



Programs & Services Guide

CATFISH CREEK CONSERVATION AUTHORITY

Programs/ Service And Subservices	Description	Category (1,2,3)	Category classification concerns	Funding mechanism-%	Estimated annual cost (based on 5-year average or explanation of costs)	Program/ Service provided date (prior or post Feb 2022) (indicate present or future).
<p>Risk of Certain Natural Hazard's - see 21.1 (1) 1 i of the Conservation Authorities Act; Sections 1-8 of the Mandatory Programs and Services Regulation O.R. 686/21.</p> <p>The CCCA will develop an awareness of areas that are important for the management of natural hazards within the watershed. The CCCA will also manage and promote awareness and education of risks related to natural hazards, protect life and minimize property damage from flooding and erosion by providing a flood control monitoring and warning program. CCCA alerts the public through flood messages, provides municipal staff with data and information to enable sufficient lead time to enable emergency flood mitigation procedures to promote resident's safety, safeguard flood prone areas and as a result minimize flood related damage and loss of life.</p>						
Section 28.1 Permit Administration and Compliance Activities/ Enforcing and Administering the Act	Reviewing and processing permit applications, technical reports, natural hazards studies, mapping and updates to regulation limits mapping. Site visits/ inspections, communication with applicants, agents, and consultants. Property enquires and legal expenses for regulations and compliance. Administering and enforcing sections 28, 28.0.1, and 30.1 of the act as required.	1	Mandatory in accordance to CA Act	MNRF: \$1,590 = 5% Levy: \$22,545 = 73% Fees: \$6,850 = 22%	\$30,985	Prior to February 2022, Present
Review Under Other Legislation	Input and review on a variety of different Acts including, The Aggregate Resources Act, Drainage Act, Environmental Assessment Act and The Ontario Planning Act.	1	Mandatory in accordance to CA Act	Levy: \$2,312 = 100%	\$2,312	Prior to February 2022, Present
Municipal Plan Input and Review	Provide technical information, advice, and policy support to municipalities on matters relating to Natural Hazards Policies (Section 3.1 under the PPS) with a focus on Official Plan and Official Plan Amendments. This includes: broad policy interpretation, transfer of data,	1	Mandatory in accordance to CA Act	Levy: \$4,699 = 36% Special Levy: \$8,250 = 64% (each of the 5 municipalities contribute a portion of the \$8,250 yearly)	\$12,949	Prior to February 2022, Present

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	information and science to municipalities, and provision of advice on matters relating to natural hazards policy to Ministry of Municipal Affairs and Housing.					
Flood Forecasting and Warning	Daily data collection and monitoring of local weather forecasts hydrometric stations, local water level forecasts and watershed conditions. Flood event forecasting, provincial watershed condition statements and inter agency communications in the event of a flood. Maintenance of flood forecasting equipment and annual meeting with applicable inter agency flood emergency coordinators.	1	Mandatory in accordance to CA Act	MNRF: \$32,006 = 16% Levy: \$167,967 = 84%	\$199,973	Prior to February 2022, Present
Flood and Erosion Control Infrastructure Operation and Management NOTE: To be completed on or before December 31, 2024 per requirements in Section 5 of the Mandatory Programs and Services Regulation	Flood and erosion control infrastructure and low flow augmentation. Includes 1 dam	1	Mandatory in accordance to CA Act	MNRF: \$2,617 = 19% Levy: \$10,894 = 77% WECl: \$625 = 4%	\$14,136	Prior to February 2022, Present

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Ice Management Services NOTE: Ice Management Plan(s) to be completed as necessary on or before December 31, 2024 per requirements in Section 4 of the mandatory Programs and Service Regulation	Providing advice for ice jam prevention and mitigation through-out the winter season	1	Mandatory in accordance to CA Act	MNRF: \$1,250 = 8% Special Levy: \$14,157 = 92% (Township of Malahide incurs the Special Levy yearly)	\$15,407	Prior to February 2022, Present, Future (Ice Management Plan)
Catfish Creek Channel Monitoring	Monitoring the Catfish Creek channel morphology changes at Port Bruce due to seasonal loading and/or scour by bathometric sounding the lower reaches of the Catfish Creek through Port Bruce.	1	Mandatory in accordance to CA Act	MNRF: \$1,250 = 8% Special Levy: \$14,158 = 92%	\$15,508	Prior to February 2022, Present, Future
Drought and Low Water Response	Monitoring of surface and groundwater conditions and analysis of low water data for dissemination to irrigators, landowners and applicable government agencies. Technical and administrative support to regional advisors, and the CCCA's Irrigation Committee	1	Mandatory in accordance to CA Act	Other Grants: \$3.223 = 100% (Grant ended in 2018)	\$3,223	Prior to February 2022, Present
Natural Hazards Technical Studies and Information Management	Data collection and study of technical report designs to mitigate natural hazards. Development and use of systems to collect and store data and to provide spatial geographical representations of data.	1	Mandatory in accordance to CA Act	Levy: \$18,756 = 88% Revenue: \$2,655 = 12%	\$21,411	Prior to February 2022, Present

