to approve the 11/20/19 Full ARC meeting summary. The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

### 2. Executive Director Report

#### **a. MS4 Permit Update**

Annette DeMaria reported that some of the townships have been issued their Public Notice draft of their new MS4 permit. EGLE is interested in getting them issued. If there are questions on your Public Notice draft when you receive it, reach out to Annette.

#### Cooperating Partners:

Cranbrook Institute of Science  
Friends of the Rouge  
Great Lakes Water Authority  
Rouge River Advisory Council  
SEMCOG  
Southeastern Oakland  
County Water Authority

A 501(c)(3) Organization – [www.allianceofrougecommunities.com](http://www.allianceofrougecommunities.com)

46036 Michigan Ave., Suite 126, Canton, MI 48188 – Ph: 734-272-0291 Email: [info@allianceofrougecommunities.com](mailto:info@allianceofrougecommunities.com)

Annette also reported that 27 members progress reports are due March 31, 2020. The ARC reached out to the members after the Covid-19 outbreak and offered to assist with the progress reports. To date ARC staff gave assistance to Walled Lake, Inkster, Novi, Southfield and Northville Township in completing their progress reports. A few members have asked for extensions. In preparation for the progress reports the ARC also had to report on the Collaborative IDEP and PEP plans. ARC staff completed them in mid-March and provided members the links to add into their progress reports. . The reports are available on the ARC's website for those members who are reporting in a different reporting cycle or are not participants in the collaborative plans.

Annette also reported that ARC staff provided some guidance in January for the progress reports and how to navigate MiWaters, as this was the first time submitting them through there.

Annette reported that ARC staff updated all three collaborative plans (Public Ed, IDEP and TMDL) to incorporate Schoolcraft College and Willow Run Airport.

#### **b. Call for Projects**

Annette asked the members if they had any habitat restoration, green infrastructure, stormwater management or environmental projects that they would like to complete. If so, they should contact ARC staff who can start researching possible funding opportunities.

#### **c. Grant Status Report**

John O'Meara, ARC Staff reported the following:

##### **EPA Wayne County Rouge AOC Habitat Projects**

- **Henry Ford Estate DamFish Passage**
  - Work was ongoing until mid February 2020. Work has stopped until May/June 2020 and will finish up by August 1.
- **Oxbow Phase III Implementation**
  - Work completed other than maintenance which will be done through July 2020.

##### **EPA Rouge River AOC Habitat Restoration Design- Tamarack/Fish Hatchery**

- **Tamarack Wetland and Creek Restoration**
  - 75% design completed
  - Permitting to be done
  - Anticipated bidding August 2020
- **Johnson Creek Fish Hatchery Restoration**
  - Project went out to bid last Wednesday.
  - Project work will begin late May, early June

##### **EPA Rouge River AOC Habitat Restoration Implementation - Tamarack/Fish Hatchery**

The ARC has received from EPA the grant for Johnson Creek and Tamarack Implementation. QAPP was submitted to EPA. Anticipate construction of Johnson Creek to start in May/June 2020 and Tamarack Creek in September/October 2020.

### **EPA Rouge River AOC Seeley Creek Habitat Restoration**

- Full design and implementation project
- Design anticipated by August 2020

### **GRANTS AWARDED**

#### **EGLE Rouge River AOC PAC Support**

EGLE awarded a grant to the ARC to continue coordination role for RRAC and development of the AOC habitat list project narratives. Also included in this grant are fish surveys in 2020/2021 and fall macroinvertebrate surveys in 2020/2021 to be completed by FOTR.

#### **Wayne County EPA Rouge River AOC Wayne County Parks Habitat Restoration Design project (pending Wayne County Commission)**

Wayne County received a GLRI grant to complete the design on 5 AOC habitat projects located within Wayne County Parks. Wayne County has initiated an IAA with the ARC to complete this work. Work will begin in April 2020.

### **GRANTS SUBMITTED**

#### **EPA Rouge River AOC – Venoy & Colonial Habitat Restoration**

EPA has notified the ARC that it intends to award the ARC a \$1,834,000 GLRI grant: EPA Rouge River AOC – Venoy & Colonial Habitat Restoration. The ARC has currently been asked by EPA to prepare and submit the official grant documentation so that the grant can begin May 15, 2020. This grant will be for the management, design and implementation of 2 Rouge AOC habitat restoration projects. These projects include wetland restoration, reforestation, and installation of fish habitat structures.

### **3. Treasurers/Finance Committee Report**

#### **a. Open ARC Treasurer position**

Brandy Siedlaczek, Interim ARC Treasurer reported that Kate Richardson from the City of Novi volunteered to be the new ARC Treasurer. Per the by-laws, the floor was opened for others interested in the position. There were no other volunteers. Annette provide background as to why a new Treasurer is required. Jill Rickard with Northville Township was the previous Treasurer who has since moved on to a different firm and out of the watershed.

The online motion was made by Charles Markus, Bloomfield Twp., to approve the appointment of Kate Richardson, Novi, as ARC Treasurer. The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

#### **b. 2020 A/R, A/P and Profit/Loss Reports**

Chris O'Meara, ARC staff reported on the accounts receivable report which included any outstanding member dues that went out with the first round of mailing (8 member dues received to date). In addition to the outstanding dues, the SAW Grant is outstanding and waiting on EGLE to release the last reimbursement request that was turned in. Wayne County DOE also shows on the receivables report for a reimbursement request for the Henry Ford Fishway/Oxbow project.

Chris also reported that before staff was required to “Stay at Home” all checks that were received for dues were deposited on Monday, March 23, 2020 and the ARC also paid any outstanding invoices (Friends of the Rouge and ECT).

**c. 2019 Audit**

Chris O’Meara, ARC staff reported that the ARC was able to provide the files to the accountant and they are currently working on the audit for 2019.

**d. 2020 & 2021 Planned 2% Dues Increase**

Chris O’Meara, ARC Staff reviewed the ARC’s current dues and what ARC member dues would be in 2021 for community’s budget planning.

**e. Revision to Accounting Procedures Manual**

Chris O’Meara, ARC Staff reported that the accountant informed the ARC that the federal government was going to be making some changes to the way nonprofits do their recordkeeping. The accountant suggested we make a revision to the Accounting Procedures Manual. The ARC already started to implement these procedures last year. The paragraph to include in the manual was provided by the accountant.

The online motion was made by Charles Markus, Bloomfield Twp., to approve the revision to the Accounting Procedures Manual. The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

**f. 2020 Budget Amendments & Adjustments**

Budget Adjustments

Annette DeMaria reported there were some budget adjustments to highlight. The first set of adjustments reflect the previous recommendation from the ARC accountants to breakdown the line items under the Executive Director’s budget into Program Management, Fundraising and Direct Expenses to meet the federal guidelines. The second item was the IDEP investigation. On this line item, Wayne County has agreed to forgo receiving any funding from the ARC to do IDEP training and working on IDEP investigation activities. The budget has been adjusted to reflect that they will not receive a portion and will be providing the work in-kind. This added around \$30,000 into the ARC’s unallocated budget.

Annette also reported that the other adjustments affected multi-year grants and now show the available budget based on the ARC’s fiscal year (Jan-Dec). Instead of the full amount on the budgets for the grants, the budget now reflects what is to be spent in 2020 versus 2021.

Budget Amendment: SPAC11 EGLE RRAC 2020-2021 Support Grant

John O’Meara reviewed the grant that the ARC received to support the activities of the RRAC and for FOTR to do monitoring activities over the next two years. It adds the \$75,000 grant to the ARC budget with no match required. This is 100% reimbursement by EGLE.

The online motion was made by Charles Markus, Bloomfield Twp., to approve adding the new \$75,000 SPAC Grant for RRAC facilitation and FOTR activities to the 2020 budget.

The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

Budget Amendment: WCEPA3 Rouge River AOC Wayne County Parks Habitat Restoration Design Project

John O'Meara stated that this grant is a sub-award from Wayne County for the ARC to support Wayne County Parks Habitat Restoration under the EPA grant. He informed the Full ARC that the IAA is currently being reviewed by the Wayne County Commission. The ARC's portion is \$731,000. John anticipates this starting within the next month or two. John asked if there were any questions. Sally from FOTR asked if the Lower Rouge Habitat Restoration was put with the Wayne County Parks project? John confirmed, yes.

The online motion was made by Charles Markus, Bloomfield Twp., to approve adding the new \$731,000 Wayne County EPA Grant for parks habitat restoration design, upon Wayne County Commission IAA award, to the 2020 budget. The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

**g. ECT Contract Amendment**

Work Order No. 2020-2 EGLE RRAC Support Grant

John O'Meara reviewed the contract amendment that adds the work order to ECT's contract for the EGLE PAC Support Grant for the RRAC facilitation and preparation of the habitat project descriptions.

The online motion was made by Charles Markus, Bloomfield Twp., to approve the ECT Contract Amendment adding Work Order No. 2020-2 for the SPAC Grant in the amount of \$31,000. The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

Work Order No. 2020-3 EPA Rouge River AOC WC Parks Habitat Restoration Design Grant

John O'Meara reviewed the work order that adds the EPA grant activities to ECT's contract, upon Wayne County Commission approval of the IAA. The work order adds overall grant management, preliminary engineering and field investigation in addition to the design of the 5 parks. It also includes development of construction documents.

The online motion was made by Charles Markus, Bloomfield Twp., to approve the ECT Contract Amendment adding Work Order No. 2020-3 for the EPA Rouge River AOC WC Parks Habitat Restoration Design Grant, upon IAA Award, in the amount of \$731,000. The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

**4. Standing Committee Reports**

**a. Organization Committee**

ARC Bylaws Revision

Annette reviewed the recommended change to the ARC Bylaws that changes the number of times the Executive Committee is required to meet. Currently, it is four times a year and the recommended change is to meet as needed without a specific number each year. The revision was originally discussed at the November 2019 Full ARC meeting which started the 30-day review period required by the ARC Bylaws.

The online motion was made by Charles Markus, Bloomfield Twp., to approve the amendment to the ARC Bylaws adjusting the number of Executive Committee meetings from a specific number of “at least four times each year” to a broad statement of “regularly scheduled” meetings to complete ARC activities. The motion was seconded by Brandy Siedlaczek, Southfield. The online motion passed unanimously with 31 yay votes and 0 nay.

**b. PIE Committee**

Jacy Garrison, Oakland County, reported that the ARC members should have received copies of the new homeowners brochure, Watershed Wisdom, please display and include in your new homeowners packets if you hand them out. Let ARC Staff know if you need more copies.

ARC staff sent mailings to all realtors in the watershed offering copies of the new Homeowners Brochure for them to hand out with their home sales, unfortunately we did not receive any requests for copies from any realtor. Each mailing included a copy of the brochure. Staff will be following up with phone calls to the realtors.

ARC staff will be emailing homeowner associations next to see if they would like copies of the brochure mailed to them to distribute.

This year we will be creating 1 new brochure (possibly geared toward businesses), 1 new article and ad graphic for use in community newsletters and social media, and 1 new static display that can be rotated through the watershed for the general public to see. We will also be hosting 1 webinar. Friends of the Rouge will also be doing a workday at an established green infrastructure site that needs maintenance.

The survey of the road signs “entering the Rouge River Watershed, ours to protect” will be finished this year providing areas that need maintenance or new signage.

**c. Technical Committee**

Karen Mondora reported that the Technical Committee met on March 6, 2020. 26 of 31 permittees were in attendance. The meeting summary for this meeting was distributed by ARC Staff. Discussions included IDEP findings for 2019, Oakland County had 8 category A&B outfalls that were investigated and 25 category C outfalls that were resampled. The draft collaborative IDEP plan progress report was also discussed.

Annette showed status of the IDEP investigations over the last two years via PowerPoint slides. This was an excerpt from the IDEP plan progress report.

**5. Report from Cooperating Partners**

Cranbrook

Michelle, with Cranbrook reported the Spring into Science event was canceled and those who were registered should receive notice.

SEMOG

Katie reported SEMCOG offices are closed until May due to Covid-19. They are trying to do multiple online seminars. They released a toilet paper PSA of what is appropriate to flushed down the toilet. Here are the links to the [video](#) and to [the webinar](#) with Senator Peters. The Transportation Alternatives training projects are holding a webinar

Wednesday, noon-1pm. Best Practices for Education Leaders is on April 9 from 10-11am. Parks and Recreation data run through will be April 10 from 1-2pm. Please check SEMCOG's website for more information.

#### Friends of the Rouge

Sally, FOTR reported their offices are closed and are working from home. They postponed their annual meeting and the Earth Day Great Global Cleanup which more than likely will be canceled. They had to cancel their second Frog and Toad workshop training. They did a master rain gardener training in Livonia and one was online. They are trying to go more online and are using #natureisopen. FOTR have not yet made a decision to cancel Rouge Rescue. In the meantime, they are working on a new challenge where people get points for cleaning their backyard, naming plants, etc. in mid-April.

Sally also reported that they were invited to submit a proposal to National Fish and Wildlife Federation for a project to open log jams on the Water Trail.

The spring bug hunt is also canceled. They are working with the communities who were included.

Marie McCormick mentioned they are going to be offering a virtual rain gardens 101 course that will be streamed Facebook live on April 11 which is free to the public. Links below:

Website: <https://therouge.org/lawnstolife/>

Facebook event: <https://www.facebook.com/events/180575223314003/>

Shareable facebook

post: <https://www.facebook.com/FriendsoftheRouge/posts/10156866735511237>

She also mentioned they are in discussion with Michigan Sea Grant and MSU about offering their water school as a virtual option. That is scheduled for May 18 and 19. They are considering going forward in person, but the location host is canceling.

#### Great Lakes Water Authority

As part of the watershed subcommittee, the ARC participated in the development of GLWA's Wastewater Master Plan. The plan was completed in 2019 and Sherri Gee gave a presentation that summarized the plan and the water quality monitoring component.

### **6. Report from Counties**

Jacy Garrison, Oakland County, mentioned that they don't have any new information regarding the approval of their stormwater standards. Jacy also mentioned that they put together a summary for community use regarding phase two stormwater reporting.

Heather Rice, Washtenaw County, mentioned the in-person master rain gardener course was canceled. She is hoping for online courses in July/August. They are still hoping to have their native plant sale with the Conservation District.

