



James W. Ridgway, P.E.  
Executive Director

**DRAFT AGENDA**  
Wednesday, August 26, 2015 1:00 – 3:00 p.m.  
Room 119, U of M-Dearborn EIC, 4901 Evergreen Rd., Dearborn

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 Community 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  
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

<b>1. Welcome</b> –Jill Rickard, Vice-Chair	<b>Information</b>	<b>Page</b>
a. Roll Call/Determination of Quorum		
b. Introductions of ARC guests		
c. Additions or changes to the Draft Meeting Agenda		
d. Approval of May 13, 2015 Meeting Summary	<b>Action</b>	<b>2</b>
e. Fishing the Rouge River signs	<b>Information</b>	<b>15</b>
Michelle Bruneau, MA, Project Manager & Health Educator Michigan Department of Health & Human Services		
<b>2. Executive Director Report</b> – ARC Staff		
a. Status of the FOTR/ARC Merger Investigation – A. DeMaria	<b>Information</b>	
b. Grant Status Report/Henry Ford Estate Dam – J. O’Meara	<b>Information</b>	<b>17</b>
c. MS4 Permit Update – J. Ridgway	<b>Information</b>	
<b>3. Treasurers/Finance Committee Report</b> – Bob Belair, Treasurer		
a. 2015 Member Dues	<b>Information</b>	
b. 2015 A/R and A/P Reports	<b>Information</b>	<b>18</b>
c. 2015 ARC Budget Amendments		
i. Finance Committee FC4: NOAA3 Henry Ford Estate Dam Fish Passage and Habitat Restoration Design ( <b>upon grant award</b> )	<b>Action</b>	<b>22</b>
d. 2013 ECT Contract		
i. Appendix J – NOAA HFE Dam Amendment ( <b>upon grant award</b> )	<b>Action</b>	<b>25</b>
ii. ECT Contract Extension	<b>Action</b>	<b>30</b>
<b>4. Standing Committee Reports</b> – Jill Rickard		
a. Organization Committee Progress Report (K. Cave, Chair)	<b>Information</b>	
b. PIE Committee Progress Report (C. Markus, Chair)	<b>Information</b>	
c. Technical Committee Progress Report (K. Mondora, Chair)	<b>Information</b>	
<b>5. Report from Cooperating Partners</b> – Jill Rickard	<b>Information</b>	
<b>6. Report from Counties</b> – Jill Rickard	<b>Information</b>	
<b>7. Report from MDEQ</b> – Jill Rickard	<b>Information</b>	
<b>8. Opportunity for Public Comment</b> – Jill Rickard		
<b>9. Summary of Actions of Full Alliance</b> – Chris O’Meara	<b>Information</b>	
<b>10. Other Business</b>		
<b>11. Adjourn</b>	<b>Action</b>	

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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  
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

**DRAFT MEETING SUMMARY**  
**ALLIANCE OF ROUGE COMMUNITIES**  
**May 13, 2015, 1:30 p.m. – 3:30 p.m.**  
**Rochester Hills Museum at Van Hoosen Farms**

**1. Welcome** (Brandy Siedlaczek, Chair)

**a. Roll Call /Determination of Quorum** - Roll call was taken. The 21 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	Novi	Y
Beverly Hills	Y	Oakland County	Y
Bingham Farms	Y	Oak Park	N
Birmingham	Y	Orchard Lake	Y
Bloomfield Hills	Y	Plymouth	N
Bloomfield Twp.	Y	Plymouth Twp.	N
Canton Twp.	Y	Redford Twp.	N
Commerce Twp.	Y	Rochester Hills	Y
Dearborn Heights	N	Romulus	N
Farmington	N	Southfield	Y
Farmington Hills	Y	Troy	N
Franklin	Y	University of Michigan-Dearborn	N
Garden City	Y	Van Buren Twp.	N
Henry Ford Community College	N	Walled Lake	N
Inkster	Y	Washtenaw County	Y
Lathrup Village	N	Wayne	Y
Livonia	Y	Wayne County	Y
Melvindale	N	Wayne County Airport Authority	N
Northville	N	Westland	N
Northville Twp.	N	Wixom	N

**b. Introduction of ARC guests**

Brandy Siedlaczek, Chair, 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 10, 2014 Meeting Summary**

The motion was made by Shawn Keenan, Auburn Hills, to approve the November 10, 2014 meeting summary. It was seconded by Charles Markus, Bloomfield Twp., and passed unanimously.

## **2. Executive Director Report**

### **a. Grant Status Report**

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

### **ONGOING GRANTS**

#### **NOAA Habitat Restoration Grant – Oxbow Phase III Design**

Grant is complete. The MDEQ permit was received and the final report developed and submitted.

#### **Emerald Ash Borer U.S. Forestry/GLRI 2011**

Complete, final report accepted.

#### **2014 Area of Concern/Public Advisory Committee Grant**

ARC staff and Wayne County staff are in the final stages of completing a list of projects needed to remove the Habitat Beneficial Use Impairments. Currently, there are 20 projects totaling \$20 Million. A few more projects will be added. Project descriptions need to be submitted by May 29<sup>th</sup> for potential inclusion on the list. Once finalized, the list and descriptions will be provided to MDEQ and EPA to aid with prioritizing funding in the Great Lakes.

#### **HOW Federal Grant Writing (Freshwater Futures)**

Grant is complete. ARC needs to notify HOW on the outcome of the NOAA Oxbow grant submitted when notified.

#### **FOTR-ARC Merger Investigation**

FOTR was awarded a grant from the Erb Family Foundation in the amount of \$110,000 to explore merging with the ARC. This award was \$35,000 less than the request. The ARC is a partner on this project and is receiving \$23,560 from the grant. The goal of this exploratory action is to determine and implement the necessary steps to either a) merge FOTR and ARC into a new nonprofit organization or b) merge services in a manner that will serve both the local municipalities and watershed residents on the matters of storm water permit compliance, watershed restoration, environmental education, and public outreach. A Reorganization Investigation Committee (RIC) was formed by members of the ARC and FOTR and three meetings have taken place.

#### **Collaborative Invasive Species Control in Rouge and Detroit River AOC**

Wayne County was awarded an EPA for a grant in the amount of \$634,736 to establish and begin implementing an effective management program to address invasive species in the Rouge River and Detroit River Areas of Concern. Containment, eradication, control and mitigation will occur at priority locations. Multi-species assessment and mapping of invasive species will be performed, prioritization tools and criteria used and action taken to control invasive species. Wayne County is currently developing the QAPP and IAAs with the ARC and other partners.

## **OUTSTANDING GRANT APPLICATIONS**

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

The ARC is on track to receive SAW funding in October 2015. The grant totaled \$1,741,667 plus \$358,333 in match. About 27% of the match has already been earned or is in the 2014 budget. The grant covers collaborative plan development and ecosystem monitoring to support to reapplication of the MS4 permits. More specifically, the grant covers:

- Development of a collaborative Public participation plan,
- Development of a collaborative Public education plan,
- Development and implementation of a public attitudes survey,
- Development of a collaborative illicit discharge elimination plan,
- Community specific ordinance review for compliance with the IDEP Ordinance requirements,
- Development of a collaborative total maximum daily load plan,
- Ecosystem monitoring including water quality (dissolved oxygen, E. coli, phosphorus and sediment), macroinvertebrates, and flow,
- Site-specific standard operating procedures (SOPs) development for municipal facilities that impact stormwater quality, and
- Development of a stormwater funding framework in collaboration with the Alliance of Downriver Watersheds.

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

The ARC submitted a design grant to NOAA in February 2015 and anticipates hearing on potential funding in June 2015.

### **NOAA GLRI Habitat Restoration: Oxbow Implementation**

The ARC submitted a construction grant to NOAA in February 2015 and anticipates hearing on potential funding in June 2015. This project would implement the designs developed under the NOAA design grant.

### **US Forestry Service 2014 Tree Grant**

The ARC received award of a \$100,000 grant from the US Forestry Service to purchase and plant an estimated 680 trees. No match is required. ARC Staff are in the process of starrup the grant with IAA for interested communities. The following eleven (11) members expressed interest in participating in this grant (no specific trees numbers designated): Wayne County, Bingham Farms, Bloomfield Twp., Canton, Farmington Hills, Inkster, Livonia, Oak Park, Plymouth, Plymouth Twp., and Southfield. ARC staff will email members to verify that there are no other communities interested in participating in the grant.

