

# Municipal Information Sheet Merrickville-Wolford 2017

**R**VCA is one of Ontario's 36 Conservation Authorities. Since our formation in 1966, we have partnered with our local municipalities, residents, businesses, service clubs, schools, environmental and lake associations, community groups and provincial and federal governments to deliver programs and services that protect and manage the natural resources we all value and count on in the Rideau watershed.

As one of our 18 member municipalities, the Village of Merrickville-Wolford is a valued partner. We thank you for supporting 50 years of conservation in the Rideau watershed and look forward to working with council and residents on the next 50.

## Our Vision

A thriving watershed with clean abundant water, natural shorelines, rich forests and wetlands, diverse habitat and sustainable land use that is valued and protected by all.

## Our Mission

To understand, manage, protect, restore and enhance the Rideau watershed through science, stewardship, education, policy and leadership.



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### Watershed Science and Engineering Services

- *Middle Rideau Subwatershed Report* released in 2016 along with detailed data sheets for its ten catchments.
- *Kemptville Creek Subwatershed Report* released in 2014 along with detailed data sheets for its six catchments. We will reassess this subwatershed's health in 2019.
- *Mississippi-Rideau Source Protection Plan* came into effect on January 1, 2015. The plan, required under Ontario's *Clean Water Act*, focuses on policies to protect municipal sources of drinking water. We provided policy interpretation, implementation tools and other support to municipal staff to ensure legally binding policies were well understood and implemented to meet compliance deadlines. In addition, at the request of the municipality, we provided a specially trained Risk Management Official and
- Inspectors that are required to enforce the *Clean Water Act* Part IV policies within the municipality. Merrickville-Wolford received provincial Source Protection Municipal Implementation Funding to cover most costs associated with source protection plan implementation.
- North Branch of Kemptville Creek along with Irish Creek, Dales Creek and Barbers Creek catchments assessed for fish community, thermal regime and instream conditions.
- 3 water quality sites tested as part of RVCA water quality baseline monitoring.
- 2 water quality sites tested as part of the Provincial Water Quality Monitoring Network.
- 1 site sampled as part of the Ontario Benthic Biomonitoring Network on Barbers Creek in spring and fall.
- 80 square kilometres of hazard mapping (floodplain, steep slopes, unstable soils, wetlands, shorelines and valley lands) completed in Merrickville-Wolford. This mapping is used by municipalities and the RVCA to ensure development protects people, property and the environment.
- RVCA monitors and forecasts flood or drought conditions allowing municipalities to respond to watershed conditions and implement emergency response plans.

**Science-based information is critical for long-term watershed management. It must be the basis of decision-making, program development and policies.**

**By sharing RVCA technical staff (engineers, biologists, geoscientists), planning advice costs are much lower than if municipalities were to retain these services individually.**

**Flood Forecasting protects public safety and helps minimize damage while Low Water Response ensures optimal management of scarce resources.**



