



Alliance
of Rouge
Communities

OURS TO PROTECT

Working together, restoring the river

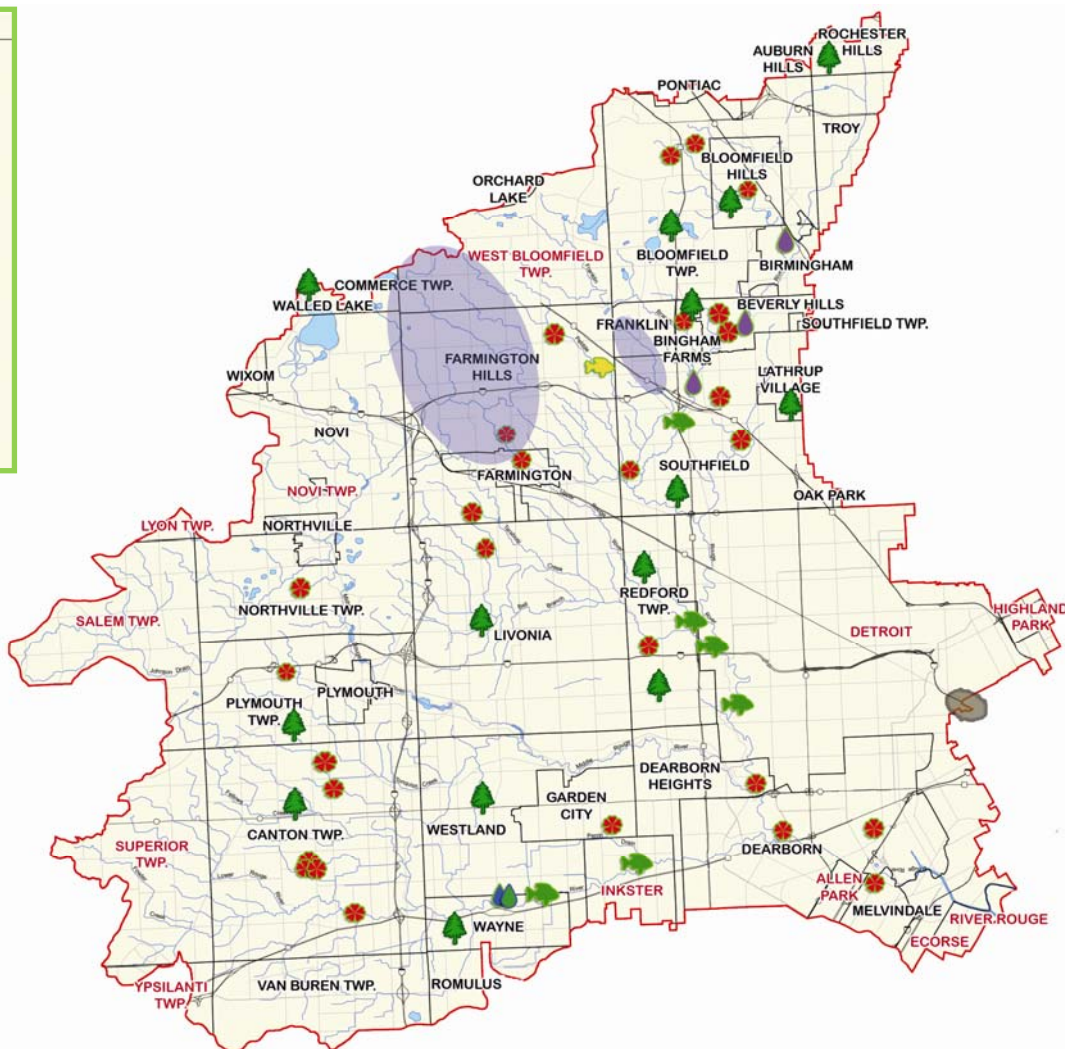
Executive Director 2012 Annual Report

KEY

-  ARC Green Infrastructure Locations
-  GLRI Danvers Pond Dam Removal
-  GLRI Transforming the Rouge
-  Rouge Round X Rouge Green Corridor Locations
-  Rouge Round X Wayne Road Dam Removal Design
-  NOAA Wayne Road Dam Removal and Restoration
-  US Forest Service Restoring Community Trees in an Urban Watershed
-  CMI Rouge River Monitoring for E. coli TMDL Implementation
-  Erb Foundation Lower Rouge River Main Channel Remedial Investigation & Feasibility Study

BLACK TEXT - ARC Members

RED TEXT - Non ARC Members



Submitted by:

ECT
Environmental Consulting & Technology, Inc.

719 Griswold, Suite 820, Detroit, MI 48226

March 2013

EXECUTIVE DIRECTOR 2012 ANNUAL REPORT

The 2012 ARC Executive Director's Annual Report discusses all of the activities conducted by the Alliance of Rouge Communities in 2012, 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. If you need any other ARC-related information for your annual report, please contact Zachare Ball at zball@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. Alliance of Rouge Communities meetings were held on:

April 17, 2012, Canton Township

Gary Crawford, ARC staff, gave a presentation about the controlled burns conducted by the ARC at Valley Woods Nature Preserve in Southfield and Eliza Howell and Rouge parks in Detroit. The controlled burns were conducted under the Great Lakes Restoration Initiative grant: Transforming the Rouge AOC from Mowed Down to Grown Up.



Controlled burn

July 25, 2012, City of Farmington Hills

ARC Executive Director Jim Ridgway announced that the Rouge River Watershed Management Plan was approved by MDEQ. He noted that construction began that week on the Wayne Road Dam removal project.



Restored Wayne Road Dam in Wayne

November 7, 2012, City of Novi

ARC Chair Gary Mekjian reviewed the outcome of the Executive Director Services RFP Review Committee – Engineering Services. He said the Executive Committee has forwarded the recommendation that the Executive Director Services contract be awarded to Environmental Consulting & Technology, Inc. He also reviewed the options for future ARC grants that require engineering services to include three other consulting groups and ECT that were procured to perform grant-related work for the ARC. ARC Treasurer discussed the 2011 A133 Audit results which showed no instances of noncompliance and no significant deficiencies.

The 2013 ARC budget of \$1,474,508 was approved. The budget includes the following line items:

Executive Director Services:	\$ 178,421
Finance Committee:	21,000
PIE Committee:	100,250
Technical Committee:	227,900
GLRI Grants:	167,000
U.S. Forest Service:	187,490
CMI:	5,472
NOAA:	491,768
SPAC:	25,207
Erb Foundation	70,000
Total:	\$1,474,508

Full ARC meeting summaries can be found at:

<http://www.allianceofrougecommunities.com/arcmeetings.html> .

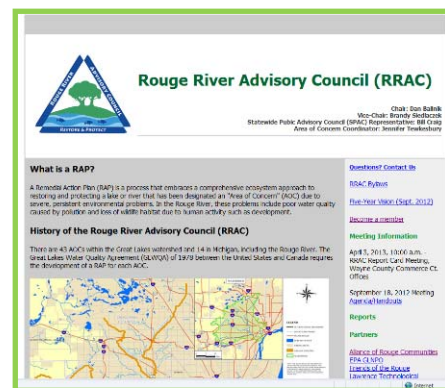
B. EXECUTIVE COMMITTEE

Staff support was provided for four (4) Executive Committee meetings. 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 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 at Farmington Hills City Hall on the following dates:

March 29, 2012

Executive Director Jim Ridgway discussed the outstanding grant projects being conducted by the ARC, and outlined the 2012 grant applications submitted thus far. They are: NOAA Fisheries program to design fish passage for the Henry Ford Estate Dam and the Great Lakes Commission Public Advisory Council program to facilitate the Rouge River Advisory Council, develop a RRAC web page and develop a Lower Rouge Delisting Strategy and a Rouge River Report Card update. MDEQ contacted the ARC to say it had finished its review of the ARC's revisions to the WMP and a letter outlining MDEQ's comments will be forthcoming. In general, MDEQ agrees with the ARC's four priority pollutants (E. coli, TSS, Nutrients and Volume) and thinks we did a good job of outlining



the critical areas for those pollutants in the watershed. MDEQ will ask that the ARC do a better job of linking projects to pollutant critical areas and prioritize and better describe the list of “wish list” projects.

