



Executive Director 2013 Annual Report



**Wayne Road
Dam Removal
Celebration
June 7, 2013**



February, 2014

Submitted by:



2200 Commonwealth Blvd.,
Suite 300, Ann Arbor, MI 48105

EXECUTIVE DIRECTOR 2013 ANNUAL REPORT

The 2013 Alliance of Rouge Communities (ARC) Executive Director's Annual Report discusses all of the activities conducted by the ARC in 2013, including routine administration and meetings of the ARC and all of its committees. It also includes results from specific ARC water quality sampling, ARC IDEP activities and public education activities, including workshops and rain barrel sales and developed products. This report may be attached to your annual report to MDEQ, which is due March 31, 2014 for most permittees. If you need any other ARC-related information for your annual report, please contact Annette DeMaria at ademaria@ectinc.com.

TASK 1: MEETINGS

A. FULL ALLIANCE MEETINGS

Staff support was 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. ARC meetings were held on:

March 28, 2013, Henry Ford Community College

Chuck Hersey, SEMCOG, gave a summary of the Sewer Funding Bills which includes a state operated grant program and a state-operated and managed loan program in addition to the separate federal SRF program. The approximate funding is \$454 million with the maximum possible being \$654 million with the intent to spend these funds over the next five-seven years depending on demand.

The ARC Treasurer reviewed the budget amendment which added a task to develop a Stormwater Financing White Paper that gives the financing options for ARC members after the Rouge Project funding is gone in June 2014.

The revised ARC Bylaws were approved by 22 communities, a new Ban on Texting While Driving policy was approved and the revised Strategic Plan was approved.

The IDEP Training Plan was approved. The goal of the plan is to provide training to the southeast Michigan region focused on illicit discharge elimination and storm water pollution prevention.

A tour of the Henry Ford Community College green roof was given at the close of the meeting.

July 11, 2013, U of M-D Fairlane Center- Dearborn

The Full ARC approved a budget amendment to increase the grant preparation task to allow for the ARC to apply for the MDEQ's Stormwater, Asset Management and Wastewater (SAW) Program.

The Executive Director staff reported that the letter requested by the ARC was sent on July 1, 2013, to Governor Snyder regarding the concern with the ARC member's ability to comply with newly imposed stormwater requirements. A request would be made to meet with Jon Allan, Dan Wyant and Bill Rustem to follow up on the ARC concerns.

A request was approved by the Full ARC to designate The Henry Ford as a Cooperating Partner.

November 21, 2013, Canton

The PIE Committee distributed awards for Green Infrastructure Guardians to Beverly Hills, Bingham Farms, Bloomfield Hills, Canton Twp., Farmington, Farmington Hills, Southfield, Cleveland Elementary, Lawrence Technological University and U of M - Dearborn. These were awarded to entities or communities that have maintained their ARC funded grow zone in hopes of promoting continued maintenance. The recipients were also offered a tree that was donated by Wayne County.



Kevin Buford (left), ARC Chair and Noel Mullett (right), Wayne County with award recipient Kathryn Hagaman of Bingham Farms

The ARC finalized the NOAA contract documents for the grant to design Phase III of the Oxbow at The Henry Ford in Dearborn which will provide for the final open connection of the Oxbow to the channelized portion of the Rouge River.

It was reported that both the GLRI Transforming the Rouge and the NOAA Wayne Rd. Dam Removal projects were completed in 2013.

The ARC Executive Director recommended that as the Rouge Grant funds end May 31, 2014 that the ARC focus on compliance with the MS4 permit. Other activities that have previously been performed by the ARC will only be considered if grants fully fund the activity unless approved by the Executive Committee.

The ARC Treasurer discussed the 2012 A133 Audit results which showed no instances of noncompliance and no significant deficiencies. The 2014 ARC budget of \$666,522 was approved. The budget includes the following line items:

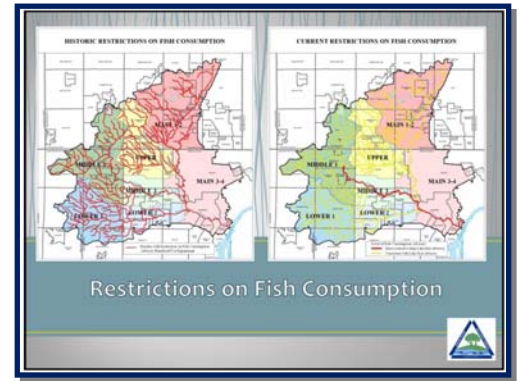
Executive Director Services:	\$123,819
Finance Committee:	21,000
PIE Committee:	63,000
Technical Committee:	118,000
U.S. Forest Service:	60,670
CMI:	10,000
NOAA:	191,272
SPAC:	14,878
Erb Foundation	63,886
<hr/> Total:	<hr/> \$666,522

Revisions to the ARC Purchasing Policy, the Grant Eligibility and Management Requirements Policy were approved and a new Vendor Management Policy was approved. These revisions and new policies were made at the request of the ARC auditors to comply with future federal grant requirements.

The required resolution accepting the SAW grant was approved.

Bill Craig, RRAC, gave a presentation on the new Rouge River Watershed Great Lakes AOC Beneficial Use Impairment 2013 Report Card. Copies of the report were handed out as well and can be downloaded from the RRAC website at www.allianceofrougecommunities.com/rrac.html.

Full ARC meeting summaries can be found at:
<http://www.allianceofrougecommunities.com/arcmeetings.html> .



B. EXECUTIVE COMMITTEE

Staff support was provided for three (3) Executive Committee meetings and one (1) Special Executive Committee meeting. Staff support for each meeting included (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 (a summary was not prepared for the Special Executive Committee meeting) and distribution. This subtask also included ongoing support services for the committee outside of the regular meetings.

The Executive Committee discusses and approves items in advance of full ARC meetings. Agendas and meeting summaries are available on www.allianceofrougecommunities.com. ARC Executive Committee Meetings were held on the following dates:

March 26, 2013, Southfield Parks and Recreation

Executive Director Jim Ridgway reported that the state seems to still be moving forward with the permit. The Alliance of Downriver Watersheds (ADW) sent a letter recently to the Governor expressing its concerns. The ARC has not prepared anything formally. Jim asked if the Executive Committee would like the Executive Director staff to draft a letter and to share with the ARC membership to see if the ARC wants to send a letter as well. It was discussed by the Executive Committee and agreed that Jim would send the ADW letter out again and inform the Full ARC that a discussion was planned for the next Full ARC meeting to determine if the ARC members felt it would be beneficial to express the ARC's concerns as well.

ARC Staff reviewed the budget amendment which added a task to develop a Stormwater Financing White Paper that gives the financing options for ARC members after the Rouge Project funding is gone in June 2014.

ARC Staff informed the Committee that the revised Bylaws had been approved by 22 communities which is enough to pass the revised Bylaws.

ARC Staff reviewed a new Ban on Texting While Driving Policy and the revised Strategic Plan.

June 27, 2013, Dearborn Department of Public Works

The Executive Director reported that the ARC was awarded a NOAA Habitat Restoration Grant to design Phase III of the Oxbow at The Henry Ford in Dearborn and an AOC/PAC grant to facilitate the Rouge River Advisory Council.

The Executive Director staff reported that the letter requested by the ARC will be finalized and sent to Governor Snyder regarding the concern with the ARC member's ability to comply with newly imposed storm water requirements. A request would be made to meet with Jon Allan, Dan Wyant and Bill Rustem to follow up on the ARC concerns.

The Technical Committee Chair informed the Executive Committee that the ARC is eligible to apply for the SAW grant. The Executive Committee requested that the Executive Director Staff prepare a budget amendment to increase the grant preparation task to allow for the ARC to apply for the MDEQ's Stormwater, Asset Management and Wastewater (SAW) Program.

The 2014 ARC Budget Preparation Schedule was distributed.

A request was made by The Henry Ford to become a Cooperating Partner.

August 8, 2013, Special Meeting Regarding Legacy Act Guidance, Farmington Hills

A special meeting was held regarding the status and future steps of the Erb Foundation Capacity Building grant for the ARC to conduct a remedial investigation and feasibility study to address the contaminated sediments in the lower 3 miles of the Rouge River Main Channel.

November 12, 2013, Farmington Hills

The ARC finalized the NOAA contract documents for the grant to design Phase III of the Oxbow at The Henry Ford in Dearborn which will provide for the final open connection of the Oxbow to the channelized portion of the Rouge River.

It was reported that both the GLRI Transforming the Rouge and the NOAA Wayne Road Dam Removal projects were completed in 2013.

The Erb Foundation Capacity Building project was discussed. The scope of work for the Legacy Act proposal has theoretically been approved by EPA. However, there is not an agreement on the appropriate budget. If the team is unable to get additional match to make up the difference then the team plans to recommend to the Executive Committee to abandon the effort.

The Rouge Grant funds are ending May 31, 2014 and the ARC focus on compliance with the MS4 permit were discussed. Other activities that have previously been performed by the ARC will only be considered if grants fully fund the activity unless approved by the Executive Committee.

The ARC Treasurer discussed the 2012 A133 Audit results which showed no instances of noncompliance and no significant deficiencies. The 2014 ARC budget of \$666,522 was reviewed.