Noel Mullett, Wayne County, reported that they don't have any new information regarding their stormwater standards and the public notice of the MS4 permit. The Household Hazardous Waste collection scheduled for April, is most likely canceled.

## **7. Report from EGLE**

Marty Hendges, EGLE, gave the status of the MS4 reporting. Of the 27 Rouge permittees that have reports due, as of March 31 he has received 13. A few communities have asked for an extension. There are around 6 townships that were sent to Lansing. He is waiting for comments on the draft permits.

Jack Cotrone, EGLE, wanted to update everyone on the non-point source program. 319 Grant season is approaching. They don't have an exact date for the RFP release date. Those communities who worked on the Pebble Creek watershed management plan which was completed would be a good grant cycle to the implementation of that plan started (Southfield, W. Bloomfield Township, Farmington Hills, Oakland County and SEMCOG).

## **8. Opportunity for Public Comment**

There were no public comments.

## **9. Summary of Actions of Full Alliance**

The 8 motions were voted online beginning March 30 and closed on March 31. All votes were approved unanimously and are summarized below:

- Approved the 11/20/19 Full ARC meeting summary
- Approved the of appointment of Kate Richardson (Novi) as ARC Treasurer
- Approved the revision to the Accounting Procedures Manual adding language required by new federal guidelines for nonprofits.
- Approved adding the new \$75,000 SPAC Grant for RRAC facilitation and FOTR activities to the 2020 budget.
- Approved adding the new \$731,000 Wayne County EPA Grant for parks habitat restoration design upon Wayne County IAA Award to the 2020 budget.
- Approved the ECT Contract Amendment adding Work Order No. 2020-2 for the SPAC Grant in the amount of \$31,000.
- Approved the ECT Contract Amendment adding Work Order No. 2020-3 for the EPA Rouge River AOC WC Parks Habitat Restoration Design Grant upon IAA Award in the amount of \$731,000.
- Approved the amendment to the ARC Bylaws adjusting the number of Executive Committee meetings from a specific number of "at least four times each year" to a broad statement of "regularly scheduled" meetings to complete ARC activities.

## **10. Other Business**

There was no other business discussed.

## **11. Adjourn**

The meeting was adjourned.

## **ONGOING ARC GRANT PROJECTS STATUS – 9/9/2020**

### **SAW Grant: Monitoring and Stormwater Management Planning**

- ARC's final reimbursement request was approved, direct deposit received and grant closed out.

### **EPA Wayne County Rouge AOC Habitat Projects**

- **Henry Ford Estate Dam Fish Passage**
  - Work has been completed on the site less some punch list items, site restoration, and vegetation maintenance. Lowering of the water control will not take place for at least one year.
- **Oxbow Phase III Implementation**
  - Work completed. Replacement of a few trees to occur this month.

**EPA Rouge River AOC Habitat Restoration Design- Tamarack/Fish Hatchery (\$583,220)**– The ARC received a grant from EPA for design engineering for the restoration of Tamarack Creek/wetland and habitat restoration on Johnson Creek at Fish Hatchery Park. These two priority projects were considered the next one that would have significant impact on the removal of the BUIs in the Rouge AOC.

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• <b>Tamarack Wetland and Creek Restoration</b> <ul style="list-style-type: none"> <li>○ Property owners' meetings &amp; authorizations</li> <li>○ MDOT Permit</li> <li>○ 99% design completed</li> <li>○ EGLE permit application submitted</li> <li>○ Technical specs drafted</li> <li>○ Anticipated bidding Jan 2021</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• <b>Johnson Creek Fish Hatchery Restoration</b> <ul style="list-style-type: none"> <li>○ Project was bid in April 2020</li> </ul> </li> </ul> |
|--|---|

### **EPA Rouge River AOC Habitat Restoration Implementation - Tamarack/Fish Hatchery (\$3,367,559)**

The ARC has received from EPA the grant for Johnson Creek and Tamarack Implementation.

- QAPP was approved by EPA.
- Time Extension to April 2023 and Cost Increase for Tamarack FEMA CLOMAR approved
- **Johnson Creek Fish Hatchery Restoration**
  - Construction started in August 2020
  - Project Substantial completion October 2020
- **Tamarack Creek Restoration**
  - None at this time

### **EPA Rouge River AOC Seeley Creek Habitat Restoration (\$815,000)**

The ARC has received from EPA of award of the grant for Seeley Creek in Farmington Hills.

- After the QAPP was completed and approved, topographical survey was completed in early December 2019
- Desk top T&E Review was conducted in January 2020
- Started existing conditions hydraulic analysis in February 2020
- Stream assessment, habitat assessment, and wetland delineation occurred in March and April 2020
- Vegetation mapping, data processing, and proposed conditions modeling conducted in May 2020
- Design started and base map generation occurred in June 2020
- Design progressed, including stream structure layout, bankfull bench layout, and invasive species treatment layout in July 2020
- EGLE/ USACE permit application was started and design drawings progressed in August 2020

### **EGLE Rouge River AOC PAC Support (\$75,000)**

EGLE awarded a grant to the ARC to continue coordination role for RRAC and development of the AOC habitat list project narratives. Also included in this grant are fish surveys in 2020/2021 and fall macroinvertebrate surveys in 2020/2021 to be completed by FOTR.

- FOTR QAPP For Benthic and Fish Monitoring approved
- FOTR fish survey in July 2020

- Update 3 Project Narratives
- Update AOC habitat project funding listing
- RRAC meeting held June 3, 2020
- Plan RRAC meeting for September 29, 2020.

#### **Wayne County EPA Rouge River AOC Wayne County Parks Habitat Restoration Design (\$731,000)**

Wayne County received a GLRI grant to complete the design on 5 AOC habitat projects located within Wayne County Parks. Wayne County has initiated an IAA with the ARC to complete this work.

- QAPP approved by EPA
- Topo and Tree surveys completed for Riverview, Bell Creek, Lola, and Sherwood
- Wetland & Desktop T&E surveys completed for Riverview, Bell Creek, Lola, and Sherwood
- Field investigation of Lower Rouge project completed
- Design concepts for all 5 project sites completed
- Grant and IAA time extension Until October 2021

#### **EPA Rouge River AOC Habitat - Colonial & Venoy Restoration (\$1,834,000)**

The ARC has received from EPA of award of the grant for the design and implementation of restoration at Colonial Park and Venoy Park in the Wayne County Park system. Anticipated construction summer 2021 for both sites.

- QAPP approved by EPA
- Topo and Tree surveys completed for both sites
- Wetland field surveys in process

### **GRANTS AWARDED**

#### **EPA Rouge River AOC Habitat Restoration Implementation- Wayne County Parkland (\$4,222,090)**

The ARC has received from EPA of award of the grant for the restoration at the 5 Wayne County parkland sites (Lower Rouge River, Riverview, Bell Creek, Lola, and Sherwood) in the Wayne County Park system. This is the implementation of the designs being developed under the ARC's design work for Wayne County.

- QAPP will be developed in September/October 2020
- Lower Rouge and Sherwood construction 2021
- Bell and Lola construction 2022
- Riverview construction 2023

### **SUBMITTED GRANTS**

#### **GLRI USDA Forest Service – Reducing Runoff in the Rouge River AOC (\$261,780)**

- Expect award notice in September with start date of October 2020
- Reduce runoff program area – project will intercept a total of 1.3 million gallons annual runoff by planting of 895 trees and installation of 2.9 acres of green infrastructure, throughout the Rouge River Watershed in 17 communities and across 3 counties. In addition to tree installation, green infrastructure will be installed in the form of rain gardens, bio retention installation and expansion, and native plant grow zone areas.

3:04 PM

09/18/20

**Alliance of Rouge Communities**  
**A/R Aging Summary**  
**As of September 18, 2020**

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	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Bloomfield Hills	0.00	0.00	0.00	0.00	3,176.00	3,176.00
EGLE - PAC grant	2,500.00	0.00	5,108.50	4,192.50	1,840.00	13,641.00
Wayne County DOE	54,697.29	0.00	115,039.11	79,597.50	0.00	249,333.90
<b>TOTAL</b>	<b><u>57,197.29</u></b>	<b><u>0.00</u></b>	<b><u>120,147.61</u></b>	<b><u>83,790.00</u></b>	<b><u>5,016.00</u></b>	<b><u>266,150.90</u></b>

3:05 PM  
09/18/20

Alliance of Rouge Communities  
A/P Aging Summary  
As of September 18, 2020

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Environmental Consulting & Technolo...	79,437.84	0.00	0.00	0.00	0.00	79,437.84
Next Day Flyers	0.00	0.00	0.00	0.00	-0.53	-0.53
TOTAL	79,437.84	0.00	0.00	0.00	-0.53	79,437.31

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09/18/20

Accrual Basis

# Alliance of Rouge Communities

## Profit & Loss Budget vs. Actual

### January through December 2020

	Jan - Dec 20	Budget
<b>Ordinary Income/Expense</b>		
<b>Income</b>		
47200 · Program Income		
4790 · 2020 ARC Membership Dues	330,142.00	330,143.00
<b>Total 47200 · Program Income</b>	330,142.00	330,143.00
47500 · Contributions		
47500.1 · Contributions-Donated Service	25.00	
<b>Total 47500 · Contributions</b>	25.00	
48000 · Grants		
48913 · EGLE PAC Supt 11 RRAC Fac 20...	13,641.00	40,000.00
60665 · WC EPA1 HFE Fishway	46,549.58	45,000.00
60666 · WC EPA2 Oxbow Phase 3	1,766.25	2,500.00
60666.1 · WC EPA3 AOC Parks Habitat R...	236,557.10	731,000.00
60667 · EPA3 Tamarack/Johnson Creek	148,979.14	175,000.00
60667.1 · EPA4-Implement Tam/Johnson...	19,741.68	2,000,000.00
60667.2 · EPA5-Seeley Creek Hab Res	39,486.95	115,000.00
60667.3 · EPA6A-RR AOC Venoy	5,175.00	180,500.00
60667.4 · EPA6B-RR AOC Colonial	5,460.00	
60667.5 · EPA7-WC 5 Parks Implementati...	0.00	30,000.00
<b>Total 48000 · Grants</b>	517,356.70	3,319,000.00
<b>Total Income</b>	847,523.70	3,649,143.00
<b>Expense</b>		
60400 · ARC Awards and Grants		
60410 · Executive Director Services		
60410.2 · 101 Program Support	41,328.38	62,100.00
60410.3 · 102 MGT Admin & Financial	27,163.86	53,800.00
60410.4 · 103 Funding - grants	11,638.75	11,840.00
<b>Total 60410 · Executive Director Services</b>	80,130.99	127,740.00
60420 · Public Involv. & Education Com.		
60420.1 · PIE1-Col PEP/PPP Annual act.	27,207.25	53,780.00
60420.2 · PIE2-Col PEP/PPP 5yr activit...	11,115.85	29,580.00
<b>Total 60420 · Public Involv. &amp; Education ...</b>	38,323.10	83,360.00
60430 · Technical Committee		
60430.5 · IDEP Investigations	15,162.29	30,000.00
60432.1 · TC1-Col IDEP/TMDL annual	15,367.86	20,800.00
60432.2 · TC2-Col IDEP/TMDL 5yr	15,375.00	10,280.00
<b>Total 60430 · Technical Committee</b>	45,905.15	61,080.00
<b>Total 60400 · ARC Awards and Grants</b>	164,359.24	272,180.00
604608 · SPAC11 RRAC Facilitation 2020	13,641.00	40,000.00
606651 · WC EPA1 HFE Fishway	46,549.58	45,000.00
606652 · WC EPA2 Oxbow Phase 3	1,766.25	2,500.00
606653 · EPA3 Tamarack/Johnson Creek	148,979.14	175,000.00
606655 · EPA5-Seeley Creek Hab Restor.	39,486.95	115,000.00
606656 · EPA4-Implement Tam/Johnson Crk	19,741.68	2,000,000.00
606657 · WC EPA3 AOC Parks Habitat Rest.	236,557.10	731,000.00
606658 · EPA6A-RR AOC Venoy	5,175.00	180,500.00
606659 · EPA6B-RR AOC Colonial	5,460.00	
606660 · EPA7 WC 5 Park Implementation	0.00	30,000.00
60900 · Business Expenses	4.00	

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09/18/20

Accrual Basis

**Alliance of Rouge Communities**  
**Profit & Loss Budget vs. Actual**  
 January through December 2020

	Jan - Dec 20	Budget
62100 · Contract Services		
62110 · FC1-Accounting Fees	18,513.00	18,000.00
62140 · FC1-Legal Fees	0.00	1,000.00
65120 · FC2-Insurance - D&O	986.00	1,000.00
65121 · Mailbox and web hosting fee	104.85	1,500.00
<b>Total 62100 · Contract Services</b>	<b>19,603.85</b>	<b>21,500.00</b>
<b>Total Expense</b>	<b>701,323.79</b>	<b>3,612,680.00</b>
<b>Net Ordinary Income</b>	<b>146,199.91</b>	<b>36,463.00</b>
<b>Net Income</b>	<b>146,199.91</b>	<b>36,463.00</b>

## Chris E. O'Meara

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**From:** Chris E. O'Meara  
**Sent:** Friday, August 07, 2020 9:13 AM  
**To:** Chris E. O'Meara  
**Subject:** Full ARC E-votes PASSED

ARC Members,

Thank you for your e-votes! With 24 yay and 0 nay the below items have passed and will be added to the ARC's budget. If you have not voted, you don't need to at this point since we are with the majority. Thank you all for your quick responses!

Chris O'Meara  
 ARC Staff

Working remotely, please use my cell phone: 734-740-5010

734-272-0289  
 Alliance of Rouge Communities  
 46036 Michigan Ave., Suite 126  
 Canton, MI 48188

-----Original Message-----

**From:** Chris E. O'Meara <comeara@ectinc.com>  
**Sent:** Monday, August 03, 2020 10:00 AM  
**To:** Chris E. O'Meara <comeara@ectinc.com>  
**Subject:** Full ARC E-votes needed

ARC Members,

I have 2 items that I am hoping to get your vote on by Friday 8/7/20. Below is a brief description, and the detailed items are attached. These have already been reviewed and approved by the Executive Committee and now move to you to vote as the Full ARC.