June 19, 2012

Executive Director J. Ridgway reported that the Watershed Management Plan revisions requested by MDEQ will be completed by June 25. MDEQ has informed the ARC Staff that they will have it approved in time for 2012 319 funding. A grant project update was presented and J. Ridgway reported that the ARC received funding through the Erb Foundation in the amount of \$150,000 to fund the ARC oversight of the Legacy proposal/project.

October 4, 2012

Executive Director J. Ridgway reported that the new permit storm water permit is supposed to be out in two weeks. The MDEQ did not include ARC comments. He said the ARC Staff will continue to work with SEMCOG and MWEA on this issue. The Federal storm water permit comes out in 2013 and includes numeric limits, and storm water requirements placed on the combined areas. The Executive Committee went into closed session to review the proposals submitted for the ARC Executive Director Services. After discussion, the motion was made by Ramzi El-Gharib to recommend to the Full ARC the approval of the Executive Director Services contract with ECT as presented by the RFP Review Committee. The motion was seconded by Kevin Buford and passed. Kelly Cave reported that the Organization Committee worked very hard to finalize the changes to the Bylaws and she commended all involved. Kelly Cave reviewed the document that was passed out that explained the major changes in the document. A recommendation was made to take to the full ARC the following slate of officers 2013-15: ARC Chair: Kevin Buford, City of Westland; Vice-Chair: Jim Murray, City of Dearborn, and Treasurer: Brandy Siedlaczek, City of Southfield. Additionally, nominations will be taken from the floor during the full ARC meeting.

October 30, 2012

The Executive Committee recommended that the 2013 ARC Budget of \$1,474,508 be forward to the full ARC for approval. The Executive Committee reviewed three engineering services options and recommended they be forwarded to the Full ARC for approval and forwarded to the Organization Committee to be incorporated into a revision of the Purchasing Policy. The Executive Committee recommended that the approval of the 2011 A133 Audit and Financial Statement as presented by the Finance Committee be accepted by the ARC.

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

C. ORGANIZATION COMMITTEE

The Organization Committee continued to update the ARC bylaws in 2012 and forwarded the updated bylaws to the Executive Committee and ARC for approval. Additionally, the committee reviewed and recommended ARC Cooperating and Associate members. The Full ARC approved

the request by the Rouge River Advisory Council (RRAC) to become a Cooperating Partner of the ARC. The Organization Committee created a Membership Policy, a Grant Eligibility Requirements Policy and a Nondiscrimination in Programs and Activities Policy that were adopted by the Full ARC in 2012. The Organization Committee met on the following dates at Wayne County's Commerce Court office in Wayne:

- ◆ January 10, 2012
- ◆ February 21, 2012
- ◆ September 18, 2012
- ◆ November 27, 2012

D. PUBLIC INVOLVEMENT AND EDUCATION (PIE) COMMITTEE

Staff support was provided for three (3) regular meetings and one (1) meeting by conference call, 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:

- ◆ February 28, 2012, Southfield
- ◆ June 12, 2012, Detroit
- ◆ July 12, 2012, Beverly Hills

Two PIE Committee budget meetings were held: one on August 2, 2012 at the City of Southfield and by conference call with the PIE Committee on October 10, 2012.

Specific PIE Committee activities are listed under Task 3.

E. TECHNICAL COMMITTEE

Staff support was provided for four (4) regular committee meetings and 13 subcommittee 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. Technical Committee Meetings were held on the following dates:

- ◆ April 12, 2012
- ◆ July 16, 2012
- ◆ August 16, 2012
- ◆ November 1, 2012

Additional special subcommittee meetings were held. They were:

- ◆ Southeast Michigan IDEP Work Group: January 18, April 18, July 17, 2012
- ◆ IDEP Scoping meeting with Farmington Hills and OCWRC: January 2012
- ◆ IDEP Funding Subcommittee: May 9 and July 19, 2012
- ◆ Online Storm Water Reporting System Training sessions: July 13, 2012
- ◆ Johnson Creek Priority Projects meetings: August 18 and September 13, 2012
- ◆ Meeting with WSU to discuss their potential interest in taking over the Rouge WebView database: November 6, 2012
- ◆ IDEP Investigator training presentation edits: November 16, 2012

- ◆ Meeting with PIE and TC chairs to discuss the new permit application and potential collaborative efforts: November 27, 2012
- ◆ IDEP Collaborative Plan edits: December 19, 2012

Specific Technical Committee activities are listed under Task 4.

F. SUBWATERSHED ADVISORY GROUPS (SWAGS)

Staff conducted an Upper SWAG meeting on January 25, 2012 at the City of Livonia DPW offices to present the Upper Subwatershed Delisting Strategy and map developed through an RRAC/ARC grant.

In order to conduct ranking of community grants under the 2012 Rouge Program Office Round Round XI grants, staff made arrangements to facilitate the SWAGs ranking the grants, including compiling one-page fact sheets on every grant submittal and answering questions from communities. Staff facilitated the Main 1-2/Upper SWAGs meeting in Southfield on June 5, 2012. Staff conducted Round XI grant rankings electronically with the Main 3-4, Middle 1, Middle 3, Lower 1 and Lower 2 SWAGs during the week of June 4, 2012. Staff drafted letters for the SWAG chairs outlining the results of the SWAG ranking of grants for transmittal to Wayne County.

G. FINANCE COMMITTEE

ECT worked with the Finance Committee to develop and administer the annual budget and work plan. ECT prepared monthly financial reports, mailed dues invoices to members, collected dues and paid the ARC's bills. ECT 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 Livonia DPW offices on the following dates:

- ◆ March 7, 2012
- ◆ June 18, 2012
- ◆ October 17, 2012

H. ADMINISTRATIVE OVERSIGHT/ONGOING SUPPORT SERVICES

ECT provided ongoing support services to the above committees and SWAGs 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 2012.

B. ROUTINE DISTRIBUTION OF MATERIALS

Materials distributed in 2012 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 MDNRE, watershed management planning documents and flyers for upcoming events.

C. ADVOCATE FOR ROUGE RIVER WATERSHED & PRIMARY LIAISON

ECT 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. ECT served as the ARC primary liaison to 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 activities:

Statewide Public Advisory Council (SPAC)

The Executive Director's staff attended the Statewide Public Advisory Committee meeting in Lansing on February 10, 2012 and the Great Lakes Commission Statewide Public Advisory Committee (SPAC) meeting and workshop in Higgins Lake on May 30-31, 2012.

Great Lakes Day

The Executive Director attended the Great Lakes Days in Washington D.C. February 28-29 to discuss Great Lakes funding with Michigan congressional leaders.

Membership

The Executive Director prepared for and held several meetings with the Detroit Water and Sewerage Department in February regarding membership in the ARC.

Rouge River Watershed Management Plan (WMP)

The Executive Director and staff met with MDEQ on May 16, 2012 in Warren to discuss the WMP revisions.