Revisions to the ARC Purchasing Policy, the Grant Eligibility and Management Requirements Policy, and a new Vendor Management Policy were reviewed. These revisions and new policies were made at the request of the ARC auditors to comply with future federal grant requirements.

The required resolution accepting the SAW grant was approved.

ARC Executive Committee meeting summaries can be found at:
<http://www.allianceofrougecommunities.com/arcmeetings.html> .

C. ORGANIZATION COMMITTEE

Staff support was provided for three (3) regular meetings, including preparation of the agenda (under the direction of the Organization Committee Chair), distribution of the materials prior to the meetings, facilitation of the meetings (including note-taking and record of actions taken).

The ED Staff monitored the member adoption of the revised ARC Bylaws and reported that 26 communities adopted them by September 2013.

The Organization Committee drafted a white paper on possible storm water financing options since the Rouge Program Office (RPO) grants will end June 1, 2014. The RPO grant has historically provided 50% of the ARC's budget, and a plan must be implemented to provide for the lost grant funding.

Additionally, the committee reviewed and recommended The Henry Ford as a Cooperating Partner.

The Organization Committee made revisions to the ARC's Strategic Plan which included updates to the mission, vision and goals and brings the document up to date.

The Organization Committee made revisions to the ARC Purchasing Policy, the Grant Eligibility and Management Requirements Policy, and created a new Vendor Management Policy and a Ban on Texting While Driving policy that were adopted by the Full ARC in 2013.

The Organization Committee met on the following dates:

- ◆ January 8, 2013, Bingham Farms
- ◆ February 7, 2013, Dearborn
- ◆ September 25, 2013, Wayne

D. PUBLIC INVOLVEMENT AND EDUCATION (PIE) COMMITTEE

Staff support was provided for three (3) regular meetings, including preparation of the agenda (under the direction of the PIE Committee Chair), distribution of the materials prior to the meetings, facilitation of the meetings (including note-taking and record of actions taken), and preparation/distribution of meeting summaries to members and other interested parties. Staff provided ongoing support services for the committee outside of regular meetings. PIE meetings were held on the following dates:

- ◆ March 7, 2013, Southfield
- ◆ May 23, 2013, Bloomfield Township – demonstration of green infrastructure techniques
- ◆ July 31, 2013, Bloomfield Township

Staff also attended the Friends of the Rouge PI Task Force meetings on:

- ◆ January 9, 2013
- ◆ April 10, 2013
- ◆ May 1, 2013
- ◆ June 5, 2013
- ◆ July 10, 2013
- ◆ September 4, 2013
- ◆ October 2, 2013
- ◆ November 6, 2013

ED Staff met with the Cranbrook Institute of Science on April 4, 2013 to discuss partnership activities. Specific PIE Committee activities are listed under Task 3.

E. TECHNICAL COMMITTEE

Staff support was provided for two (2) regular committee meetings. Activities included preparation of the agenda (under the direction of the Technical Committee Chair), distribution of the materials prior to

the meetings, facilitation of the meetings (including note-taking and record of actions taken), and preparation/distribution of meeting summaries to members and other interested parties. Ongoing committee support services were also provided and include transferring the Rouge WebView online monitoring database to Wayne State University for them to maintain beginning in 2013.

Technical Committee Meetings were held on the following dates:

- ◆ June 20, 2013, Farmington Hills
- ◆ September 4, 2013, Farmington Hills

Specific Technical Committee activities are listed under Task 4.

F. SUBWATERSHED ADVISORY GROUPS (SWAGS)

There were no SWAG meetings in 2013.

G. FINANCE COMMITTEE

ED staff worked with the Finance Committee to develop and administer the annual budget and work plan. ED staff prepared monthly financial reports, mailed dues invoices to members, collected dues, submitted various grant reimbursement requests and paid the ARC's bills. ED staff facilitated three (3) Finance Committee meetings by preparing the agenda, distributing materials prior to the meetings, and preparing/distributing meeting summaries to appropriate parties. Finance Committee meetings were held at the City of Southfield on the following dates:

- ◆ March 11, 2013, Southfield
- ◆ June 18, 2013, Southfield
- ◆ October 2, 2013, Southfield

ED staff met with Wayne County staff on September 17, 2013 to review the current/projected 2013 expenditures for the Rouge Project funded tasks and the expected 2014 budgets for the Rouge Project funded tasks in an effort to optimize the use of the grant funds.

ED staff worked with the Finance Committee to make revisions to the ARC's Accounting Procedures Manual as requested by the auditors to include information required by federal funders.

H. ADMINISTRATIVE OVERSIGHT/ONGOING SUPPORT SERVICES

ED staff provided ongoing support services to the above committees on an as-needed basis.

TASK 2: ADVOCACY AND ADMINISTRATION

A. FREEDOM OF INFORMATION ACT (FOIA) AND OPEN MEETINGS ACT – STATE LAW REQUIREMENTS

The ARC did not receive any FOIA requests in 2013.

B. ROUTINE DISTRIBUTION OF MATERIALS

Materials distributed in 2013 included all meeting materials for the ARC Executive Committee, the Full ARC, the Public Involvement and Education, Technical, Organization, and Finance committees and all special meetings. Staff also distributed materials related to permit discussions with MDEQ, watershed management planning documents and flyers for upcoming events.

C. ADVOCATE FOR ROUGE RIVER WATERSHED & PRIMARY LIAISON

ED staff promoted the ARC as the advocate for the Rouge River Watershed, served as the primary spokesperson for the ARC, responded to requests for information and sought opportunities to promote

ARC awareness. ED staff served as the ARC primary liaison to the general public, all members, including both formal and informal interaction with government officials, legislators and staff on a regular basis. The Executive Director and staff participated in the following outreach activities:

Outreach Activities

Great Lakes Advisory Board -Jim Ridgway was named to the USEPA Great Lakes Advisory Board (GLAB). He will be advocating for ARC communities as well as all communities within the Great Lakes basin. The Great lake Advisory Board supports the EPA and all other federal agencies in their efforts to restore and protect the Great Lakes.

Celebration of the removal of the NOAA funded Wayne Road Dam and restoration of the Lower Rouge Fishery - ED staff organized and attended the celebration of the removal of the Wayne Road Dam on June 7, 2013 in Wayne which was attended by 45 people. The celebration included remarks by Wayne Mayor Abdul Haidous, Wayne County Executive Robert Ficano, Congressman John Conyers, Jr., ARC Chair Kevin Buford and NOAA representative John Bratton. Refreshments were provided, a ribbon cutting ceremony was done, canoe rides and walking tours were available, a bug hunt was conducted by FOTR and display tables were set up by project partners.



Wayne Mayor Haidous (front) canoeing the Rouge River now that the Wayne Rd. Dam has been removed

National Conference on Ecosystem

Restoration - ED

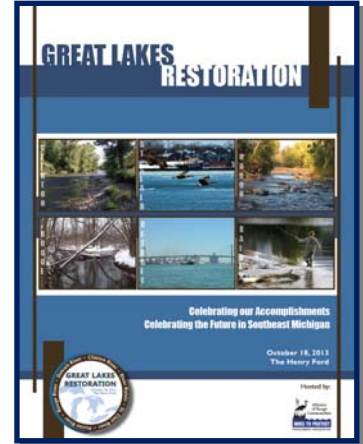
staff, at no cost to the ARC, attended, prepared and manned poster presentations for the GLRI funded Danvers Pond Dam Removal project, the Wayne Rd. Dam Removal and River Restoration project and the Transforming the Rouge project. The conference was held in Chicago in August 2013.

Green Your Neighborhood -ED created a display board and staffed a booth on behalf of the ARC at the Green Your Neighborhood event put on by Sierra Club at Wayne County Community College on September 7, 2013. The ARC's board included information on the Transforming the Rouge project and the ARC's other green infrastructure activities.



Oakland County Stormwater Summit-ED staff attended the October 4, 2013, Summit and did a presentation entitled "Shifting from Gray to Green Infrastructure" on behalf of the ARC.

Great Lakes Restoration- ED staff planned, organized and staffed the Great Lakes Restoration event on October 18, 2013 that was hosted by the ARC at The Henry Ford, at no cost to members. The event celebrated the restoration efforts in Southeast Michigan and was attended by more than 110 people. The ARC received donations from various firms to sponsor the event, food, preparations of the slides and design and printing costs for a 78-page color book that highlighted grant funded projects within the Clinton, St. Clair, Rouge, Detroit, Huron and Raisin Rivers. Welcomes were done by Patricia Mooradian, President of The Henry Ford and Kevin Buford, Chair of the ARC. Jon Allan, Director of the Office of the Great Lakes did a Great Lakes Virtual Tour which interviewed representatives from the local groups receiving the grant funds and then gave the State's perspective. A keynote address was given by Cameron Davis, Senior Advisor to the Administrator of the U. S. EPA which gave the federal perspective. Additional federal perspective was given by Dr. John Bratton, Acting Director of the National Oceanic and Atmospheric Administration's (NOAA) Great Lakes Environmental Research Laboratory. In support of the event Senator Stabenow prepared a video to share at the event. At the close of the event a tour was given of The Henry Ford's Oxbow that the ARC was recently awarded a NOAA grant to design the connection from the Oxbow to the channelized portion of the Rouge River.