1. 2020 ARC Budget Amendment FC4: Adding the new grant EPA7 line item – Rouge River AOC Habitat Restoration Implementation - Wayne County Parkland. Below is a summary and the detailed Budget Amendment is attached for your review.

The EPA awarded a GLRI grant in the amount of \$4,222,090 to the ARC. The project period is from August 1, 2020 – December 31, 2023. This grant is to restore 122 acres of habitat, eliminate 10 debris jams, and create 10 fish habitat structures in the Rouge River Area of Concern in Wayne County Parklands including Riverview, Sherwood, Lola Valley, Bell Creek, and along the Lower Rouge River. This restoration will also contribute primarily towards Action Plan III, Measure of Progress 1.1.2, Beneficial Use Impairments (BUIs) removed in Areas of Concern, addressing three BUIs: Degraded Fish and Wildlife Populations, Degradation of Benthos, Loss of Fish and Wildlife Habitat. The Catalog of Federal Domestic Assistance (CFDA) title is Great Lakes Program and the CFDA number is 66.469. The federal grant number is GL-00E02896.

This amendment will add \$30,000 to the 2020 budget with any budget remaining at the end of 2020 incorporated into future budgets as the project period is August 1, 2020 – December 31, 2023. The ARC will be reimbursed by 100% grant funds for this line item and it will require no additional funds from the ARC.

2. 2020 ECT Contract Amendment: Adding Work Order 2020-5 to ECT's contract to include activities related to the EPA7 Budget Amendment above. This Work Order will increase ECT's contract by \$531,840. Activities include Grant Reporting/Administration/Public Outreach, Construction Contractor Selection and Construction Oversight including field engineering oversight and administration oversight services. Detailed activities can be found in the attached Work Order.

This Work Order will be paid by 100% grant funds with no additional cost to the ARC.

Please let me know if you have any questions or require additional information.

Please respond to this email with your Yay or Nay vote in the subject line by 8/7/20 if possible.

Thank you.

Chris O'Meara  
ARC Staff

Working remotely, please use my cell phone: 734-740-5010

734-272-0289  
Alliance of Rouge Communities  
46036 Michigan Ave., Suite 126  
Canton, MI 48188

**Alliance of Rouge Communities  
DRAFT 2020 Budget**

APPROVED: 11/20/2019  
AMENDMENTS 30/2020, 5/26/20, 8/7/20

2020 Anticipated Dues from Communities	\$330,143 <sup>(10)</sup>	TOTAL 2020 ARC FUNDING	\$428,394
Rollover funds from 2019 (estimate) <sup>(3)</sup>	\$98,251	TOTAL 2020 OUTSIDE FUNDING	\$3,357,500
Total ARC Dues Available	\$428,394	TOTAL 2020 FUNDING	\$3,785,894
2020 ARC Activities Budgeted	\$315,030	TOTAL 2020 ACTIVITY COST (Committee & Grants)	\$3,672,530
2020 estimated balance (estimated 2021 rollover)	\$113,364	TOTAL 2020 ESTIMATED BALANCE (ALL SOURCES)	\$113,364

Note<sup>(3)</sup>: in 2019 \$50,000 was put aside for future use to meet sampling requirements and is not included on this budget.

Proposed ARC Budget Items		Activity Cost	ARC Dues	Funding Source					Other Source/Match	"Provider" Using Budget (1)
Organization Committee										
OC1	Executive Director Operational Services									
	101-Program	\$ 62,100	\$ 62,100							ED
	102-Management	\$ 53,800	\$ 53,800							ED
	103-Fundraising	\$ 11,840	\$ 11,840							ED
	ARC Operations - Direct Expenses	\$ 1,500	\$ 1,500							ARC
Organization Committee Total		\$ 129,240	\$ 129,240							
Finance Committee										
FC1	Accounting/Legal Services	\$ 19,000	\$ 19,000							ARC
FC2	ARC Insurance	\$ 1,000	\$ 1,000							ARC
Finance Committee Total		\$ 20,000	\$ 20,000							
ARC Operational Services Total		\$ 149,240	\$ 149,240							
Public Education and Involvement Committee										
PIE1	Collaborative PEP/PPP Annual permit activities	\$ 29,780	\$ 29,780							ED
	Watershed Monitoring	\$ 10,000	\$ 10,000							FOTR
	Printing and Reporting	\$ 14,000	\$ 14,000							ARC/FOTR/SEMCOG
PIE2	Collaborative PEP/PPP -5yr Permit Cycle activities	\$ 23,270	\$ 23,270							ED
	Permit Cycle Support	\$ 6,310	\$ 6,310							ED/ARC/FOTR
PIE Committee Total		\$ 83,360	\$ 83,360					\$ -		
Technical Committee										
TC1	Collaborative IDEP/TMDL annual permit activities	\$ 20,800	\$ 20,800							ED
	IDEP Investigation <sup>(9)(14)</sup>	\$ 92,350	\$ 51,350					\$41,000		WC/Outside
TC2	Collaborative IDEP/TMDL 5yr permit cycle activities (1/5)	\$ 10,280	\$ 10,280							ED
Technical Committee Total		\$ 123,430	\$ 82,430	\$ -	\$ -	\$ -	\$ -	\$ 41,000		
Total Amount Requested by All Committees		\$ 356,030	\$ 315,030	\$ -	\$ -	\$ -	\$ -	\$ 41,000		
Grants (2)										
		Activity Cost	ARC Match Dues	SPAC Grant	USFS	EPA	Wayne County	Other Source/Match	Outside Funding	
SPAC11 <sup>(4)</sup>	RRAC – Facilitation, habitat & fish thru 2/28/22	\$40,000	\$0	\$40,000						
WCEPA1 <sup>(8)</sup>	HFE Dam Fishway Implementation thru 8/1/21	\$45,000	\$0				\$45,000			
WCEPA3 <sup>(5)</sup>	AOC WC Parks Habitat Restoration thru 12/31/20	\$731,000	\$0				\$731,000			
EPA3	Rouge AOC Habitat Tamarack & JC Hatchery Design thru 7/31/20	\$175,000	\$0			\$175,000				
EPA4 <sup>(6)(13)</sup>	Rouge AOC Habitat Restoration Implementaion - Tamarack/Johnson thru 12/31/21	\$2,000,000	\$0			\$2,000,000				
EPA5 <sup>(7)</sup>	Rouge AOC Seeley Creek Habitat Restoration thru 10/29/21	\$115,000	0			\$115,000				
EPA6 (A&B) <sup>(1)</sup>	Rouge River AOC Colonial & Venoy Habitat Restoration thru 5/14/22	\$180,500	0			\$180,500				
EPA7 <sup>(12)</sup>	Rouge River AOC Habitat Restoration Implenetation - Wayne Co. Parkland thru 12/31/23	\$30,000				\$30,000				
Total Other Grants:		\$3,316,500	\$0	\$40,000	\$0	\$2,500,500	\$776,000	\$0		
TOTAL OUTSIDE FUNDING				\$40,000	\$0	\$2,500,500	\$776,000	\$41,000		\$3,357,500

TOTAL ARC DUES AVAILABLE	\$428,394
TOTAL ACTIVITIES BUDGETED	\$315,030
Available Unallocated ARC Budget (total income minus total ARC Dues budget)	\$ 113,364

**Notes**

- (1) ED - Executive Director Services, WC - Wayne County, OC - Oakland County, FOTR - Friends of the Rouge, SEMOG.
- (2) Dollar amounts may be adjusted throughout the year as they are estimates of what will be spent during the budget year.
- (3) In 2019 \$50,000 was put aside for future use to meet sampling requirements and is not included on this budget.

**Budget Amendments/Adjustments**

(4)	3/30/20 BUDGET AMENDMENT: ADDING SPAC11 - total award is \$75,000: \$40,000 budgeted for 2020 and remaining \$35,000 will be budgeted for 2021
(5)	3/30/20 BUDGET AMENDMENT: ADDING WCEPA3 - total award is \$731,000 budgeted for 2020
(6)	3/30/20 BUDGET ADJUSTMENT: To correct budget to \$2,000,000 available in 2020 and the remaining \$1,308,139 will be budgeted in 2021
(7)	3/30/20 BUDGET ADJUSTMENT: To correct budget to \$115,000 available in 2020 and the remaining \$700,000 will be budgeted in 2021
(8)	3/30/20 BUDGET ADJUSTMENT: To correct budget to \$45,000 available in 2020 and the remaining \$5,000 will be budgeted in 2021
(9)	3/30/20 BUDGET ADJUSTMENT: To reduce Wayne Co.'s budget and increase the match provided by Wayne Co.
(10)	3/30/20 BUDGET ADJUSTMENT: Dues increase with the addition of Schoolcraft College
(11)	5/26/20 EMAIL BUDGET AMENDMENT: ADDING EPA6 A & B - total award \$1,834,000: \$180,500 budgeted for 2020 and remaining will be allocated in 2021-22
(12)	8/7/20 EMAIL BUDGET AMENDMENT: ADDING EPA7 - total award \$4,222,090: \$30,000 budgeted for 2020 and remaining will be allocated in 2021-23
(13)	9/9/20 BUDGET AMENDMENT: Increasing EPA4 overall budget to \$3,367,559 with increase spent in future years
(14)	9/9/20 BUDGET AMENDMENT: Increasing TC1 \$21,350 for additional IDEP investigations in the Lower Rouge



**ALLIANCE OF ROUGE COMMUNITIES  
FINANCE COMMITTEE**

**2020 BUDGET AMENDMENT: Executive Committee  
Amendment 1**

*Working together, restoring the river*

**REQUEST DATE:** September 1, 2020

**LINE ITEM:** EPA4

**COMMITTEE MAKING REQUEST:** Finance Committee

**BACKGROUND:**

The EPA awarded a revision to the GLRI grant for Implementation of Tamarack and Johnson Creek Fish Hatchery in the amount of \$59,840 on 8/20/20. This increased the overall grant from \$3,308,139 to \$3,367,559. The project period was also extended and now is from 09/01/2019 until 04/01/23. This grant is for the Rouge River AOC Habitat Implementation Projects at Tamarack Creek in Southfield and Johnson Creek Fish Hatchery Park in Northville. The ARC will implement and oversee construction. This is a new grant that provides for implementation of the ARC's EPA GLRI design grant for the same sites.

**SUPPLEMENTAL GRANT REQUEST**

*The supplemental EPA Grant request was based on the need for site access agreements and submission of a 100-year floodplain revision to FEMA for the Tamarack project. Under the GLRI Grant - Rouge River AOC Habitat Restoration Design- Tamarack/Fish Hatchery GL - 00E02344 – 3: Tamarack portion, site authorizations were needed from the property owners to allow for State of Michigan permitting. However, to allow for the physical construction on their properties the property owners are requiring site access agreements be developed. Also, due to the final design under the design grant, the Tamarack project is now altering the 100 -year floodplain and an updated 100-year floodplain revision will need to be submitted to FEMA upon completion of the construction. These needs have resulted in the additional funding and time extension being requested.*

- **Tamarack Creek Stream and Wetland Restoration** - Restoration of Tamarack Creek is necessary in conjunction with wetland restoration to help improve hydrology and in-stream flows. Wetland restoration will repair wetland hydrology, manage invasive species, and plant native wetland plants to diversify the flora
- **Johnson Creek Fish Hatchery Park Restoration** - Fish and Wildlife habitat associated with Johnson Creek have been lost and impacted by sedimentation, loss or conversion of riparian vegetation, and streambank armoring, reducing its viability as a cold-water fishery; the only remaining cold water fishery in the Rouge River

The Tamarack Creek Stream and Wetland Restoration project will produce the following outputs:

- 2.2 acres of restored wetland
- 1,800 lft of stream corridor (3,600 feet of streambank corridor) restored
- 20 constructed habitat structures

The Johnson Creek Fish Hatchery Restoration project will produce the following outputs:

- Naturalize 1,050 lft of streambank (one side of creek where concrete was)
- Restore and connect 0.5 acres of backwater habitat (the pond) to Johnson Creek
- Restore 0.5 acres of riparian habitat

**DESCRIPTION:**

Task 1. Grant Reporting/Administration/Public Outreach – Overall Grant/Projects

This task includes the following elements associated with the overall grant and projects that will be completed:

- Grant Management Activities
- EAGL Reporting
- Health and Safety Hazard Assessment Development
- QAPP Development
- Coordinate with Partners
- Public Outreach
- Final Report

Deliverables: Semi- Annual Reporting, QAPP, HASP, Flyer, Final Report

Task 2. Construction

The contractor selected under the USEPA Design Grant, through advertisement and bid selection, will complete the construction in accordance with the construction documents under the ARC's administration. The contractor will obtain all permits required for the physical construction activities. Quantitative and qualitative measures will be employed to track progress in both project implementation and to assess project results

Deliverables: Submittals, As-builts

Task 3. Construction Oversight

The ARC will provide construction oversight (field engineering and project, installation, and assembly administration) during construction of the projects.

Field Engineering Oversight Services

This will include all functions and activities necessary to provide the oversight necessary so that all materials provided, and work performed is in conformance with the project plans and specifications. The functions and activities of this task include those typically associated with a project of this nature, including:

- Prepare for and conduct a Pre-Construction site inspection and meeting;
- Respond to inquiries and /or requests for information;
- Attend construction site meetings;
- Review and approve shop drawings and submittals;
- Assist in resolution of issues that arise during construction of the project;
- Provide on-site oversight at intervals appropriate to the various stages of construction in order to observe the contractor's activities to verify that the progress and quality of the project is being constructed in conformance with the project plans and specifications;
- Verify that the contractor uses equipment and methods approved in or specified by the contract;
- Inspect materials to be used in the work, verifying they meet the project specifications;

- Verify that the contractor complies with all contract requirements related to the protection of utilities, property, and the environment;
- Verify that the contractor complies with all permit requirements as they pertain;
- Coordinate project testing services with the Contractor and the testing company;
- Provide design engineering, specification and design drawing development when changes or modifications to the project plans are necessary; and
- Conduct site walks with the Contractor to develop the project “punch list” and for updating of those items;
- Conduct an inspection to determine if the work is substantially complete for acceptance as it relates to the contract documents and time.