## **OTHER GRANTS WITH ARC INVOLVEMENT, BUT LEAD BY OTHERS**

### **Collaborative GI Retrofits in the Watershed**

Wayne County was not awarded this grant to construct green infrastructure best management practices at over 60 project sites within the Rouge River watershed.

**b. USFS 2014 Grant Administration Process**

John O'Meara reviewed the process developed for the second forest service grant that the ARC received. 15 members expressed interest in receiving trees through the grant. If other communities would like trees, they need to inform ARC staff by June 5, 2015. Communities will be polled as to how many trees they would like. ARC staff will attempt to fill all requests, otherwise, the 680 trees will be divided amongst the communities showing interest.

The process for this Tree Grant will be as follows:

- The ARC member will enter into IAA with ARC for a specified number of trees.
- Trees selected should be native to the Michigan region. A list of the communities' selected tree types shall be submitted to ARC staff for approval prior to purchase.
- Trees are to be 1.5-2.5" caliper for native deciduous trees and 6'-8' B&B tall for Evergreens
- Trees must have at least a one year warranty.
- A community will be reimbursed for each tree at \$125/tree. Example: total community trees 10 x \$125= \$1,250 reimbursed.
- Trees can be purchased and installed on ARC Member's own schedule.
- The ARC member will select, order, plant, and care the trees. Community will also be required to locate trees, provide a GIS map of tree locations and provide a short one page summary of their tree "project" to the ARC. The summary shall include the total number and type of trees actually planted. Community can either use their own contactor or contract for the services.
- All member work needs to be completed no later than June 30, 2016.
- The ARC member will be reimbursed by the ARC 50% of their contract amount upon delivery of trees and the remaining amount upon the ARC's confirmation of the tree installations based on the provided map.
- ARC staff will spot check maps, provide grant coordination, and prepare the final report to the US Forestry Service.

The process is simple, straight forward and will eliminate the confusion that developed under the last tree grant. Members will sign up for a certain amount of trees, know how much money they will get, handle the work themselves (hopefully with their existing nursery contractors), turn in a map/one page summary and be done.

**c. Status of the FOTR/ARC Merger Investigation**

Jim Ridgway, ARC Staff, gave a brief overview of the progress of the merger investigations. He stated that ARC members have expressed that permit activities are a very important aspect if a new organization is considered. The merger group is looking at a new business model along with what the new board would look like. The merger investigation will be looking for substantial input by members as it moves forward. He stated that the group would come to the ARC asking for direction by the end of 2015.

**d. MS4 Permit and SAW Grant Funding**

Jim Ridgway, ARC Staff, reviewed some of the ongoing activities in regards to the MS4 Permit. He stated that recently the judge asked that the MDEQ "work something out" and that the MDEQ reluctantly agreed. He anticipates that discussions, including the

participation by Oakland County Water Resources Commissioner's Office and other members, may continue with the contested case. Some communities continue to argue that the permit violates the Headlee Amendment and that you can't raise taxes without a vote. Some communities contend that Headlee takes precedent over a state mandated order or a federal requirement. Karen Mondora, Farmington Hills, requested that members let her know if your community was planning to continue the contested case or not.

### **3. Treasurers/Finance Committee Report (Bob Belair, Treasurer)**

#### **a. 2015 Member Dues**

Bob Belair, Treasurer, reported that the all ARC dues invoices have been sent out and we are receiving payments from members.

#### **b. A/R and A/P Reports**

Bob Belair, Treasurer, reviewed the accounts receivable and accounts payables reports.

#### **c. 2015 Budget Amendments**

##### **FC1 - FOTR/ARC Merger**

Annette DeMaria reviewed the budget amendment FC1 which adds \$23,560 in grant funds which Friends of the Rouge received from the ERB Family Foundation and Community Foundation for Southeast Michigan to investigate the reorganization of FOTR and the ARC. ARC officers and staff will participate in meetings and assist FOTR in the recommendation and approval for or against merging services based on mission alignment and the results of facilitated process. A merger committee will work with a third-party consultant to explore the options via facilitated meetings over the course of approximately six months. If merger is approved, this outcome will also include identification of programs, organizational structure (i.e. board and staff), staffing needs of new organization, and funding sources.

##### **FC2 – SAW Grant (Pending Grant Award)**

Annette DeMaria reviewed amendment FC2. The ARC is expected to receive 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. Twenty-nine ARC members need to reapply for stormwater permit coverage by April 1, 2016. An additional nine members have already applied for permit coverage because their primary watershed is outside of the Rouge River. Given the time it will take to complete the permit applications, the ED proposes to begin development of ARC members' stormwater permit applications in May 2015. Given that the ARC is not yet in contract with MDEQ, this work will be done by the responsible parties (ECT, Wayne County and FOTR) at the risk of non-payment if the grant funding does not come to fruition.

The ecosystem monitoring and financing framework tasks will also assist members with permit compliance. The monitoring data will be used to 1) direct IDEP efforts, and 2) demonstrate effectiveness of permit activities. The financing task will set up communities so they can pursue a stormwater utility to funding permit-required activities.

Annette informed the ARC that Tasks 1-4 will be started now and Tasks 5-6 will be done next year.

### **FC3 – Wayne County GL Invasive Species Collaboration**

John O'Meara, ARC Staff, informed the Full ARC that Wayne County received an EPA GLRI Grant for invasive species control. The Alliance of Rouge Communities (ARC) was a partner entity in the grant application. The ARC will participate as a member of a Project Coordination Committee (PCC) with a total award of \$20,165. The ARC will review and provide comment and/or content as required. The ARC will provide the training materials, based on guidance from the PCC, for training of SCA student workers, volunteers, and local community staff this effort. ARC staff will hold two training sessions in the field to orient volunteers and SCA personnel on how to identify the invasive species. The ARC will be responsible for reporting project activities on a quarterly basis to Wayne County for inclusion in Wayne County's Great Lake Accountability System (GLAS) reporting. Through the ARC's public education and technical committees information regarding project status as well as ISC information disseminated to ARC members and made available to the general public. The ARC will assist Wayne County with the content for the webpages and presenting the project outcomes to the Public Education Committee and the Full ARC membership.

The motion was made by Kathryn Hagaman, Bingham Farms, to approve the 2015 budget amendments FC1, FC2 as presented by the Finance Committee. The motion was seconded by Shawn Keenan, Auburn Hills, and passed unanimously.

#### **d. 2013 ECT Contract Amendment**

Bob Belair, Treasurer, reviewed the ECT Contract Amendments that would add Appendix H - FOTR/ARC Merger (total compensation is \$23,560), Appendix G - SAW Grant (total compensation is \$1,043,739) upon grant award and Appendix I - Wayne County Great Lakes Invasive Species Collaboration (total compensation is \$20,165) projects to the contract.

The motion was made by Tim Faas, Canton Twp., to approve the 2013 ECT Contract Amendments adding Appendix G, Appendix H and Appendix I as presented by the Finance Committee. The motion was seconded by Gary Mekjian, Farmington Hills, and passed unanimously.

#### **e. ECT Contract Rates**

John O'Meara reviewed the proposed rate revisions to ECT's 2013 Contract for future work (i.e. work not currently under existing Contract). ECT proposes to replace the current cost plus fixed fee contract with a standard rate schedule (unless a specific future fiduciary requires a cost plus fixed fee). The basis for the request are: 1) the federally funded Rouge Project no longer provides funding for the ARC and therefore the (costly) requirements are no longer required, and; 2) ECT's overhead rate used in the existing contract is over 10 years old, and; 3) a rate schedule is simpler and is used in the vast majority of our industrial and municipal clients.

The motion was made by Charles Markus, Bloomfield Twp., to approve the revised ECT 2013 contract rates as presented by the Finance Committee. The motion was seconded by Gary Mekjian, Farmington Hills, and passed unanimously.

