

Overview of Furnace Run – tributary in the Cuyahoga River Area of Concern

	<p>Furnace Run in the Cuyahoga River Watershed</p> <p>Drainage area: 20.34 Sq miles Length: 10.4 miles Gradient: From 1252 ft to 69 ft, dropping 561 feet Average fall of 54 feet per mile. Enters the Cuyahoga River at mile 33.08 in the Cuyahoga Valley National Park. Water quality: Meets OEPA Water quality standards, but threatened Hydrologic Unit Code: HUC-14 04110002-040-050</p>
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Land Cover from 2002 Landsat Cuyahoga RAP/ American Heritage River Data:

Urbanized- 14.11%
 Wooded- 47.13 %
 Grass and Agricultural- 34.42%
 Shrub / -Scrub- 6.68 %
 Misc- 1.84 %
 Streams and Water- .24%

Furnace Run Watershed Planning Issues to be addressed in the BGI plan:

- **Steep, fast draining, high-energy stream** with limited potential for storm water storage in which upstream and headwater urbanization adding discharge volume and energy.
- Stream is the **leading sediment producer** to the Cuyahoga River where erosion and sediment are negatively impacting park resources. TMDL cites sediment and nutrients as leading stressors to the Cuyahoga River
- Highly **desirable communities** of the watershed are under steady development pressure, especially in headwater and upstream locations near highway interchanges
- **Close proximately to highway network and mid-location** between Akron and Cleveland provide market pressure for office parks and related infrastructure.
- **Underused and newly vacant trucking terminals** provide opportunities for Priority Re-development Areas and exploration of State economic Development incentives.
- Community goals to **preserve rural / small town atmosphere and preserve / enhance vital Green space** in Riparian Corridors

Important Stream and Watershed Features include elements which manage the flow and energy of water:

- Stream Riparian Corridor – Vegetated Stream Bank
- Steep Slopes adjacent to the Stream Valley
- Fragile Soils – Highly erosive / Difficult to stabilize
- Wetlands- Store and cleanse run-off / Dissipates energy
- Primary Headwater Areas- Store run-off / Dissipates flow
- High quality vistas which promote rural character

Furnace Run Watershed Planning Partners (WPP)

All seven watershed general-purpose units of local government have agreed to participate. Village of Richfield Mayor Lyons lead the effort, with assistance from CRCPO.

Governance

1. Each jurisdiction passed a resolution of support and participation in the Watershed Planning Partnership
2. Participating Local Government chief official (Mayor or Chair of Trustees) have appointed a number of community representatives, based on the criteria below in item 10, plus 2 alternates to the WPP.
3. Park Districts in the Watershed were asked to name 2 Associate Members, whose participation will be included in the WPP proceedings, but whose vote will not count towards the 75% approval level needed for final Plan Endorsement by OLEC.
4. The WPP will meet regularly in approximately 10- 12 meetings for the duration of the Watershed Plan Development Process, plus two Public Presentations as outlined in the attached BGI project grant proposal.
5. Meetings will be initially led by Mayor Village of Richfield and facilitated by CRCPO.
6. Meetings locations may circulate to the communities of the WPP; the local host community will chair the meeting.
7. During the sequence of WPP plan meetings:
 - Members will be instructed about watershed function by CRCPO.
 - Members will be informed regarding land use, natural resources, community land use plans and watershed management issues in the watershed by CRCPO with input for each community.
 - Members will be expected to:
 - i. Attend consistently,
 - ii. Be properly informed,
 - iii. Support measures to promote responsible watershed stewardship while also accommodating the need and plans for continued community economic development,
 - iv. Provide feedback and set priorities for the watershed for defining: Priority Conservation Area, Priority Development Areas, and Priority re-development areas, based on a suite of mutually agreed upon evaluation criteria.
 - v. Report to their respective communities regarding the planning process:
 - vi. Seek the endorsement for their respective community if they are satisfied with the plan as endorsed by the WPP.
8. Selection of criteria, priorities and general decision-making will be achieved through consensus and with respect for differing views.
9. CRCPO will serve as Project Coordinator. In this capacity CRCPO will:
 - Facilitate WPP Meetings
 - Prepare Plan materials for review by WPP as funded by OLEC for the Plan development
 - CRCPO will not participate in consensus decisions of the WPP
 - Coordinate approval process with local governments and State of Ohio.Cuyahoga River Community Planning Organization is the non-profit fiscal parent for Cuyahoga River Remedial Action Plan; the lead partner for the Cuyahoga- American Heritage

River Initiative; Leader of first approved BGI Plan (Chippewa Creek) in Ohio; and currently completing the Brandywine Creek BGI watershed plan and Big Creek BGI-based Watershed Management Plan.