#### Administration Oversight Services

Project, installation, and assembly administration tasks typically associated with a project of this nature, included:

- Review proposals/claims and make recommendations related to contract modifications, extra work, extra compensation, and/or extensions of contract time;
- Process and maintain records for contract modifications and/or work order;
- Review and approve or make recommendations on Contractor construction estimates;
- Track and maintain status of miscellaneous submittals and Requests for information;
- Review and balance all pay item quantities;
- Provide complete project documentation and files, specifically as they relate to correspondence, meeting minutes, submittals, contract modifications, work orders, material certifications, test reports, and interim progress estimates; and
- Review Contractor’s final submission of “as-builts” plans for compliance with the specifications and the work complete.

Deliverables: Submittal approvals, field notes, field meeting minutes, and updated plans/specs (if required)

#### **Task 4. Tamarack Access & FEMA Documentation**

*To allow for the construction of the Tamarack Restoration, site access agreements with the property owners will be developed. Also, due to the final design (under the design grant GL-00E02344-2) the Tamarack project alters the 100 -year floodplain, therefore an updated 100-year floodplain revision will be submitted to FEMA upon completion of the construction.*

*FEMA 100 – year Floodplain Revision - The Letter of Map Revision is the official legal documentation for the change in the FEMA 100 – year floodplain documentations. Therefore, verbal and written consultation with FEMA will be necessary. A FEMA Conditional Letter of Map Revision application package will be prepared. This will include Property Information Form, Elevation Form; Community Acknowledgment Form. The FEMA hydraulic model used to conduct the Flood Insurance Study for the area will be utilized. Design model follow up will be conducted following construction with the use of as-built data and the FEMA cross-section. The revision will require FEMA review (about 4-6 month) and approval.*

**RATIONALE (including why needed):** This grant project will address three Beneficial Use Impairments (BUIs) associated with fish and wildlife habitat: Degraded Fish and Wildlife Populations, Degradation of Benthos, Loss of Fish and Wildlife Habitat.

**BUDGET (including how the amount requested was established):** *This amendment will add \$59,840 to the \$3,308,139 previously budgeted. This will be included in future years 2021-2023 budgets as the project period is 09/01/2019 - 04/01/2023. The ARC will be reimbursed by 100% grant funds for this line item and it will not require any additional funds from the ARC.*

**PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION:** Work will be completed by the ARC Executive Director Staff, outside construction contractor, ARC members (City of Southfield, City of Northville, and Northville Township) staff and the Technical Committee Chair will oversee this task on behalf of the ARC.

	<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b>  <b>Assistance Amendment</b>	<b>GRANT NUMBER (FAIN):</b> 00E02478	<b>DATE OF AWARD</b> 08/20/2020	
		<b>MODIFICATION NUMBER:</b> 1 <b>PROGRAM CODE:</b> GL		
		<b>TYPE OF ACTION</b> Revision: Scope & Increase		<b>MAILING DATE</b> 08/27/2020
		<b>PAYMENT METHOD:</b> ASAP		<b>ACH#</b> 50568
<b>RECIPIENT TYPE:</b> Not for Profit		<b>Send Payment Request to:</b> Research Triangle Park Finance Center		
<b>RECIPIENT:</b> Alliance of Rouge Communities 46036 Michigan Ave., Suite 126 Canton, MI 48188-2304 EIN: 22-3931720		<b>PAYEE:</b> Alliance of Rouge Communities 46036 Michigan Ave., Suite 126 Canton, MI 48188-2304		
<b>PROJECT MANAGER</b> John O'Meara 46036 Michigan Ave., Suite 126 Canton, MI 48188-2304 E-Mail: jomeara@ectinc.com Phone: 734-272-0754		<b>EPA PROJECT OFFICER</b> Benjamin Alsip 77 West Jackson Blvd., G-9J Chicago, IL 60604-3507 E-Mail: Alsip.Benjamin@epa.gov Phone: 312-886-0988	<b>EPA GRANT SPECIALIST</b> Donna Stingley Assistance Section, MA-10J E-Mail: Stingley.Donna@epa.gov Phone: 312-353-1677	
<b>PROJECT TITLE AND EXPLANATION OF CHANGES</b> Rouge AOC Hahbitat Restoration Implementation- Tamarack/Johnson Fish Hatchery  This agreement provides assistance to the Alliance of Rouge Communities to implement its project to support the Great Lakes Restoration Initiative (GLRI) to protect and restore the chemical, physical and biological integrity of the Great Lakes Basin ecosystem. Specifically, the recipient will complete two habitat restoration projects (Tamarack Creek and Johnson Creek) within the Rouge River Area of Concern. Completion of these projects will result in 2 acres of wetland, 0.5 acres of backwater habitat restored and reconnected, 0.5 acre of riparian habitat restored, restoration of 2,850 feet of Rouge tributary (1,800 ft of stream corridor and 1,050 of additional streambank naturalization) and 100 native trees and habitat structures installed  Increase of Funds (Supplemental); Time Extension (Amendment);  This Supplemental amendment obligates federal funding in the amount of \$59,420 and increases total project costs to \$3,367,559. The Supplemental funding supports the need for site access agreements and submission of a 100-year flood plain revision to FEMA for the Tamarack project. The revised workplan activities are in accordance with Clean Water Act Section 118(c)(7) as Amended by PL 114-322 guidelines.  Also, this Supplemental amendment extends the budget and project periods to 04/01/2023..				
<b>BUDGET PERIOD</b> 09/01/2019 - 04/01/2023	<b>PROJECT PERIOD</b> 09/01/2019 - 04/01/2023	<b>TOTAL BUDGET PERIOD COST</b> \$3,367,559.00	<b>TOTAL PROJECT PERIOD COST</b> \$3,367,559.00	
<b>NOTICE OF AWARD</b>				
Based on your Application dated 07/22/2020 including all modifications and amendments, the United States acting by and through the US Environmental Protection Agency (EPA) hereby awards \$59,420. EPA agrees to cost-share <u>100.00%</u> of all approved budget period costs incurred, up to and not exceeding total federal funding of \$3,367,559. Recipient's signature is not required on this agreement. The recipient demonstrates its commitment to carry out this award by either: 1) drawing down funds within 21 days after the EPA award or amendment mailing date; or 2) not filing a notice of disagreement with the award terms and conditions within 21 days after the EPA award or amendment mailing date. If the recipient disagrees with the terms and conditions specified in this award, the authorized representative of the recipient must furnish a notice of disagreement to the EPA Award Official within 21 days after the EPA award or amendment mailing date. In case of disagreement, and until the disagreement is resolved, the recipient should not draw down on the funds provided by this award/amendment, and any costs incurred by the recipient are at its own risk. This agreement is subject to applicable EPA regulatory and statutory provisions, all terms and conditions of this agreement and any attachments.				
<b>ISSUING OFFICE (GRANTS MANAGEMENT OFFICE)</b>		<b>AWARD APPROVAL OFFICE</b>		
<b>ORGANIZATION / ADDRESS</b> U.S. EPA Region 5 Mail Code MA-10J 77 West Jackson Blvd. Chicago, IL 60604-3507		<b>ORGANIZATION / ADDRESS</b> U.S. EPA, Region 5 Great Lakes National Program Office, G-9J 77 W Jackson Blvd. Chicago, IL 60604		
<b>THE UNITED STATES OF AMERICA BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY</b>				
<b>Digital signature applied by EPA Award Official</b> William Massie - Chief, Acquisition and Assistance Branch			<b>DATE</b> 08/20/2020	



## ALLIANCE OF ROUGE COMMUNITIES TECHNICAL COMMITTEE

### 2020 BUDGET AMENDMENT

*Working together, restoring the river*

**REQUEST DATE:** September 8, 2020

**LINE ITEM:** TC1 – Annual IDEP Activities

**COMMITTEE MAKING REQUEST:** Technical Committee

#### BACKGROUND:

Monthly *E. coli* sampling conducted by the City of Dearborn on the Lower Rouge has revealed *E. coli* levels that are higher than the average dry weather concentrations seen as measured in 2017 (See below). This indicates that there is a potential sewage source entering the River upstream of John Daly Road.

The cities of Inkster, Westland and Wayne have several outfalls upstream of John Daly Rd: 3, 13, and 96, respectively (See attached maps). These communities have asked for the ARC's assistance in locating the potential illicit discharges impacting the stream.

#### 2020 *E. coli* Concentrations on the Lower Rouge (MPN/100 ml)

Sites (ordered upstream to downstream)	5/6	5/13	6/9	6/11	7/21	8/13	8/25	2017 Dry Average	2017 Wet Average
John Daly Road (US1) (Dearborn Data)			1600		1600	7300		505	2,498
John Daly Road (US1) (Wayne County Data)		703		>2419	1400	5200	1600		
Beach Daly Outfall Stream/outfall	28		83		380	190			
Beach Daly River	400		1400		4500	6200			
Gulley Bridge	360		920		1300	3500			
Ford Field Bridge	280		980		2900	3600			
Greenfield Bridge (M12)	99		60		2000	600		441	3,448*
48-hour rainfall prior to sampling (")		0.38	0.1	0.2	1.02	0	0.14		

Above the partial body contact standard of 1,000 MPN/100 ml

\*Single sample

#### DESCRIPTION:

ARC staff will survey the MS4 outfalls in dry weather conditions being in Inkster which is the closest community to John Daly. Each outfall will be inspected for signs of sewage and sampled for *E. coli*. If elevated *E. coli* is found, the tributary storm drain will be investigated by sampling at manholes to narrow down the issue. Once the issue has been narrowed down, ARC staff will request that the local community conduct CCTV inspections.

If no issues are found in Inkster, we will move upstream to Westland and then to Wayne, as budget allows.

All work will be coordinated with the local communities.

Concurrent with the outfall surveys, ARC staff will ask Wayne County to perform instream sampling at the major road crossing at and west of John Daly Road. This may help determine the general location of the issue if the outfall sampling doesn't reveal any issues.

**RATIONALE (including why needed):** This work is consistent with the ARC's Collaborative IDEP Plan and is needed to protect public health for those living near the Lower Branch.

**BUDGET (including how the amount requested was established):** This amendment will add \$21,350 to the ARC's 2020 budget. Five days of field work are estimated for budgeting purposes. The budget breakdown is provided below.

Key Staff/ Classifications	Rate/hr	Hrs	Cost
Executive Director	\$210	20	\$4,200
Mid-level Engineer/Scientist	\$130	100	\$13,000
<b>Reimbursable Expenses</b>	<b>Rate</b>	<b>Qty</b>	
<i>E. coli</i> analysis	\$40	40	\$1,600
DNA analysis	\$135	15	\$2,025
Sampling supplies	\$30/day	5	\$150
Field truck	\$75/day	5	\$375
<b>Total</b>			<b>\$21,350</b>

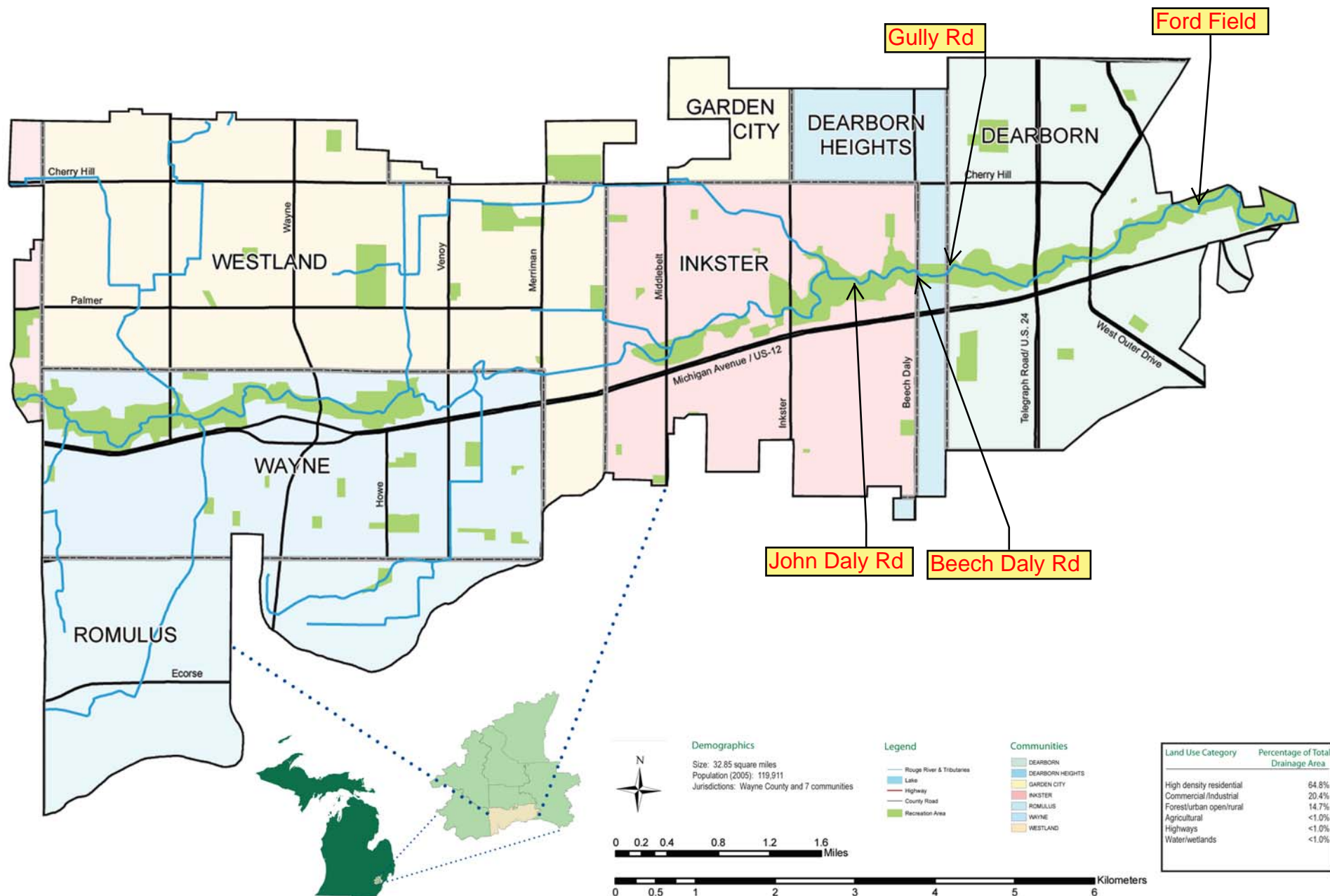
**PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION:** ED staff are responsible for completing this scope of work. The Chair of the Technical Committee will oversee completion of the scope of work on behalf of the ARC.