**f. 2016 Budget Preparation Schedule**

Bob Belair, Treasurer, reviewed the 2016 Budget Preparation Schedule and informed the members that the Finance Committee expects to receive the 2016 Budget Recommendations in early September.

**4. Standing Committee Reports**

**a. Organization Committee** (Kelly Cave, Chair)

Noel Mullett, Wayne County, reported on behalf of Kelly Cave that the Organization Committee has not met in 2015.

**b. PIE Committee**

Charles Markus, PIE Committee Chair, reported that the PIE committee has not met in 2015 but anticipate working with FOTR on upcoming workshops and surveying members on some new public education pieces before the end of the year.

**c. Technical Committee** (Karen Mondora, Chair)

Karen Mondora, Farmington Hills, reported that the Technical Committee is working with some members to address concerns with the MS4 permit, specifically item 7-mapping, 10-discharge point 5-year sampling, 18-IDEP, 36-post construction runoff, 87 & 88-TMDLs and 59-BMP tracking. Heather Rice, Washtenaw County, added item 36-infiltration. The possibility of having to renegotiate every time was discussed and that fact that they could be decided on a case-by-case basis.

**5. Report from Cooperating Partners**

Friends of the Rouge

Aimee LaLonde-Norman, FOTR, informed the Full ARC that Rouge Rescue is scheduled for May 30. The Winter Stonefly Search was held on Valentine's Day and was attended by 180 volunteers. The Spring Bug Hunt was held in April with 130 volunteers. Upcoming fundraisers include a kayak raffle and the Rouge Brew Cruise.

Rouge River Advisory Council

Bill Craig stated that the RRAC continues to work on the habitat project list for the Rouge River AOC. This includes projects that can be accomplished and are feasible within the Rouge Watershed. He said the main channel of the Rouge will take many years to improve, however the lower old channel by Zugg Island is showing that progress is being made. EPA is very dedicated to this areas and once this is improved then they can focus on the main channel.

**6. Report from Counties**

Wayne, Oakland and Washtenaw had no items to add.

**7. Opportunity for Public Comment**

Andrew Bahrou, MDEQ, encouraged members to become part of the MS4 implementation team committee where they can use this forum to address some of your concerns. He also offered to meet individually with the ARC to discuss their specific concerns. He encourage communities to prioritize their efforts and to focus on what is most important to each community. He also stated that he is available to assist with planning the SAW activities.

Tim Faas, Canton, added that they will be hosting a meeting on June 4 regarding the permit and to contact his office if you would like to attend.

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

- The November 10, 2014 meeting summary was approved.
- The 2015 Budget Amendment adding the FOTR/ARC Merger, SAW Grant and the Wayne County GL Invasive species Collaboration was approved.
- The 2013 ECT ED Services Contract Amendment to add the FOTR/ARC Merger, SAW Grant and the Wayne County GL Invasive species Collaboration was approved.
- The 2015 ECT Contract rates were approved.

**9. Upcoming Meeting Schedule** (C. O'Meara)

None scheduled at this time.

**10. Other Business**

There was no other business.

**11. Adjourn**

The motion was made by Shawn Keenan, Auburn Hills, to adjourn the meeting. The motion was seconded by Tim Faas, Canton, and passed unanimously.

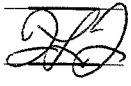

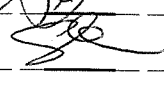
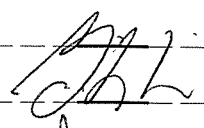
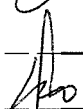
# Alliance of Rouge Communities Attendance List

Meeting Date: 5/13/15

Name		Community	Attended	Initials
		Wixom	<input type="checkbox"/>	
		Redford Township	<input type="checkbox"/>	
			<input type="checkbox"/>	
Appel	Lisa	Cranbrook Institute of Science	<input type="checkbox"/>	
Ballnik	Dan	RRAC	<input type="checkbox"/>	
Baumgarten	Matt	Lathrup Village	<input type="checkbox"/>	
Belair	Bob	Canton Township	<input checked="" type="checkbox"/>	RAB
Bivins	Jerome	Inkster	<input checked="" type="checkbox"/>	UJB
Boc	Keith	Romulus	<input type="checkbox"/>	
Borton	Cory	<del>HRC</del> Birmingham	<input checked="" type="checkbox"/>	CB
Borton	Cory	Village of Beverly Hills	<input type="checkbox"/>	
<del>Borton</del> Hanna	<del>Cory</del> Scuzzan	Bloomfield Hills	<input checked="" type="checkbox"/>	S.H.
Bradley	Cassie	Friends of the Rouge	<input type="checkbox"/>	
Browning	Rick	Melvindale	<input type="checkbox"/>	
Buiten	Mike	Wayne	<input checked="" type="checkbox"/>	VMB
Byrd	Jim	Wixom	<input type="checkbox"/>	
Casari	Tom	Northville Township	<input type="checkbox"/>	
Cave	Kelly	WCDPS	<input type="checkbox"/>	
Craig	Bill	RRAC	<input checked="" type="checkbox"/>	WAC
Cravens	Jay	Bloomfield Hills	<input type="checkbox"/>	
Creech	James	Village of Franklin	<input checked="" type="checkbox"/>	JFC
Davis	Paul	Rochester Hills	<input checked="" type="checkbox"/>	PMD
Dean	Lillian	SOCWA	<input type="checkbox"/>	
DeMaria	Annette	ECT	<input type="checkbox"/>	
Domine	Wayne	Bloomfield Township	<input type="checkbox"/>	
Douville	Jeff	Bingham Farms	<input type="checkbox"/>	

Meeting Date:

5/13/15

Name	Community	Attended	Initials
Drabczyk Laura	University of Michigan-Dearborn	<input type="checkbox"/>	
El-Gharib Ramzi	Wayne	<input type="checkbox"/>	
Eudy Chuck	Farmington	<input type="checkbox"/>	
Faas Tim	Canton Township	<input checked="" type="checkbox"/>	TF
Fellrath Patrick	Plymouth Township	<input type="checkbox"/>	
Fortura Rocco	Oak Park	<input type="checkbox"/>	
Fuller Fred	Orchard Lake Village	<input checked="" type="checkbox"/>	
Gallogly James	Northville	<input type="checkbox"/>	
Garrison Jacy	Oakland County	<input type="checkbox"/>	
Greco Sam	Henry Ford Community College	<input type="checkbox"/>	
Hagaman Kathryn	Bingham Farms	<input checked="" type="checkbox"/>	KPH
Hammond Bruce	Melvindale	<input type="checkbox"/>	
Hanna Karen	Friends of the Rouge	<input type="checkbox"/>	
James Jay	Commerce Township	<input checked="" type="checkbox"/>	
Keenan Shawn	Auburn Hills	<input checked="" type="checkbox"/>	
Kramarz Kristina	Dearborn Heights	<input type="checkbox"/>	
LaLonde-Norman Aimee	FOTR	<input checked="" type="checkbox"/>	AN
Leach Josh	Farmington	<input type="checkbox"/>	
MacDonell Matt	Washtenaw County Road Commis	<input type="checkbox"/>	
Markus Charles	Bloomfield Twp.	<input checked="" type="checkbox"/>	car of C. Markus
Marshall Ellen	SOCWA	<input type="checkbox"/>	
McCallum Gerry	Orchard Lake Village	<input type="checkbox"/>	
McCusker Benny	Westland	<input type="checkbox"/>	
McGill Lisa	Walled Lake	<input type="checkbox"/>	
Mekjian Gary	Farmington Hills	<input checked="" type="checkbox"/>	
Melchert Ron	Auburn Hills	<input type="checkbox"/>	
Meszler Tom	Village of Beverly Hills	<input checked="" type="checkbox"/>	