Coffee hour which included slides highlighting restoration efforts in Southeast Michigan



Jon Allan, Office of the Great Lakes interviewing Amy Mangus, SEMCOG during the virtual tour

GLRI Support

Letters were sent by ED Staff on April 14, 2013 to Congressmen Dingell and Levin thanking them for leading the effort for continued support of the Great Lakes Restoration Initiative (GLRI) program. In addition the letters thanked them for their effort to persuade the House Appropriations Committee to sustain level funding to continue the important work of the GLRI.

Statewide Public Advisory Council (SPAC)

ED Staff attended the fall SPAC meeting at no cost to the ARC, which was held on Belle Isle, at the Great Lakes Dossin Museum in Detroit on November 14-15.

Member and General Public Requests

Pontiac informed the ARC staff that they were discontinuing their membership in the ARC.

ED Staff had discussions with DWSD regarding membership in the ARC.

The Executive Director and staff responded to individual inquiries from Henry Ford Community College regarding a resident's questions regarding Erity Dam on the Rouge in Beverly Hills.

The City of Westland requested ED Staff support during their MS4/MDEQ Audit.

DVD copies of the Rouge River Watershed Management Plan were requested by Wayne, Birmingham, Franklin, and Bloomfield Hills.

ED Staff responded to a request by the Wayne Historical Museum and provided a copy of the final report on the Wayne Rd. Dam for their files.

ED Staff responded to resident concerns regarding the Transforming the Rouge Project, specifically the Lola Valley Park plantings.

ED Staff responded to a resident's questions regarding the structure and past leadership of the ARC. ED Staff directed them to the ARC website which includes the ARC's history.

ED Staff responded to questions from the PTO at Jane Addams school regarding maintenance of their grow zone that was designed and planted with an ARC grant in the past.

Storm Water Permit Activities

ED Staff prepared a letter requested by the ARC to Governor Snyder regarding the concern with the ARC member's ability to comply with newly imposed storm water requirements. A request was made to meet with Jon Allan, Dan Wyant and Bill Rustem to follow up on the ARC concerns.

ARC staff and ARC representatives met with MDEQ to receive clarification between the existing Permit and the new application on April 18, 2013. In addition, a pre-meeting was held to develop a list of questions to share with MDEQ at the meeting.

The ED staff kept the ARC members informed about the status USEPA Stormwater Rules throughout 2013.

ED staff prepared a Stormwater Financing White Paper that gives the financing options for ARC members after the Rouge Project funding is gone in June 2014. ED Staff shared a Western Kentucky Stormwater Utility Survey with the Organization Committee and officers.

ED staff forwarded a WEF update to the 1994 publication, User-Fee-Funded Stormwater Utilities, in September, 2013, and informed the ARC communities of a free webinar on September 11, 2013 which provided an overview of the manual.

Partnership Activities

The Executive Director and staff continued to work with the following organizations on a variety of initiatives: Friends of the Rouge, Rouge River Advisory Committee (RRAC), SEMCOG, The Henry Ford, Southeastern Oakland County Water Authority (SOCWA) and the Cranbrook Institute of Science.

D. QUICK BOOKS MONTHLY TRACKING AND REPORTING

ED staff provides financial services in accordance with the ARC's Accounting Procedures Manual. ED staff provided 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. ED staff maintained separate general ledger accounts as required by funding source regulations. ED staff maintained financial records and files as required by the ARC Accounting Procedures Manual including grants and vendor contracts. ED staff submitted all required information for grant reimbursement requests and grant reporting. ED staff assisted and provided information for the 2012 financial audit and taxes which was completed on September 25, 2013.

E. ADMINISTRATIVE OVERSIGHT & CONTRACTOR MANAGEMENT

ED staff provided administrative oversight of the ARC day-to-day activities, staff, consultants and contractors, and external relationships with other agencies, organizations, and individuals to meet the goals of the ARC. Specific activities were discussed in monthly invoice summaries.

F. ARC MARKETING & COMMUNICATIONS STRATEGY

The ARC's GLRI funded Danvers Dam Removal & Stream Restoration was awarded the American Public Works Association Award (APWA) Michigan Chapter Project of the Year Award for Environment – less than \$1 million in May 2013.

A press release was done March 13, 2013 in which EPA Announces Membership of Great Lakes Advisory Board which included Jim Ridgway.

Press releases were prepared by Wayne County and various media outlets reported on the Wayne Road Dam removal event which was held in Goudy Park in Wayne on June 7, 2013.

ARC staff worked with the Huron River Watershed Council who requested to revise the OCWRC/ARC public education piece Waterfront Wisdom, Healthy Habits for Clean Water. ARC staff asked that they give credit to the Oakland County Water Resources Commissioners Office.

An *ARC Communication* newsletter was sent to the membership in February 2013.

G. ANNUAL REPORT

The 2012 ARC annual report was completed and submitted to the ARC in March, 2013.

H. GRANT APPLICATIONS

The Executive Director staff applied for the following grants in 2013 on behalf of the Alliance of Rouge Communities:

- ◆ NOAA Fish and Wildlife Habitat Grant (\$250,000) for The Henry Ford Oxbow Phase III. The ARC was awarded this grant (awarded).
- ◆ Statewide Public Advisory Council Grant (Great Lakes Commission) (\$28,800) to continue to facilitate the RRAC and to develop/update fact sheets with costs on Rouge River Priority Projects to remove Beneficial Use Impairments for possible future funding. The ARC was awarded this grant (awarded).
- ◆ Healing Our Waters, Administered by Freshwater Future (\$15,000) ARC 2014 GLRI Grant Program – to replace funding cuts in 2014 which will drastically impact the ARC's ability to write grants and sustain its momentum in improving the Rouge River for its residents. (awarded)
- ◆ MDEQ SAW Grant (\$1,741,667 grant funds, \$358,333 in match) to provide Collaborative Stormwater Planning for the ARC, Wayne, Oakland and Washtenaw Counties to support

activities related to the MS4 permit application. (award status unknown at the time of this report)

- ◆ The NOAA Regional Partnership three-year grant program to conduct projects in the Rouge River and Detroit River Areas of Concern (not awarded).
- ◆ U.S. Fish and Wildlife Service (\$250,000) 2013 GLRI funding to replace 1,500 trees lost to the Emerald Ash Borer (not awarded).

TASK 3: PIE COMMITTEE TASKS

A. GREEN INFRASTRUCTURE CAMPAIGN

Grow Zones Program

A successful green infrastructure grant program was conducted by the PIE Committee in 2009-12 that has provided funding for 31 small green infrastructure projects across the Rouge River Watershed. ED Staff scheduled field visits to the ARC grow zones for observation of current conditions. The top 10 grow zones were awarded “Green Infrastructure Guardian” certificates.

ED Staff began drafting ARC grow zone project profiles.

Workshops

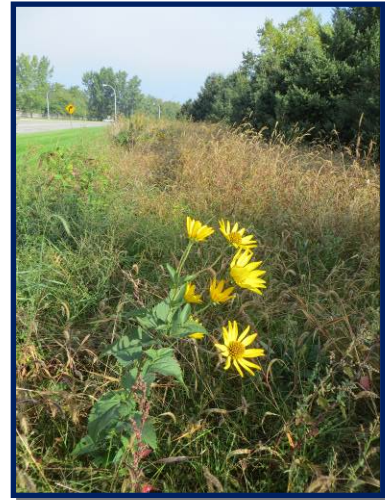
Five workshops were held in partnership with Friends of the Rouge and Wayne County in 2013. They were:

Naturalizing the Home Garden: A Native Design Workshop for Beginners: A total of 118 people attended four workshops to get hands-on experience from experts about how to design a small native garden at their homes. They were held in March and April, 2013 at the following locations.

- ◆ March 12, 2013, Cranbrook Institute of Science
- ◆ March 26, 2013, Canton Township Municipal Services Building
- ◆ April 7, 2013, Henry Ford Community College
- ◆ April 24, 2013, Farmington Hills City Hall

Surveys conducted at the workshops showed that participants thought the workshops were a valuable experience.

ARC Grow Zone Maintenance Workshop: 10 people participated in the September 26, 2013 workshop in Westland. This workshop which focused on assisting ARC members and others who installed ARC grow zones from 2009-11. The main presentation walked participants through a variety of ARC grow zones showcasing both success stories and not so successful projects. Participants took a tour of EL Johnson nature preserve to see what has been done there with grow zones, invasives and other natural areas. The workshop concluded with a 30 minute hands-on, weed pulling exercise.



Grow zone in Melvindale



2013 Rain Barrel/Compost Bin Sales

Two rain barrel sales were held in Bloomfield Township on June 1, 2013 and June 14-15 at Canton Township’s Liberty Fest in conjunction with Great Lakes Rain Barrel. A total of 126 rain barrels were sold at both events.

ED staff worked with fourth graders from Conant Elementary School in Bloomfield Twp. who developed a presentation about fresh water, including rain barrel usage. ED Staff attended the presentation on May 9, 2013, which was filmed by Bloomfield cable to promote the rain barrel sale.