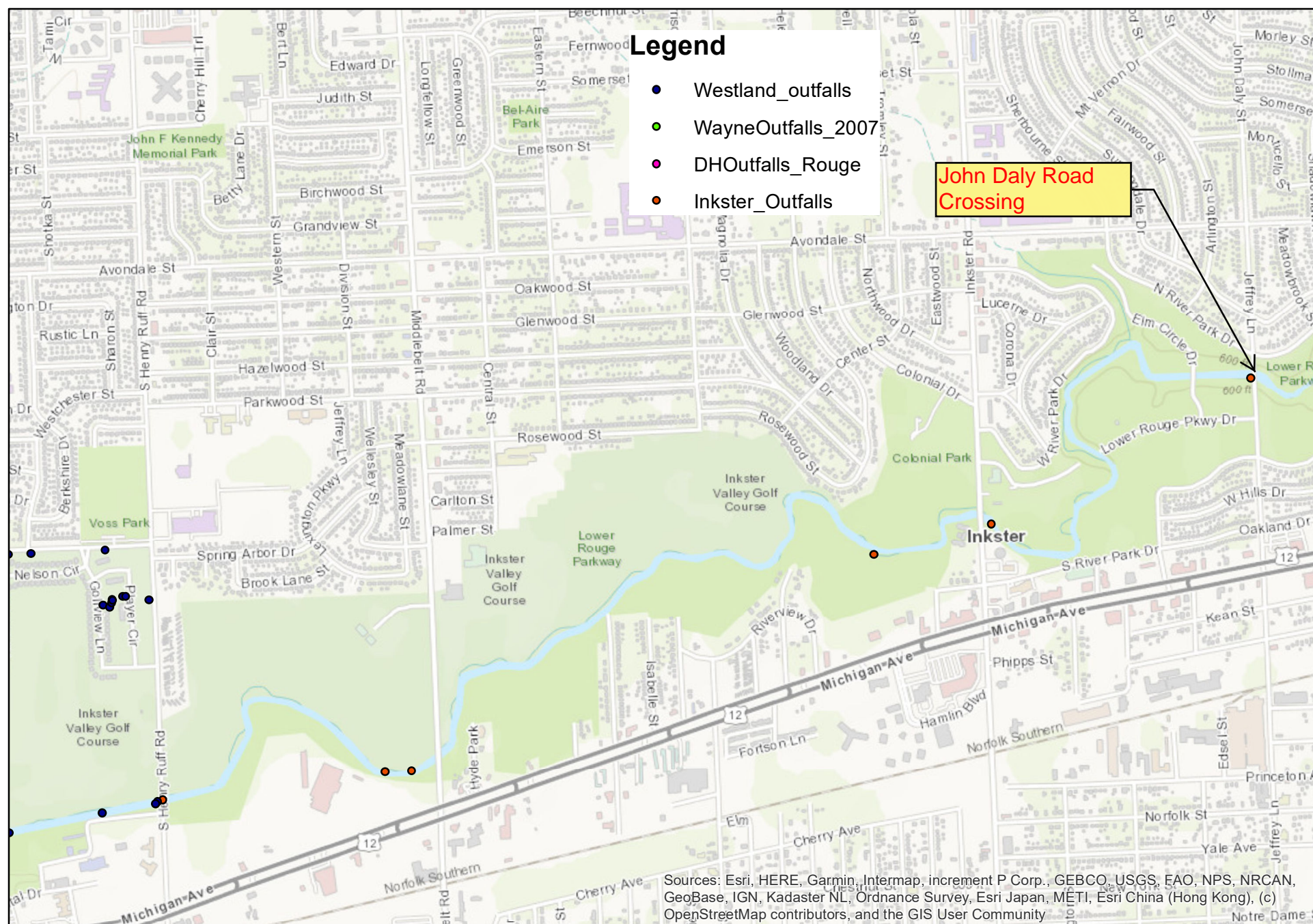
# Rouge River Subwatershed

26

Lower 2

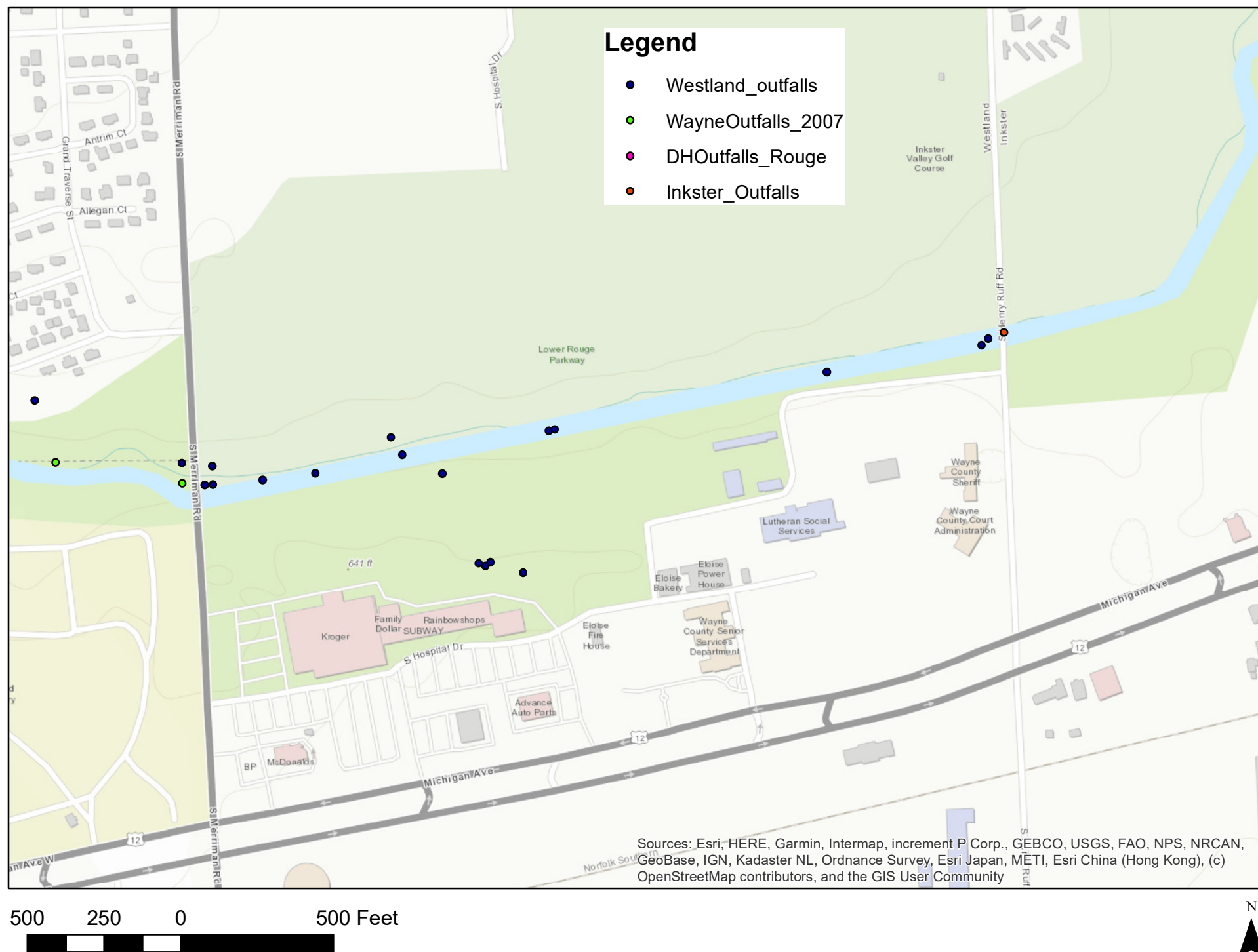
The Lower 2 Rouge River Subwatershed is located entirely in Wayne County and has a drainage area of 21,024 acres, or 32.85 square miles. This subwatershed includes portions of the cities of Dearborn, Dearborn Heights, Garden City, Inkster, Romulus, Wayne, and Westland. The largest land use category is residential housing. The Lower 2 Subwatershed is almost completely built out with only 3% urban open space left in the subwatershed. An estimated 32% of the subwatershed is covered by impervious surfaces such as roads, rooftops and parking lots. The high percentage of impervious surfaces in the Lower 2 Subwatershed delivers runoff much more quickly to the Lower Rouge River which results in high peak flows, much higher velocities and an unstable stream channel. Recreation areas in the Lower 2 subwatershed include: Wayne County's Lower Rouge Parkway which runs through Wayne, Inkster, Dearborn and Dearborn Heights, Inkster Valley Golf Course, Inkster Valley Constructed Wetlands, Dearborn Hills Golf Course and Ford Field in Dearborn.

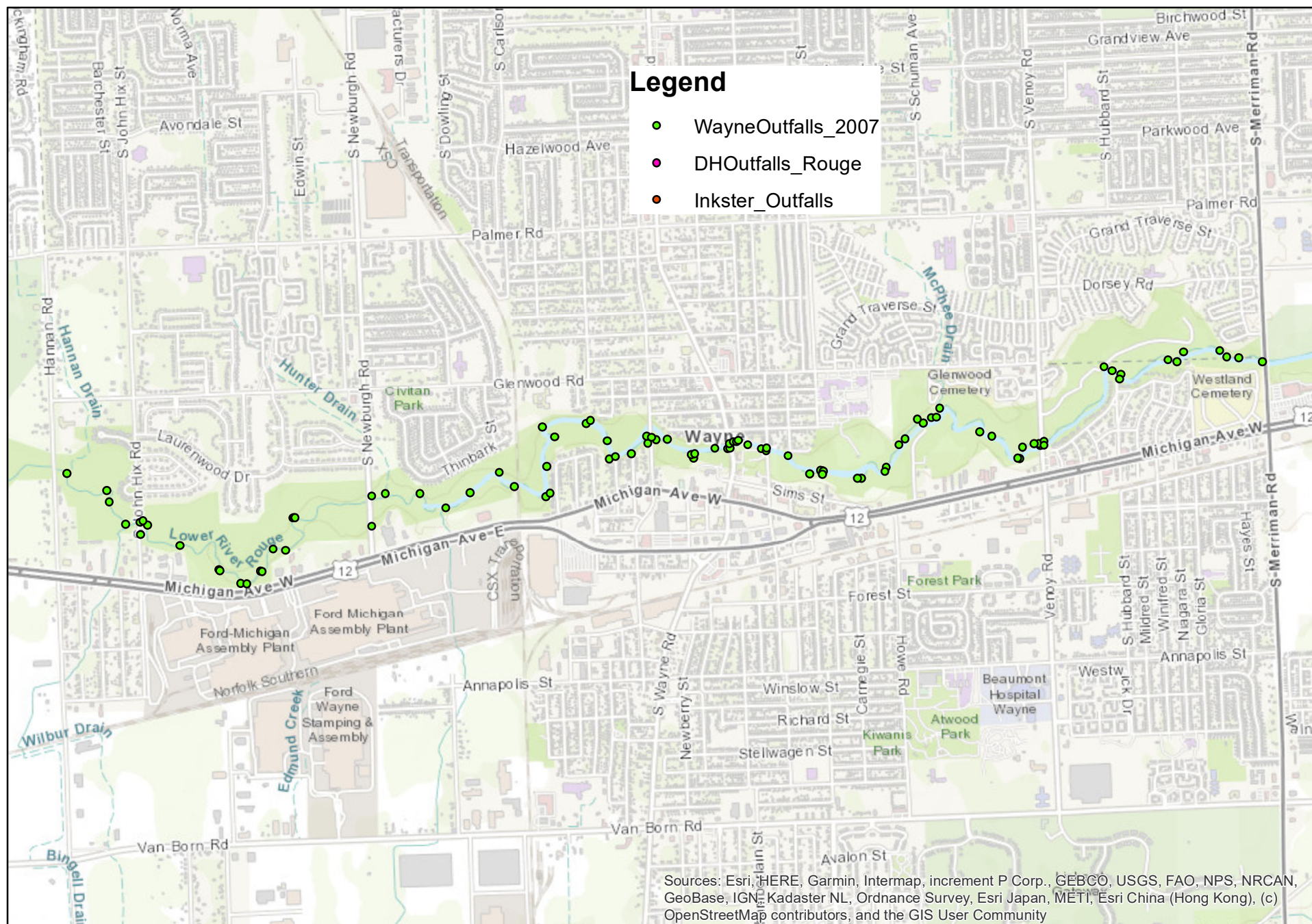




1,400 700 0 1,400 Feet







2,600 1,300 0 2,600 Feet



**WORK ORDER No. 2019-4 EPA TAM/JC2 (Revised September 1, 2020)**

This Work Order, when approved and signed, supplements the Master Services Agreement effective January 1, 2019 between Environmental Consulting & Technology, Inc., and its Affiliates\* (Consultant) and the Alliance of Rouge Communities (ARC). Except as modified herein, all requirements of this basic Agreement remain in force.

**PARAGRAPH I--SCOPE OF SERVICES**

Consultant shall perform professional services as outlined the attached revised scope of work (Attachment A).

**PARAGRAPH II--COMPENSATION**

The maximum cost of this Cost Reimbursable Work Order is increased by \$59,840 from \$343,729 to \$403,569 as shown in revised estimated project budget table in Attachment A.

**PARAGRAPH III--SCHEDULE**

The services in this Work Order have been updated to be completed no later than April 1, 2023 (original date December 31, 2021).

**ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.  
and its AFFILIATES\***

By \_\_\_\_\_

Sanjiv Sinha, P.E.