Meeting Date: 5/13/15

<i>Name</i>		<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Mondora	Karen	Farmington Hills	<input type="checkbox"/>	
Muery	Robert	Garden City	<input type="checkbox"/>	
Mullett	Noel	WCDPS	<input checked="" type="checkbox"/>	NLMJ
Nash	Jim	Oakland County	<input type="checkbox"/>	
Olsztyn	Olivia	Bloomfield Township	<input type="checkbox"/>	
O'Meara	Paul	Birmingham	<input type="checkbox"/>	
O'Meara	John	ECT	<input checked="" type="checkbox"/>	JME
Paletko	Dan	Dearborn Heights	<input type="checkbox"/>	
Petrella	Sally	FOTR	<input type="checkbox"/>	
Pollizzi	Tim	Rochester Hills	<input checked="" type="checkbox"/>	
Porman	Chris	Plymouth	<input type="checkbox"/>	
Pratt	Evan	Washtenaw County Water Resour	<input type="checkbox"/>	
Price	Meghan	ECT	<input type="checkbox"/>	
Putala	Vicki	Farmington	<input type="checkbox"/>	
Radtke	Jana	Plymouth Township	<input type="checkbox"/>	
Rice	Heather	Washtenaw County Water Resour	<input checked="" type="checkbox"/>	HR
Rickard	Jill	Northville Township	<input type="checkbox"/>	
Ridgway	Jim	ECT	<input checked="" type="checkbox"/>	
Rohraff	Don	Livonia	<input checked="" type="checkbox"/>	DR
Roney	Kevin	Garden City	<input checked="" type="checkbox"/>	KR
Ross	Cyndi	FOTR	<input type="checkbox"/>	
Scappaticci	Roberto	Romulus	<input type="checkbox"/>	
Schultz	Leigh	Southfield	<input type="checkbox"/>	
Selmi	John	Redford Township	<input type="checkbox"/>	
Siddall	Sheryl	Washtenaw County Road Commis	<input type="checkbox"/>	
Siedlaczek	Brandy	Southfield	<input checked="" type="checkbox"/>	BS
Sincock	Paul	Plymouth	<input type="checkbox"/>	

Meeting Date: 5/13/15

<i>Name</i>		<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Smrtka	Barb	Farmington Hills	<input type="checkbox"/>	
Snapp	Robert	Cranbrook	<input type="checkbox"/>	
St. Henry	Paul	Livonia	<input type="checkbox"/>	
Staup	Aaron	Novi	<input type="checkbox"/>	
Stickel	Karyn	HRC for Village of Franklin	<input type="checkbox"/>	
Stickel	Karyn	Troy	<input type="checkbox"/>	
Stickel	Karyn	Birmingham	<input type="checkbox"/>	
Sullivan	Patrick	Northville	<input type="checkbox"/>	
Taylor	Jim	Van Buren Twp.	<input type="checkbox"/>	
Tucker	Eric	Inkster	<input type="checkbox"/>	
Tuomari	Dean	WCDPS	<input type="checkbox"/>	
Turner	William	Van Buren Twp.	<input type="checkbox"/>	
Vandette	Steven	Troy	<input type="checkbox"/>	
Wagoner	Bryan	Wayne County Airport Authority	<input type="checkbox"/>	
Wayne	Adam	Novi	<input checked="" type="checkbox"/>	AW
Whitt	L. Dennis	Walled Lake	<input type="checkbox"/>	
Wineka	Jim	Oakland County	<input type="checkbox"/>	
Yee	Kevin	Oak Park	<input type="checkbox"/>	
Zoner	Tom	Commerce Township	<input type="checkbox"/>	



Above Ford Dam

# Fishing the Rouge River

## What's the Catch?

Some fish have less chemicals than others because of what they eat, how long they live, and how lean or fatty they are. Smaller fish of the same species usually have less chemicals than the bigger ones. It's best to keep the small fish for eating and to snap a picture and return trophy fish to the water!

### How to Catch Panfish

- Panfish, including rock bass and bluegill, can usually be found in shallow water around fallen tree branches, tree roots, and undercut river bank areas. They will also be found in deeper holes in both summer and winter.
- They can be caught using all types of live bait. However, they have small mouths so small bait - like leaf worms, wax worms or crickets - on small hooks work best.
- You can catch these fish year round.

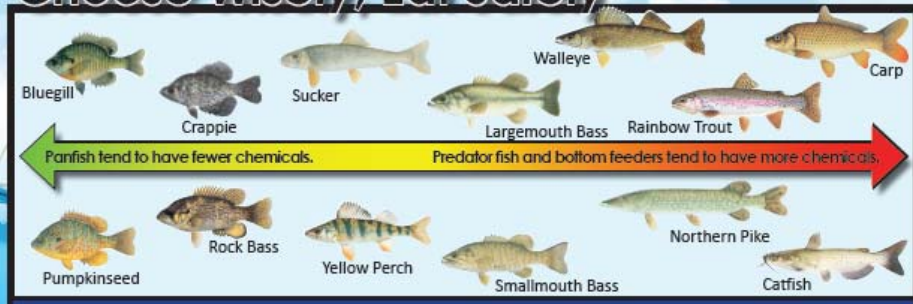
### How to Catch Smallmouth Bass

- Bass are typically found in shallower waters in the spring. They move deeper after spawning.
- You can catch bass with almost any kind of bait, as long as it is moving - either from trolling in a boat or casting and slowly reeling it in.
- There are times when it's not legal to keep large and smallmouth bass. Check the DNR's regulation booklet that you get with your fishing license to learn more.

Source: [www.michigan.gov/howtofish](http://www.michigan.gov/howtofish)

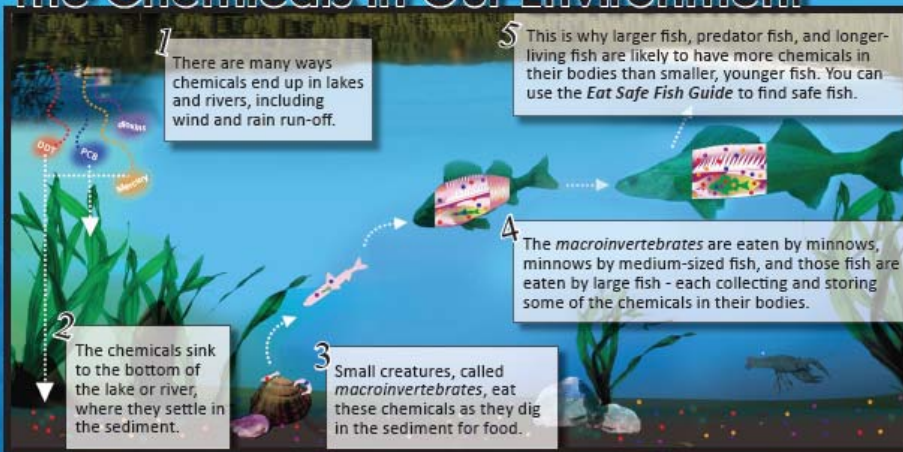


## Choose Wisely, Eat Safely



You can use the *Eat Safe Fish Guide* to find specific guidelines for the Rouge River and other nearby rivers and lakes.

## The Chemicals in Our Environment



No Guide? Be S.A.F.E.

- S** Smaller fish are better. They tend to have fewer chemicals.
- a** Avoid large predator fish and the bottom feeders. They tend to have more chemicals. Please check the *Eat Safe Fish Guide* before eating these fish.
- f** Fat should be removed. Some chemicals are in the fat of the fish.
- e** Eat fish that have been broiled or grilled on a rack. More of the fat and chemicals can drip away. You can reduce some chemicals by up to half!



### Have Questions? Want an *Eat Safe Fish Guide*?

- You can call the Michigan Department of Health & Human Services (MDHHS) at 1-800-648-6942 and ask for a free *Eat Safe Fish Guide* or pick up an *Eat Safe Fish* brochure from any of our local partners.
- You can also download this information to your smartphone 24/7 at [www.michigan.gov/eatsafefish](http://www.michigan.gov/eatsafefish)!

The Guide and brochure include maps to nearby lakes and rivers where fish have been tested for chemicals by MDHHS. The MDHHS Lab tests the filets of fish for chemicals, and all of the MDHHS guidelines are based only on this data.