Great Lakes Rain Barrel representative with fourth graders from Conant Elementary School

Green Schools

Wayne County staff facilitates the Green Schools program in Wayne and Oakland Counties for the PIE Committee. The state of Michigan has an official Michigan Green School Law, which encourages all public and private schools to administer energy-saving and environmental activities to become designated as a “Green School”. A school is eligible to receive a green, emerald or evergreen school designation if the school coordinator submits proper documentation describing how the school has performed activities from each of the categories: Recycling, Energy, Environmental Protection, Miscellaneous, and Propose Your Own Point. The Green School designation can be achieved by successfully participating in a least 10 activities. The Emerald designation can be achieved by successfully participating in 15 points and the Evergreen designation can be achieved by successfully participating in 20 points. PIE Committee budget for this task was used to purchase 10 trees for schools registered in the Green Schools program in 2013.

As part of the Alliance of Rouge Communities (ARC) 2013 Green Infrastructure Education Campaign, Wayne County’s Water Quality Management Division (WQMD) coordinated the purchase of trees for recognized Michigan Green Schools in the ARC. The tree species offered were all native to Michigan and included eastern red bud, northern red oak and sugar maple. The trees were 1.5 inch caliper and depending on the variety, 7’-20’ in height. WQMD offered trees to the sixteen (16) schools that were new to the Green School program in the Oakland and Wayne County portions of the Rouge River watershed. Ten schools accepted a tree.

COMMUNITY	TOTAL RAIN BARRELS SOLD THROUGH 2013
Allen Park	15
Auburn Hills	1
Beverly Hills	27
Birmingham	57
Bloomfield Hills	14
Bloomfield Twp.	55
Canton	175
Commerce	12
Dearborn	97
Dearborn Heights	112
Detroit	46
Farmington	40
Farmington Hills	214
Franklin	3
Garden City	139
Highland Park	6
Inkster	10
Lathrup Village	43
Livonia	459
Melvindale	8
Northville	32
Novi	38
Oak Park	8
Plymouth	64
Redford	261
Rochester Hills	105
Romulus	15
Southfield	201
Troy	352
Wayne	39
West Bloomfield	10
Westland	357
Wixom	1
Non-Rouge Communities	565
Other	124
TOTAL	3,705

The ARC also provided white pine seedlings to the sixteen (16) green schools. The seedlings were provided in packs of 30. Informational material including planting instructions, the Value of Trees flyer, Rouge River bookmark, ARC flyer and instructions on registering the tree through the ARC's website were provided for each student receiving a seedling. To date, 168 trees have been registered on the ARC Website.

The list of Rouge River Watershed Green Schools is available on the ARC website at:
<http://www.allianceofrougecommunities.com/PDFs/PI/2013%20Green%20School%20Summary%20Final.pdf>.

The Trees for Green Schools Report can be found on the ARC website at:
<http://www.allianceofrougecommunities.com/PDFs/PI/2013%20ARC%20Green%20School%20Tree%20Summary.pdf>.

B. PUBLIC ED MATERIALS

ED staff made available to ARC members various partner public education materials through the ARC website. More than 4,400 partner material items were distributed to member communities.

ED Staff distributed various public education materials to communities including:

- ◆ Commerce Township
- ◆ Wayne
- ◆ Cranbrook Institute of Science
- ◆ Farmington Hills
- ◆ Washtenaw County
- ◆ Orchard Lake
- ◆ Walled Lake
- ◆ Redford Township
- ◆ Bloomfield Township

Bookmarks

ARC staff developed bookmarks to publicize the ARC and promote Rouge Friendly tips to the public.

They were distributed to the following entities:

12 ARC member communities and agencies (1,075)

7 ARC member community events (1,263)

Green Schools (600)

Fertilizer Clips

The ARC developed fertilizer clips with the ARC logo and the phrase: *Fertilize Sparingly and Caringly* to distribute at public events. More than 1,700 clips were distributed at rain barrel sales, workshops, partner events, the Wayne Road Dam Removal and River Restoration celebration and the Great Lakes Restoration event.

ARC Public Education Brochure

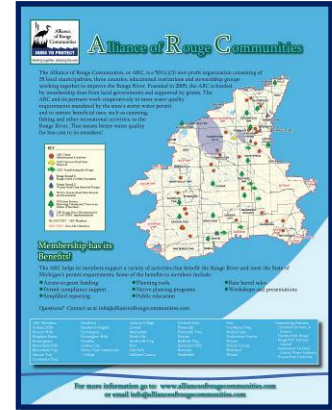
Staff developed a flyer to educate the general public about the ARC and its activities. These brochures were distributed to approximately 2,340 people at rain barrel sales, community events and community facilities, workshops, partner events.

ARC Member Brochure

Staff developed a member brochure that explains the ARC, member benefits, projects and committees. Over 200 brochures were distributed to communities.

Waterfront Wisdom Brochure

Staff developed a booklet for riparian homeowners in the Rouge River Watershed. The publication was originally published by the Oakland County Water Resources Commissioner's Office Environmental Team. 697 brochures were distributed to ARC members including Commerce Twp., Orchard Lake, Novi, Walled Lake, Redford Twp., Beverly Hills, Birmingham, Bloomfield Hills, Livonia, Franklin, Bloomfield Twp., and Washtenaw County.



Detention Pond Maintenance Manuals

130 Detention Pond Maintenance manuals were distributed to ARC including Commerce Twp., Walled Lake, Beverly Hills, Birmingham, Bloomfield Hills, Livonia, and Franklin.

Fish Float

Staff developed a floatable key ring with the slogan "Catch me on the Rouge River!" for the Wayne Road Dam Removal and River Restoration celebration event on June 7, 2013. 150 were key were distributed at the event and 250 more were distributed at rain barrel sales and community events.



Wayne Rd. Dam Removal Crystal

Staff developed a crystal award that was given to the 16 partners that were involved in the removal of the Wayne Rd. Dam and river restoration. ED staff saved pieces of the concrete when the dam was being removed. Staff glued the pieces onto the crystal award and it was inscribed with event title, date, funding source and the ARC logo. A card was attached that explained the importance of the piece of concrete and the project.

Seedlings

A total of 2,150 seedlings (Norway Spruce) were distributed at the following events:
Bloomfield Township Rain Barrel Sale, June 1, 2013 (100)
Canton Township Liberty Fest June 14-15, 2013 (850)
SumMore Fest, Southfield, August 6, 2013 (200)
Green Schools: (1,000)

Management and Distribution

Staff developed labels, tree planting instructions and packaged the seedlings for the above mentioned events. Staff designed and ordered materials and distributed materials to ARC members.

C. WEBSITE MAINTENANCE

Staff performed design, writing, editing and general maintenance of the ARC website (www.allianceofrougecommunities.com).

Articles or information published on the “Rouge in The News” section of the website or distributed to members through email in 2013 include:

- ◆ GLRI letter to the House and Senate appropriators in support of continued funding, October 22, 2013.
- ◆ Ask the Expert: New Federal Stormwater Rules - Why We Should Care (and Who's Going to Pay for It) article, by James W. Ridgway, Michigan Association of Counties eNewsletter, October, 2013.
- ◆ Rouge River Trail: Changing Course from Sewer to Scenic Waterway article, by Kurt Kuban, Streamside Journal, March 12, 2013.
- ◆ Where's the Concern: Week Five Great Lakes Echo, February 25, 2013.
- ◆ What Is the Future of Flow-Based Regulations? By Seth Brown, stormwater program and policy manager, Water Environment Federation, February 7, 2013.
- ◆ State Court of Appeals Rules City of Jackson's Stormwater Fee is Illegal, By Lisa Satayut, August 2, 2013, Mlive.com
- ◆ Delay on Release of Proposed EPA Stormwater Rule, June 11, 2013
- ◆ User-Fee-Funded WEF Stormwater Utilities publication and webinar, September 2013
- ◆ EPA Stormwater Rule Making Memo, December 17, 2013

Activities and events published on the “Activities and Events” section of the website or through email in 2013 include:

- ◆ FOTR frog & toad survey events
- ◆ Wayne County Conservation District spring tree & native plant sale
- ◆ FOTR spring bug hunt events
- ◆ FOTR Rouge Rescue
- ◆ FOTR Fundraising events
- ◆ FOTR native plant sales
- ◆ Grow zone maintenance workshops
- ◆ REP fall monitoring day
- ◆ FOTR fall bug hunt events
- ◆ FOTR winter stone fly events
- ◆ Inforum Luncheon with keynote Mark Tercek, CEO of The Nature Conservancy
- ◆ Facility dye testing by Wayne County
- ◆ IDEP Investigator Training Session
- ◆ SEMCOGs Green Infrastructure Visioning Session and Survey
- ◆ FOTR rain garden workshop
- ◆ 319 NPS Request for proposals
- ◆ Various state grant programs
- ◆ WEFTEC Session on Stormwater Policy: national Rulemaking
- ◆ Severstal Deaborn steelmaking facility tour – re-investment to make a dangerous, dirty job into a safe, clean foundation
- ◆ MWEA Green Infrastructure Seminar, December 2013

Documents that were added to the ARC website or emailed to members in 2013 include:

- ◆ Rouge Rescue Reports
- ◆ ARC Executive Directors 2012 Annual Report
- ◆ FOTR Spring Bug Hunt report
- ◆ FOTR Fall Bug Hunt report
- ◆ FOTR winter Stone Fly report
- ◆ FOTR 2013 Annual Report
- ◆ 2012 RREMAR
- ◆ RRAC Rouge River Watershed Great Lakes AOC Beneficial Use Impairment 2013 Report Card Presentation
- ◆ RRAC Rouge River Watershed Great Lakes AOC Beneficial Use Impairment 2013 Report Card
- ◆ SOCWA videos Turning Over a New (Old) Leaf and Naturescaping for the Rouge River
- ◆ Michigan Green Industry Associations' Healthy Lawn Care Program for Watershed Protection
- ◆ Revised Purchasing Policy
- ◆ Revised Pursuit and Acceptance of Grants, Subgrant Eligibility and Grant Management Policy
- ◆ Vendor Management Policy
- ◆ Ban on Texting While Driving Policy
- ◆ ARC Accounting Procedures Manual
- ◆ Outline of new MS4 Stormwater Permit Application
- ◆ Great Lakes Restoration Book
- ◆ 2012 ARC Green Schools Summary
- ◆ White Paper: Mechanisms for Funding Stormwater Management and ARC Membership beyond 2013
- ◆ Final report for the GLRI project Danvers Pond Dam Removal
- ◆ Final report for the GLRI project Transforming the Rouge
- ◆ Final report for the NOAA project Wayne Rd. Dam Removal and River Restoration

D. SEPTIC SYSTEM MAINTENANCE WORKSHOPS

Septic System Maintenance Workshop: 78 people participated in the ARC's septic system maintenance workshops held on May 6, 2013 in Southfield and May 8, 2013 in Farmington Hills. Presentations were made by Annette DeMaria who gave an overview of the work conducted under the CMI grant and Chris Strnad from the Oakland County Health Department who discussed the proper use of septic systems, dos and don'ts; proper installation of septic systems and how to tell if a septic system is failing. Participants who completed surveys said they found the workshops informative.

E. FRIENDS OF THE ROUGE WATERSHED STEWARDSHIP AND REPORTING

Workshops

FOTR worked with the ARC to present four (4) Native Landscaping for Homeowner workshops described above and to present a Grow Zone Maintenance Workshop described above.

This task also includes distribution of an e-newsletter by FOTR.

Annual Report

Strong partnerships are necessary to establish and enhance local and regional outreach with communities, other non-profits and governmental agencies to educate and inform the public about key issues within the Rouge River Watershed and change behaviors that directly affect the health of the

Rouge River Watershed. In the course of its work, FOTR promotes activities and attends a variety of local and regional meetings to build partnerships and promote Rouge River activities.

The Friends of the Rouge developed and generated an annual report of the activities it conducted in 2013 that assist ARC members to fulfill storm water permit requirements. The report includes the Frog and Toad Survey, Benthics Monitoring, Rouge Education Project (REP), River Restoration, and Rouge Rescue. Information includes meeting or event dates; workshop dates; number of volunteers attending each event; residency of volunteers, REP Schools, number of students per school, number of teachers per school, monitoring locations for each school; a list of dates, locations for REP workshops and a list of schools that participated. The Friends of the Rouge Annual Report outlining its 2013 events, locations and resident attendance by community is included as Friends of the Rouge Annual Report (Attachment A) and can be found on the ARC website at: <http://www.allianceofrougecommunities.com/PDFs/PI/2013FOTRARCFinalReport.pdf>.

TASK 4: TECHNICAL COMMITTEE TASKS

A. WATER QUALITY MONITORING ACTIVITIES

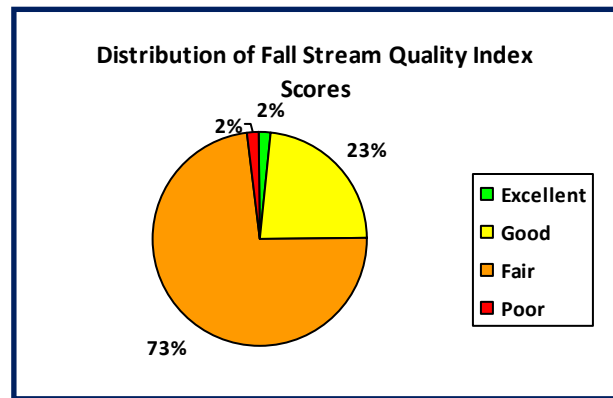
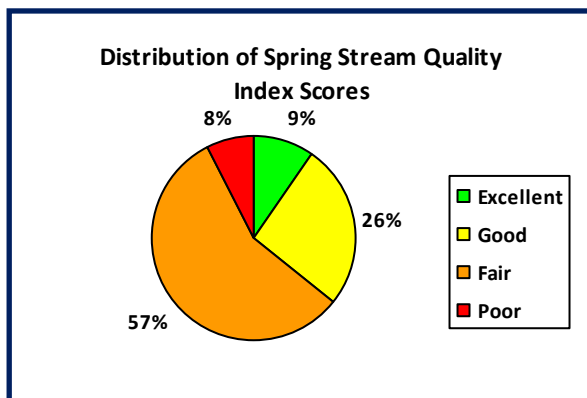
Water Quality Summary

The 2012 Rouge River Ecosystem Monitoring and Assessment Report, describing the results of the 2012 flow and DO data collection effort and an assessment of historic data trends, was completed by ED staff and is available at www.allianceofrougecommunities.com. In addition, all of the historic and 2012 monitoring data which was previously housed on CDM's server was provided to Wayne State University (WSU). WSU has agreed to support online access to the data. The WSU system replaces the Rouge's Web View online system. There is no current deadline for WSU to have the online system running. Data collected through 2011 can still be accessed at www.rougeriver.com/database.

ED Staff communicated with Wayne County and USGS regarding a major log jam identified by USGS on the Lower Branch near Plymouth Rd. in Detroit.

Macroinvertebrate Monitoring

Three macroinvertebrate monitoring events were led by Friends of the Rouge: Spring Stonefly Search (Jan 26th), Spring Bug Hunt (Apr 27th), and Fall Bug Hunt (Oct 19th). Stoneflies, which indicated good stream health, were found in 10 of 36 sites that were surveyed. Most sites surveyed for macroinvertebrates scored Fair for stream quality during both spring and fall conditions. The distribution of stream quality index scores is shown in the charts below. Data trend assessment results for the Fall and Spring sampling efforts can be found in the final reports for each event.



Deliverables:

Rouge River Ecosystem Monitoring and Assessment Report:

http://www.allianceofrougecommunities.com/PDFs/technical/2012_RREMAR_FINAL.pdf

2013 Frog & Toad Survey Results:

<http://www.allianceofrougecommunities.com/PDFs/PI/2013FToadSurvey.pdf>

2013 Friends of the Rouge Stonefly Report:

http://www.allianceofrougecommunities.com/PDFs/technical/2013_Stonefly_Search_Report.pdf

2013 Friends of the Rouge Spring Bug Hunt Report:

<http://www.allianceofrougecommunities.com/PDFs/general/2013%20Spring%20Bug%20Hunt%20Report%20Final.pdf>

2013 Friends of the Rouge Fall Bug Hunt Report:

<http://www.allianceofrougecommunities.com/PDFs/general/2013FallBugHuntReport.pdf>

B. STORM WATER REPORTING SYSTEM

During the second quarter of 2013 the ARC’s Reporting System off-site server crashed and backup data was damaged. ARC staff spent time rebuilding the backup to get it back online. It has limited use for individual community reporting given that it is not consistent with members’ SWPPIs. ARC staff had anticipated that members would simplify their SWPPI to be consistent with the reporting system, but that did not happen – perhaps due to concerns with the permit/contested case. It was decided by the ARC Technical Committee to take the Reporting System offline in the fall of 2013 due to the lack of interest and funding constraints. It can still be used in the future if the ARC decides to continue funding it.

C. IDEP INVESTIGATIONS AND TRAINING

Oakland County Investigations

Illicit discharge investigations were conducted in 2013 along three Oakland County storm drains: US-16, Law, and Fracassi. Investigations revealed likely or possible illicit sanitary connections at several locations. In some areas, the local communities were contacted to confirm and oversee correction of the illicit connections. In other areas, additional investigations are needed by the Oakland County Water Resources Commissioner (WRC) in order to narrow down potential illicit connections. The suspected problems and recommended follow-up actions are listed below.

Drain	Suspected Problem	Recommended Follow-up Actions
US-16	Likely illicit sanitary connections (unplugged or failed bulkheads) at several storm manholes along Shiawassee Rd.	City of Farmington to confirm results and inspect/plug/repair abandoned sanitary leads or overflows.
Law	Likely illicit sanitary connections from 5 homes along Vailwood Court	Bloomfield Twp to dye test homes to confirm results and oversee correction.
Law	Possible illicit sanitary connections along Wilshire Drive south of Vailwood Ct.	WRC to conduct a CCTV inspection between manhole 7926 and the outlet.
Law	Possible illicit sanitary connections along Sycamore Drive	WRC to conduct additional investigations along the length of the drain.
Fracassi	Possible illicit sanitary connections	WRC to conduct additional investigations along the length of the drain.

