



Working together, restoring the river

James W. Ridgway, P.E.
Executive Director

DRAFT AGENDA
August 3, 2017 1:30 – 3:30 p.m.

Novi Civic Center
Parks, Recreation & Cultural Services Center, Banquet and Gateway Quarters
45175 W. Ten Mile Rd., Novi

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
Oakland County
Oak Park
Orchard Lake
Plymouth
Plymouth Twp.
Redford Twp.
Rochester Hills
Romulus
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
Rouge River Advisory Council
Southeastern Oakland
County Water Authority
The Henry Ford
Wayne State University

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James W. Ridgway, P.E.
Executive Director



Working together, restoring the river

DRAFT MEETING SUMMARY
ALLIANCE OF ROUGE COMMUNITIES
March 23, 2017, 1:00 p.m. – 3:00 p.m.
Romulus Athletic Center

- 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.
- Pontiac
- Redford Twp.
- Rochester Hills
- Romulus
- 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

1. **Welcome** (Jill Rickard, Treasurer, for Brandy Siedlaczek)
 - a. **Roll Call /Determination of Quorum** - Roll call was taken. The 24 members listed below were in attendance, which was sufficient for a quorum.

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

- b. **Introduction of ARC guests**
Jill Rickard, Treasurer, asked all guests in attendance to introduce themselves.

- c. **Additions or Changes to the Draft Meeting Agenda**
There were no additions or changes to the draft agenda.

- d. **Approval of November 15, 2016 Meeting Summary**
The motion was made by Kathryn Hagaman, Bingham Farms, to approve the November 15, 2016 meeting summary. It was seconded by Karen Mondora, Farmington Hills, and passed unanimously.

Cooperating Partners:
Cranbrook Institute of Science
Friends of the Rouge
Rouge River Advisory Council
Southeastern Oakland
County Water Authority
The Henry Ford
Wayne State University

e. Resolution

Jim Ridgway announced the resolution prepared for Kelly Cave who is retiring from Wayne County. He thanked her for her advocacy and dedication to the ARC and the Rouge River. The Alliance of Rouge Communities extends its gratitude to Kelly and wishes her all the best in retirement.

2. Executive Director Report

a. Grant Status Report

John O'Meara, ARC Staff, gave the grant project status report.

ONGOING GRANTS:

SAW Grant: Monitoring and Stormwater Management Planning

Annette DeMaria gave a summary of the SAW activities to date. Communication with MDEQ regarding applications. Revisions to the collaborative plans have been made based on MDEQ comments. Responses to the MDEQ comments have been completed and returned to MDEQ. The development of the monitoring plan has begun. Contracting with USGS for gathering of some of the data was initiated along with securing a Wayne County permit for installation of a monitoring station in Johnson Creek. 3 communities will be piloted for stormwater financing data analysis. Data collection with those communities is under way. She stated that ARC staff hope to have a draft white paper on stormwater financing. ARC staff will also be meeting with the various stakeholder groups. There will be no extension allowed on the SAW grant based on feedback from other grant recipients.

Patrick Fellrath, Plymouth Twp., asked if there was a map of the areas taken off the TMDL list. Andrew Bahrou, MDEQ, said he would see what he can find to show that information.

FOTR-ARC Merger Investigation

The ARC met with the new FOTR Executive Director to bring her up to speed on the background of the merger.

Collaborative Invasive Species Control in Rouge and Detroit River AOC

The project is being led by Wayne County DPS. Grant extension was granted and IAA amendment signed. Kelly Cave, Wayne County, reported that they are looking for more sites for phragmites control like parks and they are looking at treatment in late summer or early fall.

US Forestry Service 2014 Tree Grant

Final report was submitted to USDA-FS and the report was accepted. Project completed.

NOAA GLRI Habitat Restoration: Henry Ford Estate Dam Fish Passage (Design)

ARC hosted a project partners meeting in December. Long-term access was designed and plans were finalized. The MDEQ permit application package was submitted and a site meeting with MDEQ was held in March 2017.

2016 Rouge River Public Advisory Council (RRAC) Support

FOTR fish study was completed. 3 habitat project descriptions have been flushed out for future funding opportunities. Held RRAC meeting in February.

NOAA Regional Partnership

This grant, administered by Friends of the Detroit River, is a partnership for conducting listed habitat projects within the Detroit and Rouge AOCs as determined by EPA and NOAA. There are no activities for the Rouge currently.

EPA Wayne County Rouge AOC Habitat Projects

Wayne County has received a grant from EPA to complete three Rouge AOC habitat list projects, for which they are the majority landowner. The IAA between Wayne County and the ARC has been drafted and is proceeding through the county process for execution. Work is anticipated to begin in April.

GRANTS SUBMITTED:

MDEQ OGL Public Advisory Support

The ARC submitted a grant application to the MDEQ Office of the Great Lakes for continued facilitation of RRAC, further development of the habitat project descriptions which will allow for future grant funding of activities and additional sampling to characterize the Rouge fish community and educate the general public about the diversity and distribution of Rouge fish. The grant is for \$29,985.

GLRI USDA Forest Service

The ARC is submitting a grant application to the USDA Forest Service for trees to “Mitigate Emerald Ash Borer (EAB) Impacts – Acres treated for tree canopy restoration with non-host species in urban EAB quarantine areas to enhance and restore biodiversity and water quality”. 19 members are participating and the grant is for \$100,000.

b. 2016 Executive Director’s Annual Report

The Executive Director’s Annual Report for 2016 was distributed and is available on the ARC’s website.

c. Call for Projects

John O’Meara asked members to forward any projects they may have in mind that ARC Staff can begin to research funding mechanisms.

3. Rouge River Fish Survey Results – Sally Petrella, FOTR

Sally Petrella gave a presentation of the results from the SPAC funded fish survey to the Full ARC.

4. Treasurers/Finance Committee Report (Jill Rickard, Treasurer)

a. 2017 Membership Dues

Chris O’Meara reported that the first round of invoices went out in February.

Chris O’Meara reported that the ARC’s 2016 audit and taxes have begun. ARC Staff will be providing all information to the accountants for review. The accountants have recommended that the ARC go through a Yellow Book Audit. This is because in 2015 and again in this 2016 audit the ARC was not required to do an A133 audit because we did

not receive over \$750,000 in federal funds. The Yellow Book Audit will look at our processes in a similar way to the A133 but is not as in-depth but shows the government that we are still operating as expected. This will also still be within our budgeted amount for the audit.

b. 2017 A/R & A/P Reports

Chris O'Meara reviewed the accounts receivable and payables reports.

c. 2016 Budget Amendment

FC1-SPAC9 – Facilitation, Habitat & Fish Project

John O'Meara reviewed the grant application to the MDEQ Office of the Great Lakes for continued facilitation of RRAC, further development of the habitat project descriptions which will allow for future grant funding of activities and additional sampling to characterize the Rouge fish community and educate the general public about the diversity and distribution of Rouge fish. The grant is for \$29,985. It was requested that this grant be added to the 2017 budget, upon award, as it is expected to be awarded before the next round of ARC meetings. The motion was made by John Beisel, Farmington Hills, to add FC1 adding the SPAC9 – Facilitation, Habitat & Fish Project to the 2017 budget upon grant award to the 2017 budget. The motion was seconded by Charles Markus, Bloomfield Twp., and passed unanimously.

d. 2013 ECT Contract Amendment

Appendix O – SPAC9 – Facilitation, Habitat & Fish Project

John O'Meara reviewed the contract amendment which would add \$15,001 for the SPAC9 – Facilitation, Habitat & Fish Project upon grant award. It was requested that this contract amendment be added to the 2013 ECT contract, upon award, as it is expected to be awarded before the next round of ARC meetings. The motion was made by Bob Belair, Canton Twp., to add Appendix O to the ECT 2013 contract for the Facilitation, Habitat & Fish Project upon grant award. The motion was seconded by Kathryn Hagaman, Bingham Farms, and passed unanimously.

5. The Value of Trees – Patrick Judd, ARC Staff

Patrick Judd gave a presentation regarding the benefits of communities planting trees along with improvements to how trees should be planted to increase their survival.

6. Standing Committee Reports

a. Organization Committee (Kelly Cave, Chair)

Kelly Cave reported that the Organization Committee has nothing to report.

b. PIE Committee

Charles Markus reported that the PIE Committee will be working to fill the native plant seed requests. He reported that ARC staff will also be doing the tree seedlings in the fall.

ARC staff will be drafting a native seed information card in addition to designing the kneeling pad. ARC Staff are also going to be replenishing some of the public education materials including the pet waste containers, fertilizer clips and the FOG brochure.

ARC Staff will be following up to get communities to volunteer to host Septic System workshops in Wayne and Oakland County in addition to a stewardship workshop. These are planned for the fall.

Wayne County requested to re-scope their budget for the Green Schools portion of their 2017 activities which was budgeted to buy trees for Green Schools. A 2/6/17 email vote of the PIE committee supported this change in scope, there is no increase to the budget. This will bring the Stream Table to 3 ARC Green Schools instead. This is a partnership with the U of M Museum of Natural History to present the River Residency Workshop to Elementary and Middle schools. There are 3 different programs the schools can choose from: 1) Water, Weather and a River Community; 2) How Water Shapes the Land; and 3) Protecting Our Wetlands. While ½ the class is at the table the other half is learning about erosion, water tables, water treatment, etc.

c. Technical Committee

Annette DeMaria reported on behalf of Karen Mondora and stated that a Technical Committee meeting was held on March 13 and prior to the meeting several ARC members had lunch with the new FOTR Executive Director Marie McCormick. At the Technical Committee meeting, the 2016 IDEP final reports from Wayne and Oakland counties were reviewed, the 2017 IDEP work plans for both counties were approved which included \$35k for Wayne County work and \$3k for IDEP training which will be hosted by Macomb County and \$35K for Oakland County IDEP work. In addition, the draft response to MDEQ's comments on the Collaborative TMDL plan was reviewed.