Michelle Bruneau, MA, Project Manager & Health Educator, Michigan Department of Health & Human Services  
201 Townsend, 4th Fl., Lansing, MI 48913  
Direct: (517) 335-8984, Toll free: 1-800-648-6942, Fax: (517) 335-8800, Email: [bruneaum@michigan.gov](mailto:bruneaum@michigan.gov)

Below Ford Dam

# Fishing the Rouge River

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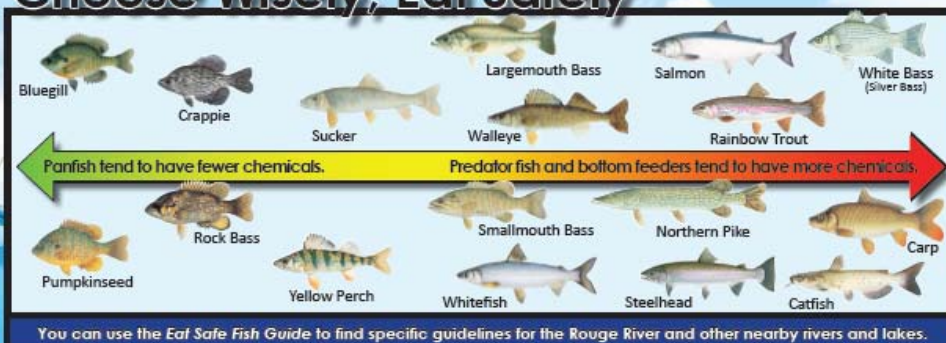
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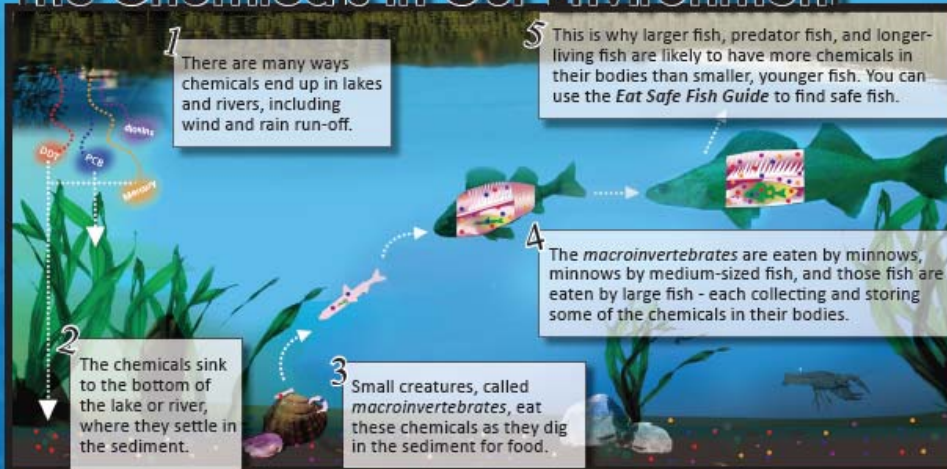
Source: [www.michigan.gov/howtofish](http://www.michigan.gov/howtofish)



## Choose Wisely, Eat Safely



## The Chemicals in Our Environment



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The Guide and brochure include maps to nearby lakes and rivers where fish have been tested for chemicals by MDHHS. The MDHHS Lab tests the filets of fish for chemicals, and all of the MDHHS guidelines are based only on this data.



## **ONGOING ARC GRANT PROJECTS STATUS**

### **2014 Area of Concern/Public Advisory Committee Grant**

This grant is complete. The primary outputs are the Habitat Project List (on RRAC website - <http://www.allianceofrougecommunities.com/PDFs/rrac/Project%20list%20with%20Descriptions%20Final%206-24-15.pdf>) and the Frog and Toad Assessment Report.

### **FOTR-ARC Merger Investigation**

FOTR and the ARC were awarded a grant from the Erb Family Foundation in the amount of \$110,000 to explore merging the organizations. The Reorganization Investigation Committee (RIC) has met several times and are developing a recommendation for the ARC and FOTR boards to consider. The recommendation will outline the financial and non-financial benefits to merging, a draft scope of work, budget, job descriptions, organizational structure, and enabling state legislation under which we would form.

### **Collaborative Invasive Species Control in Rouge and Detroit River AOC**

Wayne County was awarded an EPA for a grant in the amount of \$634,736 to establish and begin implementing an effective management program to address invasive species in the Rouge River and Detroit River Areas of Concern.

The ARC signed an IAA with Wayne County and returned it to them for finalizing.

### **US Forestry Service 2014 Tree Grant**

The ARC received award of a \$100,000 grant from the US Forestry Service to purchase and plant an estimated 680 trees. No match is required. ARC Staff have worked with the communities to establish the number of trees with each interested member. IAAs have been sent to each ARC member that was interested for finalization. Communities will complete their tree work by June 2016 and the ARC will finalize the grant reporting next summer.

## **OUTSTANDING GRANT APPLICATIONS**

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

The ARC anticipates receiving SAW funding in October 2015. The grant totaled \$1,741,667 plus \$358,333 in match. About 27% of the match has already been earned or is in the 2014 budget. The grant covers development of member MS4 permit applications, monitoring, and stormwater funding planning efforts. ECT has met with two communities and began development of their applications.

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

The ARC submitted a design grant to NOAA in February 2015. NOAA has informed the ARC that they will receive funding for this project. ARC is working with NOAA on the agreement at this time. Work is anticipated to begin this September.

### **NOAA GLRI Habitat Restoration: Oxbow Implementation**

The ARC submitted a construction grant to NOAA in February 2015 and anticipates hearing on potential funding in June 2015. This project will not be funded by NOAA this funding cycle. NOAA funds were cut in half by EPA this year so less money to dull out. ARC will reapply during the next cycle in February.

### **2015 Rouge River Public Advisory Council (RRAC) Support**

The ARC submitted an application to the Great Lakes Commission to continue facilitation of the RRAC. The requested budget was \$16,545 for 12 months with no match. The decision has been delayed due to funding delays.

**Alliance of Rouge Communities**  
**A/R Aging Summary**  
**As of August 20, 2015**

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Bingham Farms	0.00	644.00	0.00	0.00	0.00	644.00
FOTR	4,363.61	0.00	0.00	0.00	0.00	4,363.61
Franklin	0.00	1,498.00	0.00	0.00	0.00	1,498.00
Livonia	0.00	0.00	0.00	0.00	28,502.00	28,502.00
Pontiac	0.00	0.00	0.00	0.00	0.00	0.00
Redford Township	0.00	0.00	0.00	0.00	11,610.00	11,610.00
Southfield	0.00	17,943.00	0.00	0.00	0.00	17,943.00
University of Michigan-Dearborn	0.00	750.00	0.00	0.00	0.00	750.00
Van Buren Township	0.00	0.00	0.00	0.00	6,652.00	6,652.00
Walled Lake	0.00	754.00	0.00	0.00	0.00	754.00
Wayne County Airport Authority	0.00	0.00	0.00	0.00	2,266.00	2,266.00
Wixom	0.00	535.00	0.00	0.00	0.00	535.00
<b>TOTAL</b>	<b><u>4,363.61</u></b>	<b><u>22,124.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>49,030.00</u></b>	<b><u>75,517.61</u></b>

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**Alliance of Rouge Communities**  
**A/P Aging Summary**  
**As of August 20, 2015**

19

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
Environmental Consulting & Technology, In	10,590.71	0.00	0.00	0.00	0.00	10,590.71
<b>TOTAL</b>	<b><u>10,590.71</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>0.00</u></b>	<b><u>10,590.71</u></b>