Wayne County Investigations

Wayne County conducted dye testing of 3 facilities in the City of Plymouth to determine if plumbing fixtures were properly connected to the sanitary sewer – no illicit connections or discharges were

found. An additional 14 commercial/industrial facilities were dye tested in Plymouth and Plymouth Township – no illicit connections or discharges were found.

Collaborative IDEP Plan

ED staff participated in Collaborative IDEP Plan Work Group held on Feb 21st and Apr 2nd. The Plan was further advanced by adding responsibilities for each activity. This plan is expected to be finalized in 2014.

Participation in IDEP Work Group

ED staff provided support to the Southeast Michigan IDEP Work Group which was organized in 2011. Support in 2013 included preparing and obtaining multiple agency approval on a Regional IDEP Training Plan which outlines the training schedule and responsibilities between Macomb, Oakland, St. Clair and Wayne counties, SEMCOG, the ARC, and ADW. ED staff also gathered a list of IDEP SOPs from the participants, created an outline of the IDEP section of the new permit, reviewed and commented on the agenda, and participated in meetings held on:

- ◆ February 19, 2013
- ◆ May 14, 2013
- ◆ August 23, 2013
- ◆ November 12, 2013

Training

The ED Staff updated slides, discussed speaking assignments and conducted an IDEP training for members on September 24, 2013 in Flat Rock with 56 people attending. A second IDEP training session was conducted on October 22 because the first session was over booked by 70 people. Forty-five people attended the second training which was held in Farmington Hills. The cost for the second training was split between the Rouge Grant and a donation made by the Washtenaw County Water Resource Commissioners office.

Deliverables:

Illicit Discharge Investigation of the US-16, Law and Fracassi Drains in Oakland County Final Report:
<http://www.allianceofrougecommunities.com/PDFs/technical/OCWRC2013IDEPReport.pdf> .

Regional IDEP Training Plan:

<http://www.allianceofrougecommunities.com/PDFs/technical/RegionalIDEPsigned.pdf>

ATTACHEMENT A

Friends of the ROUGE

Friends of the Rouge

Final Report for the Alliance of Rouge Communities

January 1, 2013 through December 31, 2013

**FRIENDS OF THE ROUGE
ANNUAL REPORT 2013
For the
ALLIANCE OF ROUGE COMMUNITIES**

Task 1: Rouge Education Project	Page 1-2
Task 2: Rouge Rescue	Page 3-4
Task 3: River Restoration	Page 5
Task 4: Benthic Macroinvertebrate Monitoring	Page 6
Task 5: Frog and Toad Survey	Page 7
Task 6: Fish Monitoring	Page 8
Task 7: Local and Regional Outreach	Page 9

**Friends of the Rouge
2013 Annual Report for ARC
ROUGE EDUCATION PROJECT**

Schools - Spring Monitoring 2013

	Community/School	# Teachers	# Students	Monitoring Location
1	Allen Park			
	Allen Park High School	1	31	Ford Field Park, Dearborn
	Intercity Baptist High School	1	20	Ford Field Park, Dearborn; Melvindale Civic Center
2	Beverly Hills			
	Detroit Country Day Middle School	4	302	School grounds
3	Bloomfield Hills			
	Birmingham Covington School	3	220	Linden Park, Birmingham
	Lincoln Street Alternative High School	1	24	Douglas Evans Nature Preserve, Beverly Hills
	West Maple Elementary School	5	95	Booth Park, Birmingham
4	Canton			
	Achieve Charter Academy	1	78	Plymouth Twp. Park, Plymouth
	Crescent Academy International	5	47	Morton Taylor and Michigan Avenue (Lower Rouge Recreation Trail)
	Tonda Elementary School	3	80	School grounds
5	Clawson			
	Clawson Middle School	1	120	Linden Park, Birmingham
6	Dearborn			
	West Village Academy	1	12	Wayne County Land Resource Management Building
7	Dearborn Heights			
	Crestwood High School	1	117	Parr Recreation Area, Dearborn Heights (Hines Park)
8	Detroit			
	Detroit Academy of Arts and Sciences	1	53	Helms Haven Recreation Area, Dearborn Heights (Hines Park)
	Ronald Brown Academy	1	30	Lola Valley Parkway, Redford
	Ludington Magnet Middle School	1	150	School grounds
	Clippert Academy	1	30	Bell Creek Park, Redford
9	Farmington Hills			
	Steppingstone School	3	35	Shiawassee Park, Farmington
10	Garden City			
	Garden City High School	3	33	Inkster Wetlands, Inkster
11	Harper Woods			
	Chandler Park Academy High School	2	33	Lola Valley Park, Redford
12	Livonia			
	Emerson Middle School	4	173	Bicentennial Park, Livonia
13	Plymouth			
	Plymouth High School	1	75	School grounds
14	Northville			
	Salem Elementary School	2	41	School grounds
15	Novi			
	Novi High School	1	30	Rotary Park, Novi
16	Redford			
	St. Valentine Catholic School	2	17	Bell Creek Park
17	Royal Oak			
	Oakland Schools Technical Campus Southeast	3	30	OCC Orchard Ridge Campus
18	Troy			
	Smith Middle School	1	20	Quarton Lake Park, Birmingham
	Troy High School	1	45	Coolidge Highway north of Long Lake Road, Troy
19	Walled Lake			
	Mary Helen Guest Elementary School	3	70	Ella Mae Power Park, Novi
20	Westland			
	Huron Valley Lutheran High School	1	25	Nankin Mills Recreation Area, Westland
21	Wyandotte			
	Roosevelt High School	2	32	Plymouth Twp. Park, Plymouth
	TOTALS	60	2068	

REP Workshops 2013

1	Returning Teacher Refresher Course- January 29, 2013; 6:00pm-8:00pm-Environmental Interpretive Center, UM-Dearborn
	Schools Attended:
	Achieve Charter Academy
	Chandler Park Academy High School
	Crescent Academy International
	Detroit Academy of Arts and Sciences
	Huron Valley Lutheran High School
	Oakland Schools Technical Campus Southeast
	Roosevelt High School
	Smith Middle School
	Troy High School

**Friends of the Rouge
2013 Annual Report for ARC
ROUGE EDUCATION PROJECT**

2	Teacher LaMotte Water Quality Monitoring Workshop - April 13, 2013 - 8:30am-4:00pm -Detroit Country Day Middle School, Beverly Hills
	Schools Attended:
	Allen Park High School Salem Elementary School
	Birmingham Covington School St. Valentine Catholic School
	Chandler Park Academy High School Steppingstone School
	Clawson Middle School West Maple Elementary School
	Crescent Academy International West Village Academy
	Lincoln Street Alternative High School
	Mary Helen Guest Elementary School
	Plymouth High School
	Universities Represented (College Student Assistants):
	Eastern Michigan University
	Henry Ford Community College
	Madonna University
	Oakland Community College
	Oakland University
	University of Michigan Dearborn
	Wayne State University

Lessons, Water Festivals, & Conferences - 2013

1	"Rouge in the Classroom" In-class Lessons
	MACROMANIA! An Introduction to Benthic Sampling
	January 17, 2013: Steppingstone School, Farmington Hills
	March 7, 2013: West Maple Elementary School, Bloomfield Hills
	Do You Know YOUR Watershed?
	April 22, 2013: Randolph Elementary School, Livonia
2	Water Festivals
	Rouge River Water Festival, Cranbrook Institute of Science - September 13, 2013
3	Conferences
	Great Lakes Place-based Education Conference - Grand Valley State University
	November 7-9, 2013
	Metropolitan Detroit Science Teachers Association/Detroit Area Council of Teachers of Mathematics (MDSTA/DACTM) Conference - Woodhaven High School
	November 16, 2013

Schools - Fall Monitoring 2013

	Community/School	# Teachers	# Students	Monitoring Location
1	Allen Park			
	Intercity Baptist High School	1	22	Ford Field Park, Dearborn; Goudy Park, Wayne
2	Bloomfield Hills			
	Birmingham Covington School	4	220	Linden Park, Birmingham
3	Dearborn			
	UM-Dearborn	1	20	Ford Field Park, Dearborn
4	Dearborn Heights			
	Crestwood High School	1	139	Parr Recreation Area, Dearborn Heights (Hines Park)
5	Farmington Hills			
	Steppingstone School	2	8	Shiawassee Park, Farmington
6	Harper Woods			
	Chandler Park Academy High School	2	17	Lola Valley Park, Redford
7	Royal Oak			
	Oakland Schools Technical Campus Southeast	2	11	OCC Orchard Ridge
8	Troy			
	Troy High School	1	44	Coolidge Highway north of Long Lake Road, Troy
	TOTALS	13	481	

**Friends of the Rouge
2013 Annual Report for ARC
ROUGE RESCUE**

Site Coordinator Events

Event	Location	City	Attendance
Rouge Rescue Kick-off Training	Livonia Civic Center Library	Livonia	20
Rouge Rescue Wrap-up Meeting	Environmental Interpretive Center, University of Michigan-Dearborn	Dearborn	16