Storm Water Permit Activities

The Executive Director and staff attended the EPA's integrated permit workshop in Chicago for wastewater and storm water NPDES permits on February 17, 2012.

The Executive Director attended the MS4 Stakeholder's Group meeting in Lansing on June 14 and October 1, 2012

The Executive Director researched storm water financing options for the ARC.
The Executive Director provided comments on the proposed MDEQ permit.

Partnership Activities

The Executive Director met with the Office of the Great Lakes Director in Lansing on May 9, 2012 to discuss the Alliance of Rouge Communities.

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, SEMCOG, Oakland County Planning and Economic Development/Six Rivers Land Conservancy and the Gateway Partnership.

Outreach Activities

ARC Staff attended Detroit Green Task Force Water Subcommittee: June 14, August 2, August 30, October 10 & 24, 2012.

Member Requests

The Executive Director and staff responded to individual inquiries from Walled Lake and Dearborn.

Healing Our Waters /AOC Great Lakes Conference

Staff attended the Healing our Waters/AOC Great Lakes conference in Cleveland, Ohio on September 12-13, 2012.

D. QUICK BOOKS MONTHLY TRACKING AND REPORTING

The ARC ED staff performs the ARC's financial responsibilities, including Quickbooks, dues collection, bill payments, grant reimbursement submittals, audit preparations and other financial activities. The 2011 financial audit was completed on August 21, 2012.

E. ADMINISTRATIVE OVERSIGHT & CONTRACTOR MANAGEMENT

ECT 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

Great Lakes Restoration Initiative/NOAA Grants

ARC Staff manned an ARC display and distributed ARC materials at the MWEA conference in Lansing on March 28, 2012.

Channel 4 (WDIV) reported on the controlled burn at Valley Woods Nature Preserve and the *Detroit Free Press* covered the controlled burns at Rouge and Eliza Howell parks in Detroit in April, 2012.

Staff drafted a press release regarding the NOAA award to the ARC for the removal of Wayne Road Dam.

ARC Staff participated in a May 15, 2012 *Detroit Free Press* article about the Wayne Road Dam removal.

G. ANNUAL REPORT

The 2011 ARC annual report was completed and submitted to the ARC in March, 2012.

H. GRANT APPLICATIONS

The Executive Director staff applied for the following grants in 2012 on behalf of the Alliance of Rouge Communities:

- NOAA Fish and Wildlife Habitat Grant for the Henry Ford Estate Fish Passage Design (\$350,000). The ARC was not awarded this grant.
- Statewide Public Advisory Council Grant (Great Lakes Commission) to complete the Lower Rouge Delisting Strategy; update the Rouge Report Card and facilitate the Rouge River Advisory Council (\$50,207.) The ARC was awarded this grant.
- Erb Family Foundation for a capacity building grant to fund the ARC's oversight of the Legacy Project in the Main Branch. The EPA will do the feasibility study and cost. (\$150,000) The ARC was awarded this grant.

TASK 3: PIE COMMITTEE TASKS

A. GREEN INFRASTRUCTURE CAMPAIGN

Grow Zone Program

The ARC PIE Committee working with Friends of the Rouge held a workshop for municipally-owned golf courses on February 23, 2012 at Glen Oaks Golf Course. Attendees were eligible to participate in the ARC Grow Zone Program. The ARC received three applications from ARC member golf courses, however only two communities agree to participate - Farmington Hills Golf Club and Evergreen Hills Golf Course in Southfield. ARC staff provided design, plant material and signage for both projects.

Grow Zone Program Analysis

ARC Staff and Wayne County staff visited ARC grow zones installed from 2009-11 and met with community reps to discuss any issues and maintenance. Staff visited E.L. Johnson and Bingham Farms sites on May 22, 2012. Staff visited ARC grow zones June 5-6, 2012 at Bicentennial Park in Livonia; Founders Sports Park, Heritage Park and Glen Oaks Golf Club in Farmington Hills and Riverside Park in Beverly Hills. Staff visited ARC grow zones in Plymouth Township, Northville Township, Southfield (Birney Elementary School) and Jane Addams School (Redford Township) on June 26, 2012.



Evergreen Hills Golf Course Green Infrastructure Design in Southfield

Staff made site visits to the following grow zone sites on August 14, August 23 and August 27, 2012: Henry Ford Community College, Cleveland Elementary School in Livonia; Bloomfield Hills; Lawrence Tech University in Southfield; Parkland Park in Dearborn Heights; Melvindale, and sites in Canton.

Volunteer Work Day:

Wayne County Water Quality Management Division staff planned and implemented a workday at Bennett Arboretum and Northville Recreation Area along Hines Drive in Northville on May 12, 2012. Over 50 volunteers from Ladywood High School Environmental Club; several Wayne County Master Gardeners; and Wayne County residents participated. The volunteers also hauled five yards of cedar mulch and placed it around the trees, kiosks, signs and native plant demonstration garden. A total of fifty-two (52) garbage bags of invasive species were collected and reported to the Stewardship Network's 2012 Garlic Mustard Challenge.



Grown zone site in Bloomfield Hills

Workshops

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

Naturalizing Municipal Golf Courses in the Rouge River Watershed, 8:30-10:30 a.m. February 23, 2012, at Glen Oaks Golf Course in Farmington Hills

Representatives from six ARC member communities attended this workshop to learn about naturalizing golf courses and to become eligible to participate in the ARC grow zone program.

Naturalizing the Home Garden: A Native Design Workshop for Beginners, 6-8 p.m. April 17, 2012, Southfield Public Library

More than 30 people attended this workshop to get hands-on experience from experts about how to design a small native garden at their homes.

ARC Grow Zone Maintenance Workshop, 11 a.m.-2 p.m., August 29, 2012, E.L. Johnson Nature Center, Bloomfield Twp.

18 people participated in 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.



Grow Zone Maintenance Workshop

2012 Rain Barrel/Compost Bin Sales

Two rain barrel sales were held in Livonia to sell the ARC's inventory of rain barrels. Three more rain barrel sales were held in conjunction with Great Lakes Rain Barrel in Farmington Hills, Lathrup Village and Novi.

Dates, locations and number of participating residents are below.

- ◆ April 21, 2012 in Livonia, 156 people bought 214 rain barrels and 72 compost bins.
- ◆ May 19, 2012 in Livonia, 38 people bought 62 rain barrels and 13 compost bins.
- ◆ June 16, 2012 in Farmington Hills, 169 rain barrels were sold.
- ◆ June 17, 2012 in Lathrup Village, 107 rain barrels were sold.
- ◆ September 22, 2012 in Novi, 20 rain barrels were sold and five compost bins were sold.

A total of 572 rain barrels and 90 compost bins were sold at 2012 events. Another 52 rain barrels and six compost bins were sold individually at Livonia DPW.

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. You can receive the Green School designation can be achieved by successfully participating 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 75 trees for schools registered in the Green Schools program in 2012.