Andrew Bahrou, MDEQ, added that they are reviewing the ARC's comments on the TMDL and we hope to come to an agreement. Some of their concerns were with the record keeping and documenting.

7. Report from Cooperating Partners

Cranbrook Institute of Science

Michele Arquette Palermo said to forward any items you would like to advertise for April.

Friends of the Rouge

FOTR reported that Rouge Rescue is coming up on May 20 and on April 22 is the bug hunt.

8. Report from Counties

Jacy Garrison, Oakland County, reported that they hope to have a draft of the stormwater standard available by May, 2017 with the final in November. She also reported that Phil Sanzica will be retiring and Anne Varra has been hired as the new Deputy Director.

Kelly Cave, Wayne County, reported that they have a household hazardous waste events are scheduled with one coming up on April 22 in Romulus.

Kelly Cave, Wayne County, stated that they also hope to have their updated stormwater ordinance in November.

9. Report from MDEQ

Andrew Bahrou reported that the MDEQ appreciates the preparation of the IDEP and PEP comments that the ARC is providing. He reported that the PEP has been approved and they continue to discuss the Collaborative IDEP. He is focusing now on reviewing the comments received by the ARD on the Collaborative TMDL. He expressed that he is open to meeting to review and discuss any of the comments on the collaborative plans.

10. Opportunity for Public Comment

John O'Meara, ARC Staff, informed the Full ARC that ARC staff and Kelly Cave will be attending the International Association of Great Lakes Research and doing presentations on the Rouge River.

11. Summary of Actions of Full Alliance (Chris O'Meara, ARC staff)

- The November 16, 2016 meeting summary was approved.
- The 2016 budget amendment FC1-SPAC9 Facilitation, Habitat & Fish Project was approved upon grant award.
- The 2013 ECT contract amendment adding Appendix O Facilitation, Habitat & Fish Project was approved upon grant award.

12. Other Business

Gary Mekjian, Farmington Hills, asked for a brief update on the Stormwater Funding Bill.

13. Adjourn

The motion was made by Charles Markus, Bloomfield Twp., to adjourn the meeting. The motion was seconded by Kathryn Hagaman, Bingham Farms, and passed unanimously.

Alliance of Rouge Communities Attendance List

Meeting Date: 3/23/17

Name	Community	Attended	Initials
	Redford Township	<input type="checkbox"/>	
		<input type="checkbox"/>	
Akers	Ron	Van Buren Twp.	<input type="checkbox"/>
Arquette-Palermo	Michele	Cranbrook Institute of Science	<input type="checkbox"/>
Ballnik	Dan	RRAC	<input type="checkbox"/>
Bayley	Nicholas	Westland (OHM)	<input checked="" type="checkbox"/> <i>NSB</i>
Belair	Bob	Canton Township	<input checked="" type="checkbox"/> <i>RAB</i>
Best	Matthew	Van Buren Twp.	<input type="checkbox"/>
Bivins	Jerome	Inkster	<input checked="" type="checkbox"/> <i>JB</i>
Boote	Marty	ECT	<input type="checkbox"/>
Borton	Cory	Birmingham (HRC)	<input checked="" type="checkbox"/> <i>CB</i>
Borton	Cory	Bloomfield Hills (HRC)	<input type="checkbox"/>
Borton	Cory	Village of Beverly Hills (HRC)	<input type="checkbox"/>
Buiten	Mike	Wayne	<input type="checkbox"/>
Byrd	Jim	Wixom	<input type="checkbox"/>
Casari	Tom	Northville Township	<input type="checkbox"/>
Cassady	Erin	Friends of the Rouge	<input type="checkbox"/>
Cave	Kelly	WCDPS	<input type="checkbox"/>
Craig	Bill	RRAC	<input type="checkbox"/>
Cravens	Jay	Bloomfield Hills	<input type="checkbox"/>
Creech	James	Village of Franklin	<input type="checkbox"/>
Davis	Paul	Rochester Hills	<input checked="" type="checkbox"/> <i>PMD</i>
Dean	Lillian	SOCWA	<input type="checkbox"/>
DeMaria	Annette	ECT	<input type="checkbox"/>
Domine	Wayne	Bloomfield Township	<input type="checkbox"/>
Dotson	Trisha	Livonia	<input checked="" type="checkbox"/> <i>TD</i>

Meeting Date: 3/23/17

<i>Name</i>		<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Douville	Jeff	Bingham Farms	<input type="checkbox"/>	
El-Gharib	Ramzi	Westland	<input checked="" type="checkbox"/>	RGE
Eudy <i>CRASH</i>	Chuck <i>JESH</i>	Farmington	<input checked="" type="checkbox"/>	FCR
Faas	Tim	Canton Township	<input type="checkbox"/>	
Fellrath	Patrick	Plymouth Township	<input checked="" type="checkbox"/>	PAK
Fletcher	Austin	Birmingham	<input type="checkbox"/>	
Fortura	Rocco	Oak Park	<input type="checkbox"/>	
Galogly	James	Northville	<input type="checkbox"/>	
Garrison	Jacy	Oakland County	<input checked="" type="checkbox"/>	JO
Greco	Sam	Henry Ford College	<input type="checkbox"/>	
Hagaman	Kathryn	Bingham Farms	<input checked="" type="checkbox"/>	KPH
Hammond	Bruce	Melvindale	<input type="checkbox"/>	
Hanna	Souzan	Troy (HRC)	<input type="checkbox"/>	
Hanna	Karen	Friends of the Rouge	<input type="checkbox"/>	
James	Jay	Commerce Township	<input checked="" type="checkbox"/>	(JC)
Kahle	Chris	University of Michigan-Dearborn	<input type="checkbox"/>	
Kaplan	Steven	West Bloomfield Township	<input type="checkbox"/>	
Keenan	Shawn	Auburn Hills	<input type="checkbox"/>	
Kelley	Harold	Henry Ford College	<input type="checkbox"/>	
Kern	Ryan	Garden City (Hennessey Engineer	<input type="checkbox"/>	
Kramarz	Kristina	Dearborn Heights	<input type="checkbox"/>	
Kurleto	James	Cranbrook Institute of Science	<input type="checkbox"/>	
Labadie	Marshall	West Bloomfield Township	<input checked="" type="checkbox"/>	
Leach	Josh	Farmington	<input type="checkbox"/>	
MacDonell	Matt	Washtenaw County Road Commis	<input type="checkbox"/>	
Markus	Charles	Bloomfield Township	<input checked="" type="checkbox"/>	CJM
Marshall	Ellen	SOCWA	<input type="checkbox"/>	

Meeting Date: 3/23/17

Name		Community	Attended	Initials
Marten	Ken	Lathrup Village	<input checked="" type="checkbox"/>	KM
McCallum	Gerry	Orchard Lake Village	<input type="checkbox"/>	
Mekjian	Gary	Farmington Hills	<input type="checkbox"/>	
Melchert	Ron	Auburn Hills	<input type="checkbox"/>	
Melistas	George	Novi	<input type="checkbox"/>	
Mondora	Karen	Farmington Hills	<input type="checkbox"/>	
Moore	Doug	Livonia	<input checked="" type="checkbox"/>	D
Mullett	Noel	WCDPS	<input type="checkbox"/>	
Mullin	Christopher	Wayne County Airport Authority	<input type="checkbox"/>	
Nash	Jim	Oakland County	<input type="checkbox"/>	
Olsztyn	Olivia	Bloomfield Township	<input type="checkbox"/>	
O'Meara	John	ECT	<input type="checkbox"/>	
Ordus	Larrie	Melvindale	<input type="checkbox"/>	
Ortiz	Richard	Melvindale	<input type="checkbox"/>	
Paletko	Dan	Dearborn Heights	<input type="checkbox"/>	
Pasciolla	Angela	Bloomfield Township	<input type="checkbox"/>	
Perez	Thomas	University of Michigan-Dearborn	<input type="checkbox"/>	
Petrella	Sally	FOTR	<input type="checkbox"/>	
Pollizzi	Tim	Rochester Hills	<input type="checkbox"/>	
Porman	Chris	Plymouth	<input type="checkbox"/>	
Potter	Andrew	Lathrup Village	<input type="checkbox"/>	
Pratt	Evan	Washtenaw County Water Resour	<input type="checkbox"/>	
Price	Meghan	ECT	<input checked="" type="checkbox"/>	MP
Radtke	Jana	Plymouth Township	<input type="checkbox"/>	
Rice	Heather	Washtenaw County Water Resour	<input type="checkbox"/>	
Rickard	Jill	Northville Township	<input type="checkbox"/>	
Ridgway	Jim	ECT	<input checked="" type="checkbox"/>	JR