# Alliance of Rouge Communities

## Profit & Loss Budget vs. Actual

### December 2014 through December 2015

	Dec '14 - Dec 15	Budget
<b>Ordinary Income/Expense</b>		
<b>Income</b>		
47200 · Program Income		
47285 · 2015 ARC Membership Dues	249,166.00	251,435.00
<b>Total 47200 · Program Income</b>	249,166.00	251,435.00
48000 · Grants		
48301 · 2014 RRNWDP Grant	0.00	0.00
48612 · NOAA2 Oxbow Phase III	16,533.73	16,533.73
48903 · GLC PAC Support 6 RRAC Fac2014	0.00	19,934.00
48904 · FS2 US Forestry EAB Rest 2014	0.00	95,000.00
48905 · WCGL1 Inv Spec Col 2014	0.00	15,165.00
48906 · FOTR1 - ARC/FOTR Reorg Inv 2015	7,568.69	23,560.00
48907 · SAW1 Stormwater Permit app 2015	0.00	1,608,739.00
<b>Total 48000 · Grants</b>	24,102.42	1,778,931.73
<b>Total Income</b>	273,268.42	2,030,366.73
<b>Expense</b>		
60400 · ARC Awards and Grants		
60410 · OC1-Executive Director Services		
60402 · OC1-Meeting Support	5,761.94	22,523.00
60405 · OC1-Expenses	336.48	2,500.00
60418 · OC1-Advocacy & Liaison	6,879.04	10,783.00
60419 · OC1-Financial Services	11,344.23	15,431.00
60440 · OC1- Administration/Communica	9,386.51	15,087.00
60442 · OC1-Grant Preparation	7,047.85	14,940.00
<b>Total 60410 · OC1-Executive Director Services</b>	40,756.05	81,264.00
60420 · Public Involv. & Education Com.		
60001 · PIE2-Public Ed Materials	136.35	14,500.00
60002 · PIE3-Website Maintenance	0.00	5,500.00
6042 · PIE5-Watershed Steward & Report	980.99	1,500.00
60421 · PIE1-Green Infrast. Campaign	2,372.06	23,500.00
6044 · PIE4 New PE Campaigns/Materials	192.12	15,000.00
<b>Total 60420 · Public Involv. &amp; Education Com.</b>	3,681.52	60,000.00
60430 · Technical Committee		
60004 · TC3-IDEP	1,732.12	60,500.00
<b>Total 60430 · Technical Committee</b>	1,732.12	60,500.00
604603 · SPAC6 RRAC Facilitation 2014	24,089.04	19,934.00
60601 · FS2-US Forestry EAB Grant 2014	3,138.91	95,000.00
60655 · NOAA2-Oxbow Phase III Design		
606552 · NOAA2C-NOAA Reporting & Public	13,509.27	13,509.27
606553 · NOAA2B-Design and Permitting	3,024.46	3,024.46
<b>Total 60655 · NOAA2-Oxbow Phase III Design</b>	16,533.73	16,533.73
60661 · FOTR1 - Reorg Investigation	7,568.69	23,560.00
60662 · SAW1 - SW permits	0.00	1,608,739.00
60663 · WCGL1 - WC Inv Species Collab.	0.00	15,165.00
<b>Total 60400 · ARC Awards and Grants</b>	97,500.06	1,980,695.73
60900 · Business Expenses		
60920 · Business Registration Fees	0.00	20.00
60900 · Business Expenses - Other	420.00	420.00
<b>Total 60900 · Business Expenses</b>	420.00	440.00

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Accrual Basis

**Alliance of Rouge Communities**  
**Profit & Loss Budget vs. Actual**  
**December 2014 through December 2015**

21

	Dec '14 - Dec 15	Budget
<b>62100 - Contract Services</b>		
62110 - FC1-Accounting Fees	7,744.00	15,000.00
62140 - FC1-Legal Fees	0.00	2,000.00
65120 - FC2-Insurance - D&O	902.00	902.00
<b>Total 62100 - Contract Services</b>	<b>8,646.00</b>	<b>17,902.00</b>
<b>Total Expense</b>	<b>106,566.06</b>	<b>1,999,037.73</b>
<b>Net Ordinary Income</b>	<b>166,702.36</b>	<b>31,329.00</b>
<b>Net Income</b>	<b>166,702.36</b>	<b>31,329.00</b>

**Alliance of Rouge Communities**  
**DRAFT 2015 Budget (7/28/15 Amendment 2)**

22

**Anticipated Revenues Available for 2015**

2015 Anticipated Dues from Communities	\$251,435
SPAC Grant	\$19,934
GLRI Grant	\$170,000
FOTR/ERB Foundation	\$23,560
Wayne County Inv. Species Collaboration	\$15,165
SAW Grant	\$350,000
Corporate Support	\$0
Rollover Dues from 2014 Budget (estimated)	\$5,000
	\$835,094

**Approved by Full ARC: 11/10/14**  
 Approved Amendment 1: 5/6/15

DRAFT Amendment 2: 7/28/15

Proposed ARC Budget Items		Committee Budget	Funding Source(3)							"Provider" Using Budget (2)
			ARC Dues	SPAC Grant	GLRI/NOAA Grant	FOTR/ERB Foundation	SAW Grant	Wayne County	Other Source/Match	
Organization Committee										
(1)OC1	Executive Director Services	\$ 66,324	\$ 66,324							EDS
	Pursuing Grant Opportunities	\$ 14,940	\$ 14,940							EDS
Organization Committee Total		\$ 81,264	\$ 81,264							
Finance Committee										
FC1	Accounting/Legal Services	\$ 17,000	\$ 17,000							outside purchase
FC2	ARC Insurance	\$ 2,500	\$ 2,500							outside purchase
Finance Committee Total		\$ 19,500	\$ 19,500							
Public Education and Involvement Committee										
PIE1	Green Infrastructure Campaign	\$ 23,500	\$ 23,500							EDS/WC/FOTR
PIE2	Public Ed Materials	\$ 14,500	\$ 14,500							EDS/WC/ARC
PIE3	Website Maintenance	\$ 5,500	\$ 5,500							EDS/ARC
PIE4	New Public Education Campaigns/Materials	\$ 15,000	\$ 15,000							EDS/FOTR
PIE5	Watershed Stewardship and Reporting	\$ 1,500	\$ 1,500							FOTR
PIE Committee Total		\$ 60,000	\$ 60,000						\$ -	
Technical Committee										
TC3	IDEP	\$ 60,500	\$ 60,500						\$ 15,000	EDS/WC/OC
Technical Committee Total		\$ 60,500	\$ 60,500						\$ 15,000	
Total Amount Requested by All Committees		\$ 221,264	\$ 221,264						\$ 15,000	
			ARC Dues	SPAC Grant	GLRI/NOAA Grant	FOTR/ERB Foundation	SAW Grant	Wayne County	Other Source/Match	
Other Grants (3)										
(5) FS2	FS2 2014 USFS EAB Grant 10/1/14-9/30/16	\$95,000			\$95,000					
(4) SPAC6	SPAC6 RRAC Facilitation 6/1/14-6/30/15	\$19,934		\$19,934						WC/EDS/FOTR
(6) FOTR1	ERB Found. Reorg. Inv. 1/1/15-12/31/15	\$23,560				\$23,560				EDS
(7) SAW1	SAW grant 5/1/15-12/31/18	\$350,000					\$350,000			EDS/WC/FOTR/OC
(8) WCGL1	Wayne County Inv. Species Col. 6/1/15-12/31/16	\$15,165						\$15,165		EDS
(9) NOAA3	NOAA HFE Dam Fish Passage Design 9/1/15-12/31/16	\$75,000			\$75,000					EDS/WC
Total Other Grants:		\$578,659								
TOTAL BUDGET		\$799,923	\$221,264	\$19,934	\$170,000	\$23,560	\$350,000	\$15,165	\$15,000	
TOTAL INCOME		\$835,094								
Available Unallocated ARC Budget (total income minus total budget)		\$ 35,171								

**Notes**

- 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.
- Dollar amounts may be adjusted throughout the year as they are estimates of what will be spent during the budget year.
- SPAC6 adding grant to facilitate RRAC. Total award is \$39,867, with \$19,934 budgeted in 2014 and \$19,933.50 budgeted in 2015.
- FS2 adding the USFS EAB grant. Total award is \$100,000, with \$5,000 budgeted in 2014, \$65,000 budgeted in 2015 and \$30,000 anticipated to be budgeted in 2016.

**5/6/15 Budget Amendments**

- FC1 adding the FOTR1 - ERB Foundation grant for the ARC/FOTR Reorganization Investigation. Total award is \$23,560 and budgeted in 2015.
- FC2 adding the SAW1 - SAW grant services stormwater management plans, monitoring & Funding (upon grant award) total award is \$1,608,739 with \$350,000 budgeted in 2015 and the remainder will be budgeted in 2016-18 along with additional match estimated at \$225,000.
- FC3 adding WCGL1 - Wayne County Collaborative Invasive Species Control in Rouge and Detroit River AOC. Total award is \$20,165 with \$15,165 budgeted in 2015 and the remaining \$5,000 will be budgeted in 2016.