COMMUNITY	TOTAL RAIN BARRELS SOLD THROUGH 2012
Allen Park	15
Auburn Hills	1
Beverly Hills	25
Birmingham	55
Bloomfield Hills	14
Bloomfield Township	32
Canton	169
Commerce	11
Dearborn	95
Dearborn Heights	112
Detroit	41
Farmington	40
Farmington Hills	210
Franklin	2
Garden City	139
Highland Park	6
Inkster	10
Lathrup Village	43
Livonia	452
Melvindale	8
Northville	28
Novi	37
Oak Park	7
Plymouth	64
Redford	256
Rochester Hills	105
Romulus	12
Southfield	199
Troy	348
Wayne	39
West Bloomfield	10
Westland	355
Wixom	1
Non-Rouge Communities	539
Other	110
TOTAL	3590



As part of the ARC 2012 Green Infrastructure Education Campaign, Wayne County's Water Quality Management Division (WQMD) coordinated the purchase of trees for each of the recognized Michigan Green Schools in the Rouge River Watershed. The tree species offered were all native to Michigan and included eastern redbud, basswood, tulip tree and sugar maple. The trees were 1.5 inch caliper and depending on the variety, 5'-8' in height. Wayne County offered trees to 75 recognized schools within the Wayne County portion of the Rouge watershed and Oakland County offered trees to 101 schools. Of the 75 Wayne County schools, 29 schools (39%) accepted the offer. 11 of these schools accepted two or more trees. Of Oakland County's 101 qualified schools, 30 schools (30%) accepted the offer, each school took one tree.

The Alliance of Rouge Communities (ARC) also provided white pine seedlings to 20 classes in 14 of the green schools. The seedlings were separated into packs of 30 and information that included planting instructions, the *Value of Trees flyer*, Rouge River bookmark and information on registering the tree through the ARC's website.

The list of Rouge River Watershed Green Schools is available on the ARC website at: <http://www.allianceofrougecommunities.com/PDFs/PI/ARCGreenSchoolSummary.pdf>.

B. PUBLIC ED MATERIALS

Bookmarks

ARC staff developed bookmarks to publicize the ARC and promote Rouge Friendly tips to the public. They were distributed to the following entities:

40 ARC member communities and agencies (450)

26 ARC member community events (2,440)

Green Schools (1,000)

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 2,100 clips were distributed at rain barrel sales in Livonia, Farmington Hills, Lathrup Village, and Novi and other community events.

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 2,295 people at rain barrel sales, community events and community facilities.

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.

Detention Pond Maintenance Manuals

180 Detention Pond Maintenance manuals were distributed to ARC members Redford Township, Commerce Township, City of Wayne, Henry Ford Community College and Washtenaw County.

Seedlings

A total of 2,180 seedlings (White Pine or Norway Spruce) were distributed at the following events:

Livonia Rain Barrel sale, April 21, 2012 (150)

Rouge Park Seeding, April 17-18, 2012 (70)

Livonia Rain Barrel sale, May 19, 2012 (130)

Farmington Hills and Lathrup Village Rain Barrel Sales, June 16-17, 2012 (350)

SumMore Fest, Southfield, August 8, 2012 (200)

Wayne County HHW Drop-off, Westland Mall, August 25, 2012 (500)

EL Johnson Nature Center, Bloomfield Twp., Family Fun Day, September 22, 2012 (180)

Green Schools: (600)

To date, 158 trees have been registered on the ARC Website.

Management and Distribution

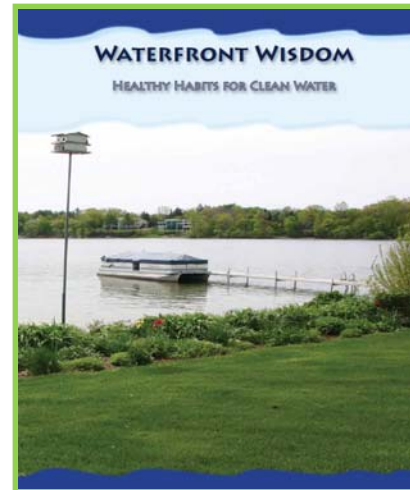
Staff developed labels, tree planting instructions and packaged the seedlings for the abovementioned events. Staff designed and ordered materials and distributed materials to ARC members.

C. WEBSITE MAINTENANCE

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

Articles published on the "Rouge In The News" section of the website in 2012 include:

- ◆ Fiscal cliff could dump sewage into Great Lakes, Great Lakes Echo, December 11, 2012
- ◆ MEMO – WEF's Current Understanding of the Stormwater Rulemaking, November 8, 2012



Waterfront Wisdom Brochure



Seedling giveaway at HHW drop-off event in Westland

- ◆ Rouge River Watershed, Michigan - A Case Study of How Green Infrastructure is Helping Manage Urban Stormwater Challenges
- ◆ Canoe Trips Offered Saturday Along the Rouge River in Wayne Detroit Free Press, October 12, 2012
- ◆ Fire set to Kill Plants Foreign to Michigan, Click on Detroit Channel 4 video, April 6, 2012

Activities and events published on the “Activities and Events” section of the website in 2012 include:

- ◆ FOTR Frog & Toad Survey events
- ◆ Wayne County Conservation District Spring Tree & Native Plant sale
- ◆ FOTR Spring Bug Hunt events
- ◆ SEMCOG Local Winter Road Maintenance Expo
- ◆ MWEA Watershed Seminar event
- ◆ FOTR Rouge Rescue
- ◆ REP Fall Monitoring Day
- ◆ FOTR Fall Bug Hunt events
- ◆ FOTR Winter Stone Fly events

Documents that were added to the ARC website in 2012 include:

- ◆ 2012 City of Farmington Hills Illicit Connection Source Identification Final Report
- ◆ 2011 Rouge River Ecosystem Monitoring and Assessment Report (RREMAR)
- ◆ Rouge 2011 Progress Report Executive Summary and Full Report
- ◆ Upper Rouge Delisting Strategy
- ◆ QAPP for Monitoring to Support E. Coli TMDL Implementation
- ◆ 2011 Farmington Hills Illicit Connection Source Identification Final Report
- ◆ Rouge Rescue Reports
- ◆ FOTR Spring Bug Hunt report
- ◆ FOTR Fall Bug Hunt report
- ◆ FOTR winter Stone Fly report
- ◆ Illicit Connection Load Calculator
- ◆ IDEP Training Video
- ◆ “Landscaping for Water Quality” handbook
- ◆ Rouge River AOC BUI Delisting Strategy Report
- ◆ Danvers Pond Dam Removal and Stream Restoration Project Great Lakes Restoration Initiative Grant Final Report

D. FRIENDS OF THE ROUGE WATERSHED STEWARDSHIP AND REPORTING

Local & Regional Outreach

In the course of its work, FOTR attends a variety of local and regional meetings and community events to build partnerships, increase awareness of and promote Rouge River activities and volunteer opportunities, and educate the public. This task provides for FOTR staff to attend these meetings and events and provide promotional materials and other educational

information, as necessary. The promotional/educational materials will include ARC, FOTR, and Rouge River Watershed information.

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

These activities are described in the Friends of the Rouge Annual Report (Attachment A) and can be downloaded from the ARC website at:

<http://www.allianceofrougecommunities.com/PDFs/PI/FOTR2012FinalReport.pdf> .

Annual Report

The Friends of the Rouge developed and generated an annual report of the activities it conducted in 2012 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 2012 events, locations and resident attendance by community is included as Attachment A and can be found on the ARC website at: <http://www.allianceofrougecommunities.com/PDFs/PI/FOTR2012FinalReport.pdf> .

TASK 4: TECHNICAL COMMITTEE TASKS

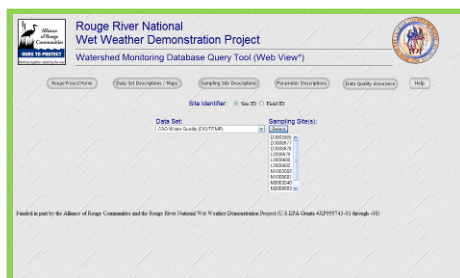
A. ROUGE RIVER WATERSHED MONITORING ACTIVITIES

Geomorphology

WC began prepared to conduct the geomorphology work, but due to staffing limitations the monitoring was not completed. The remaining budget was shifted to cover additional PIE effort.