Meeting Date: 3/23/17

<i>Name</i>		<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Ritter	Kathy	Romulus	<input checked="" type="checkbox"/>	KR
Rodgers	Chelsea	Walled Lake	<input type="checkbox"/>	
Rohraff	Don	Livonia	<input type="checkbox"/>	
Roney	Kevin	Garden City	<input type="checkbox"/>	
Ross	Cyndi	FOTR	<input type="checkbox"/>	
Saif	Sermed	Orchard Lake Village (Tri-Co. Eng.	<input checked="" type="checkbox"/>	SS
Scappaticci	Roberto	Romulus	<input type="checkbox"/>	
Schultz	Leigh	Southfield	<input type="checkbox"/>	
Scott	David	Commerce Township	<input type="checkbox"/>	
Selmi	John	Redford Township	<input checked="" type="checkbox"/>	
Siddall	Sheryl	Washtenaw County Road Commis	<input type="checkbox"/>	
Siedlaczek	Brandy	Southfield	<input type="checkbox"/>	
Sikma	Tim	Wixom	<input checked="" type="checkbox"/>	
Sincock	Paul	Plymouth	<input type="checkbox"/>	
Smrtka	Barb	Farmington Hills	<input type="checkbox"/>	
Staup	Aaron	Novi	<input checked="" type="checkbox"/>	AS
Sullivan	Patrick	Northville	<input type="checkbox"/>	
Tucker	Eric	Inkster	<input type="checkbox"/>	
Vandette	Steven	Troy	<input checked="" type="checkbox"/>	
Wagoner	Bryan	Wayne County Airport Authority	<input checked="" type="checkbox"/>	BOW
Whitt	L. Dennis	Walled Lake	<input type="checkbox"/>	
Wilson	Tom	Livonia	<input type="checkbox"/>	
Wineka	Jim	Oakland County	<input type="checkbox"/>	
Wren	Elizabeth	Village of Beverly Hills	<input type="checkbox"/>	
Yee	Kevin	Oak Park	<input type="checkbox"/>	

ONGOING ARC GRANT PROJECTS STATUS – 7/7/2017

Collaborative Invasive Species Control in Rouge and Detroit River AOC

The project is being led by Wayne County DPS. Grant extension was granted and IAA amendment signed.

SAW Grant: Monitoring and Stormwater Management Planning

- Public Education
 - Collaborative PEP and PPP plans were approved on March 28, 2017
 - Completed the development of the Public Attitudes Survey (PAS). It will be distributed in mid-July and continue through the fall workshops.
 - Dates have been scheduled for 2 workshops to promote the PAS October 26 in West Bloomfield Twp., Oakland County and October 11 in Canton Twp., Wayne County.
 - Traveling display banners have been in Livonia, Redford Twp., Northville Twp., Westland and Canton Twp.
- IDEP
 - Held meetings with MDEQ regarding the plan.
 - Prepared a draft response to MDEQ's latest comments which is under review by the members.
 - Revised IDEP plan due to MDEQ on July 25.
 - Completed a draft outfall location GIS layer for all IDEP plan participant. It can be viewed online.
- Permit applications
 - No feedback from MDEQ on the individual applications.
- TMDL
 - Revised plan submitted to MDEQ on March 30, 2017.
 - No response from MDEQ.
- Monitoring
 - Completed water quality monitoring plan.
 - Completed 10 weeks of E. coli and suspended solids sampling at 90 sites thru July 7th.
 - Completed the gage and monitoring equipment installation on Johnson Creek.
 - Completed 10 weeks of continuous dissolved oxygen monitoring at 6 sites thru July 7th.
 - Distributing results of the E. coli sampling to ARC members on a monthly basis.
- Stormwater Financing
 - Completed data collection and initial data analysis for 3 pilot communities.
 - Held individual meetings with the pilot communities to discuss community specific details to better understand GIS data and stormwater costs.

NOAA GLRI Habitat Restoration: Henry Ford Estate Dam Fish Passage (Design)

The MDEQ draft permit issued. Final report submitted and accepted. Project complete under NOAA.

2016 Rouge River Public Advisory Council (RRAC) Support

Held RRAC meeting in May. Habitat project descriptions were presented at May RRAC meeting. Final reporting drafted and submitted to MDEQ.

NOAA Regional Partnership

This grant, administered by Friends of the Detroit River, is a partnership for conducting listed habitat projects within the Detroit and Rouge AOCs as determined by EPA and NOAA. There are no activities for the Rouge currently.

EPA Wayne County Rouge AOC Habitat Projects

The IAA between Wayne County and the ARC has been approved and signed. Work began in May.

- **Henry Ford Estate Dam Fish Passage**
 - Began completing construction plans by adding construction details for bidding.
 - Correspondence with Michigan SHPO office on status of clearance.
 - Responded to MDEQ draft permit. Final draft permit submitted to Wayne County Parks June 2017.
 - Conducted site visit with agency officials.
 - Begin drafting contract front end specifications
 - Anticipate bidding project by August 2017

- **Oxbow Phase III Implementation**
 - Submitted plans to Wayne County permit office
 - Began development of construction contract plans for bidding.
 - Meeting with project site partners (WC, The Henry Ford and ARC) was held to kick off the work.
 - Site visit for construction layout scenarios was conducted
 - Anticipate bidding of project by August 2017.

GRANTS SUBMITTED

MDEQ OGL Public Advisory Support

The ARC submitted a grant application to the MDEQ Office of the Great Lakes for continued facilitation of RRAC, further development of the habitat project descriptions which will allow for future grant funding of activities and additional sampling to characterize the Rouge fish community and educate the general public about the diversity and distribution of Rouge fish. The grant is for \$29,985. Grant approved and anticipating contract this July 2017.

GLRI USDA Forest Service

The ARC submitted a grant application to the USDA Forest Service for trees to “Mitigate Emerald Ash Borer (EAB) Impacts – Acres treated for tree canopy restoration with non-host species in urban EAB quarantine areas to enhance and restore biodiversity and water quality”. There are 19 members are participating and the grant is for \$100,000.

9:22 AM

07/27/17

Alliance of Rouge Communities
A/R Aging Summary
 As of July 27, 2017

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Great Lakes Commission - PAC grant	0.00	0.00	7,884.90	0.00	0.00	7,884.90
Henry Ford Community College	0.00	750.00	0.00	0.00	0.00	750.00
Pontiac	0.00	0.00	0.00	0.00	0.00	0.00
Redford Township	0.00	0.00	0.00	11,610.00	0.00	11,610.00
Southfield	0.00	17,943.00	0.00	0.00	0.00	17,943.00
Wayne County Airport Authority	0.00	0.00	0.00	0.00	0.00	0.00
Wayne County DOE	0.00	0.00	0.00	0.00	927.08	927.08
TOTAL	0.00	18,693.00	7,884.90	11,610.00	927.08	39,114.98

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07/27/17

Alliance of Rouge Communities
A/P Aging Summary
As of July 27, 2017

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Environmental Consulting & Technology, In	0.00	95,069.14	0.00	0.00	0.00	95,069.14
TOTAL	<u>0.00</u>	<u>95,069.14</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>95,069.14</u>

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07/27/17

Accrual Basis

Alliance of Rouge Communities
Profit & Loss Budget vs. Actual
December 2016 through December 2017

	Dec '16 - Dec 17	Budget
Ordinary Income/Expense		
Income		
47200 · Program Income		
4787 · 2017 ARC Member Dues	263,460.00	263,730.00
Total 47200 · Program Income	263,460.00	263,730.00
48000 · Grants		
48905 · WCGL1 Inv Spec Col 2014	0.00	14,323.00
48907 · SAW1 Stormwater Permit app 2015	248,633.03	940,153.00
48908 · NOAA3-HFE Dam Fish Passage	104,160.43	200,000.00
48910 · GLC PAC Support 8 RRAC Fac2016	15,769.80	14,972.00
60665 · WC EPA1 HFE Fishway	0.00	180,000.00
60666 · WC EPA2 Oxbow Phase 3	0.00	130,000.00
Total 48000 · Grants	368,563.26	1,479,448.00
Total Income	632,023.26	1,743,178.00
Expense		
60400 · ARC Awards and Grants		
60410 · OC1-Executive Director Services		
604421 · OC1 - Saw mtgs & planning	8,428.02	
60410 · OC1-Executive Director Services - Other	43,876.75	90,000.00
Total 60410 · OC1-Executive Director Services	52,304.77	90,000.00
60420 · Public Involv. & Education Com.		
60001 · PIE2-Public Ed Materials	12,626.26	14,000.00
6042 · PIE5-Watershed Steward & Report	129.00	
60421 · PIE1-Green Infrast. Campaign	340.00	21,500.00
60420 · Public Involv. & Education Com. - Other	18,057.06	29,500.00
Total 60420 · Public Involv. & Education Com.	31,152.32	65,000.00
60430 · Technical Committee		
60431 · TC1-R. R. Water. Monitor Act.	13,208.95	58,500.00
60432 · TC2-ARC Collaborative IDEP Plan	3,062.94	66,000.00
60430 · Technical Committee - Other	1,570.00	
Total 60430 · Technical Committee	17,841.89	124,500.00
604605 · SPAC8-RRAC Facilitation 2016	11,271.58	14,972.00
60662 · SAW1 - SW permits		
6066201 · SAW Grant PEP Plan	17,240.97	
6066202 · SAW Grant IDEP Plan	20,915.26	
6066203 · SAW Grant GH/P2	1,126.52	
6066204 · SAW Grant Admin	14,002.50	
6066207 · SAW Grant TMDL	9,418.84	
6066208 · SAW Grant SW Fund Frm	47,815.23	
6066209 · SAW Ecosystem monitoring	149,795.32	
999995 · SAW Grant Match-contrib submit	-21,617.58	
999996 · SAW Grant match-contrib recvd	0.00	
60662 · SAW1 - SW permits - Other	0.00	940,153.00
Total 60662 · SAW1 - SW permits	238,697.06	940,153.00
60663 · WCGL1 - WC Inv Species Collab.	0.00	14,323.00
60664 · NOAA3-HFE Dam Fish Passage	80,131.91	200,000.00
Total 60400 · ARC Awards and Grants	431,399.53	1,448,948.00
606651 · WC EPA1 HFE Fishway	3,622.50	180,000.00
606652 · WC EPA2 Oxbow Phase 3	4,834.25	130,000.00