Its Vice President

Date \_\_\_\_\_

**ALLIANCE OF ROUGE COMMUNITIES**

By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

## ATTACHMENT A

### ROUGE RIVER AOC HABITAT RESTORATION IMPLEMENTATION- TAMARACK/FISH HATCHERY

*(Revised September 1, 2020)*

#### SUPPLEMENTAL GRANT REQUEST

*The supplemental EPA grant request was based on the need for site access agreements and submission of a 100-year floodplain revision to FEMA for the Tamarack project. Under the GLRI Grant - Rouge River AOC Habitat Restoration Design- Tamarack/Fish Hatchery GL - 00E02344 – 3: Tamarack portion, site authorizations were needed from the property owners to allow for State of Michigan permitting. However, to allow for the physical construction on their properties the property owners are requiring site access agreements be developed. Also, due to the final design under the design grant, the Tamarack project is now altering the 100 -year floodplain and an updated 100-year floodplain revision will need to be submitted to FEMA upon completion of the construction. These needs have resulted in the additional funding and time extension being requested.*

#### PROJECT BACKGROUND

The Rouge River watershed is a designated AOC under the Great Lakes Water Quality Agreement (GLWQA) and has three Beneficial Use Impairments (BUIs) associated with fish and wildlife habitat: Degraded Fish and Wildlife Populations, Degradation of Benthos, Loss of Fish and Wildlife Habitat. The Rouge River Advisory Council (RRAC), the Public Advisory Council (PAC) for the Rouge AOC, approved, in March 2016, a list of projects that need to be completed in order to remove the Rouge AOC habitat BUIs. As part of that list two activities/projects were considered as having significant impact on the removal of the BUIs. These are the restoration of Tamarack Creek/wetland and habitat restoration on Johnson Creek at Fish Hatchery Park. The result of these activities when implemented will result in restoration of 2 acres of wetland, 0.5 acres of backwater habitat restored and reconnected, 0.5 acre of riparian habitat restored, restoration of 2,850 feet of Rouge tributary (1,800 lft of stream corridor and 1,050 of additional streambank naturalization) and 100 native trees and habitat structures installed. Each of the two Rouge River AOC Habitat Restoration Design Project activities is discussed below

#### **Tamarack Creek Stream and Wetland Restoration**

Tamarack Creek, a tributary of Evans Creek (and the Middle Rouge River), receives uncontrolled stormwater runoff from a large portion of its drainage area. As a result, Tamarack Creek has been eroded by excessive channel velocity associated with peak flows. Bank erosion is leading to excessive sediment loading and sedimentation of instream habitat. Sedimentation is also exacerbated by nonpoint sources of sediment delivered to Tamarack Creek via stormwater. Excessive channel velocity is also destabilizing large woody debris and gravel/cobble substrates that are important fish and macroinvertebrate habitat.

In order to address the habitat impairments, restoration of Tamarack Creek is necessary in conjunction with wetland restoration to help improve hydrology and in-stream habitat. Wetland restoration will repair wetland hydrology, manage invasive species, and plant native wetland plants to diversify the flora. To restore the wetland habitat, the sediment in the existing wetland will be removed and replaced with clean soil to remove invasive species. The wetland will be replanted with native species. A grade control structure will be constructed to allow water from the wetland to drain slowly into Tamarack Creek. A scour pool just downstream of the wetland outlet structure will assist with energy dissipation as the water moves into the stream.

Stream restoration will increase channel and habitat stability by altering the channel cross-section. To restore the stream habitat, the floodplain will be expanded in areas to a width of approximately 100- 125 linear ft, which will allow the stream to convey large stormwater flows without causing excessive velocities and destabilizing substrate. The new floodplain will be planted with native plants and trees and will include access for maintenance. A new stream channel will be constructed with increased sinuosity to lower the slope and further lower the velocities in Tamarack Creek. Approximately 20 toe wood structures will be incorporated into the design to provide habitat, stabilize stream banks, and reduce erosion. In total, this project will include the excavation of approximately 25,000 cubic yards of soil and the installation of native plants (approximately 5,000 live stakes, 2,500 shrubs, 450 trees, and 9 acres of native seed).

*To allow for the construction site access agreements with the property owners will be developed. Also, due to the final design (under the design grant GL-00E02344-2) the Tamarack project is now altering the 100 -year floodplain and an updated 100-year floodplain revision will need to be submitted to FEMA upon completion of the construction.*

### **Restoration Outputs**

The Tamarack Creek Stream and Wetland Restoration project when implemented will produce the following outputs:

- 2.2 acres of restored wetland
- 1,800 lft of stream corridor (3,600 feet of streambank corridor) restored
- 20 constructed habitat structures

### **Johnson Creek Fish Hatchery Park Restoration**

Fish and Wildlife habitat associated with Johnson Creek have been lost and impacted by sedimentation, loss or conversion of riparian vegetation, and streambank armoring, reducing its viability as a cold-water fishery; the only remaining cold water fishery in the Rouge River. A spring-fed pond, which flows into Johnson Creek, has been degraded by sediment-laden stormwater runoff from the unimproved parking lot at Fish Hatchery Park. The resulting sediment has been deposited into the pond to a point where it is less than 18 inches deep. This sediment escapes from the pond through the outlet structure and is impairing the stream bottom habitat in Johnson Creek. In addition, the earthen wall separating the pond from Johnson Creek is failing. In time, the wall will collapse which will eliminate the potential cleansing properties of the pond and transfer the accumulated sediment into the creek. In addition to this, streambanks have been impacted by the removal of native vegetation and historic placement of a concrete wall along one bank of the stream.

To restore the habitat of Johnson Creek this project will naturalize the streambanks through the removal of the concrete wall. In order to protect the newly formed bank from erosion, floodplain terraces will be created to allow for a natural and stable floodplain surface for conveyance of storm flows at slower velocities. Other stabilization techniques will be utilized including flattening the streambank slope, installing vegetation, and constructing current-deflecting rock vanes in areas especially prone to erosive forces. The native plantings to naturalize the streambank of Johnson Creek will include approximately 85 trees, 40 shrubs, and 990 live stakes, in addition to live brush layering and native seeding. This work necessitates modifications to an existing pedestrian bridge, which rests on the existing concrete wall. The project will also remove woody debris which is impeding stream flow.

To restore Fish Hatchery Pond, this project will remove accumulated sediment in the pond and modify the pond outlet to create a fish passage channel between the pond and the creek. A bioswale will be constructed to prevent future sedimentation of the pond. Sheet piling is also proposed to stabilize the earth between Fish Hatchery Pond and

Johnson Creek. To accommodate public use inside the park, a fence is proposed above a portion of the floodplain benches for fall protection and fencing around an existing baseball diamond is proposed to be shifted 10 additional feet away from the streambank in order to naturalize it.

### **Restoration Outputs**

The Johnson Creek Restoration project will produce the following outputs:

- Naturalize 1,050 lft of streambank (one side of creek where concrete was)
- Restore and connect 0.5 acres of backwater habitat (the pond) to Johnson Creek
- Restore 0.5 acres of riparian habitat

## **SCOPE OF WORK (Rev Sept 1, 2020)**

ECT will complete the following tasks, for the ARC, in order to complete the Rouge River AOC Restoration Design projects.

### **Task 1. Grant Reporting/Administration/Public Outreach – Overall Grant/Projects**

This task includes the following elements associated with the overall grant and projects that will be completed:

- Grant Management Activities - Grant management services and assure compliance with terms and conditions of the grant will be provided.
- EAGL Reporting - The Environmental Accomplishments in the Great Lakes (EAGL) semi-annual reporting will be prepared and submitted.
- Health and Safety Hazard Assessment Development – A site specific health and safety hazard assessment will be developed for the project. Potential hazards will be identified, and steps will be outlined to reduce risk to employees and visitors to the site.
- QAPP Development - In accordance with federal requirements all environmental measurements undertaken in support of this project will be required to be conducted under a formal quality management protocol. A project specific QAPP will be prepared and submitted for review and approval prior to beginning any data collection activities.
- Coordinate with Partners –Coordination between partners and stakeholders in the project. Throughout the process, active participation will be fostered among the stakeholders.
- Public Outreach –The Alliance of Rouge Communities (ARC) post information related to the project under this grant on the ARC web site and informational flyers will be developed (updated).
- Final Report – A comprehensive final report summarizing all the activities conducted will be completed in draft form and submitted for review. Comments received will be incorporated into a final version for submittal.

Deliverables: Semi- Annual Reporting, QAPP, HASP, Flyer, Final Report

### **Task 3. Construction Oversight**

The ARC will provide construction oversight (field engineering and project, installation, and assembly administration) during construction of the projects.

#### Field Engineering Oversight Services

This will include all functions and activities necessary to provide the oversight necessary so that all materials

provided, and work performed is in conformance with the project plans and specifications. The functions and activities of this task include those typically associated with a project of this nature, including:

- Prepare for and conduct a Pre-Construction site inspection and meeting;
- Respond to inquiries and /or requests for information;
- Attend construction site meetings;
- Review and approve shop drawings and submittals;
- Assist in resolution of issues that arise during construction of the project;
- Provide on-site oversight at intervals appropriate to the various stages of construction in order to observe the contractor's activities to verify that the progress and quality of the project is being constructed in conformance with the project plans and specifications;
- Verify that the contractor uses equipment and methods approved in or specified by the contract;
- Inspect materials to be used in the work, verifying they meet the project specifications;
- Verify that the contractor complies with all contract requirements related to the protection of utilities, property, and the environment;
- Verify that the contractor complies with all permit requirements as they pertain;
- Coordinate project testing services with the Contractor and the testing company;
- Provide design engineering, specification and design drawing development when changes or modifications to the project plans are necessary; and
- Conduct site walks with the Contractor to develop the project "punch list" and for updating of those items;
- Conduct an inspection to determine if the work is substantially complete for acceptance as it relates to the contract documents and time.

#### Administration Oversight Services

Project, installation, and assembly administration tasks typically associated with a project of this nature, included:

- Review proposals/claims and make recommendations related to contract modifications, extra work, extra compensation, and/or extensions of contract time;
- Process and maintain records for contract modifications and/or work order;
- Review and approve or make recommendations on Contractor construction estimates;
- Generate Monthly Progress Summaries;
- Track and maintain status of miscellaneous submittals and Requests for information;
- Review and balance all pay item quantities;
- Provide complete project documentation and files, specifically as they relate to correspondence, meeting minutes, submittals, contract modifications, work orders, material certifications, test reports, and interim progress estimates; and
- Review Contractor's final submission of "as-builts" plans for compliance with the specifications and the work complete.

Deliverables: Submittal approvals, field notes, field meeting minutes, and updated plans/specs (if required)

#### **Task 4. Tamarack Access & FEMA Documentation**

*To allow for the construction of the Tamarack Restoration, site access agreements with the property owners will be developed. Also, due to the final design (under the design grant GL-00E02344-2) the Tamarack project alters the 100 -year floodplain, therefore an updated 100-year floodplain revision will be submitted to FEMA upon completion of*

the construction.

*FEMA 100 – year Floodplain Revision - The Letter of Map Revision is the official legal documentation for the change in the FEMA 100 – year floodplain documentations. Therefore, verbal and written consultation with FEMA will be necessary. A FEMA Conditional Letter of Map Revision application package will be prepared. This will include Property Information Form, Elevation Form; Community Acknowledgment Form. The FEMA hydraulic model used to conduct the Flood Insurance Study for the area will be utilized. Design model follow up will be conducted following construction with the use of as-built data and the FEMA cross-section. The revision will require FEMA review (about 4-6 month) and approval.*

### **ESTIMATED PROJECT BUDGET (Rev Sept 1, 2020)**

Environmental Consulting & Technology, Inc. Rouge River AOC Implementation - Tamarack/Fish Hatchery		Task 1: Grant Reporting/Administration/Public Outreach		Task 2: Construction		Task 3: Construction Oversight		Task 4 : Tamarack Access & FEMA		Totals	
	Rates	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
Principal Engineer	\$210	40	\$8,400		\$0	240	\$50,400	40	\$8,400	320	\$67,200
Sr. Level Staff	\$180	40	\$7,200		\$0	600	\$108,000	120	\$21,600	760	\$136,800
Mid-Level Staff	\$145	0	\$0		\$0	300	\$43,500	80	\$11,600	380	\$55,100
Jr-Level Staff	\$105	40	\$4,200		\$0	1000	\$105,000	160	\$16,800	1200	\$126,000
Technician	\$65	0	\$0		\$0		\$0		\$0	0	\$0
Administrative Support	\$60	100	\$6,000		\$0	120	\$7,200	24	\$1,440	244	\$14,640
Labor Totals		220	\$25,800		\$0	2260	\$314,100		\$59,840	2904	\$399,740
Expenses											
Vehicle and mileage			\$500				\$2,329				\$2,829
Field Equipment							\$1,000				\$1,000
Expense Total			\$500		\$0		\$3,329		\$0		\$3,829
TOTAL COST			\$ 26,300		\$ -		\$ 317,429		\$ 59,840		\$ 403,569

## WORK ORDER No. 2020-1 IDEP (Revised September 8, 2020)

This Work Order, when approved and signed, supplements the Master Services Agreement effective January 1, 2019 between Environmental Consulting & Technology, Inc., and its Affiliates\* (Consultant) and the Alliance of Rouge Communities (ARC). Except as modified herein, all requirements of this basic Agreement remain in force.

### PARAGRAPH I--SCOPE OF SERVICES

The Consultant will follow-up on the findings of the 2019 illicit discharge investigations within Oakland County communities. As such, the Consultant will perform professional services as follows:

- Meet with community staff in the priority areas, gather maps to identify the drainage areas and obtain feedback on potential sources.
- Conduct concentrated field investigations in priority areas within Oakland County to further isolate problem areas and identify illicit connections. The field work will involve a combination of sampling, dye testing, smoke testing and CCTV inspections, as necessary, to locate illicit discharge sources.
- Prepare a report to summarize investigation results and recommended next steps for subsequent years.

Prior to expending budget, the Consultant will present the 2020 priority areas for review and approval by the ARC Technical Committee.

In addition, the Consultant shall conduct illicit discharge investigations along the Lower Branch as result of the unusually high *E. coli* results detected at and downstream of John Daly Road. The Consultant will survey the MS4 outfalls in dry weather conditions being in Inkster which is the closest community to John Daly. Each outfall will be inspected for signs of sewage and sampled for *E. coli*. If elevated *E. coli* is found, the tributary storm drain will be investigated by sampling at manholes to narrow down the issue. Once the issue has been narrowed down, the Consultant will request that the local community conduct CCTV inspections.

If no issues are found in Inkster, the Consultant will move upstream to Westland and then to Wayne, as budget allows.

All work will be coordinated with the local communities.

Concurrent with the outfall surveys, the Consultant will ask Wayne County to perform instream sampling at the major road crossing at and west of John Daly Road. This may help determined the general location of the issue if the outfall sampling doesn't reveal any issues.