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Natural Hazards Communications, Outreach and Education	Promoting public awareness of natural hazards including flooding, drought, and erosion. Social media services. Media relations. Natural Hazards Studies, Mapping and Updates to Regulation Limits Mapping and Data Transfer to Public, through Web based Map(s) showing Regulation Limits.	1	Mandatory in accordance to CA Act	Levy: \$15,623 = 97% Donations: \$450 = 3%	\$16,073	Prior to February 2022, Present
Provincial Water Quality and Quantity Monitoring - see 21.1 (1) 2 of the Conservation Authorities Act; ; Section 12(2) and 12(3) of the Mandatory Programs and Services Regulation O.R. 686/21						
The CCCA, in partnership with Ministry of Environment, Climate Change and Parks (MECP), and has established long term sites to monitor surface and ground water conditions.						
Provincial Water Quality Monitoring Network (PWQMN)	A long-standing CA/MECP partnership for stream water quality monitoring at 4 sites. CCCA collects monthly water samples and field measurements and MECP performs lab analysis and data management. Information is used for watershed report cards and stewardship project prioritization.	1	Mandatory in accordance to CA Act	Reserves: \$800 = 100% Beginning 2022: Levy: 100%	\$800	Prior to February 2022, Present
Provincial Groundwater Monitoring Network (PGMN)	The Provincial Groundwater Monitoring Network is a partnership program with all 36 Ontario conservation authorities and 10 municipalities (in areas not covered by a conservation authority) to collect and manage ambient (baseline) groundwater level and quality information from key aquifers located across Ontario. CCCA manages 5 wells	1	Mandatory in accordance to CA Act	Reserves: \$1,300 = 100% Beginning 2022: Levy: 100%	\$1,300	Prior to February 2022, Present

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Integrated Water and Climate Station	CCCA uses four MECP hydrometric stations to monitor flows and precipitation within the Catfish Creek Watershed	1	Mandatory in accordance to CA Act	Reserves: \$500 = 100% Beginning 2022: Levy: 100%	\$500	Prior to February 2022, Present
<p>Local Water Quality Monitoring - see 21.1 (1) 2 of the Conservation Authorities Act; ; Section 12(2) and 12(3) of the Mandatory Programs and Services Regulation O.R. 686/21</p> <p>Water quality monitoring is an essential part of keeping the planet healthy and sustainable. Land based activities can have a huge impact on water systems and it's critical that we realise how these affect waterbodies, both above and below ground.</p>						
Surface Water Quality Monitoring Program	In addition to PWQMN, CCCA maintains nine benthic monitoring sites across the watershed. CCCA responds to local spills events at the request of MECP. Costs include sampling, analysis and reporting.	1	Mandatory in accordance to CA Act	Reserves: \$1,200 = 100% Beginning 2022: Levy: 100%	\$1,200	Prior to February 2022, Present
Well Program	CCCA does not have any additional well monitoring programs apart from the PGMN program which encompasses 5 wells at two locations within the CCCA watershed.	1	Mandatory in accordance to CA Act	n/a	n/a	Prior to February 2022, Present
Watershed Report Card	Conservation Authorities report on local watershed conditions every five years. Measuring environmental indicator changes within the watershed, with a focus with a focus on Authority managed projects to evaluate efforts and track progress.	1	Mandatory in accordance to CA Act	Municipal Levy: \$750 = 100%	\$750	Prior to February 2022, Present
<p>Drinking Water Source Protection - see 21.1 (1) 1 iii of the Conservation Authorities Act; Section 13 of the Mandatory Programs and Services Regulation O.R. 686/21</p> <p>The protection of municipal drinking water supplies in the Southwest region through the development and implementation of Source Protection Plans, acting as an SPA</p>						