Water Quality Summary

A Water Quality Summary, describing the results of the 2011 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, the 2011 monitoring data was added to the Wayne County Rouge Project database and the online database (WebView) was updated. The online database can be accessed at www.rougeriver.com/database .



Deliverables:

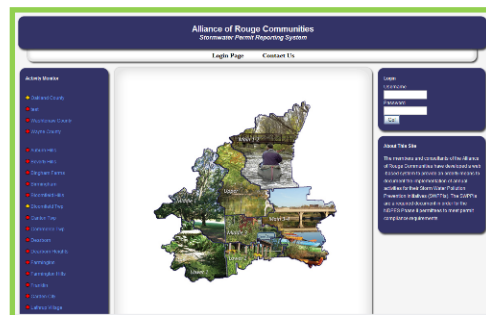
Rouge River Ecosystem and Monitoring Report:

<http://www.allianceofrougecommunities.com/PDFs/technical/2011RREMARFINAL.pdf>

Geomorphology Summary Report: Not completed

B. STORM WATER REPORTING SYSTEM

In 2012, ED staff completed the development of the Online Stormwater Reporting System which had been under development since 2010. User names and passwords were established, minor content modifications were made and coding errors were corrected in 2012. Two training sessions were held at Henry Ford Community College on July 18th to demonstrate how the system operates. A training manual and frequently asked questions (FAQ) document was also created and posted on the website. The reporting system was released for use by the membership in November 2012. It can be accessed by the membership at <http://www.allianceofrougecommunities.com/swppi>.



Deliverables:

Online Reporting System link: <http://www.allianceofrougecommunities.com/swppi>

Training Manual:

<http://www.allianceofrougecommunities.com/PDFs/technical/training%20materials.pdf>

FAQ Document: <http://www.allianceofrougecommunities.com/PDFs/technical/FAQs.pdf>

C. IDEP INVESTIGATIONS AND TRAINING

Investigations

Oakland County completed IDEP investigations in the southeast portion of Farmington Hills. These investigations included smoke testing approximately 11,000 feet of storm drains and sanitary sewers, televising 2,023 feet of storm drains, dye testing 16 properties (six more properties were vacant so they were not dye tested), verification of storm drain sizes, GIS mapping, estimating cost of the repairs, and development of a summary report. As a result of these investigations, five illicit connections containing sanitary wastewater were discovered in 2012. A total of 18 illicit connections have been found in the project area between 2010 and 2012. Two of these connections have already been corrected. The cost for correcting 11 of the 16 remaining illicit connections was estimated at \$181,000. The correction of the other five illicit connections will require a sanitary sewer to be extended about 620 feet along Pearl Street. The City of Farmington Hills has secured a grant and is working with homeowners to correct 11 illicit connections. They are also working on establishing a special assessment district to finance the



sanitary sewer extension. A copy of the investigation report can be found at <http://www.allianceofrougecommunities.com/PDFs/technical/CityFarmingtonHillsFinal.pdf> .

IDEP

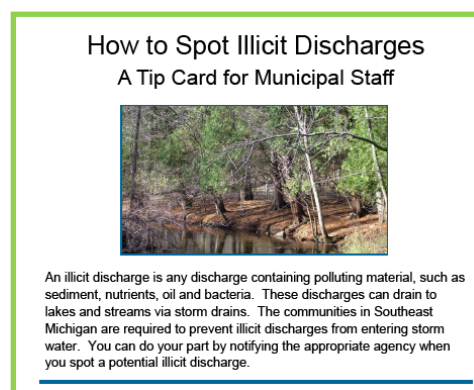
Wayne County conducted dye testing of 49 facilities in four Rouge River watershed communities (Farmington Hills, Garden City, Livonia, and Wayne) to determine if plumbing fixtures are properly connected to the sanitary sewer. Forty-seven of these facilities were municipal and two were commercial (businesses). The businesses were located within the primary target area. As a result of this effort, 13 illicit connections and nine illicit discharges were identified at 15 facilities. It is estimated that at minimum of 2.7 million gallons per year of polluted water will be prevented from reaching the Rouge River if these illicit connections and discharges are corrected. Corrections of four illicit connections were confirmed at two municipal facilities in 2012 (Dearborn Heights and Garden City).

Facilitation

ED staff provided support to the Southeast Michigan IDEP Work Group which was organized in 2011. This support included completion of an IDEP Tip Card for municipal staff and review of the NPDES permit for Swimming Pool Discharges. The Tip Card was distributed to the membership and posted to the website.

Training

The IDEP training presentation was streamlined in 2012 as requested by the members. The 6 hour presentation was reduced to 4 hours by removing repetitive and basic information that was no longer necessary for the target audience. The shorter training will allow for staff to attend.



IDEP Tip Card

Deliverables:

City of Farmington Hills Illicit Connection Source Identification – 2012, Final project Summary Report:

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

IDEP Tip Card: <http://www.allianceofrougecommunities.com/PDFs/technical/IDEPTipCard.pdf>

Swimming Pool NPDES Permit Summary:

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

IDEP Training:

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

D. COMPLIANCE INITIATIVES

The focus of this task was to provide support to the membership in fulfilling their obligations for their storm water permit. This could include support for the MDEQ permit audits, comments on the draft permit, and training for municipal staff. ED staff completed the following:

- ◆ Drafted a whitepaper that described the funding mechanisms available to local communities to correct illicit connections.
- ◆ Participated in two (2) MDEQ MS4 Permit Stakeholder meetings held in Lansing regarding the release of the new permit.
- ◆ Created a detailed outline of the new permit and distributed it to the membership.
- ◆ Provided comments in conjunction with SEMCOG on the new permit language and requirements.
- ◆ Supported Plymouth Township at their stormwater audit (June 28th) conducted by MDEQ.
- ◆ Completed revisions and finalized the Watershed Management Plan. The plan was subsequently approved by MDEQ.

ED staff also assisted Wayne County in completing a draft regional training plan.

Deliverables:

Illicit Connection Elimination Whitepaper:

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

New Permit Outline:

<http://www.allianceofrougecommunities.com/PDFs/technical/MS4permitoutline.pdf>

Watershed Management Plan: <http://www.allianceofrougecommunities.com/login.html>

E. MONITORING TO SUPPORT E. COLI TMDL IMPLEMENTATION

In 2012, the ARC was awarded a multi-year grant from the MDEQ to conduct monitoring to locate illicit connections in priority areas of the watershed. In 2012, the Quality Assurance Project Plan (QAPP) approved by the MDEQ and monitoring was completed in the Pernick Creek sub-basin. This monitoring revealed elevated *E. coli* counts in the Creek at Farmbrook Rd. The sources are likely overburdened septic field(s) or illegal dumping of waste. This information was communicated to the local communities. Five rounds of sampling were also conducted in the Pebble Creek sub-basin at the end of 2012. Two more rounds of sampling are planned for spring 2013.