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07/27/17

Accrual Basis

Alliance of Rouge Communities
Profit & Loss Budget vs. Actual
 December 2016 through December 2017

	Dec '16 - Dec 17	Budget
62100 · Contract Services		
62110 · FC1-Accounting Fees	13,671.50	18,000.00
62140 · FC1-Legal Fees	0.00	2,000.00
65120 · FC2-Insurance - D&O	923.00	1,500.00
Total 62100 · Contract Services	14,594.50	21,500.00
Total Expense	454,450.78	1,780,448.00
Net Ordinary Income	177,572.48	-37,270.00
Net Income	177,572.48	-37,270.00

**Alliance of Rouge Communities
DRAFT 2017 Budget**

Anticipated Revenues Available for 2017

2017 Anticipated Dues from Communities	\$263,730
SPAC Grant	\$29,972
GLRI Grant	\$200,000
Wayne County Grants	\$324,323
SAW Grant	\$940,153
Corporate Support	\$0
Rollover Dues from 2016 Budget (estimate)	\$68,000
	\$1,826,178

Approved by Full ARC on 11-15-16

Budget Amendments:

#1 3-23-17 Approved by Full ARC
#2 6-27-17

Proposed ARC Budget Items	Committee Budget	Funding Source(3)							"Provider" Using Budget (2)
		ARC Dues	SPAC Grant	GLRI/NOAA Grant		SAW Grant	Wayne County	Other Source/Match	
Organization Committee									
(1)OC1 Executive Director Services	\$ 90,000	\$ 90,000							EDS
Pursuing Grant Opportunities		\$ -							EDS
OC2 ARC-FOTR Integration	\$ 10,000	\$ 10,000							
Organization Committee Total	\$ 100,000	\$ 100,000							
Finance Committee									
FC1 Accounting/Legal Services	\$ 20,000	\$ 20,000							outside purchase
FC2 ARC Insurance	\$ 1,500	\$ 1,500							outside purchase
Finance Committee Total	\$ 21,500	\$ 21,500							
Public Education and Involvement Committee									
PIE1 Development and Implementation	\$ 65,000	\$ 65,000							EDS/WC/FOTR
		\$ -							
PIE Committee Total	\$ 65,000	\$ 65,000						\$ -	
Technical Committee									
TC1 Rouge River Macroinvertebrate Monitoring	\$ 58,500	\$ 58,500							FOTR/WC/EDS
TC2 IDEP Activities	\$ 81,000	\$ 66,000						\$ 15,000	EDS/WC/OC
Technical Committee Total	\$ 139,500	\$ 124,500						\$ 15,000	
Total Amount Requested by All Committees	\$ 326,000	\$ 311,000	\$ -						\$ 15,000
Other Grants (3)									
SAW1 SAW grant 5/1/15-12/31/18	\$940,153					\$940,153			EDS/WC/FOTR/OC
WCGL1 Wayne County Inv. Species Col. 6/1/15-2/1/17	\$14,323						\$14,323		EDS
NOAA3 NOAA HFE Dam Fish Passage Design 9/1/15-4/30/17	\$200,000			\$200,000					EDS/WC
SPAC8 SPAC8 RRAC Facilitation 6/16 - 6/30/17	\$14,972		\$14,972						EDS/WC
SPAC9 SPAC9 RRAC - Facilitation, habitat & fish 4/1/17-6/30/18	\$15,000		\$15,000						
WCEPA1 HFE Dam Fishway Implementation 12/1/16-6/30/18	\$180,000						\$180,000		
WCEPA2 Oxbow Restoration Phase 3 12/1/16-6/30/18	\$130,000						\$130,000		
Total Other Grants:	\$1,494,448	\$0							
TOTAL BUDGET	\$1,820,448	\$311,000	\$29,972	\$200,000	\$0	\$940,153	\$324,323	\$15,000	
TOTAL INCOME	\$1,826,178								
Available Unallocated ARC Budget (total income minus total budget)	\$ 20,730								

Notes

- (1) Includes fiduciary services, advocacy and administration
EDS - Executive Director Services, WC - Wayne County, OC - Oakland County Officers and committee members provide assistance to implement most of the ARC tasks. Cost for this assistance is not included in ARC budget.
- (2) for this assistance is not included in ARC budget.
- (3) Dollar amounts may be adjusted throughout the year as they are estimates of what will be spent during the budget year.

Amendments 3/2/17

FC1 Adds SPAC9 RRAC - Facilitation, Habitat & Fish Project, grant total of \$29,985 will be added to ARC budget upon grant award with \$15,000 budgeted in 2017

Draft amendments 6/27/17

- FC2 Scope change - Reallocates \$25,000 with no increase in the overall budget from Wayne County's budget in TC1 to ARC staff to provide GIS info on stormwater outfalls to the Rouge as part of the SAW grant. This will be used as match for SAW
- FC3 Adds OC2 ARC-FOTR Integration task in the amount of \$10,000 from the ARC's unallocated funds.
- FC4 Adds scope to SAW1 with unallocated SAW funds. There is no increase to the overall budget.



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ALLIANCE OF ROUGE COMMUNITIES

2017 BUDGET AMENDMENT Finance Committee Amendment 2

REQUEST DATE: June 16, 2017

LINE ITEM: TC1: Rouge River Macroinvertebrate Monitoring and Outfall Mapping

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: Wayne County has \$25,000 allocated for macroinvertebrate monitoring. This activity is still being completed, but will be paid for using other (non-ARC) funds. The scope of work and funding for the macroinvertebrate monitoring being carried out by FOTR is unchanged.

Based on questions from MDEQ on the Collaborative IDEP Plan, ARC staff needs to pull together GIS information on the stormwater outfalls to the Rouge. This is a required element of the ARC's SAW grant.

DESCRIPTION OF ANTICIPATED ACTIVITIES:

Outfall mapping - ARC staff will collect regulated outfall data from each ARC member in GIS format and create a data layer that contains all outfalls in the watershed. Ideally the provided data will include and identify discharge points and outfalls. If not, ARC staff will use whatever data is available. If smaller communities do not have their data in GIS format, ARC staff will create a data layer based on the site description or hard copy maps. The resulting GIS layer will be shared with ARC members using a web-based format.

RATIONALE (including why needed): The outfall data will be used to support the Collaborative IDEP Plan and is part of the SAW grant scope of work.

BUDGET (including how the amount requested was established): The budget for the outfall mapping is \$25,000. This is based 278 hours of ARC staff time. Since the budget being returned by Wayne County is also \$25,000, there is no net change to the ARC's 2017 budget. All work associated with this amendment will be paid for by ARC dues and used as match for the SAW grant.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: Work will be completed by the ARC Executive Director Staff and the Technical Committee Chair will oversee this task on behalf of the ARC.



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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2017 BUDGET AMENDMENT:
Finance Committee Amendment 3**

REQUEST DATE: June 12, 2017

LINE ITEM: Adding OC2: ARC-FOTR Integration

COMMITTEE MAKING REQUEST: Organization Committee

BACKGROUND: In Spring 2016, the ARC agreed to continue to pursue a merger with Friends of the Rouge (FOTR). Now that FOTR has a new Executive Director in place, the merger is proceeding. The purpose of the merger is to maximum available resources to effectively meet municipal stormwater permitting requirements as well as support ongoing restoration and stewardship of the Rouge River watershed.

It is anticipated that the new organization will be governed by a fifteen (15) member self-perpetuating board of directors sought out to provide diverse representation of watershed stakeholders (residents, government, commercial and industrial entities). Committees would provide additional insight and guidance. The anticipated programs include the following:

Education & Outreach

- Rouge Rescue
- Rouge Education Project
- Native Landscaping Workshops
- Rain Garden Training
- Riparian Corridor Management
- Rouge River Water Trail
- Volunteer Monitoring
- Storm Water Education
- Partnering with state, local, and federal agencies to support efforts to improve the Rouge River and surrounding watershed

Technical Services

- Illicit Discharge Elimination Program
- Storm Water Permit Compliance Support
- Ecosystem Monitoring
- Beneficial Use Impairment (BUI) Removal Coordination and Implementation
- Grant Administration

Philanthropy

- Individual, Corporate, and Community Giving Opportunities
- Fundraising Events and Activities
- Endowment and Planned Giving
- Grant Research and Application

In order for the merger to proceed, a new organization needs to be established. This includes:

- Select Board members
- Choose a legal name,
- Prepare articles of incorporation and bylaws,
- Decide on mission statement,
- Obtain federal and state tax-exempt status (can take up to 12 months),
- Identify and confirm committees (including duties, roles etc.),
- Developing policies,
- Hire staff, and
- Develop a Strategic, Marketing and Fundraising plans.