Rouge Rescue Event

Rouge Rescue Site	Sponsoring Community or Organization	City/Twp/Village	2013 Participation
Douglas Evans Nature Preserve	Village of Beverly Hills	Beverly Hills	19
City Parking Lot #6	City of Birmingham	Birmingham	9
Cranbrook	Cranbrook Institute of Science	Bloomfield Hills	15
E.L. Johnson Nature Center	Charter Township of Bloomfield, E.L. Johnson Nature Center	Bloomfield	58
Lower Rouge Recreational Trail	Canton Township	Canton	244
Meadows of Canton	Meadows of Canton HOA, Wayne County Dept of Public Services	Canton	112
Rivers Edge	Rivers Edge HOA	Canton	16
Workman Elementary Habitat	Workman Elementary School	Canton	13
Henry Ford Community College	Henry Ford Community College	Dearborn	47
Garlic Mustard Pull Together	Henry Ford Estate, Stewardship Network, UM-D Environmental Interpretive Center	Dearborn	27
Ford Field Greenway Trail	Christ Episcopal Church	Dearborn	16
University of Michigan-Dearborn	UM-D Environmental Interpretive Center	Dearborn	19
Outer Drive at Hines	FOTR member	Dearborn Heights	Cancelled
Parkland Park	Dearborn Heights Watershed Stewards Commission	Dearborn Heights	37
Rouge Park Spring Cleanup	Friends of Rouge Park	Detroit	13
Eliza Howell Park	Friends of Eliza Howell Park	Detroit	2
Rouge Park	Friends of Rouge Park	Detroit	251
St. Paul of the Cross Retreat	St. Paul of the Cross Retreat	Detroit	24
Shiawassee Park	Friends of the Rouge	Farmington	10
Botsford Commons Community	Botsford Commons	Farmington Hills	15
Heritage Park	City of Farmington Hills	Farmington Hills	67
Oakland Community College Orchard Ridge	Oakland Community College	Farmington Hills	28
Canterbury Commons Subdivision	Canterbury Commons HOA	Farmington Hills	3
Bosch Builds Workday	Robert Bosch, LLC and Friends of the Rouge	Farmington Hills	9
Coventry Gardens Park	Coventry Gardens Improvement Assocation	Livonia	12
Moelke Park	City of Livonia	Livonia	25
Allen Drive Park	Northville Residents	Northville	18
Mill Race Village	Northville Historical Society	Northville	13
Bennett Arboretum	Commissioner Laura Cox	Northville Twp	50
Northville Twp Fire Station	Northville Township	Northville Twp	27
Rotary Park	City of Novi	Novi	68
Woods Drive Area of Hines Parkway	City of Plymouth	Plymouth	Cancelled due to weather
Pointe Park	Charter Township of Plymouth	Plymouth Twp	22
Bosch Builds Workday	Robert Bosch, LLC and Friends of the Rouge	Plymouth Twp	9
Lola Valley	Friends of the Rouge & the Charter Township of Redford	Redford Twp	38
Redford Chiropractic	Dr. Kim M. Zell	Redford Twp	22
Berberian Woods	Southfield Resident, Six Rivers Land Conservancy	Southfield	29
Beech Woods Recreation Center & Denso Corporate Campus	City of Southfield, Denso International America	Southfield	143
Kosch-Headwaters Preserve	Southeast Michigan Land Conservancy & Superior Land Conservancy Chapter & the Washtenaw County Parks and Rec Commission	Superior Twp	14
Goudy Park	Wayne Resident, City of Wayne	Wayne	129
Holliday Nature Preserve	Holliday Nature Preserve Association, City of Westland	Westland	58
TOTALS			1,731

**Friends of the Rouge
2013 Annual Report for ARC
ROUGE RESCUE**

Volunteer Residency

City/Township	Total Number of Volunteers
Allen Park	4
Ann Arbor	8
Auburn Hills	1
Belleville	8
Berkley	4
Beverly Hills	16
Bingham Farms	0
Birmingham	16
Bloomfield Hills	21
Bloomfield Twp	3
Birghton	2
Brownstown Twp	1
Canton	267
Clarkston	4
Clawson	6
Clinton Twp	4
Commerce Township	11
Dearborn	51
Dearborn Heights	45
Detroit	121
Farmington	28
Farmington Hills	77
Fenton	1
Ferndale	17
Flat Rock	1
Franklin	2
Garden City	13
Grosse Point Park	1
Harrison	1
Highland Park	1
Howell	2
Huntington Woods	2
Inkster	14
Keego Harbor	1
Lake Orion	1
Lincoln Park	3
Livonia	70
Marine City	1
Macomb	3

City/Township	Total Number of Volunteers
Madison Heights	2
Milford	12
New Hudson	4
Northville	64
Novi	66
Oak Park	10
Onsted	5
Oxford	1
Pleasant Ridge	1
Plymouth	41
Redford	50
Rochester Hills	1
Romulus	8
Roseville	1
Royal Oak	12
Saline	2
Shelby Twp	2
South Lyon	5
Southfield	25
Southgate	3
Sterling Heights	5
Superior Twp	7
Taylor	16
Trenton	1
Troy	5
Walled Lake	3
Warren	12
Waterford	8
Wayne	74
West Bloomfield	26
Westland	33
White Lake	1
Whitmore Lake	2
Wixom	2
Woodhaven	2
Wyandotte	3
Ypsilanti	9
Unknown	284

**Friends of the Rouge
2013 Annual Report for ARC
RIVER RESTORATION**

Events

Date	Event	City	Audience	Attendance
2/26/2013	Naturalizing the Home Garden: A Native Garden Design Workshop for Beginners	Canton	Watershed Homeowners	26
3/12/2013	Naturalizing the Home Garden: A Native Garden Design Workshop for Beginners	Bloomfield Hills	Watershed Homeowners	26
4/9/2013	Naturalizing the Home Garden: A Native Garden Design Workshop for Beginners	Dearborn	Watershed Homeowners	31
4/24/2013	Naturalizing the Home Garden: A Native Garden Design Workshop for Beginners	Farmington Hills	Watershed Homeowners	37
8/20/2013	Rain Garden Workshop	Northville Twp	Watershed Homeowners	38
9/26/2013	Grow Zone Maintenance Workshop	Westland	Grow Zone Partners (municipality, school, organization)	12
TOTALS				170

Restoration Projects

Date	Event	City	Location	Participation
7/18/2013	Newburgh Pointe Grow Zone Workday	Livonia	Newburgh Pointe Rec. Area	16
9/22/2013	Native Pollinator Planting	Superior Twp	Kosch-Headwaters Preserve	22
9/26/2013	Grow Zone Maintenance workshop	Westland	Nankin Mills	12
10/5/2013	Rain Garden Installation	Detroit	West Outer Drive campus of the Redford Aldersgate Church	36
10/29/2013	Rouge Park Workday	Detroit	Rouge Park	22
11/2/2013	LTU Workday	Southfield	Valley Woods Park	5
11/23/2013	Buckthorn Busting Workday	Redford	Lola Valley Park	17
TOTALS				130

Volunteer Residency

Events (Where applicable)

# Volunteers	City/Twp	# Volunteers	City/Twp
1	Armada	1	Grosse Pointe Woods
1	Beverly Hills	1	Howell
1	Birmingham	1	Huron Twp.
1	Bloomfield Hills	1	Inkster
1	Bloomfield Township	7	Livonia
2	Brighton	7	Northville
7	Canton	3	Novi
2	Clarkston	1	Plymouth
1	Clinton Twp.	1	Redford
10	Dearborn	1	Romulus
1	Dearborn Heights	1	Royal Oak
3	Detroit	3	Southfield
1	Farmington	1	Sylvan Lake
9	Farmington Hills	1	Trenton
1	Grosse Ile	1	Waterford
1	Grosse Pointe Park	5	Westland

Restoration Projects

# Volunteers	City/Twp	# Volunteers	City/Twp
3	Allen Park	1	Grosse Point Park
3	Ann Arbor	1	Howell
1	Brighton	4	Livonia
1	Chelsea	1	Milford
3	Dearborn	2	Northville
16	Dearborn Heights	4	Plymouth
13	Detroit	8	Redford
1	Dexter	1	Superior Twp
2	Farmington	4	Westland
1	Farmington Hills	3	Ypsilanti
1	Fraser		

**Friends of the Rouge
2013 Annual Report for ARC**

BENTHIC MACROINVERTEBRATE MONITORING

Event	Winter Stonefly Search	Spring Team Leader Training	Spring Bug Hunt	Spring Bug Identification	Fall Team Leader Training	Fall Bug Hunt	Fall Bug Identification
Date	1/26/2013	4/13/2013	4/27/2013	4/30/2013	9/7/2013	10/19/2013	10/28/2013
Time	9am-3pm	9am-2pm	9am-4pm	5-7pm	9am-2pm	9am-4pm	5-7pm
City/Township	Dearborn	Plymouth Twp	Dearborn	Dearborn	Plymouth Twp	Livonia	Dearborn
Location	UMD-EIC	Township Hall & Park	UMD-EIC	UMD-EIC	Township Hall & Park	Schoolcraft College	UMD-EIC
Attendee Residency							
Ann Arbor	6		1			1	
Allen Park						1	
Berkley	1		1			1	
Beverly Hills			12				
Bloomfield Twp						1	
Canton	3	1	11	3		3	
Charlotte						1	
Commerce Twp						4	
Dearborn	10	1	4	1		4	1
Dearborn Heights	1	1	1			1	
Detroit	4	1	2		2	7	
Farmington	1		2				
Farmington Hills	4		5			2	
Flint	1						
Garden City	2	1	2			2	
Grass Lake	1						
Highland						1	
Howell			2			1	
Huntington Woods	2				2	2	1
Lansing	1						
Lincoln Park	1						
Livonia	8		10			7	2
Northville	1	2				3	
Northville Twp	1						
Oak Park	1						
Plymouth	6	1	14	1	1	7	3
Redford	4		4	1	1	4	
Royal Oak	1						
Salem			5				
Saline	1						
Saint Clair Shores	1		1		1	1	
Southfield		1	1	1		1	1
Sterling Heights	2					1	
Taylor	1		1			1	
Troy	1	1	1				
West Bloomfield						2	
Westland	2		5			6	1
Willis	1						
Ypsilanti	5		1	1		2	2
Unknown	3	2	2			31	
TOTALS	77	12	88	8	7	98	11