Deliverables:

Final QAPP: <http://www.allianceofrougecommunities.com/PDFs/technical/QAPProugev11.pdf>

Maps depicting analytical data:

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

ATTACHMENT A



Friends of the Rouge

Final Report for the Alliance of Rouge Communities

January 1, 2012 through December 31, 2012

**FRIENDS OF THE ROUGE
ANNUAL REPORT 2012
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: Frog and Toad Survey	Page 6
Task 5: Benthic Macroinvertebrate Sampling	Page 7
Task 6: Local and Regional Outreach	Page 8

Friends of the Rouge
2012 Annual Report for ARC
ROUGE EDUCATION PROJECT

Schools - Spring Monitoring 2012

	Community/School	# Teachers	# Students	Monitoring Location
1	Allen Park			
	Intercity Baptist High School	1	42	Ford Field in Dearborn & Goudy Park in Wayne
2	Beverly Hills			
	Detroit Country Day Middle School	6	370	On school grounds.
3	Bloomfield Hills			
	Birmingham Covington School	4	216	Linden Park-Birmingham
	Lincoln Street Alternative High School	1	12	14 Mile Road and Inkster
4	Canton			
	Achieve Academy Charter	1	85	Plymouth Twp. Park
	Crescent International Academy	4	100	Morton Taylor and Michigan Avenue
	Plymouth High School	1	75	On school grounds.
	Tonda Elementary School	1	50	On school grounds.
5	Clawson			
	Clawson Middle School	2	120	Linden Park-Birmingham
6	Dearborn			
	Edsel Ford High School	2	65	Colonial Park, Inkster
	Long Elementary School	1	22	Nankin Mills, Hines Drive Westland
	University of Michigan-Dearborn	1	24	Ford Field in Dearborn
7	Dearborn Heights			
	Crestwood High School	1	80	Parr Recreation Area in Dearborn Heights
8	Detroit			
	Winans Academy	1	35	Douglas Evans Nature Preserve, Beverly Hills
	Detroit Academy of Arts and Sciences	1	98	Helms Haven Recreation Area, Hines Park Dearborn Heights
	Amelia Earhart School	1	111	Goudy Park in Wayne
	Detroit Collegiate Prep	1	15	Eliza Howell Park-Detroit
	Ronald Brown Academy	1	31	Lola Valley Parkway, Redford
	Ludington Magnet	1	150	Carpenter Lake, Southfield
	Clippert Academy	2	67	Eliza Howell Park-Detroit
	Logan Elementary School	1	33	Superior Township Park-Superior Township
9	Farmington Hills			
	Dunckel Middle School	1	150	On School Grounds
	Steppingstone School	3	23	Shiawassee Park-Farmington
10	Garden City			
	Garden City High School	1	100	Inkster Wetlands-Inkster
11	Harper Woods			
	Chandler Park Academy	3	30	Lola Valley Park-Redford
12	Livonia			
	Emerson Middle School	1	150	Bicentennial Park- Livonia
	Churchill High School	1	30	Bicentennial Park- Livonia
	Ladywood High School	1	45	Between Newburgh lake and I-275 in Plymouth Twp
13	Melvindale			
	Strong Middle School	2	230	Melvindale Civic Center Ice Arena
14	Northville			
	Amerman Elementary School	2	67	Ford Field in Northville
	Salem Elementary School	2	53	On school grounds
15	Novi			
	Novi High School	1	30	Rotary Park, Novi
16	Oak Park			
	Center for Advanced Studies and the Arts	1	14	Brookfarm Park in Novi
17	Redford			
	Lee M. Thurston High School	2	24	Nankin Mills Recreation Area-Westland
18	Riverview			
	Riverview High School	1	30	Northville Recreation Area, Northville
19	Rochester Hills			
	Deerfield Elementary School	1	54	
20	Royal Oak			
	Oakland Schools Technical Campus Southeast	3	24	OCC Orchard Ridge Campus
21	Southfield			
	Stevenson Elementary School	1	85	Civic Center Drive and Telegraph in Southfield
	Thompson-Schoenhals K-8 School	1	90	Civic Center Drive and Telegraph in Southfield
22	Troy			
	Smith Middle School	1	25	Quarton Lake Park, Birmingham
	Troy High School	1	120	Coolidge Road north of Long Lake in Troy
23	Westland			
	Huron Valley Lutheran School	1	21	Nankin Mills Recreation Area-Westland
24	Wyandotte			
	Roosevelt High School	2	30	Hix Park in Westland
	TOTALS	68	3226	

**Friends of the Rouge
2012 Annual Report for ARC
ROUGE EDUCATION PROJECT**

REP Workshops 2012

1	Schoolyard Habitat Forum- January 25th, 2012 Livonia Civic Center Library, Livonia 6:00pm-8:00pm
	Schools Attended:
	Logan Elementary Bryant Middle School
	Holmes Elementary St. Paul Catholic School
	Pierce Middle School
	Rosedale Elementary
	Workman Elementary
	Frost Middle School
	Jefferson Elementary
	Lindemann Elementary
	Hillside Middle School
	Howard Elementary
2	Teacher LaMotte/Hach Water Quality Monitoring Workshop - March 24th, 2012 - 8:30am-3pm -Detroit Country Day Middle School, Beverly Hill:
	Schools Attended:
	Achieve Academy Charter Center for Advanced Studies and the Arts
	Amelia Earhart School Clippert Academy
	Crescent Academy Internationa Detroit Collegiate Prep
	Drew Transition Center Emerson Middle School
	Edsel Ford High School Novi High School
	Garden City High School Ronald Brown Academy
	Long Elementary School Stevenson Elementary Schoo
	Thompson K-8 School Winans Academy
	Birmingham Covington School
3	New Teacher Orientation- November 13th, 2012-5:00pm-8:30pm-Environmental Interpretive Center, Dearborn
	Schools Attended:
	Mary Helen Guest Elementary
	St. Valentine Catholic School
	Steppingstone School
	West Maple Elementary
	West Village Academy

Schools - Fall Monitoring 2012

	Community/School	# Teachers	# Students	Monitoring Location
1	Bloomfield Hills			
	Birmingham Covington School	4	79	Linden Park, Birmingham
2	Dearborn Heights			
	Crestwood High School	1	117	Parr Recreation Area, Dearborn Heights
3	Allen Park			
	Intercity Baptist High School	1	20	Ford Field, Dearborn
4	Royal Oak			
	Oakland Schools Technical Campus, Southeast	2	11	Oakland Community College, Orchard Ridge Campus
5	Farmington Hills			
	Steppingstone School	2	9	Shiawassee Park, Farmington
6	Troy			
	Troy High School	1	62	Coolidge Highway and Long Lake Road, Troy
7	Dearborn			
	University of Michigan-Dearborn	1	13	Ford Field, Dearborn
	TOTALS	12	311	

Friends of the Rouge
2012 Annual Report for ARC
ROUGE RESCUE

Site Coordinator Events

Event	Location	City	Attendance
Rouge Rescue Kick-off Training	Heritage Park Visitor's Center	Farmington Hills	16
Rouge Rescue Wrap-up Meeting	Environmental Interpretive Center, University of Michigan-Dearborn	Dearborn	11