FOTR has nominated Alice Bailey, Mike Darga, Dave Norwood, Sue Thompson and Laura Wagner to serve on the new Board. And the following ARC representatives are being considered: Brandy Siedlaczek (Southfield), Bob Belair (Canton Twp), Charles Markus (Bloomfield Twp), Karen Mondora (Farmington Hills) and Doug Moore (Livonia).

Under the direction of the new Board, the FOTR Executive Director, Marie McCormick, will lead the integration tasks with support from FOTR staff. However, we anticipate the need for ARC staff involvement.

DESCRIPTION OF ANTICIPATED ACTIVITIES: ARC staff will assist the new Board by reviewing documents that are presented for consideration (mission, bylaws, policies, etc.), providing input on organizational framework (establish under Alliance or Watershed Council legislation), providing financial information, and providing template policies for the new Board to adopt.

RATIONALE (including why needed): These activities are needed in order to ensure MS4 permittee representation while the new organization is being established.

BUDGET (including how the amount requested was established): The estimated total budget for this initiative is \$10,000 through December 31, 2017. It will be paid with available unallocated ARC dues.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The ARC Chair will oversee this task on behalf of the ARC.



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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2017 BUDGET AMENDMENT:
Finance Committee Amendment 4**

REQUEST DATE: June 20, 2017

LINE ITEM: SAW1: SAW grant 5/1/15-12/31/18

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: Due to efficiencies in completing the scope of work, there are currently unallocated funds associated with the SAW grant. These funds are eligible to be used for monitoring and planning activities to support ARC member's permit applications. Based on input from the Technical Committee, the following activities are recommended:

- A. IDEP Methods Review
 - This will support the Collaborative IDEP plan by justifying that the ARC approach is more effective than other traditional approach employed in other SE Michigan communities.
- B. SWPPP Inspections
 - This will support ARC-member Good Housekeeping/Pollution Prevention plans by providing inspections at high priority facilities.
- C. Additional Monitoring Efforts
 - In order to complete the ongoing monitoring efforts, ARC staff have undertaken several additional tasks that were not originally anticipated. Some of these changes were implemented to address MDEQ comments on the Collaborative IDEP plan.
- D. Dissolved oxygen monitoring
 - This will support the removal of 200 stream miles from the impaired waters list which will limit the number of ARC members that need to comply with TMDL requirements for dissolved oxygen impairments.
- E. Bacterial source tracking analysis
 - This will support the investigation efforts under the Collaborative IDEP Plan by providing some indications if *E. coli* sources at certain locations are human in nature.

DESCRIPTION OF ANTICIPATED ACTIVITIES:

- A. IDEP Methods Review

ARC staff will FOIA the MDEQ to obtain the last two stormwater progress reports submitted by Macomb County communities. The progress reports will be reviewed; and the number of identified illicit connections will be tallied and compared to the number found by the ARC during the same timeframe. The resulting data will be summarized in a written memo which may be used in permit negotiations with the MDEQ.

Deliverable: Written Summary of Results

B. SWPPP Inspections

As requested by municipalities, high priority facilities will be inspected as required in stormwater pollution prevention plans. Inspections will be conducted by ARC staff or a subcontractor (i.e.: the community's MS4 consultant). In areas that are found to be inconsistent with the SWPPPs, recommendations for improvement will be provided. The inspection results will be documented for each facility and provided to the owner. For budget purposes, 20 facility inspections are assumed.

Deliverable: Completed Inspection form

C. Additional Monitoring Efforts

ARC staff have been and are conducting the following additional activities associated with the monitoring effort:

- Wayne County Construction Permit for stream gage installation. The Johnson Creek flow monitoring location needed to be reestablished by USGS. Contrary to other flow monitoring sites, equipment was not already installed at this site, so a construction permit needed to be secured from Wayne County since the installation was within Hines Park. Therefore, ARC staff collaborated with Wayne County Permit staff, Parks staff, and USGS to develop and submit the permit application and pay the permit fee. After meetings and several calls, the permit was subsequently granted.
- Supply dissolved oxygen (DO) monitoring equipment to USGS. USGS did not have DO sondes on-hand, as they typically do, and they could not rent the equipment from outside suppliers without going through a lengthy and costly procurement process. Therefore, ARC staff sourced and rented 6 DO sondes so the work could be completed on time. The sondes were provided to USGS for installation and maintenance throughout 2017.
- Communication with MDEQ regarding the DO impairments and potential delisting. ARC staff worked with MDEQ to review existing DO data and the stream segments still on the state's impaired waters list to determine if segments could be removed. This involved reviewing the assessment methodology, securing the data from MDEQ, and mapping the impaired segments, the combined sewer outfalls and sanitary sewer overflow locations. As a result, MDEQ agreed that monitoring at 6 locations would be sufficient to potentially delist 200 miles of the river.
- Stream Discharge Curve Develop. ARC staff are collecting velocity data at 10 sites (see attached map) in order to better analyze the *E. coli* and suspended solids data. Stream profiles were collected at each site and velocity data will be collected over the 20 weeks sampling period. This data will be used to development load and flow duration curves.
- Added Sampling Locations. ARC staff identified 20 additional sampling locations to conduct water quality monitoring (see attached map). This brought the total number of sites to 90. ARC staff will conduct weekly *E. coli* and suspended sediment sampling at each site and analyze the data. These additional sites were added to provide a more complete understanding of the conditions in the watershed and to address some of MDEQ's comments on the Collaborative IDEP Plan.

Deliverable: Data to be included in Final Monitoring report

D. Dissolved oxygen monitoring

ARC have discussed with MDEQ Surface Water Assessment staff the data needed to remove portions of the Rouge River from the impaired waters list for low dissolved oxygen conditions. ARC staff will develop a sampling plan for MDEQ review and approval. ARC staff will secure a

permit/permission to install dissolved oxygen probes at six road crossings. Currently, the following sites are anticipated (see attached map):

1. Main Branch at 7 Mile Road (M15)
2. Ingersol Creek at Meadowbrook Road (MD18)
3. Bell Branch at Inkster Road (U03)
4. Upper Branch at Graham Road (U05)
5. Tonquish Creek at Wayne Road (MD03)
6. Johnson Creek at Napier Road (MD13)

Each of these locations is upstream of uncontrolled combined sewer outfalls as required by MDEQ.

Hourly dissolved oxygen readings will be recorded on a continuous basis at each location for a minimum of 2 months. Monitoring will include a variety of weather conditions (dry and wet) as required by MDEQ. Following the collection period, the probes will be removed and the site restored to previous conditions. The data will be summarized in a report and submitted to MDEQ to determine if the streams can be removed from the impaired waters list due to low dissolved oxygen levels.

Deliverables: Sampling Plan
Written Summary Report

E. Bacterial source tracking analysis

ARC staff will

- Secure a laboratory to provide bacterial source tracking analysis to determine the presence of human DNA in water samples;
- Provide a standard operation procedure (SOP) for sample collection; and
- Analyze up to 60 samples, and
- Assist in interpreting the results.

Samples will be collected and shipped to the lab by Wayne and Oakland county staff. Sample collection will be conducted during dry weather conditions. The results will be summarized by each county. The sample collection and written report will be conducted using other funding sources.

Deliverables: SOP for sample collection
Results to be summarized in county IDEP reports.

RATIONALE (including why needed): These actions will further monitoring and planning activities to support ARC member's permit applications with the goal of minimizing ineffective and unnecessary activities.

BUDGET (including how the amount requested was established): This additional scope uses current budgeted SAW grant funds and therefore does not increase the ARC's 2017 budget. All work associated with this amendment will be paid for 100% by the SAW grant.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: Work will be completed by the ARC Executive Director Staff and the Technical Committee Chair will oversee this task on behalf of the ARC.

Table 1. SAW Budget Amendment Budget Detail

SAW Grant Additional Activities		Task 2 - IDEP IDEP Methods Review		Task 3 - Municipal Facility Pollution Prevention SWPPP Inspections		Task 5 - Ecosystem Monitoring Monitoring Adds (see table 2)		Task 5 - Ecosystem Monitoring DO Monitoring		Task 5 - Ecosystem Monitoring BST Analysis		Totals	
Professional Services	Rates	Hrs	Cost	Hrs	Coat	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
Ridgway	\$200		\$0	4	\$800	16	\$3,200	8	\$1,600		\$0	28	\$5,600
J O'Meara	\$170		\$0	8	\$1,360	26	\$4,420	8	\$1,360	2	\$340	44	\$7,480
DeMaria	\$140	20	\$2,800	20	\$2,800	212	\$29,680	60	\$8,400	8	\$1,120	320	\$44,800
Sr. Staff	\$135		\$0		\$0	0	\$0		\$0		\$0	0	\$0
Bailey	\$110		\$0		\$0	0	\$0		\$0		\$0	0	\$0
Mid Staff	\$100		\$0	124	\$12,400	378	\$37,800	250	\$25,000	8	\$800	760	\$76,000
C O'Meara	\$95		\$0		\$0	24	\$2,280		\$0		\$0	24	\$2,280
Jr. Staff	\$75	60	\$4,500		\$0	648	\$48,600	402	\$30,150		\$0	1110	\$83,250
Administrative	\$65		\$0	20	\$1,300	56	\$3,640	24	\$1,560		\$0	100	\$6,500
Labor Totals		80	\$7,300	176	\$18,660	1360	\$129,620	752	\$68,070	18	\$2,260	2386	\$225,910
Expenses:													
Flow Meter							\$10,000						\$10,000
Equipment Rental for USGS							\$20,000						\$20,000
Analytical lab							\$7,500			\$4,800			\$12,300
Permit Fees							\$1,200						\$1,200
DO Meters							\$0		\$6,500				\$6,500
Travel					\$1,000		\$10,200		\$3,000				\$14,200
Sampling Supplies							\$4,000		\$1,100				\$5,100
Expense Total			\$0		\$1,000		\$52,900		\$10,600		\$4,800		\$69,300
TOTAL COST			\$ 7,300		\$ 19,660		\$ 182,520		\$ 78,670		\$ 7,060		\$295,210
Unallocated													\$409,000
Remain													\$113,790