**7/28/15 DRAFT Budget Amendment**

- UPON GRANT AWARD - FC4 adding the NOAA3 - HFE Dam Fish Passage Design grant. Total award is \$350,000 with \$75,000 budgeted in 2015 and the remainder of \$275,000 budgeted in 2016. No match is required.



## ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

### 2015 BUDGET AMENDMENT: Finance Committee Amendment FC4

**REQUEST DATE:** July 28, 2015

**LINE ITEM:** NOAA3 Henry Ford Estate Dam Fish Passage and Habitat  
Restoration Design – **Upon Grant Award**

**COMMITTEE MAKING REQUEST:** Finance Committee

**BACKGROUND:** The ARC applied for a NOAA grant for design of the Henry Ford Estate Dam Fish Passage and Habitat Restoration in February 2015. NOAA has notified the ARC that it has been selected to receive funding for this work. NOAA has all of the grant documentation ready to send to the ARC for finalization once EPA has provided NOAA with their current year allocation of GLRI Funds. **The total compensation for this scope of services is \$350,000. The ARC will be reimbursed by NOAA for 100% of this cost with no match requirement.** The design, once implemented, would positively impact 50 main and 108 tributary river miles for fish migration to the Great Lakes system for the first time in over a century.

**DESCRIPTION OF ANTICIPATED ACTIVITIES:** The design of the natural channel fish passage bypass will incorporate the target fish species design criteria and enable passage. The design strives to, not only pass a diversity of fish species at varying life stages in the most efficient manner possible, but also to provide suitable aquatic habitat for many of the organisms that live in the river. The design of this fish passage is simple and ecologically minded. It will achieve a good fit with the natural riverine floodplain aesthetics. In order to complete the design project, a detailed project schedule has been developed and provided at the end of this project narrative section. The task summaries below provide the activities required in order to achieve the project objectives.

#### **Task 1. NOAA Grant Reporting/Public Outreach**

This task will include the development of a project Quality Assurance Project Plan (QAPP), Health and Safety Plans, semi-annual reports to NOAA, and the drafting of the final project report.

#### **Task 2. Field Investigation**

Background data will be collected and reviewed, the USACE survey completed in 2012, will be used as the base map for the design and the hydraulic modeling set up will form the basis of the design decisions. The following data collection needs will be completed in order to refine the design, allow for project permitting and provide baseline data for comparison following construction.

#### **Task 3. Design**

The design will take into account the technical needs for the natural channel by-pass outlined previously, constructability and long-term maintenance. This task will include hydraulic modeling, development of construction design plans, technical specifications, and construction cost estimating. During the final design phase of the project, the ARC will advance plans (30% design drawings) with additional engineering, planning, design refinement/modifications, stakeholder collaboration, and Technical Team review and feedback. Following this review, the design drawings produced will be advanced to 50% design for review and then to 95%. Final plans and specifications will be developed following the last review.

**Task 4. Permitting**

This task will include permitting services with the intended purpose of obtaining the Joint Application Permit from the MDEQ.

**RATIONALE:** The 2015 budget must be adjusted to reflect this additional funding.

**BUDGET:** This amendment adds the NOAA Rouge River AOC - Henry Ford Estate Dam Fish Passage and Habitat (total award is \$350,000) budget line to the 2015 ARC Budget with funding anticipated for 2015 activities in the amount of \$75,000. The remaining amount of \$275,000 will be budgeted in the 2016 budget. No match is required.

**PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION:** Work will be completed by the ARC Executive Director Staff and Wayne County.

## UPON GRANT AWARD

Alliance of Rouge Communities  
ECT-ARC 2013 Contract, Appendix J  
Scope of Services for NOAA Rouge River AOC - Henry Ford Estate Dam  
Fish Passage and Habitat Restoration Design  
Environmental Consulting & Technology, Inc.  
September 1, 2015– December 31, 2016

**The total compensation for this scope of services is \$285,000. The ARC will be reimbursed by NOAA for 100% of this cost with no match requirement.**

### **The Project:**

The Alliance of Rouge Communities (ARC) has received a \$350,000 grant to design a fish passageway around the Henry Ford Estate Dam on the Rouge River in Dearborn, MI. The design, once implemented, would positively impact 50 main and 108 tributary river miles for fish migration to the Great Lakes system for the first time in over a century.

### **Project Design/Task Summary**

The design of the natural channel fish passage bypass will incorporate target fish species design criteria and enable passage. The design strives to, not only pass a diversity of fish species at varying life stages in the most efficient manner possible, but also to provide suitable aquatic habitat for many of the organisms that live in the river. The design of this fish passage will be ecologically minded and achieve a good fit with the natural riverine floodplain aesthetics. The task summaries below provide the activities required in order to achieve the project objectives.

### **Task 1. NOAA Grant Reporting/Public Outreach**

This task will include the development of a project Quality Assurance Project Plan (QAPP), Health and Safety Plans, semi-annual reports to NOAA, and the drafting of the final project report. This task includes the following elements:

Project Kickoff Meetings – The project will begin with a couple of kickoff meetings between all project partners to review and discuss the final U.S. Army Corps alternatives. These meetings will be conducted to make sure final consensus is confirmed on the chosen alternative for the project designs.

Perform Grant Management activities - The ARC will provide grant management services and assure compliance with terms and conditions of the anticipated grant. Project progress will be monitored on a monthly basis and summarized to NOAA. Additionally, NOAA semi-annual reporting will be prepared and submitted on the required schedule.

Prepare QAPP - 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 to NOAA for review and approval prior to beginning any data collection activities.

Health and Safety Plan (HASP) Development – A site specific health and safety plan 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. The HASP will also detail steps for emergency response, including directions and a map to the nearest emergency room/urgent care.

Coordinate with Partners - The ARC will provide coordination between partners and stakeholders in the project. Throughout the design process, active participation will be fostered among the stakeholders through meetings and a formal technical workshop.

Public Outreach - Throughout the design process, the ARC will reach out to the public to inform them of the proposed activities and to obtain input. During the development of the field information and design documents there will a focused workshop for the interested public. The ARC and project partners will be posting information related to the project on the ARC web site and informational flyers will be distributed to interested organizations and the public at large. This task will include bi-monthly project partner meetings which will allow for exchange of ideas and discussion of concepts and concerns. Partner meetings will allow for the development of a prudent, feasible, public acceptable, and permissible project design.

Deliverables: QAPP, semi-annual reports, final report, and public meeting

## **Task 2. Field Investigation**

Background data will be collected and reviewed, the USACE survey completed in 2012, will be used as the base map for the design and the hydraulic modeling set up will form the basis of the design decisions. The following data collection needs will be completed in order to refine the design, allow for project permitting and provide baseline data for comparison following construction.

Geotechnical Investigation - Up to 10 (ten) soil borings will be performed along the approximate alignment of the natural bypass channel with each extending to a depth of 5-10 feet below grade. Soil samples will be visually classified. Moisture content tests, unit weight determinations and unconfined compressive strength tests will be performed on representative cohesive soil samples. Loss on Ignition Tests (LOI) will be performed on samples suspected to contain organic content. Sieve analysis will be performed on representative samples of existing granular material.

Soil Characterization - The purpose of the soil evaluation will be to characterize the chemical characteristics of the soil prior to its excavation for evaluation of potential disposal alternatives for the soils (upland, fill or at a Class II sanitary landfill). The samples will be analyzed based on the State of Michigan criteria for Metals, Volatile and Semi-Volatile compounds, and PCB scans.