Rouge Rescue Event

Rouge Rescue Site	Sponsoring Community or Organization	City/Twp/Village	2012 Participation
Douglas Evans Nature Preserve	Village of Beverly Hills	Beverly Hills	20
Riverside Park	Six Rivers Regional Land Conservancy	Beverly Hills	11
Quarton Lake Park	Six Rivers Regional Land Conservancy	Birmingham	14
Manresa Jesuit Retreat House	Manresa Jesuit Retreat Center	Bloomfield Hills	20
EL Johnson Nature Center	Bloomfield Hills Schools, Bloomfield Township	Bloomfield Township	55
Meadows of Canton	Wayne County, Meadows of Canton	Canton	100
Workman Elementary Habitat	Workman PTO	Canton	9
Flodin Park	Canton Township, ITC, Absopure, WThA	Canton Township	193
Ford Field Greenway Trail	Christ Church Dearborn	Dearborn	21
Ford Field Park	Warneck	Dearborn	9
Garlic Mustard Pull		Dearborn	47
HFCC	Henry Ford Community College	Dearborn	47
U of M Dearborn	U of M - Dearborn	Dearborn	18
Parkland Park	Dearborn Heights Watershed Stewards Commission	Dearborn Heights	19
Eliza Howell Park	Aristeo Construction	Detroit	22
Rouge Park	Coca-Cola, Friends of Rouge Park, Detroit Aeromodelers, City of Detroit, ITC, Alisha Bell (Wayne County Commissioner)	Detroit	188
Rouge Park	Friends of Rouge Park	Detroit	19
Rouge Park Spring Clean-up	Friends of Rouge Park	Detroit	34
St. Paul of the Cross	St Paul of the Cross Retreat Center	Detroit	5
Shiawassee Park	Friends of the Rouge Volunteers	Farmington	13
Bosch Corporate Campus	Friends of the Rouge & Bosch, LLC	Farmington Hills	16
Canterbury Commons	Canterbury Commons Neighborhood Association	Farmington Hills	14
Heritage Park	City of Farmington Hills	Farmington Hills	65
OCC - Orchard Ridge	Oakland Community College	Farmington Hills	25
Beverly Park/Bainbridge Park	City of Livonia	Livonia	80
Coventry Gardens Park	Coventry Gardens Improvement Association	Livonia	11
Allen Drive Park	Northville residents	Northville	28
Bennett Arboretum		Northville	50
Mill Race Village	Northville Historical Society	Northville	19
Linear Park	Northville Township	Northville Township	33
Rotary Park	Rotary Club	Novi	89
Liberty Trash Grab	Liberty Street Brewing Company	Plymouth	5
Tonquish Creek Manor	City of Plymouth	Plymouth	85
Wilcox Lake	Plymouth Township, Aisin World Corp	Plymouth Township	22
Lola Valley Park	Friends of the Rouge & Redford Township	Redford Township	49
Berberian Woods	Six Rivers Regional Land Conservancy	Southfield	33
Valley Woods Park	City of Southfield & Six Rivers Regional Land Conservancy	Southfield	9
Beech Woods Recreation Center	City of Southfield & DENSO	Southfield / DENSO	90
Kosch Headwaters Preserve	Southeast Michigan Land Conservancy & Superior Land Conservancy	Superior Twp	9
Kosch Headwaters Preserve	Southeast Michigan Land Conservancy & Superior Land Conservancy	Superior Twp	4
Detroit Zoo Workday	Friends of the Rouge & the Detroit Zoo	Wayne	39
Goudy Park	Wayne Rotory, Wayne Civitens, Wayne Papa Romono's	Wayne	85
Lone Pine Elementary	Lone Pine Elementary	West Bloomfield Twp	54
Holliday Nature Preserve	City of Westland, Holliday Nature Preserve	Westland	36
TOTALS			1,814

Friends of the Rouge
2012 Annual Report for ARC
ROUGE RESCUE

Volunteer Residency

City/Township	Total Number of Volunteers
Allen Park	1
Ann Arbor	9
Belleville	4
Berkley	3
Beverly Hills	5
Bingham Farms	1
Birmingham	1
Blissfield	1
Bloomfield Hills	19
Bloomfield Twp	1
Brownstown Twp	1
Canton	221
Clarkston	1
Clawson	6
Clinton Twp	1
Commerce Township	5
Dearborn	58
Dearborn Heights	16
Detroit	112
East Lansing	1
Eastpoint	1
Farmington	11
Farmington Hills	97
Ferndale	6
Franklin	2
Garden City	12
Grand Ledge	1
Gregory	1
Hamberg Twp	1
Hamtramck	1
Harrison	2
Highland	1
Highland Park	1
Howell	2
Huntington Woods	1
Lapeer	1
Lincoln Park	2
Livonia	89
Maddison Heights	1

City/Township	Total Number of Volunteers
Milford	1
Monroe	1
New Hudson	7
Northville	46
Novi	69
Oak Park	5
Orchard Lake	1
Ortonville	1
Oxford	1
Owasso	1
Plymouth	58
Redford	56
Riverview	2
Romulus	1
Roseville	1
Royal Oak	19
Saginaw	1
South Lyon	6
Southfield	32
Saline	2
St. Clair	1
Sterling Heights	4
Superior Twp	3
Taylor	7
Trenton	2
Troy	18
Walled Lake	3
Warren	2
Waterford	5
Wayne	47
West Bloomfield	6
Westland	49
White Lake	7
Whitmore Lake	5
Wixom	1
Woodhaven	1
Wyandotte	2
Ypsilanti	2
Unknown	638

Friends of the Rouge
2012 Annual Report for ARC
RIVER RESTORATION

Events

Date	Event	City	Audience	Attendance
2/23/2012	Naturalizing Public Golf Courses in the Rouge Watershed	Farmington Hills	Golf course managers, municipal staff	19
4/17/2012	Naturalizing the Home Garden: A Native Garden Design Workshop for Beginners	Southfield	Watershed Homeowners	30
8/29/2012	Grow Zone Maintenance Workshop	Bloomfield Hills	Grow Zone Partners (municipality, school, organization)	18
			TOTALS	67

Restoration Projects

Date	Event	City	Location	Participation
9/15/2012	Native Garden Demonstration	Redford Twp	Claude Allison Park	10
9/24/12 & 9/30/12	Streambank Stabilization, buffer Planting & Invasive Plant Removal Project	Northville	Mill Race Village	19
10/6/2012	Streambank Stabilization & Buffer Planting	Farmington Hills	Canterbury Commons Subdivisio	20
10/13/2012	Residential Rain Garden Plantings (4)	Detroit	Stahelin Street	31
10/17/2012	Residential Rain Garden Plantings (2)	Detroit	Stahelin Street	14
			TOTALS	94

Volunteer Residency

Events (Where applicable)	
# Volunteers	City/Twp
1	Berkley
1	Bingham Farms
2	Birmingham
2	Bloomfield Hills
2	Canton
1	Clawson
2	Detroit
4	Farmington Hills
4	Livonia
3	Northville
1	Novi
1	Oak Park
1	Redford
6	Southfield
2	Taylor
1	Wayne
1	Westland
3	Unknown

Restoration Projects	
# Volunteers	City/Twp
1	Canton
2	Clawson
2	Commerce Township
1	Dearborn Heights
26	Detroit
13	Farmington Hills
2	Grosse Pointe
1	Livonia
13	Northville
1	Novi
2	Plymouth
4	Redford
1	Riverview
1	Roseville
3	Royal Oak
1	Southfield
2	Westland
5	Unknown

Friends of the Rouge
2012 Annual Report for ARC
FROG TOAD SURVEY

Training Workshop Date	3/3/2012	3/6/2012	3/10/2012	3/17/2012	
Time	10am-12pm	7-9pm	10am-12pm	10am-12pm	
City/Township	Plymouth	Canton	Livonia	Bloomfield Twp	Veteran Surveyors who did not attend a workshop
Location	Township Hall	Summit on the Park	Civic Center Library	Township Hall	
Attendee Residency					
Allen Park			1		
Ann Arbor				1	
Belleville		1			1
Beverly Hills				2	1
Birmingham		1		1	3
Bloomfield Hills				5	4
Bloomfield Twp				3	2
Bloomfield Village				1	
Canton	3	39	10		21
Commerce Twp				5	3
Dearborn		7	7	2	6
Dearborn Heights	1	2	2	1	2
Detroit	5		2		2
Farmington			3		2
Farmington Hills	1	2		1	14
Ferndale	2				
Flat Rock					
Franklin					
Garden City			3		2
Grosse Pointe					
Hamtramck					
Howell			2		
Huntington Woods		2		1	1
Livonia	4	8	20	2	10
Melvindale					2
Northville	5	2		2	13
Novi	3	2		1	6
Oak Park			1	2	1
Pleasant Ridge	3				
Plymouth	30	1	4	2	11
Redford	1	1	4	7	1
Rochester Hills					
Romulus		1			
Royal Oak				2	1
Saline			2		
Southfield		6		5	4
South Lyon	1		1		
Sterling Heights					1
Taylor			1		1
Trenton					6
Troy					
Washington	1		1		
Waterford					1
Wayne		1	1	1	
West Bloomfield					2
Westland	1		6	1	
Ypsilanti		6			1
Unknown				3	
TOTALS	61	82	71	51	125