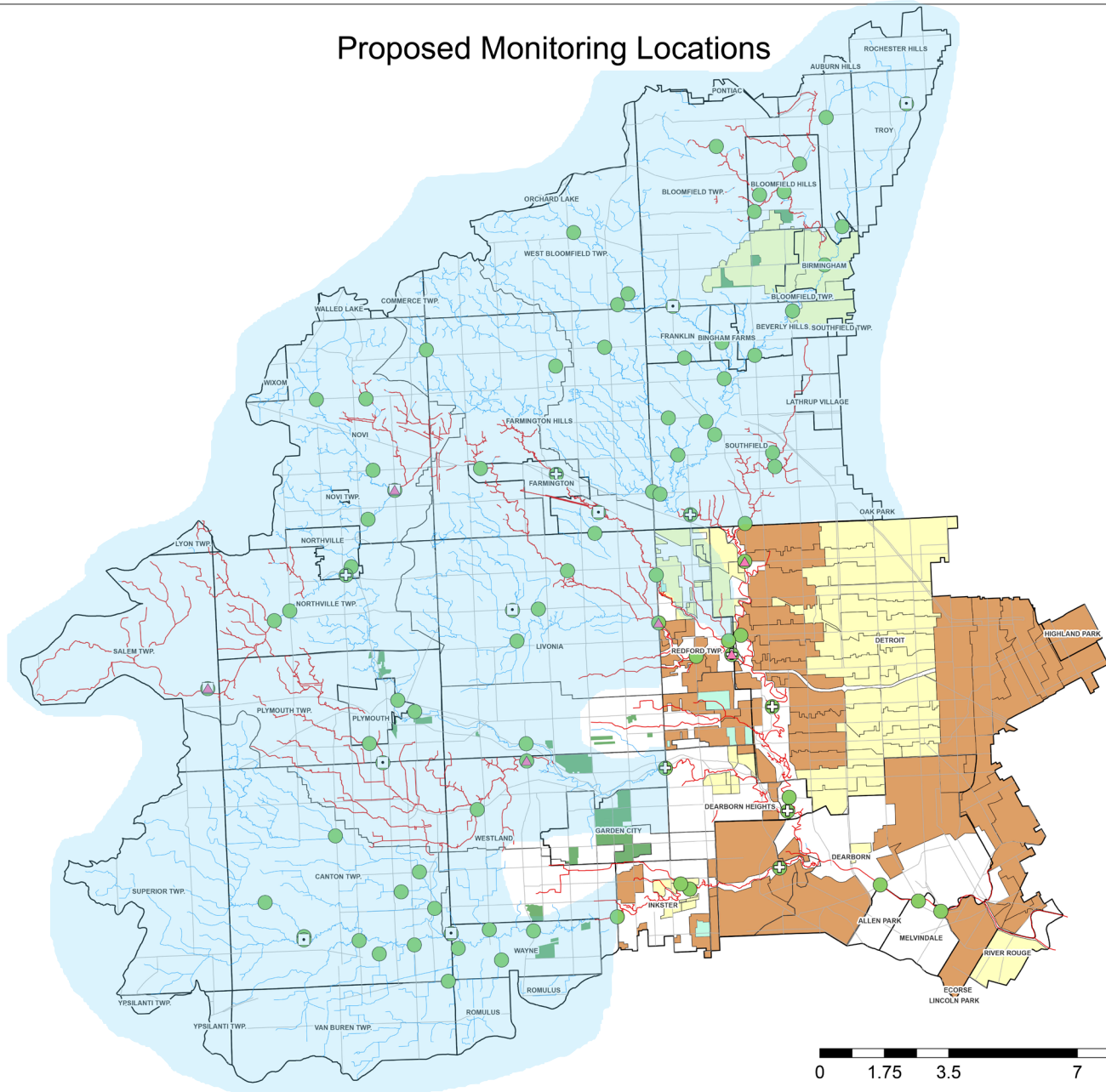
Table 2. Additional Monitoring Efforts Budget Detail

SAW Grant Additional Activities Task 5 - Ecosystem Monitoring Monitoring Adds		Wayne County Construction Permit		USGS Flow Monitoring Equipment		MDEQ DO Discussions and Planning		Flow Monitoring Sites		Additional Sampling Sites (20)		Totals	
Professional Services	Rates	Hrs	Cost	Hrs	Coat	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost
Ridgway	\$200		\$0		\$0		\$0	8	\$1,600	8	\$1,600	16	\$3,200
J O'Meara	\$170	2	\$340		\$0		\$0	8	\$1,360	16	\$2,720	26	\$4,420
DeMaria	\$140	32	\$4,480	20	\$2,800	40	\$5,600	60	\$8,400	60	\$8,400	212	\$29,680
Sr. Staff	\$135		\$0		\$0		\$0		\$0		\$0	0	\$0
Bailey	\$110		\$0		\$0		\$0		\$0		\$0	0	\$0
Mid Staff	\$100		\$0	8	\$800	40	\$4,000	120	\$12,000	210	\$21,000	378	\$37,800
C O'Meara	\$95		\$0		\$0		\$0	8	\$760	16	\$1,520	24	\$2,280
Jr. Staff	\$75	8	\$600		\$0		\$0	320	\$24,000	320	\$24,000	648	\$48,600
Administrative	\$65		\$0		\$0	8	\$520	24	\$1,560	24	\$1,560	56	\$3,640
Labor Totals		42	\$5,420	28	\$3,600	88	\$10,120	548	\$49,680	654	\$60,800	1360	\$129,620
Expenses:													
Flow Meter									\$10,000				\$10,000
Equipment Rental for USGS					\$20,000								\$20,000
Analytical lab										\$7,500			\$7,500
Permit Fees			\$1,200										\$1,200
DO Meters													\$0
Travel			\$100		\$100				\$4,000		\$6,000		\$10,200
Sampling Supplies									\$1,000		\$3,000		\$4,000
Expense Total			\$1,300		\$20,100		\$0		\$15,000		\$16,500		\$52,900
TOTAL COST			\$ 6,720		\$ 23,700		\$ 10,120		\$ 64,680		\$ 77,300		\$182,520

Legend

- ▲ Planned DO Sites
- ◻ Stage / Discharge Sites
- ⊕ Continuous Flow Sites
- E. coli & TSS Sites
- DO Impaired Streams
- Rouge River and Tributaries
- Roads
- ▭ Townships & Cities
- ▭ CSO's Controlled by Basins
- ▭ Uncontrolled CSO Areas
- ▭ CSO Areas Separated
- ▭ Watershed Boundary
- ▭ Potential Area with no DO Impairment

Proposed Monitoring Locations



**Alliance of Rouge Communities
Executive Director Services
Appendix A- Scope of Services for Basic Services for 2017
Amended
Environmental Consulting & Technology, Inc.
January 1, 2017 to December 31, 2017**

The total compensation for the scope of services included in amended Appendix A is increase by \$35,000 to \$160,000. The scope of services is described in the following paragraphs. The amended scope includes ARC/FOTR integration under ED Services at a cost of \$10,000 and Outfall Mapping under TC1 at a cost of \$25,000.

EXECUTIVE DIRECTOR SERVICES - ~~\$90,000~~ \$100,000 (added ARC/FOTR merger)

OC1-ARC MEETINGS, ADMINISTRATION AND COMMUNICATION

Full Alliance Meeting

Staff support will be provided for each meeting, including preparation of the agenda (under the direction of the Chair), distribution of the materials prior to the three (3) full ARC meetings, facilitation of the meetings (including note-taking and tallying of votes at the meeting), and preparation/distribution of meeting summaries to members and other interested parties.

Deliverables:

- Meeting agenda and handouts
- Meeting summary

Executive Committee Meeting

Staff support will be provided for three (3) Executive Committee meetings. Staff support for each meeting will include (under the direction of the ARC Officers), preparation of the agenda, distribution of the materials prior to the meetings, facilitation of the meetings (including note-taking and documenting recommendations considered and actions taken), and meeting summary preparation and distribution.

Deliverables:

- Meeting agenda and handouts
- Meeting summary

Finance Committee Meeting

ECT will work with the Finance Committee to develop and administer the annual budget and work plan. ECT will prepare monthly financial reports and coordinate the annual audit in accordance with ARC bylaws. ECT will attend up to three (3) Finance Committee meetings, including preparation of the agenda, distribution of materials prior to the meetings, and preparation/distribution of meeting summaries to appropriate parties. Ongoing support services for the committee outside of the regular meetings will also be provided.