### PARAGRAPH II--COMPENSATION

The maximum cost of this Cost Reimbursable Work Order is increased from \$30,000.00 to \$51,350.00 as shown below.

<b>Key Staff/ Classifications</b>	<b>Rate/hr</b>	<b>Hrs</b>	<b>Cost</b>
Annette DeMaria, P.E.	\$210	40	\$8,400
Mid-level Engineer/Scientist	\$130	100	\$13,000
Shelby Dix, EIT	\$105	200	\$21,000
Reimbursable Expenses			\$8,950
<b>Total</b>		<b>340</b>	<b>\$51,350.00</b>

PARAGRAPH III--SCHEDULE

The services in this Work Order shall be completed no later than December 31, 2020.

**ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.  
and its AFFILIATES\***

By \_\_\_\_\_

Sanjiv Sinha, P.E. \_\_\_\_\_

Its Vice President \_\_\_\_\_

Date \_\_\_\_\_

**ALLIANCE OF ROUGE COMMUNITIES**

By \_\_\_\_\_

\_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

## ARC 5 YEAR PLAN FOR OPERATIONAL AND PERMIT SERVICES

Approved: 11-19-18, Revised: 11-7-2019

Cash Flow	2019	2020	2021	2022	2023
Balance Rollover from 2018 (originally \$133,000, \$50k held as rainy-day savings)	\$ 83,000	\$ 98,251	\$ 105,332	\$ 138,458	\$ 99,986
ARC Recommended Dues (2% annual increase)	\$ 322,805	\$ 329,261	\$ 335,846	\$ 342,563	\$ 349,415
Estimated Funds Available	\$ 405,805	\$ 427,512	\$ 441,178	\$ 481,021	\$ 449,400
Operations and Permit Budget Costs	\$ 307,554	\$ 322,180	\$ 302,720	\$ 381,035	\$ 342,221
Year End Balance	\$ 98,251	\$ 105,332	\$ 138,458	\$ 99,986	\$ 107,179

Annual Operations and Permit Services						
	2019	2020	2021	2022	2023	Entity
<b>Organization Committee</b>						
ED1 Executive Director Operational Services	\$ 127,740	\$ 127,740	\$ 127,740	\$ 130,295	\$ 132,901	ED
ARC Operations - Direct Expenses	\$ 1,250	\$ 1,500	\$ 1,500	\$ 1,750	\$ 1,750	ARC
<b>Organization Committee Total</b>	<b>\$ 128,990</b>	<b>\$ 129,240</b>	<b>\$ 129,240</b>	<b>\$ 132,045</b>	<b>\$ 134,651</b>	
<b>Finance Committee</b>						
FC1 Accounting/Legal Services	\$ 19,000	\$ 19,000	\$ 19,500	\$ 19,500	\$ 20,500	ARC
FC2 ARC Insurance	\$ 1,000	\$ 1,000	\$ 1,500	\$ 1,500	\$ 1,500	ARC
<b>Finance Committee Total</b>	<b>\$ 20,000</b>	<b>\$ 20,000</b>	<b>\$ 21,000</b>	<b>\$ 21,000</b>	<b>\$ 22,000</b>	
<b>ARC Operational Services Total</b>	<b>\$ 148,990</b>	<b>\$ 149,240</b>	<b>\$ 150,240</b>	<b>\$ 153,045</b>	<b>\$ 156,651</b>	
<b>Public Education and Involvement Committee</b>						
PIE1 Collaborative PEP/PPP Annual permit activities	\$ 29,780	\$ 29,780	\$ 29,780	\$ 29,780	\$ 29,780	ED
Watershed Monitoring	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	FOTR
Printing and reporting	\$ 15,000	\$ 14,000	\$ 15,000	\$ 15,000	\$ 15,000	ARC/FOTR
PIE2 Collaborative PEP/PPP -5yr Permit Cycle activities	\$ 20,584	\$ 23,270	\$ 9,050	\$ 15,570	\$ 11,110	ED
Permit Cycle Support	\$ 4,500	\$ 6,310	\$ 4,650	\$ 5,260	\$ 21,260	ARC/FOTR
<b>PIE Committee Total</b>	<b>\$ 74,864</b>	<b>\$ 78,360</b>	<b>\$ 63,480</b>	<b>\$ 70,610</b>	<b>\$ 82,150</b>	
<b>Technical Committee</b>						
TC1 Collaborative IDEP/TMDL annual permit activities	\$ 20,800	\$ 20,800	\$ 20,800	\$ 20,800	\$ 20,800	ED
IDEP Investigation and Training	\$ 60,000	\$ 63,500	\$ 63,500	\$ 63,500	\$ 63,500	ARC/WC
TC2 Collaborative IDEP/TMDL 5yr permit cycle activities	\$ 2,900	\$ 10,280	\$ 4,700	\$ 73,080	\$ 19,120	ED
IDEP Effectiveness Reporting	\$ 2,060	\$ 7,080	\$ 2,060	\$ 7,080		
Update Storm sewer GIS	\$ 840	\$ 840	\$ 840			
IDEP Training		\$ 1,800	\$ 1,800		\$ 1,820	
Facility Dye Testing		\$ 560				
TMDL Second Round Sampling				\$ 66,000		
TMDL Effectiveness Reporting					\$ 17,300	
<b>Technical Committee Total</b>	<b>\$ 83,700</b>	<b>\$ 94,580</b>	<b>\$ 89,000</b>	<b>\$ 157,380</b>	<b>\$ 103,420</b>	
<b>Total Amount Requested by All Committees</b>	<b>\$ 307,554</b>	<b>\$ 322,180</b>	<b>\$ 302,720</b>	<b>\$ 381,035</b>	<b>\$ 342,221</b>	<b>\$ 1,655,711</b>

Updated to reflect EGLE-Approved TMDL Plan 11-7-2019

**Alliance of Rouge Communities**  
**2021 Budget Request By Agency**

9/10/2020

Line Items		ED	ARC Direct	Wayne Co.*	FOTR	SEMOG	Total
ED1	Executive Director Operational Services	127,740.00	1,500.00				129,240.00
FC1	Accounting/Legal Services		21,500.00				21,500.00
FC2	ARC Insurance		1,500.00				1,500.00
PIE1	PEP/PPP: Annual permit activities	29,780.00	7,500.00		6,500.00	5,000.00	48,780.00
PIE2	PEP/PPP: 5yr permit cycle activities	9,050.25	500.00		5,150.00		14,700.25
TC1	IDEP/TMDL: Annual permit activities	50,520.00		0*			50,520.00
TC2	IDEP/TMDL: 5yr permit cycle activities	4,700.00					4,700.00
<b>Total Requested</b>		<b>221,790.25</b>	<b>32,500.00</b>	<b>0.00</b>	<b>11,650.00</b>	<b>5,000.00</b>	<b>270,940.25</b>

*\*Plus \$33,500 in matching effort*



## ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

### 2021 WORKPLAN RECOMMENDATION

*Working together, restoring the river*

**REQUEST DATE:** September 4, 2020

**LINE ITEM:** OC1 Executive Director Services

**COMMITTEE MAKING REQUEST:** Organization Committee

**BACKGROUND:** The ARC hired, through a public RFP process, Environmental Consulting & Technology (ECT) in October 2018 to provide Executive Director and Operational & Technical Support Services to the ARC for a 5-year period beginning in 2019.

**DESCRIPTION OF ANTICIPATED ACTIVITIES:** The Executive Director Staff oversees the day-to-day affairs of the Alliance of Rouge Communities, including fiduciary and budgeting services as outlined in Work Order No. 2019-1. The duties for 2021 are summarized below (see Work Order for complete list of activities):

- **Executive Director Annual Services (\$127,740)**
  - **Operational Services** – Staffing, meeting preparation and facilitation of the full ARC (2 meetings); the Executive Committee (up to 4 meetings); and the Finance Committee (2 meetings) and 1 meeting for other committees (organization, nominating etc.). This task includes the day-to-day ARC activities with staff, consultants and contractors, response to FOIA requests and activities to meet the Open Meetings Act requirements. This task includes communication with ARC members, administration of subcontractors and preparing the 2020 ARC Annual Report, market non-ARC member communities, coordinate activities with cooperating partners and RRAC, contract/IAA preparation, update or prepare policies/procedures, bylaws and strategic plan as necessary, budget preparations, and maintain storage of ARC records. This task also includes maintaining the ARC's accounting using Quickbooks to track payables and receivables and conducting all procedures associated with the ARC Accounting Procedures Manual. Staff will work with an outside accountant to prepare the ARC's taxes and audit annually. Staff will maintain/develop/review contracts and IAAs as necessary.
  - **Assistance Services** – Executive Director Staff will monitor, research and prepare up to 3 grant applications. Staff will maintain the ARC's logins and eligibility status under various agencies. Upon grant awards staff will conduct discussions with granting agencies and review grant awards and secure signatures. Executive Director Staff will promote the ARC as an advocate for the Rouge River Watershed and foster external relationships with other agencies, organizations and individuals. ARC staff will provide review/recommendations as necessary on various topics and serve on agency boards to promote the ARC. ARC Staff will coordinate presentations and activities with other watershed groups. ARC staff will respond to outside data/information requests. ARC staff will act as the primary liaison to state and federal agencies. ARC staff will staff the ARC booth at member community events and serve as primary liaison to all members and cooperating partners assisting with member questions and requests for information (general & technical). ARC staff will host the ARC's phone number and work with member communities to respond to citizen requests/concerns and conduct member surveys as necessary. ARC staff will also provide formal and informal interaction with government officials and provide technical support as requested.
- **ARC Operational Direct Expenses (\$1,500)** – This includes web hosting fees and the ARC's mailbox fee.

**RATIONALE:** The ARC needs an executive director to manage its day-to-day activities and finances.

**BUDGET:** An estimated 2021 budget of \$129,240 for operational services is requested as follows: Executive Director Services: \$127,740 and ARC Direct: \$1,500.

**PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION:** The Executive Director will report to the ARC Chair.



## ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

### 2021 RECOMMENDED WORKPLAN

**REQUEST DATE:** September 8, 2020

**LINE ITEM:** FC1 – Accounting and Legal Services

**COMMITTEE MAKING REQUEST:** Finance Committee

**BACKGROUND:** The Alliance of Rouge Communities began budgeting for legal and accounting fees in 2010. In 2011 the ARC was designated by the IRS as a 501(c)(3) organization. Because of the federal grants received, the ARC is required to provide a Single Audit if the ARC receives more than \$750,000 in federal funds. The ARC is also responsible for preparing taxes. This line item also provides budget for legal advice regarding contracts or other legal issues that may arise during the year.

**DESCRIPTION OF ANTICIPATED ACTIVITIES:** These funds will be used for the preparation of the taxes, preparation of the financial report and the anticipation of needing a Single Audit. These funds would also cover any legal issues that may arise related to the ARC.

**RATIONALE:** The budget allocation would cover the costs incurred by a law firm and accounting firm.

**BUDGET:** \$21,500 (legal - \$1,000, accounting - \$20,500). This budget item will be paid with 100% ARC dues.

**PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION:** The Chair of the Finance Committee will oversee this task on behalf of the Finance Committee. The ARC Executive Director staff will work with the law firm and accounting firm.



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## ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

### 2021 RECOMMENDED WORKPLAN

**REQUEST DATE:** September 8, 2020

**LINE ITEM:** FC2 - ARC Insurance

**COMMITTEE MAKING REQUEST:** Finance Committee

**BACKGROUND:** In previous years, the ARC approved an insurance contract for liability insurance coverage for its directors and officers. This request is a continuation of the same policy coverage as in previous years.

**DESCRIPTION OF ANTICIPATED ACTIVITIES:** The insurance is needed to protect the directors and officers (and any other ARC member) against claims filed against them as executives of the organization.

**RATIONALE (including why needed):** The ARC Bylaws require that the ARC have insurance.

**BUDGET (including how the amount requested was established):** ARC Staff anticipate the cost to be similar to the 2020 insurance cost of \$986. The actual 2021 cost is anticipated to be received before the end of the year. ARC staff is recommending a budget of \$1,500 for 2021.

**PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION:** The Executive Director will ensure the insurance coverage does not lapse in 2021.



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## ALLIANCE OF ROUGE COMMUNITIES

### FINANCE COMMITTEE

#### 2021 RECOMMENDED WORKPLAN

**REQUEST DATE:** September 8, 2020

**LINE ITEM:** PIE1 & PIE2

**COMMITTEE MAKING REQUEST:** PIE Committee

**BACKGROUND:** This request supports the implementation of the Collaborative Plans for Public Education (PEP) and Public Participation (PPP) that were approved by Michigan Department of Environment, Great Lakes and Energy (EGLE) in 2017. These plans directly support the stormwater permitting requirements for the ARC members listed in Table 1.

**Table 1. ARC Members Participating in the Collaborative PEP Plan**

COMMUNITIES		
Beverly Hills, Village of	Franklin, Village of	Oak Park, City of
Bingham Farms, Village of	Garden City, City of	Plymouth, City of
Birmingham, City of	Inkster, City of	Plymouth Township
Bloomfield Hills, City of	Lathrup Village, City of	Redford Township
Bloomfield Township	Livonia, City of	Southfield, City of
Canton Township	Melvindale, City of	Troy, City of
Dearborn Heights, City of	Northville, City of	Walled Lake, City of
Farmington, City of	Northville Township	Wayne, City of
Farmington Hills, City of	Novi, City of	West Bloomfield Township
		Westland, City of
COUNTIES	SCHOOLS	
Oakland County	Henry Ford College	
Wayne County	Schoolcraft College	

#### DESCRIPTION OF ANTICIPATED ACTIVITIES

##### **PIE1 – 2021 ANNUAL PERMIT ACTIVITIES**

##### **BMP0 – PIE Committee Support and PPP (ARC Staff, FOTR)**

This task will include holding up to 2 PIE Committee meetings if necessary. ARC Staff will provide meeting facilitation, agendas and handouts. ARC Staff will also report on topics of interest to the PIE Committee throughout the year and will develop budget recommendations and provide supporting documentation. This task will also include documentation of public comments on the Collaborative Plans and will promote the Plans on the ARC website and Facebook. ARC Staff will also participate in regional partnership activities on behalf of the ARC members. ARC Staff and Friends of the Rouge (FOTR) will also prepare the annual reporting information for the ARC Members.