2012 Blocks Surveyed	
Subwatershed	# blocks surveyed
Main 1-2	49
Upper	29
Middle 1	45
Lower 1	32
Lower 2	9
Middle 3	7
Main 3-4	3
TOTAL	174

Friends of the Rouge
2012 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	1/28/2012	3/31/2012	4/21/2012	4/30/2012	9/15/2012	10/20/2012	11/5/2012
Time	9am-3pm	9am-3pm	9am-4pm	5-7 pm	9am-2pm	9am-4pm	5-8:00 pm
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						3	
Allen Park	1		1			1	
Belleville							
Berkley			1			1	
Beverly Hills							
Birmingham							
Bloomfield Hills	1					2	
Bloomfield Twp							
Brighton							
Brownstown Twp						3	
Canton	1	1	4	1		7	
Chestfield						2	
Commerce Twp			3			3	
Dearborn	6	1	3			4	1
Dearborn Heights	1		1			2	1
Detroit	8		7	1	1	14	1
Dexter							
Dryden							
Eastpointe							
Farmington	2		2			3	
Farmington Hills	5		2	1		1	
Franklin							
Garden City	1		1			2	
Harper Woods						1	
Grosse Pointe Park	1						
Howell			1	1		1	1
Huntington Woods			2			1	
Inkster						2	
Lake Orion							
Lansing	1						
Lathrup Village							
Lincoln Park							
Livonia	8		10			9	
Luna Pier							
Melvindale							
Midland							
TOTALS	36	2	38	4	1	62	4

	Winter Stonefly Search	Spring Team Leader Training	Spring Bug Hunt	Spring Bug Identification	Fall Team Leader Training	Fall Bug Hunt	Fall Bug Identification
GRAND TOTALS	74	8	83	14	10	123	12

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	1/28/2012	3/31/2012	4/21/2012	4/30/2012	9/15/2012	10/20/2012	11/5/2012
Time	9am-3pm	9am-3pm	9am-4pm	5-7 pm	9am-2pm	9am-4pm	5-8:00 pm
City/Township	Dearborn	Plymouth Township	Dearborn	Dearborn	Plymouth Twp	Livonia	Dearborn
Location	UMD-EIC	Township Hall & Park	UMD-EIC	UMD-EIC	City Hall & Park	Schoolcraft College	UMD-EIC
Attendee Residency							
New Boston							
Northville	6	1	3	1		3	1
Northville Twp							
Novi						3	
Oak Park	2		2	1		1	1
Onsted							
Pinckney							
Plymouth	3	3	10	2	3	7	2
Port Huron							
Redford	5	1	5			4	1
Riverview							
River Rouge							
Rochester							
Rochester Hills							
Romulus							
Roseville							
Royal Oak	3	1	2	1		1	
Saline							
Saint Clair Shores			1			1	
South Lyon	1						
Southfield	3		3	1	2	4	1
Southgate							
Sterling Heights			1				
Stockbridge							
Sylvan Lake							
Taylor			3	1			
Walled Lake						1	
Troy	3						
Washington	1		1			1	
Wayne			2				
West Bloomfield							
Westland	5		10	1	2	5	
White Lake							
Wixom							
Willis							
Wyandotte	1						
Ypsilanti	2		2	2	2	2	2
Belle River, ON							
Toledo, OH							
Philadelphia							
Unknown	3					28	
TOTALS	38	6	45	10	9	61	8

Friends of the Rouge
2012 Annual Report for ARC
LOCAL AND REGIONAL OUTREACH

Date	Event/Meeting Name	Location	FOTR Staff	Display	Participation	Presentation
1/5/2012	HFCC Faculty Fair	Dearborn	SP	y		
1/23/2012	Meeting at Rouge Park	Detroit	SP		y	
1/26/2012	Meeting at Rouge Park	Detroit	SP		y	
2/28/2012	Created GIS Map for Eliza Howell & Ropuge Park Park groups	Detroit	MH			y
2/1/2012	Meeting at Eliza Howell Park	Detroit	SP		y	
2/2/2012	Table display at SOCWA workshop	Farmington Hills	CR	y		
2/27/2012	Review and rank WHC habitats - WHC Habitat Celebration prep	Dearborn	CR		y	y
3/19/2012	Meeting with Greening of Detroit	Detroit	SP		y	
3/20/2012	Met with student from MN	Dearborn	CR		y	
3/21/2012	Meeting with SEMCOG	Detroit	SP		y	
4/2/2012	Site visit and follow up, L. Long	Southfield	CR		y	
4/24/2012	WHC Habitat Celebration	Bloomfield Hills	CR		y	y
4/26/2012	Meeting with Dearborn Sustainability Committee	Dearborn	SP		y	y
4/27/2012	Wayne Festival	Wayne	SP	y		
5/3/2012	UM-D Water Festival	Dearborn	CR, SP			
5/4/2012	Eliza Howell Park seed planting	Detroit	CR, MH		y	
5/19/2012	Eastern Market public education and display table	Detroit	CR, SP	y	y	
5/20/2012	Eastern Market public education and display table	Detroit	CR, EH	y	y	
6/14/2012	Interviewed by UM-D students	Dearborn	CR		y	
6/21/2012	Staffed display at Valassis	Livonia	KH, CR	y	y	
6/26/2012	RRAC Mtg	Farmington Hills	SP		y	
8/1/2012	RRAC Mtg	Wayne	SP		y	
8/6/2012	Bosch Builds Work Day	Farmington Hills	SP, CR	y	y	y
8/30/2012	DCC Brownfields	Taylor	SP		y	
9/10/2012	Meeting with Ed Bagale	Dearborn	SP		y	
9/18/2012	RRAC Mtg	Farmington Hills	SP		y	
9/20/2012	HFCC Welcome Back Days	Dearborn	SP, EC	y		
9/20/2012	UM-D Watershed Analysis Class	Dearborn	SP			y
9/22/2012	Rouge Kayak Tour	Melvindale to River Rouge	SP		y	y
9/25/2012	Severstal Tour	Dearborn	SP, CB		y	
9/28/2012	Clinton River Review	Rochester Hills	SP, IK		y	
10/12/2012	Rouge Park Master Plan	Detroit	SP		y	
11/1/2012	Site visit at Rouge Park with Greening of Detroit	Detroit	SP		y	
11/9/2012	RRAC Work Group	Wayne	SP		y	
11/15/2012	Meeting with Riverside Kayak Connection	Detroit	SP, MD		y	
11/29/2012	Fordson Island Meeting	Detroit	SP		y	
12/11/2012	RRAC Mtg	Dearborn	SP, IK		y	
12/11/2012	Marathon Community Mtg	Detroit	SP		y	
12/18/2012	ARC Projects Meeting	Southfield	SP, CR, IK		y	