Deliverables:

- Meeting agenda and handouts

- **Final 2016 budget and amendments (as necessary) for all committees along with supporting documentation**
- **Final 2017 budget recommendations for all committees along with supporting documentation**
- **Final 2017 annual budget**

Technical Committee Meeting

Staff support will be provided for up to two (2) meetings, including preparation of the agenda (under the direction of the Technical Committee Chair), distribution of the materials prior to the meeting, facilitation of the meeting (including note-taking and record of actions taken), and preparation/distribution of the meeting summary to members and other interested parties. Staff support will be provided for developing the 2017 Technical Committee budget.

Deliverables:

- **Meeting agenda, handouts and summary**
- **2017 Technical Committee Budget**

Public Involvement & Education Committee Meeting

Staff support will be provided for up to two (2) meetings, including preparation of the agenda (under the direction of the PIE Committee Chair), distribution of the materials prior to the meeting, facilitation of the meeting (including note-taking and record of actions taken), and preparation/distribution of the meeting summary to members and other interested parties. Staff support will be provided for developing the 2017 PIE Committee budget.

Deliverables:

- **Meeting agenda, handouts and summary**
- **2017 PIE Committee Budget**

In addition to staffing the above meetings, ECT will respond to FOIA requests and meet the Open Meetings Act requirements consistent with the policies developed and adopted by the ARC.

Deliverables (as necessary):

- **Letter responses to requests along with supporting documentation**

Administration

ECT will provide administrative oversight of the ARC day-to-day activities of staff, consultants and contractors, and will foster external relationships with other agencies, organizations, and individuals to meet the goals of the ARC. ECT will also prepare and distribute the 2015 ARC Annual Report reflecting ARC accomplishments. ECT will draft two inter-agency agreements (one for each county), for the IDEP program.

Deliverables:

- **2016 ARC Annual Report**
- **Final vendor and grant contracts as necessary**

Advocate for Rouge River Watershed and Primary Liaison

ECT will promote the ARC as the advocate for the Rouge River Watershed, serve as the primary spokesperson for the ARC, respond to requests for information and seek opportunities to promote ARC awareness. ECT will serve as the ARC primary liaison to all members, including both formal and informal interaction with government officials, legislators and staff on a regular basis.

Deliverables:

- **Copies of letters and presentations advocating the ARC**
- **Summary of meetings with members, government officials, legislators and/or staff**

OC1 - FINANCIAL SERVICES

ECT will provide financial services in accordance with the ARC's Accounting Procedures Manual. ECT will provide necessary staff to meet the separation of financial duties and responsibilities documented in the ARC's Accounting Procedures Manual so that no Executive Director staff member has sole control over cash receipts, bank reconciliations, accounts payable, mail or other accounting functions. ECT will maintain financial records and files as required by the ARC Accounting Procedures Manual including grants and vendor contracts. ECT will coordinate the ARC's taxes, financial statement and A133 audit with the ARC's Accountant and Auditor. In accordance with the ARC's Accounting Procedures Manual ECT will provide and maintain the following:

- Security and access
- Data backup
- Funds received
- Receipt book
- Fund disbursements
- Purchasing
- Consultant/contract services
- Bank accounts
- Travel reimbursement (if necessary)
- Allocation of costs
- Property and inventory control (if necessary)
- Audits
- Taxes and reporting
- Grants and contracts
- Budgets
- Internal and external reporting
- Record retention
- Insurance

Deliverables:

- **Completed A133 Audit, taxes and Financial Statements**

OC1- PURSUING GRANT OPPORTUNITIES

ECT will research and develop up to three (3) grant applications to support ARC activities and initiatives.

Deliverables:

- **Summary report of grants considered and pursued**
- **Final submitted grant applications and budgets**

Add the Following Scope

OC2- ARC-FOTR INTEGRATION

ECT will assist the ARC by reviewing documents that are presented for consideration (mission, bylaws, policies, etc.), providing input on organizational framework (establish under Alliance or Watershed Council legislation), providing financial information, and providing template policies for the new Board to adopt.

TECHNICAL COMMITTEE SERVICES – ~~\$10,500~~ \$35,500 (add \$25,000 for new scope)

TC1 – Rouge River Macroinvertebrate Monitoring and Outfall Mapping

ECT staff will oversee the Macroinvertebrate Monitoring being completed by the FOTR and Wayne County. ECT staff will assist the technical committee in reviewing the final report, providing oversight and technical input and reporting to the ARC.

Add the following Scope:

Outfall mapping - staff will collect regulated outfall data from each ARC member in GIS format and create a data layer that contains all outfalls in the watershed. If smaller communities do not have their data in GIS format, staff will create a data layer based on the site description. The resulting data will be shared with ARC members using a web-based format. The data will be used to support the Collaborative IDEP Plan

TC2 – IDEP FIELD INVESTIGATIONS

ECT will oversee and coordinate Wayne and Oakland County's field investigations in priority areas to further isolate problem areas, identify illicit connections, and take corrective action to remove them. ECT staff will ensure field efforts in each county are occurring in a manner that is most beneficial to the ARC.

ECT staff will assist the Technical Committee in reviewing the scope of work and budget prior to Oakland and Wayne counties expending budget for this task. ECT will draft two inter-agency agreements (one for each county).

ECT staff will occasionally solicit progress reports from both counties for reporting to the Technical Committee. ECT will also provide an update at a full ARC meeting, as deemed appropriate.

ECT will provide staff for two IDEP Investigator Training workshops

PIE COMMITTEE SERVICES - \$29,500

GREEN INFRASTRUCTURE CAMPAIGN

Workshops

ECT will support the presentation by FOTR of the following workshops (up to 4) in 2016:

- Native Landscaping Workshop for Homeowners: The ARC, Wayne County and Friends of the Rouge will present workshops around the Rouge River Watershed that focus on actual residential sites owned by participants and how to design and plant a residential native garden/grow zone. This is a follow-up to a similar successful workshop held in Southfield in 2012 for watershed residents, and the four workshops held in 2013 and 2014.
- Riparian/streambank stabilization, backyard habitat, and/or garden tour experiences: Riparian workshops were conducted in 2015 and were well attended. Some possible workshops that the ARC, Wayne County and Friends of the Rouge will present around the Rouge River watershed include environmentally friendly ways to maintain riparian land, designing backyard habitat and/or garden tour experiences and may include a hands-on element.

Deliverables:

- **Attendance at workshop planning meetings and support at workshops**
- **Workshop handouts**
- **Workshop powerpoint presentation**

PUBLIC EDUCATION MATERIALS

ECT staff will provide management and distribution of materials for up to four (4) public events and provide printing and related graphics support for the seedling packaging and for ECT staff to coordinate distribution of materials at various events. ECT staff will survey ARC members and take orders of PIE materials and mail or deliver the orders.

Deliverable:

- **2016 distribution list of public education materials and seedlings.**

WEBSITE MAINTENANCE

ECT staff will perform regular updates to the ARC website, including adding documents and graphics, editing and review.

Deliverable:

- **Website updates**
- **2016 report of events/activities disseminated on the ARC's website**

IMPLEMENT PUBLIC EDUCATION CAMPAIGNS

ECT staff will work with FOTR to implement the public education campaign that was created in 2015 for up to two (2) topics shown below:

- Design seasonal stewardship posters related to stormwater management.
- Create public education billboards and bus signage (or other item) relating to permit required public education (stormwater management).

Deliverable:

- **Copies of materials developed**

Alliance of Rouge Communities
 ECT-ARC 2013 Contract, Appendix I
 Scope of Services for
 SAW Grant - Stormwater Management Plans, Monitoring & Funding
 Amended
 Environmental Consulting & Technology, Inc.
 May 1, 2015 – ~~December 3~~ **October 1, 2018**

The total compensation for this scope of services *is increased by \$295,210 to \$1,338,949*. The ARC will be reimbursed by SAW for 100% of this cost. All additional scope are presented in bold italics within the document.

The Project:

The ARC is received a SAW grant in late 2015 to support development of member stormwater permit applications, as well as conduct ecosystem monitoring and develop a framework to finance stormwater projects at the local level. *There are currently unallocated funds associated with the SAW grant. These funds are eligible to be used for monitoring and planning activities to support ARC members permit applications. Based on input from the Technical Committee, the following activities are recommended to be added:*

A. IDEP Methods Review

- *This will support the Collaborative IDEP plan by justifying that the ARC approach is more effective than other traditional approach employed in other SE Michigan communities.*

B. SWPPP Inspections

- *This will support ARC-member Good Housekeeping/Pollution Prevention plans by providing inspections at high priority facilities.*

C. Additional Monitoring Efforts

- *In order to complete the ongoing monitoring efforts, staff have undertaken several additional tasks that were not originally anticipated. Some of these changes were implemented to address MDEQ comments on the Collaborative IDEP plan.*

D. Dissolved oxygen monitoring

- *This will support the removal of 200 stream miles from the impaired waters list which will limit the number of ARC members that need to comply with TMDL requirements for dissolved oxygen impairments.*

E. Bacterial source tracking analysis

- *This will support the investigation efforts under the Collaborative IDEP Plan by providing some indications if E. coli sources at certain locations are human in nature.*

The ARC will be 100% reimbursed by the SAW grant for all work associated with the current and amended scope.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The SAW scope of work is composed of 6 tasks:

- Task 1. Public Education Planning
- Task 2. IDEP Planning
- Task 3. Municipal Facility Pollution Prevention/Good Housekeeping Planning
- Task 4. TMDL Planning
- Task 5. Ecosystem Monitoring
- Task 6. Stormwater Funding Framework

Task 1. Public Education Planning

1a. Public Participation Plan

- Develop a procedure for public input on the member stormwater management plans.