**BMP1 – Design/Distribute Materials (ARC Staff, ARC Direct, SEMCOG)**

ARC Staff will create at least 24 Facebook posts on topics detailed in the Collaborative PEP annually and document social media followers. ARC Staff will distribute public education materials to ARC members to display at their facilities. This task will also include copies of print materials and purchase of giveaways like the pet waste containers and fertilizer clips. This includes participation in the One Water Public Education Campaign being led by SEMCOG and GLWA.

**BMP2 – Articles/Ad Graphics (ARC Staff)**

ARC Staff will coordinate/distribute new and existing articles and ad graphics. ARC Staff will develop strategies to increase the ARC visitors to the website and Facebook.

**BMP3 – Displays & Posters (ARC Staff)**

ARC Staff will rotate the ARC displays in 3-4 ARC member community's facilities or events.

**BMP4 – Promote Hotlines and Educate on IDEP (ARC Staff)**

ARC Staff will promote environmental hotlines to educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the Rouge River through materials and the ARC's website and Facebook.

**BMP7 – Promote & Support Volunteer Activities (ARC Staff)**

ARC Staff will promote and assist in coordinating Rouge River volunteer activities such as Rouge Rescue, rain barrel sales and local water festivals on the ARC's website and Facebook and provide information to ARC Members to assist in their promotion of these activities.

**BMP8 – Promotion of and Support for Volunteer Monitoring Activities within the Rouge River Watershed (ARC Staff, FOTR)**

The ARC will support the winter stonefly search event which is organized by FOTR. This includes the cost for FOTR staff time and supplies to train volunteers, collect the data and develop a report of the findings. ARC Staff will assist ARC members with planning and coordinating volunteer monitoring activities and promote them on the ARC's website and Facebook.

**PIE2 –2021 PERMIT CYCLE ACTIVITIES****BMP0 – PIE Committee Support (ARC Staff)**

ARC Staff will survey members regarding any local public notice requirements and meet them as appropriate. ARC Staff will invite the public to participate in the implementation and review of the permit which will include advertising it on the ARC website and Facebook and ARC member and partner websites.

**BMP1 – Design/Distribute Materials (ARC Staff)**

No anticipated activities in 2021.

**BMP2 – Articles/Ad Graphics (ARC Staff)**

ARC Staff, with PIE Committee oversight, will distribute existing and create 1 new article and 1 new ad graphic on topics detailed in the Collaborative PEP for use by ARC Members in their community newsletters, website and social media.

**BMP3 – Displays and Posters (ARC Staff)**

No anticipated activities in 2021.

**BMP5 – Development of Homeowner Education Materials (ARC Staff)**

ARC Staff will continue strategies to distribute the homeowner's brochure through homeowner packets and other avenues throughout the ARC member communities. This will include reaching out to homeowner associations and community programs.

**BMP6 – Workshops & Presentations (ARC Staff, ARC Direct, FOTR)**

FOTR will host 1 *Rain Gardens 101* workshop which engages and catalyzes residents across southeast Michigan through FOTR's RainSmart program to "get their lawns a job" to help meet critical goals set in the Rouge River's Watershed Management Plan for residential rain gardens. The target audience size for the in-person event is 80-120 participants whereas the virtual version targets 900-1200 participants. Attendees receive a roadmap on how they can use a rain garden to solve problems at home, whether by hiring a contractor or by building a rain garden themselves. *Rain Gardens 101* virtual programming can be offered as a single 1-2 hour event or over the course of three "lunch and learn" sessions. Friends of the Rouge anticipates offering the event virtually in 2021 with total estimated participation at 1,200, between 100-150 residents extensively educated (who will take further action), 10-20+rain gardens built and over 100,000 marketing impressions. Impact measured through post-program evaluations from participants.

ARC Staff will host 1 webinar on another topic such as septic systems or stewardship activities.

**BMP7 – Promote & Support Volunteer Activities (ARC Staff, FOTR)**

ARC Staff will assist FOTR in planning and determining locations for 1 workdays at an ARC community green infrastructure site. FOTR will plan and facilitate the workday.

**BMP9 – Rouge River Watershed Signage (ARC Staff)**

ARC Staff will survey members on a topic for a new metal sign, sticker or vehicle magnet to be made available to ARC Members. ARC staff will design the new item and printing will be provided under PIE1.

ARC Staff have been surveying the Rouge River Watershed documenting the street signs ("you are entering the Rouge River Watershed – Ours to Protect"). Over the last two years field staff have been traveling throughout the watershed to GPS signs and using Google Maps to document location and condition. In 2021 ARC Staff will summarize the findings and create a map to document the type of sign, location and condition. They will also prioritize the need for maintenance and document suggested locations for new signage.

**RATIONALE:** These actions will fulfill those best management practices (BMPs) identified in the ARC Collaborative PEP/PPP.

**BUDGET:** The total budget for this workplan is \$63,480.25 as outlined below. Detail on ARC Staff's budget can be found in the Executive Director's contract.

### 2021 Budget Allocation

TASK	RESPONSIBLE PARTY	BUDGET
<b><i>PIE1: 2021 Annual Activities</i></b>		
BMP 0. Facilitation/Reporting BMP 1. Design/Distribute Materials BMP 2. Brochures BMP 3. Static Displays BMP 4. IDEP Hot Lines BMP 7. Volunteer Workdays BMP 8. Volunteer Monitoring	ARC Staff	\$29,780
BMP 0. Reporting	FOTR	\$1,500
BMP 1. Design/Distribute Materials	ARC Direct	\$7,500
BMP 1. Design/Distribute Materials	SEMCOG	\$5,000
BMP 8. Volunteer Monitoring	FOTR	\$5,000
<b><i>Sub-total PIE1</i></b>		<b><i>\$48,780.00</i></b>
<b><i>PIE2: 2021 Permit Cycle Activities</i></b>		
BMP 0. Facilitation/Reporting BMP 2. Brochures BMP 5. Homeowners Brochure BMP 6. Workshops/Presentations BMP 7. Volunteer Workdays BMP 9. Watershed Signs	ARC Staff	\$9,050.25
BMP 6. Workshops/Presentations	ARC Direct	\$500
BMP 6. Workshops/Presentations	FOTR	\$3,150
BMP 7. Volunteer Workdays	FOTR	\$2,000
<b><i>Sub-total PIE2</i></b>		<b><i>\$14,700.25</i></b>
<b>TOTAL 2021 PIE Budget</b>		<b>\$63,480.25</b>

### Person/Agency Responsible for Implementation

The responsible parties for each task are listed above. The Chair of the Public Involvement and Education Committee will oversee ARC Staff efforts and ARC Staff will oversee FOTR's and SEMCOG's efforts.



## ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

### 2021 Workplan Recommendation

*Working together, restoring the river*

**REQUEST DATE:** September 9, 2020

**LINE ITEM:** TC1 and TC2 – Collaborative IDEP Plan Permit Activities

**COMMITTEE MAKING REQUEST:** Technical Committee

**BACKGROUND:** This request supports the implementation of the Collaborative IDEP Plan that was approved by Michigan Department of Environment, Great Lakes and Energy (EGLE) on September 29, 2017. The plan directly supports the stormwater permitting requirements for the ARC members listed in Table 1.

**Table 1. ARC Members Participating in the Collaborative IDEP Plan**

COMMUNITIES		
Beverly Hills, Village of	Franklin, Village of	Oak Park, City of
Bingham Farms, Village of	Garden City, City of	Plymouth, City of
Birmingham, City of	Inkster, City of	Plymouth Township
Bloomfield Hills, City of	Lathrup Village, City of	Redford Township
Bloomfield Township	Livonia, City of	Southfield, City of
Canton Township	Melvindale, City of	Troy, City of
Dearborn Heights, City of	Northville, City of	Walled Lake, City of
Farmington, City of	Northville Township	Wayne, City of
Farmington Hills, City of	Novi, City of	West Bloomfield Township
		Westland, City of
COUNTIES	SCHOOLS	
Oakland County	Henry Ford College	
Wayne County		

The Collaborative IDEP Plan elements to be addressed in this budget request are as follows:

- BMP #0. Meetings and Facilitation (not included in the Plan but needed to facilitate implementation of the Plan)
- BMP #1. Storm Sewer GIS
- BMP #3. Investigations
- BMP #4. Training
- BMP #5. Pollution Complaints
- BMP #6. Facility Dye Testing

**DESCRIPTION OF ANTICIPATED ACTIVITIES:****BMP #0. Meetings and Facilitation.** Executive Director (ED) staff will

- Conduct up to two Technical Committee meetings including preparation of agenda and handouts; meeting facilitation; and the distribution of meeting summaries including recommendations for the Executive Committee;
- Develop budget recommendations for the following year's budget and provide supporting documentations;
- Survey members on various topics as necessary including the identification of additional priority areas; and
- Report on topics of interest to the Technical Committee throughout the year.

**BMP #1. Storm Sewer GIS.** ED staff will request updates to communities' storm sewer and outfall GIS layers. Any updates will be added to master GIS database. As of March 2020, storm sewer GIS has already been supplied from 24 of 29 permittees and outfall GIS data has been collected from all 29 permittees. The communities who have yet to complete this work are listed below.

COMMUNITY	STILL NEED STORM SEWER IN GIS
Beverly Hills	X
Franklin	X
Lathrup Village	X
Melvindale	X
Redford Township	X

**BMP #3. IDEP Investigations.** Conduct concentrated field investigations in priority areas (See Attachment A) to further isolate problem areas, identify illicit connections, and support community efforts to remove them. Work within Wayne County will be addressed by Wayne County Department of Public Services (WCDPS) staff with oversight by ED staff. Work within Oakland County will be undertaken by ED staff unless it falls within a county drain. County drain work will be undertaken by Oakland County Water Resources Commission (OCWRC) staff. Work by WCDPS and OCWRC will be funded outside of the ARC's budget.

The field work will involve a combination of sampling, dye testing, smoke testing and CCTV inspections, as necessary, to locate illicit discharge sources. A report will be prepared by ED and WC staff to summarize the results of their investigations and recommended next steps for subsequent years.

Prior to expending budget for this task, Wayne County and ED staff will each present a scope of work and budget for review and approval by the Technical Committee.

**BMP #4. IDEP Training.** ED staff will coordinate with SEMCOG to schedule an IDEP Investigator and Stormwater Pollution Prevention training. The ARC will also provide 3 trainers for the IDEP Investigator Training (1 from WC and 2 from ED). Facility and administration costs will be funded by others.

**BMP #6 Facility Dye Testing.** ED staff will follow-up with permittees who have not completed dye testing of their municipal facilities. As of March 2020, the 23 of 29 permittees have completed this work. The communities that have yet to complete this work are listed below.

COMMUNITY	STILL NEED FACILITIES DYE TESTED
Beverly Hills	X
Birmingham (golf courses)	X
Bloomfield Hills	X
Lathrup Village	X
Novi	X
Walled Lake	X

**BMP #9. Effectiveness Reporting.** ED staff will update the previously developed metric data tables based on the results of Activities BMP 1, 3, 4 and 6, as described above. This will be done in preparation of the 2022 progress report.

**RATIONALE (including why needed):** These tasks are consistent with the Phase II permit and the EGLE-approved Collaborative IDEP Plan.

**BUDGET (including how the amount requested was established):** The estimated total budget for this initiative is \$88,720 as summarized in the table below. A portion of this funding (\$55,220) will be provided by ARC dues which is \$33,500 under the budget established in the 5-Year Plan. This savings is the direct result of Wayne County providing services at no cost to the ARC. The detail for the ED's budget can be found in the ED's contract and Work Order 2021-1.

**Estimated Budget and Responsible Parties by Activity**

TASK	RESPONSIBLE PARTY	AMOUNT	MATCH
<b>TC1: Annual Activities</b>			
BMP 0. Meetings and Facilitation BMP 3. IDEP Oversight & Investigations*	ARC Staff	\$50,520	0
BMP 3. IDEP Investigations*	WC	0	\$30,000
<b>Subtotal TC1</b>		<b>\$50,520.00</b>	<b>\$30,000.00</b>
<b>TC2: Permit Cycle Activities</b>			
BMP 1. Storm sewer GIS BMP 4. IDEP Training BMP 6. Facility Dye Testing BMP 9. Effectiveness Reporting	ARC Staff	\$4,700	0
BMP 4. IDEP Training	WC	0	\$3,500
<b>Subtotal TC2</b>		<b>\$4,700.00</b>	<b>\$3,500.00</b>
<b>Total TC Budget</b>		<b>\$55,220.00</b>	<b>33,500.00</b>

\*Scopes of work to be defined and approved prior to budget expenditures.

**PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION:** The responsible parties for each element are outlined in the table above. The Chair of the Technical Committee will oversee completion of the scope of work on behalf of the ARC.

**Attachment A.  
Outstanding IDEP Investigations for 2021\***

Permittee	Outfall ID	Status	Result
<b>WITHIN OAKLAND COUNTY</b>			
Beverly Hills	BV66	Ongoing	Illicit connection identified. Waiting for correction to conduct verification sampling.
	BV51	Ongoing	Unknown
Farmington Hills	FH01	Ongoing	Conflicting results
Northville	NV03	Ongoing	Illicit connection identified. Waiting for correction to conduct verification sampling.
	NV22	Ongoing	Unknown
	NV23	Ongoing	Likely animal
	NV57	Ongoing	Human source suspected
<b>WITHIN WAYNE COUNTY</b>			
Livonia	U2008221	Began	Sewage sources suspected
	6038	Not yet started	
	13002	Not yet started	
	U2008231	Not yet started	
	M2008117	Not yet started	
	U2008238	Not yet started	
	2680	Not yet started	
	L1619	Not yet started	
	L3582	Not yet started	
Plymouth	Levan Rd South 42"	Ongoing	Sewage sources suspected
	PY8	Ongoing	Sewage sources suspected
	PY27	Ongoing	
	PY5	Began	
	Harvey St (with Beech/Palmer St.)	Ongoing	4 illicit sewage connections (corrected)
	Mill/Park St.	Pending correction	3 illicit sewage connections
Westland	Amelia St.	Pending correction	1 illicit sewage connection
	SWOF-00278	Ongoing	Non-bacteria issue

\*Subject to change based on work completed in the 4<sup>th</sup> quarter of 2020.