Threatened & Endangered Species (T&E) - Since all federal agency grant programs require at least a programmatic environmental assessment that must consider potential impacts to federally and state-listed T&E plant and animal species, T&E information will be collected. The Michigan Natural Features Inventory (MNFI) maintains a continuously updated natural heritage

database that provides a comprehensive source of existing data on Michigan's endangered, threatened, or otherwise significant plant and animal species, natural plant communities, and other natural features, referred to as "element occurrences." Records in the database indicate that a qualified observer has documented the presence of T&E species or special natural features. The absence of records in the database for a particular site does not preclude the potential presence of T&E species or special natural features; it may mean that the site has not yet been surveyed or that element occurrence observations have not yet been reported to MNFI. Furthermore, the U.S. Fish and Wildlife Service (USFWS) publishes a county distribution list of federally listed threatened, endangered, proposed, and candidate species. This list indicates the potential for T&E species to be present within the county. However, unlike the MNFI database, this list does not necessarily indicate documented presence of T&E species. Other species and unique natural features may be present that have not been recorded in the MNFI database or listed by the USFWS. The only way to obtain a definitive statement on the status of T&E species or special natural features is to have a competent biologist perform a complete field survey. The project area (i.e., potential disturbance limits) will be visited by qualified ecologists and evaluated for suitable T&E species habitat and potential presence of listed species that occur within a 1.5-mile radius of the project site (based on the MNFI database and the USFWS Wayne County species list). Only those T&E species that have the potential to be impacted by the proposed project, based on physical site characteristics, will be targeted for field surveys.

Herpetological – The ARC will establish seasonally-appropriate sampling methodologies to survey for herpetological species. The methodology will be designed to document amphibian and reptile diversity, assess use and spatial distribution, and help identify and delineate habitat indicative of herpetofauna species. A variety of different survey methods will be employed throughout the active season of most species (March – October). Scheduling of field surveys will be based on the best survey times for selected species and various life stages to help determine overall community health. The field surveys will be subject to changes based on temperatures, recent precipitation levels, amount of sunlight, and herpetofauna activity trends found during the prior field surveys. Sampling may include, but is not limited to, aural detection for calling amphibians, visual encounter meander line transect surveys, dipnetting, and turning over cover objects.

Fish - The modification to the Henry Ford Estate dam seeks to provide effective passage of target fish species residing in the Rouge River. Therefore it is important to understand the existing fish usage of resident assemblages upstream and downstream of the dam. This can help guide design goals and strategies to optimize fish passage requirements for target species. While many important fish species reside in the Rouge River near the Henry Ford Estate dam (e.g., smallmouth bass, northern pike, sucker and redhorse, darters, sunfish, minnows, etc.), one of the most important target species for defining fish passage success is the walleye. Therefore, it will be important to characterize walleye presence and usage upstream and downstream of the dam before implementation.

Baseline biological monitoring for fish assemblages in the study area will consist of sampling during the early spring (right at ice out), when water temperatures reach approximately 38-44°F. This corresponds to the time period when walleye and other potadromous fish species begin their spring spawning migrations. Fish will be collected using pulsed DC electroshocking

(60 Hz) using a GPP5.0 (Smith-Root, Inc., Vancouver, WA). GPP settings will be determined in the field based on ambient water conductivity, but will likely consist of using 220V power at 20-40% output (4-7 amps). Two reaches of at least 3,500 ft., one upstream and one downstream of the dam, will be sampled for fish assemblage characterization. Habitats in which target species commonly utilize will be targeted (e.g., large woody debris, pools, and riffles). Each reach will be sampled in 15 minute electroshocking units until the 3,500 ft. has been sampled. During each sampling unit, stunned fish will be netted from the water and placed in holding tanks supplied with fresh water from the Rouge River. Following each sampling unit (i.e., 15 minute interval), collected fish will be identified to the species level, measured to the nearest mm (total length TL), and subsequently live-released into the Rouge River. The total time from capture to release will not exceed 30 minutes to reduce handling stress. To obtain sufficient collection data for analyses and provide a representative assemblage structure, a minimum of 30 fish per primary species (when feasible) will be collected within each reach. Several commonly reported metrics will be used to describe the baseline fish assemblages in the vicinity of the HFE dam. Species richness and abundance, catch per unit effort, and size-frequency distributions will be calculated. To compare the two reaches, commonly reported diversity statistics will be calculated, including Shannon-Weiner diversity, similarity coefficient, evenness, and the effective number of species.

Macroinvertebrates - Macroinvertebrates are an important part of the river ecosystem and can be indicative of the health of a particular system. The purpose of characterizing the macroinvertebrate community in the vicinity of the HFE dam will accomplish two key goals: 1) establish the current macroinvertebrate abundance and diversity in the Rouge River near the project site, and 2) compare macroinvertebrate abundance and diversity to the constructed fish bypass channel which will include the addition of high quality substrate habitat for macroinvertebrates. Several procedures have been developed to evaluate biological impacts using macroinvertebrates as indicators of stream health. The Michigan Department of Environmental Quality (MDEQ) has developed survey protocols for non-wadeable rivers similar to the GLEAS Procedure 51 for wadeable streams. Similar techniques will be used to collect benthic macroinvertebrates upstream and downstream of the HFE dam. Six artificial substrate samplers (e.g., Hester-Dendy) will be deployed at randomized stations within each reach and left in place for 6 weeks for adequate colonization. The samplers will then be recovered and a composite of 5 of the 6 samplers at each site will be taken back to the lab for identification and enumeration. Aquatic habitat will be assessed during deployment of the Hester Dendys as outlined in the procedure for scoring purposes. Scoring of the data will follow the guidelines presented in the non-wadeable rivers procedure.

### **Task 3. Design**

The design will take into account the technical needs for the natural channel by-pass outlined previously, constructability and long-term maintenance. This task will include hydraulic modeling, development of construction design plans, technical specifications, and construction cost estimating. During the final design phase of the project, the ARC will advance plans (30% design drawings) with additional engineering, planning, design refinement/modifications, stakeholder collaboration, and Technical Team review and feedback. Following this review, the design drawings produced will be advanced to 50% design for review and then to 95%. Final plans and specifications will be developed following the last review.

## Deliverables: Design Plans and Technical Specifications

### **Task 4. Permitting**

This task will include permitting services with the intended purpose of obtaining the Joint Application Permit from the MDEQ. The following activities will be completed as part of this task.

- Prepare a pre-application meeting package with pre-application meeting fee and work with the County to schedule a site meeting and project review meeting with MDEQ Division staff. The purpose of a formal pre-application meeting is to review statutory permitting requirements.
- A Joint Application for Permit will be completed, including all necessary attachments. Quantities of cuts and fills in wetlands, streams, and floodplains will be calculated from the design drawings and tabulated. Basis of Design Report detailing the final design will be prepared (Supporting data, analyses, computations, and modeling will be presented in a concise format. Periodic communication with District permitting staff will allow dialogue on design before the Joint Permit Application is submitted. This will include project partner meetings which will allow for exchange of ideas, discussion of concepts and concerns culminating in the development of a prudent, feasible, and permittable project design upon completion. This process will help ensure that a permittable project is designed and will facilitate the permitting process.

## Deliverables: MDEQ/USACE Joint Permit Application Package



July 28, 2015

Ms. Brandy Siedlaczek, Chair  
Alliance of Rouge Communities  
46036 Michigan Ave, Suite 126  
Canton, MI 48188

**RE: Environmental Consulting & Technology, Inc. Contract Extension**

Dear Ms. Siedlaczek:

Environmental Consulting & Technology, Inc. (ECT) is writing to inform you that ECT's current contract with the Alliance of Rouge Communities (ARC) is scheduled to end at the end of this year, December 31, 2015. Per Section III. Term of Contract:

*"The Contract Period ("Contract Period") shall be from January 1, 2013, through December 31, 2015. At its discretion, the ARC may negotiate with the CONTRACTOR for continuing services on an annual basis for similar services up to three (3) subsequent finical years. The Contract Period may be extended at the sole discretion of the ARC under the terms agreed to in writing by the CONTRACTOR and the ARC unit it authority as authorized by its bylaws."*

Therefore, ECT is requesting an initial annual extension of our contract, under its current terms, be considered and granted. This would extend the current contract end date to December 31, 2016, and allow for the potential of two additional one year extensions.

ECT truly appreciates the opportunity to serve as ARC staff and believes the extension will provide continuity of current services as the ARC moves forward. ECT also believes its institutional knowledge will be a great asset to the ARC as it works through any potential structural changes that it may choose to investigate.

Should you have any questions please do not hesitate to contact myself or any of the other ECT "ARC Staff".

Respectfully submitted,

**ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.**

A handwritten signature in black ink that reads "James W. Ridgway". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

James. W. Ridgway, P.E.  
Vice President

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