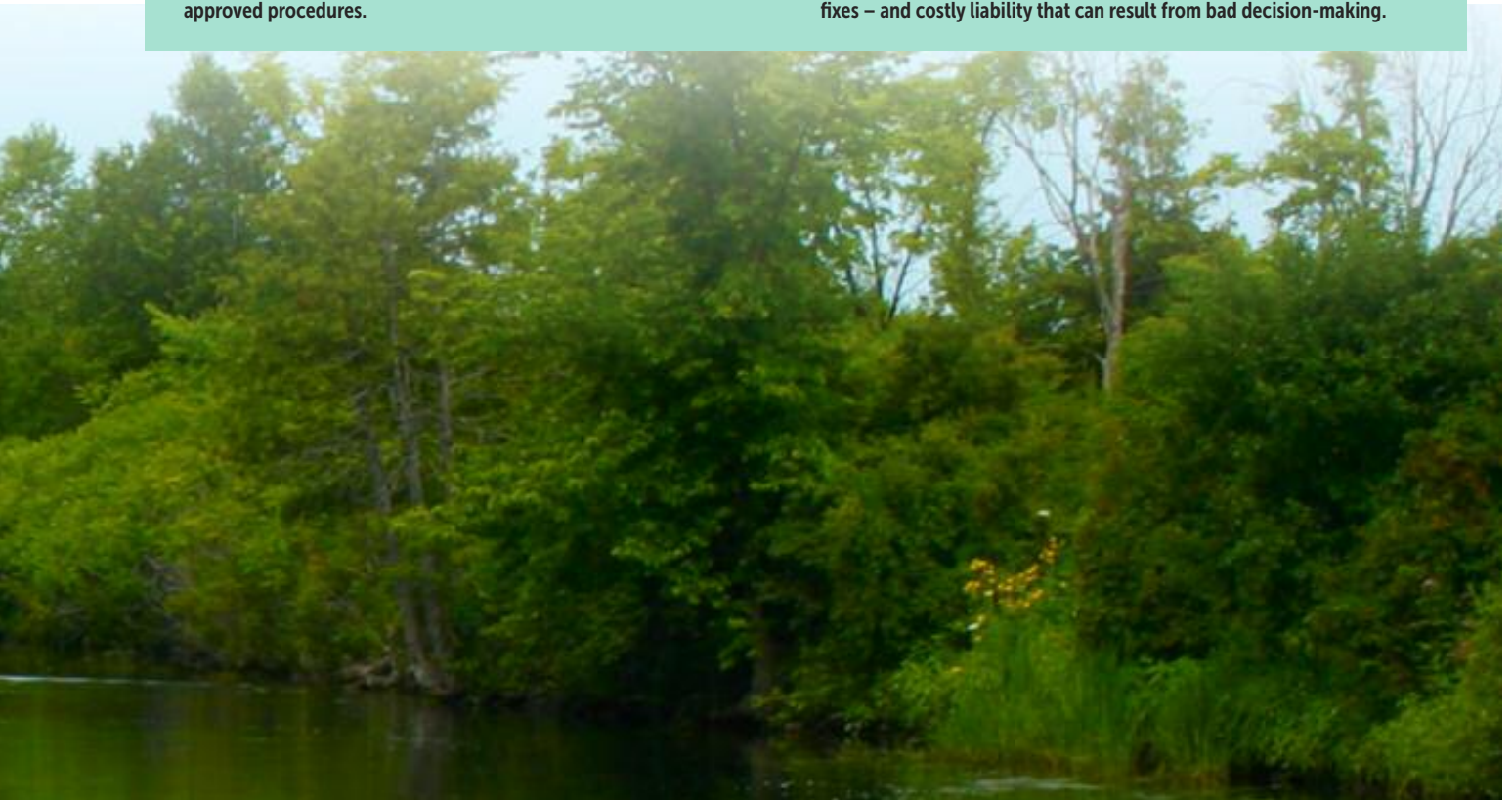


## Planning Advisory and Regulatory Services

- 4 *Conservation Authorities Act* applications received in Merrickville-Wolford in 2016 — 287 applications received watershed-wide in 2016. Under Section 28 of the *Conservation Authorities Act*, the RVCA is required to regulate development on hazard lands (floodplains, steep slopes, unstable soil) and in environmentally sensitive areas (wetlands, shorelines, valley lands). Over 90 percent of applicants receive approval each year.
- 30 property inquiries and 2 clearance letters issued for properties in Merrickville-Wolford — 962 property inquiries and 133 clearance letters issued watershed-wide in 2016.
- 6 *Planning Act* reviews were undertaken in 2016 in Merrickville-Wolford — 1,332 undertaken watershed-wide in 2016 (including zoning by-law amendments, occurrences/complaints, severances, minor variances, subdivision and site plan control). The Province requires RVCA to provide advice to municipalities on *Planning Act* applications that pertain to regulated areas (hazard lands and environmentally sensitive areas). We also review applications for the protection of natural heritage features and water. Our input includes policy advice and technical reviews of site-specific studies looking at stormwater management, environmental impact, setbacks and aquatic habitat.
- RVCA provides a simplified approvals process for municipal drain maintenance and repairs under the provincial DART protocol established by MNRF and OMAFRA for municipal drain maintenance and repairs.
- RVCA reviews and approves private septic systems under Part VIII of the *Ontario Building Code* at no cost to municipalities. RVCA currently provides this service to the City of Ottawa and Tay Valley Township in partnership with MVCA and SNC. We also provide septic re-inspection services which are currently used by Central Frontenac, Drummond/North Elmsley, North Frontenac, Rideau Lakes and Tay Valley.