**Friends of the Rouge
2013 Annual Report for ARC
FROG AND TOAD SURVEY**

Training Workshop Date	3/2/2013	3/5/2013	3/9/2013	3/13/2013	Veteran Surveyors and additional team members who did not attend a workshop
Time	10am-12pm	7-9pm	10am-12pm	7pm-9pm	
City/Township	Northville	Canton	Farmington Hills	Bloomfield Twp	
Location	Township Hall	Summit on the Park	Council Chambers	EL Johnson Nature Ctr	
Attendee Residency					
Ann Arbor		1			
Belleville					1
Beverly Hills	2			5	3
Birmingham				2	3
Bloomfield Hills	2		1	3	15
Bloomfield Twp				1	5
Bloomfield Village					2
Brighton	2				
Canton	2	27	3	2	39
Clarkston				3	
Commerce Twp	2			1	3
Dearborn	2	10		2	17
Dearborn Heights	2	3	1	1	2
Detroit	1	2	2		
Eastpointe	1				
Farmington		2	6	1	3
Farmington Hills			6		4
Ferndale				1	
Garden City			1	1	
Lincoln Park	1				
Livonia	14	3	5	2	20
Melvindale					2
Northville	16	4	1		22
Novi			1	1	6
Oak Park					3
Plymouth	4	2	1		16
Redford	1		1		1
Rochester			1		
Rochester Hills				1	1
Romulus					1
Royal Oak				1	
Saint Clair Shores	4				
Southfield			1	3	4
Sterling Heights					1
Troy				1	5
Union Lake					2
Washington	2				
Wayne		1		1	3
West Bloomfield				3	1
Westland	7				2
Wolverine Lake				1	
Ypsilanti		4	2		
Unknown	2			4	1
TOTALS	67	59	33	41	188

2013 Blocks Surveyed	
Subwatershed	# blocks surveyed
Main 1-2	39
Upper	23
Middle 1	61
Lower 1	30
Lower 2	11
Middle 3	11
Main 3-4	11
TOTAL	186

**Friends of the Rouge
2013 Annual Report for ARC
FISH MONITORING**

Date	5/10	5/11	5/17	5/18	5/31	6/1	6/7	6/21	6/22	8/2	8/3	8/9	8/10	9/6	9/7	9/13	9/14	9/20	9/27
City/Township	Superior Twp	Canton	Plymouth	Plymouth	Canton, Wayne	Superior Twp	Wayne, Inkster	Dearborn	Canton	Wayne	Wayne	Canton	Canton	Canton, Wayne	Inkster, Dearborn	Canton, Plymouth	Plymouth	Superior Twp	Canton
Residency																			
Ann Arbor							1												
Allen Park								1			1								
Canton	1	1	1		1		1		1					1	1				
Dearborn	1		1				1												
Dearborn Heights	1		1		1		2	1		2		1		1	1		1	1	
Detroit					1														
Farmington Hills				1									1						
Fenton																	1		
Livonia				1	1						1		1						
Plymouth				1	2			1	1	1					1		1		
Redford	1			1								1		1					
Royal Oak	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sterling Heights	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
West Bloomfield													1						
Westland											1	1		1		1	1	1	1
White Lake				1							1								
Ypsilanti		2																	
Unknown							1									1	1	1	
TOTALS	6	5	5	7	8	2	8	5	4	5	6	5	5	6	5	4	7	5	3

Friends of the Rouge
2013 Annual Report for ARC
LOCAL AND REGIONAL OUTREACH

Date	Event/Meeting Name	Location	FOTR Staff	Display	Participation	Presentation
1/23/2013	Advised Manresa Jesuit Retreat Center about bank stabilization and native plantings	Bloomfield Hills	CR		Y	
1/28/2013	WHC Huron to Erie Waterways for Wildlife meeting	Dearborn	CR		Y	
1/29/2013	ARC Green Infrastructure Work Group Meeting	Dearborn	CR		Y	
2/6/2013	SEMCOG Partners for Clean Water		CR		Y	
2/11/2013	SOCWA Naturesscaping Workshop		CR	Y		
2/19/2013	LTU Green Infrastructure Advisor Board Meeting	Detroit	CR		Y	
2/20/2013	Stewardship Network Roundtable Discussion	Detroit	CR		Y	
2/25/2013	WHC Huron to Erie Waterways for Wildlife meeting		CR		Y	
3/2/2013	Quiet Water Symposium	Lansing	volunteer		Y	
3/7/2013	ARC PIE Meeting		CR		Y	
3/20/2013	Meeting with Botsford Commons	Farmington Hills	CR		Y	
3/23/2013	Rain Garden Presentation, Sierra Club's Green Your Neighborhood Event	Detroit	CR	Y	Y	Y
4/3/2013	WHC Huron to Erie Waterways for Wildlife Habitat Celebration	Southfield	CR		Y	Y
4/5/2013	Meeting with Bosch	Farmington Hills	CR, SP		Y	
4/22/2013	Earth Day Event	Farmington Hills	CR	Y	Y	
5/2/2013	UM-D Water Festival	Dearborn	CR, SP		Y	Y
5/10/2013	Meeting with Dearborn Condo Association	Dearborn	CR		Y	
5/18/2013	Native Plant Promotion during Eastern Market Flower Day Weekend	Detroit	SP	Y	Y	
5/19/2013	Native Plant Promotion during Eastern Market Flower Day Weekend	Detroit	SP	Y	Y	
6/21/2013	ARC Green Infrastructure Work Group Meeting	Dearborn	CR		Y	
7/13/2013	Gardening in Harmony with Nature	Bloomfield Hills	CR	Y		Y
8/6/2013	Wayne County Green Infrastructure Visioning event with the public, SEMCOG	Dearborn	CR		Y	
8/13/2013	Advising, Sustainability House, Greater Woodward CDC	Detroit	CR		Y	
8/21/2013	Fort Street Coalition	Dearborn	SP		Y	
8/22/2013	Rouge-a-palooza planning	Wayne	SP		Y	
8/28/2013	Took UM-D professor and student up the Main Rouge	Dearborn	SP		Y	
9/2/2013	Stahelin Street Rain Garden Project, homeowner support	Detroit	CR		Y	
9/7/2013	Rain Garden Presentation, Sierra Club's Green Your Neighborhood Event	Detroit	CR	Y	Y	Y
9/13/2013	Rouge River Water Festival	Bloomfield Hills	CB, EC	Y	Y	Y
9/21/2013	Fall for Novi Event & plant sale	Novi	CR	Y	Y	
9/21/2013	Main Stem Public Kayak Tour	Melvindale to River Rouge	SP		Y	Y
9/25/2013	Water Trail Planning Meeting	Dearborn	SP		Y	
10/1/2013	Rouge River Presentation and streambank stabilization planting tour for Northville Garden Club	Northville	CR	Y	Y	Y
10/4/2013	Stormwater Summit	Southfield	CR		Y	
10/12/2013	Lower Branch Public Canoe Trip, Rouge-a-palooza	Wayne	SP, CR, KH, EC, CB	Y	Y	
10/16/2013	Fort Street Coalition	Dearborn	SP		Y	
10/17/2013	Tree planting in Rouge Park	Detroit	SP		Y	Y
10/17/2013	FOTR Green School presentation	Bloomfield Hills	CB		Y	Y
10/18/2013	Great Lakes Restoration Celebration	Dearborn	SP, CR, KH	Y	Y	Y
10/29/2013	WHC Huron to Erie Waterways for Wildlife Program meeting	Waterford	CR		Y	
11/5/2013	Meeting about Water Trail	Dearborn	SP		Y	
11/14/2013	Water Trail Asset & Needs Inventory	Canton	SP		Y	
11/15/2013	Fort Street Coalition	Dearborn	SP		Y	
11/20/2013	SEMCOG Green Infrastructure Visioning Task Force Meeting	Detroit	CR		Y	
12/3/2013	Water Trail Asset & Needs Inventory	Wayne, Inkster	SP		Y	
12/4/2013	Water Trail Asset & Needs Inventory	Dearborn	SP		Y	
12/5/2013	Fort Street Coalition - tour of 48217	Detroit	SP		Y	
12/9/2013	Water Trail Asset & Needs Inventory	Melvindale to River Rouge	SP		Y	
12/18/2013	Fort Street Coalition	Dearborn	SP		Y	