It is an ongoing strategic goal of CRCPO for the Cuyahoga River Remedial Action Plan (RAP) to develop functional Watershed Partnerships and management plans for each of the tributaries that drain into the main stem of the Cuyahoga River Area of Concern.

10. WPP Representation for the General Purpose Units of Government and the Park Districts will be allocated according the following Criteria:

WPP Representation Criteria	Reps
Cities & Villages / Park Districts	2
Townships	1
Plus additional Reps for the General Purpose Units based on % of Watershed Land:	
1-5%	1
6-15%	2
16-30%	3
> 30 %	4

Community	Comments	% of the Watershed	City or Village -2 Township- 1 Park Dist -2	% of WS Occupancy	TOTAL
City of Brecksville	Member of Chippewa BGI Watershed Planning Partnership	13.1 %	2	2	4
City of Broadview Heights	Mayor serves on National Parks Advisory Board Member of Chippewa BGI Watershed Planning Partnership	1.7 %	2	1	3
Village of Richfield	Mayor Mike Lyon, Member CRCPO Board of Directors and RAP Committee. Chairman of Cuyahoga Valley Regional Council of Governments Leader in new efforts at regional collaborations & cooperation	25.3%	2	3	5
Richfield Township	Maintains close working relationship with Village of Richfield	45.4%	1	4	5
Bath Township	Leader in Yellow Creek Watershed Plan	7.1%	1	2	3

Community	Comments	% of the Watershed	City or Village -2 Township- 1 Park Dist -2	% of WS Occupancy	TOTAL
Boston Township	Sponsor for Friends of Yellow Creek Watershed territory is wholly within Cuyahoga Valley National Park	6.0%	1	2	3
City of Cuyahoga Falls	Watershed territory is wholly within Cuyahoga Valley National Park	1.4%	2	1	3
Park WPP Associate members:	Participant in the Yellow Creek Watershed Partnership				
Metroparks Serving Summit – Furnace Run Metropark	Participates on the RAP Coordinating Committee		2		2
Cuyahoga Valley National Park-	Participates on the RAP Coordinating Committee / CVNP participated in Chippewa Creek BGI plan and helped organize the partnership for the Brandywine BGI Plan.		2		2
	TOTAL WPP				30

11. Technical Advisors will provide technical support and advice to the WPP, but will not be included in the consensus decisions.

- The Following listed agencies have been identified to be included as Technical Advisors to the WPP.
 - Summit County Engineer- NPDES Phase II Coordinators
 - Summit County Soil and Water- Model Codes
 - Summit County Board of Health- Home treatment system issues
 - Summit County Planning- Planning and Demographic Data
 - NEFCO- 208 Plans
 - Ohio EPA- RAP Delisting, TMDL and NPDES Phase II Support

Related Studies, Data and Reports-

- Cuyahoga River Remedial Action Plan (RAP) and Delisting Actions (2008)
- Cuyahoga River RAP - Building Better Watersheds: GIS Inventory and Assessment of critical Stream and Watershed features for Furnace Run (2008)
- Cuyahoga River RAP - Chippewa Creek BGI Watershed Management Plan (2008)



- Cuyahoga River RAP- Wetland and Habitat Inventory and Assessment for Cuyahoga River Tributaries (2008)
- Cuyahoga River RAP- Inventory of Local Ordinances in Each tributary protecting Watershed Features (2008)
- OEPA- Cuyahoga River AOC Total Maximum Daily Load (2003)
- Corps of Engineers- Cuyahoga River Sediment Transport Model (2007)
- Cuyahoga River RAP- The Watershed Book: a citizens guide to healthy streams and clean water (2009).
- CRCPO Website- www.CRCPO.org