1b. Collaborative Public Education Plan

- Complete the plan with an estimate of cost to implement.
- Negotiate as needed with MDEQ to come to consensus on plan content.

1c. Public Attitudes Survey

- Develop and implement a stormwater attitudes and awareness public survey. Results from the survey will be compared to previous surveys to determine the change in the public's attitudes. These results will be summarized in a report and provided to the MDEQ.

Task 2. IDEP Planning

2a. Collaborative IDEP Plan

- Complete the plan with an estimate of cost to implement.
- Negotiate as needed with MDEQ to come to consensus on plan content.

2b. Ordinance Review

- Review each community's existing ordinances to identify compliance with MDEQ's IDEP Ordinance requirements.
- Suggest modifications to existing ordinances as needed and provide to each community.

Add IDEP Methods Review

ARC staff will FOIA the MDEQ to obtain the last two stormwater progress reports submitted by Macomb County communities. The progress reports will be reviewed; and the number of identified illicit connections will be tallied and compared to the number found by the ARC during the same timeframe. The resulting data will be summarized in a written memo which may be used in permit negotiations with the MDEQ.

Task 3. Municipal Facility Pollution Prevention/Good Housekeeping Planning

3a. Municipal Facilities

- Inventory Municipal facilities, prioritize for their potential impact on stormwater, and map stormwater controls on an aerial.
 - Identify high priority facilities and develop a facility pollution prevention plan for each.
- 3b., 3c., and 3d. Storm Sewer System Maintenance
- Develop common and individual community SOPs for system maintenance.
 - Prioritize street sweeping and catch basins and other controls for maintenance on a community basis.
 - Review and update the Greater Lansing Area BMP manual to ensure applicability to ARC members.
- 3e. Assessment
- Develop consensus measurable goals and methods to assess effectiveness of the GH/P2 efforts.
- 3f. GH/P2 Training
- Develop a procedure for training municipal employees on GH/P2 and IDEP topics. The procedure will include a schedule and available training mechanisms.
- 3g. Contractor Requirements
- Identify what communities are currently using.
 - Develop a one or more procedures for notifying contractors of the municipality's GH/P2 procedures and providing oversight to ensure these procedures are followed.
- 3h. Construction Runoff SOPs
- Develop permittee-specific standard operating procedures (SOPs) for managing stormwater from construction sites.

Add SWPPP Inspections

As requested by municipalities, high priority facilities will be inspected as required in stormwater pollution prevention plans. Inspections will be conducted by ARC staff or a subcontractor (i.e.: the community's MS4 consultant). In areas that are found to be inconsistent with the SWPPPs, recommendations for improvement will be provided. The inspection results will be documented for each facility and provided to the owner. For budget purposes, 20 facility inspections are assumed.

Task 4. TMDL Implementation Plan

- Develop a collaborative TMDL plan.
- Negotiate as needed with MDEQ to come to consensus on plan content.

Task 4.1 Stormwater Management Plan Compilation

The permittee-specific and collaborative items from Tasks 1 – 4 above, along with the permittees' approach to the post-construction stormwater management ordinance requirements, make up their stormwater permit application and Stormwater Management Plan. The ED will compile all documents into a Stormwater Management Plan for each member in preparation for submission to the MDEQ by April 1, 2016. The scope of work also includes meetings with the Technical and PIE committees, the individual member communities, MDEQ, and other stakeholders as deemed necessary

to complete the tasks. Project and grant administration is also included in this scope of work.

Task 5. Ecosystem Monitoring

- Develop a sustainable monitoring plan that is expected to include Flow Monitoring, Dissolved Oxygen Monitoring, Macroinvertebrate Monitoring, and grab samples for E. coli, total suspended solids, and phosphorus. Grab sample collection may be completed with volunteers to minimize costs and support public education efforts.
- Draft and enter into agreements with subcontractors (laboratory) and partners (USGS, FOTR).
- Conduct monitoring.
- Analyze data.
- Prepare multiple technical reports and one summary report.

Add the Following:

A. Additional monitoring activities being performed

ARC staff have been and are conducting the following additional activities associated with the SAW monitoring task:

- *Wayne County Construction Permit for stream gage installation. One of the locations required permitting by Wayne County. Therefore, staff collaborated with Wayne County and USGS to develop the permit application package and permit fee.*
- *Supply flow monitoring equipment to USGS. Flow monitoring equipment was rented for USGS in order to meet monitoring needs and deadlines.*
- *Communication with MDEQ regarding the DO impairments and potential delisting. Staff worked with MDEQ to review existing data to assist in the potential delisting of segments of the Rouge River*
- *Staff have added flow monitoring at 10 sites over the 20 weeks to help with flow duration curve development.*
- *Staff will be sampling at 90 sites instead of 70 sites originally proposed in order to refine and provide better rationale to MDEQ on the Collaborative IDEP Plan.*

B. Dissolved oxygen monitoring

ARC staff has discussed with MDEQ Surface Water Assessment staff the data needed to remove portions of the Rouge River from the impaired waters list for low dissolved oxygen conditions. ARC staff will develop a sampling plan for MDEQ review and approval. ARC staff will secure a permit/permission to install dissolved oxygen probes at six road crossings. Currently, the following sites are anticipated:

1. *Main Branch at 7 Mile Road (M15)*
2. *Ingersol Creek at Meadowbrook Road (MD18)*
3. *Bell Branch at Inkster Road (U03)*
4. *Upper Branch at Graham Road (U05)*
5. *Tonquish Creek at Wayne Road (MD03)*

6. Johnson Creek at Napier Road (MD13)

Each of these locations is upstream of uncontrolled combined sewer outfalls as required by MDEQ.

Hourly dissolved oxygen readings will be recorded on a continuous basis at each location for a minimum of 2 months. Monitoring will include a variety of weather conditions (dry and wet) as required by MDEQ. Following the collection period, the probes will be removed and the site restored to previous conditions. The data will be summarized in a report and submitted to MDEQ to determine if the streams can be removed from the impaired waters list for due to low dissolved oxygen levels.

C. Bacterial source tracking analysis

ARC staff will

- *Secure a laboratory to provide bacterial source tracking analysis to determine the presence of human DNA in water samples;*
- *Provide a standard operation procedure for sample collection; and*
- *Analyze up to 60 samples, and*
- *Assist in interpreting the results.*

Samples will be collected and shipped to the lab by Wayne and Oakland county staff. Sample collection will be conducted during dry weather conditions. The results will be summarized by each county. The sample collection and written report will be conducted using other funding sources.

Task 6. Stormwater Funding Framework

In lieu of working with the Alliance of Downriver Watersheds (who were not awarded a SAW grant), the ARC will build upon efforts being led by the Oakland County Water Resources Commissioners Office who is seeking legislative relief for communities to implement stormwater utilities. Based on their progress, the ED will

- (6a) Identify members who are interested in pursuing a stormwater utility. For two or three of these members, we will
 - (6b) Analyze land cover data sets.
 - (6c) Identify revenue potential and top rate payers for the communities.
 - (6d) Develop a public outreach framework.
 - (6e) Obtain legal advice.
 - (6f) Prepare funding recommendations.

Deliverables:

- Collaborative PPP
- Collaborative PEP
- Public Attitude Survey Report
- Collaborative IDEP
- Permittee-specific Assessment of IDEP-related Codes/Ordinances
- Suggested language to modify existing ordinances (permittee-specific)

- Stormwater Outfall Map
- Permittee-Specific Municipal Facility Pollution Prevention Plans
- Permittee-Specific Catch Basin Prioritization Maps
- Permittee-Specific Street Sweeping Prioritization Maps
- GH/P2 SOPs
- Employee Training Plan
- Contractor GH/P2 Awareness and Oversight Procedures (permittee-specific)
- Collaborative TMDL Implementation Plan
- Monitoring Reports (technical reports and one summary report)
- Stormwater funding framework for two or three communities including a public outreach plan.
- Quarterly status reports



2018 ARC Budget Preparation Schedule*

6/27/17	Finance Committee to approve 2018 Budget Preparation Schedule
6/28/17	Treasurer to distribute 2018 Budget Preparation Schedule
7/12/17	Executive Committee review 2018 Budget Preparation Schedule
7/13/17	Treasurer to request ECT's cost proposal for Executive Director Services to the Finance Committee by 8/31/17
7/13/17	Treasurer to request budget submittals from ARC Committees to the Finance Committee by 9/15/17
Week of 9/11/17	Organization Committee review ECT cost proposal
Week of 9/18/17	Finance Committee to receive budget proposals from ARC Committees
Week of 10/2/17	Finance Committee meeting to review draft budget information, finalize budget proposals and formulate recommendations to the Executive Committee
Week of 10/9/17	Executive Committee meeting to review the proposed budget
Week of 11/6/17	Full Alliance Meeting to adopt the 2018 ARC budget

****Above dates are estimates and may change - final meeting date notices will be sent out***