**RVCA staff adhere to professional standards and provincially approved procedures.**

**Sound, professional planning and regulations services avoid expensive fixes – and costly liability that can result from bad decision-making.**





## Stewardship Services

- Stewardship staff use RVCA monitoring results to guide targeted stewardship activities for maximum impact.
- 8 Rural Clean Water projects approved in Merrickville-Wolford in 2016 — \$8,050 allocated to projects valued at \$35,359; from 2002-2016, 48 approved projects in Merrickville-Wolford — \$78,798 allocated to projects valued at \$328,431; 1,295 Clean Water projects approved watershed-wide between 2002 and 2016 — \$2,116,649 allocated to projects valued at \$10,202,390.
- 109 Ontario Drinking Water Stewardship Program projects approved in the Mississippi-Rideau Source Protection Region while the program was active between 2007 and 2014 — \$521,000 allocated to projects valued at \$853,770.
- 5.68 million trees planted watershed-wide on public and private land since 1984; 225,865 trees planted watershed-wide in 2016.
- 55,500 trees planted in Merrickville-Wolford since 1984 — \$58,319 fundraised, \$101,862 provided in value.
- 6 shoreline naturalization plantings completed by RVCA's Shoreline Naturalization Program in Merrickville-Wolford since the program's inception in 2008. In total, 823 seedlings planted along 688 metres of shoreline for a total project value of \$4,665 with landowner contribution of \$801.
- 62,801 native tree and shrub seedlings and potted stock planted along 20.8 kilometres of watershed shoreline through the Shoreline Naturalization program since 2009; 300+ landowners/ partners and 1,200+ volunteers; total project value: \$687,628.
- 150 butternut seedlings planted in Merrickville-Wolford. In total, over 20,000 butternut seedlings planted in eastern Ontario. RVCA collects seeds each year from healthy butternut trees that are endangered because of the butternut canker disease. The seedlings are also supplied to clients who have compensation requirements under permits to harm or kill butternut trees.
- 199 beaver have been removed overall and 39 dams were breached or removed on Kemptville Creek since 2003. This work was done in partnership with the municipalities and local landowners to reduce flooding caused by nuisance beaver activity.
- 74 beaver removed after RVCA completed a beaver dam and elevation survey on North Branch of Kemptville Creek in 2011-2012. RVCA, local landowners and the municipalities of North Grenville and Merrickville-Wolford partnered to remove beavers and breach dams on a 13 kilometre reach of North Branch of Kemptville Creek. The work was completed at a cost of about \$3,000 and the remaining funds of \$2,000 were applied to keeping seven dams open.
- 2 beaver dams surveys in 2013 and 2015 on South Branch of Kemptville Creek downstream of North Augusta identified, measured, photographed and mapped beaver dams and lodges.
- 30+ landowners contact RVCA annually to register their concern and ask for advice on best management practices relating to nuisance beavers. Staff provide information packages and can produce imagery maps to help landowners identify beaver dam locations and property ownership in program areas. RVCA may be able to assist municipalities with beaver dam surveys in difficult access areas if it is unclear where the problem dams are and who owns the land.

**Stewardship staff use RVCA monitoring results to pursue targeted stewardship activities on key areas for maximum impact.**

**Grant programs and stewardship advice help property owners, businesses and municipalities restore and improve the health of our watershed.**

## Conservation Land Management Services

- Approximately 3,000 hectares of sensitive natural areas maintained and protected, including 11 developed conservation areas that are open to the public.
- 72+ hectares of natural areas located in Merrickville-Wolford — Naftel (40.8 hectares) and Fournier (32.16 hectares).
- 10,000 students enjoy conservation education programs at Baxter and Foley Mountain Conservation Areas.
- All areas operate in accordance with site-specific management plans, which include input from the public, development plans, annual maintenance and capital responsibilities.
- Assisted municipal staff with planning trails on municipal property. Discussions and site visits include trail placement, material and construction information.

**Management of conservation areas protects vulnerable habitats and valuable natural resources.**

**RVCA provides high quality curriculum-based environmental education programs to children – building the future guardians of our watershed.**

# Merrickville-Wolford Levy 2017: \$20,040.58

For every levy dollar our municipalities invest, the RVCA provides two dollars worth of service. We are able to double this municipal investment by maximizing other sources of funding enabling us to do more work in the watershed.