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Drinking Water Source Protection (DWSP)	CCCA provides technical support, Source Protections Committee support, Source Protection Authority reports and meetings. Activities required by the Clean Water Act and regulations. Assist with implementation of source protection plan for the Lake Erie Source Protection Region.	1	Mandatory in accordance to CA Act	Other Grants: \$3,408 = 91% Reserves: \$337 = 9% Beginning 2022: Levy:100%	\$3,745	Prior to February 2022, Present
<p>Conservation Lands - see 21.1 (1) 1 ii of the Conservation Authorities Act; Sections 9-1 of the Mandatory Programs and Services Regulation O.R. 686/21</p> <p>The CCCA owns 554.44 hectares of land including conservation areas, management areas, managed forest, and flood control structures.</p>						
Section 29 Minister's Regulation Rules of Conduct in Conservation Areas (O. Reg. 688/21)	Conservation areas regulations enforcement/compliance. Incurred legal expenses for regulation and compliance	1	Mandatory in accordance to CA Act	Revenue: \$6,556 = 100%	\$6,556	Prior to February 2022, Present
Springwater Conservation Area	CCCA operates one campground and its associated facilities, generates our main revenue stream and offsets costs of mandated programs.	3	No Municipal Levy used, Self Generated – 100%	Revenue: \$421,892 = 74% Grants: \$154,149 = 26%	\$576,041	Prior to February 2022, Present
CCCA forests and management areas (not Conservation Areas)	Management and maintenance of CA owned lands (will all be listed in the Land Inventory). Includes forest management, signage, gates, passive recreation, stewardship, restoration, ecological	3	No Municipal Levy used, Self Generated – 100%	Grants: \$3,846 = 5% Donations: \$22,983 = 29% Revenue: \$37,444 = 66% (excess	\$27,646	Prior to February 2022, Present

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	monitoring, carrying costs such as taxes and insurance.			transferred to reserves)		
Conservation Areas	Management and maintenance of three passive day use conservation areas (Yarmouth Natural Heritage Area, Archie Coulter and Springwater Forest, not the Campground) with recreational trails. Includes passive recreation, risk management program, hazard tree management, gates, fencing, signage, brochures, communications, pedestrian bridges, trails, parking lots, pavilions, roadways, stewardship, restoration, ecological monitoring, carrying costs such as taxes and insurance.	1	Mandatory in accordance to CA Act	Donations: \$4,398 = 6% Revenue: \$6,191 = 8% (excess transferred to reserves) Grants: \$4,808 = 41% Revenue: \$5,058 = 43% Donations: \$800 = 7% Reserves: \$1,089 = 9%	C.A. \$552 Maple Festival: \$11,755	Prior to February 2022, Present
Conservation Area Major Maintenance	Major maintenance and capital improvements to support public access, safety and environmental protection such as pedestrian bridges, boardwalks, trails.	1	Mandatory in accordance to CA Act	Grants: \$48,641 = 62% Reserves: \$2,186 = 3% Reserves: \$17,381 = 75% Donations: \$5,660 = 25%	GLLAF \$50,827 SPW C.A. Dev. \$23,041	Prior to February 2022, Present
Land acquisition	Strategic acquisition of environmentally significant properties.	3	No Municipal Levy used, Self Generated – 100%	TBD by each individual acquisition	TBD by each individual acquisition	Prior to February 2022, Present
Inventory of Conservation Authority Lands	The land inventory includes the following information: location as well as date, method and purpose of acquisition, land	1	Mandatory in accordance to CA Act	Levy: \$5,550	\$5,550	Prior to February 2022, Present

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NOTE: Inventory to be completed on or before December 31, 2024 per requirements in Section 10 of the Mandatory Programs and Service Regulation	use. One-time project with updates as properties are acquired or disposed of.					
Core Watershed – based Resource Management Strategy NOTE: To Be Completed on or before December 31, 2024 per requirements in 12(4)(9) OF THE Mandatory Programs and Service Regulation	New Project: A strategy to guide the management and use of CA-owned or controlled properties including: guiding principles, objectives, land use, natural heritage, classifications of lands, mapping, identification of programs and services on the lands, public consultation, publish on website. One-year project. This is an updated to previous conservation area management plans.	1	Mandatory in accordance to CA Act	Levy: \$5,550	\$5,550	Future December 31, 2024)
Land Acquisition and Disposition Strategy	A policy to guide the acquisition and disposition of land in order to fulfill the objects of the authority is to be created before the end of the Transition Period	1	Mandatory in accordance to CA Act	Reserves: \$3,500 = 100%	\$3,500	Prior to February 2022, Present Completed August 2020
Watershed Stewardship and Restoration (Urban, rural & agricultural)						

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<p>The stewardship and restoration program has three key components: one-on-one technical assistant to watershed landowners, connecting landowners with cost-share funding, and the reforestation program. Projects reduce the risk to life and property from natural hazards, protect water quality and quantity, improve forest conditions, increase biodiversity and make the watersheds more resilient to climate change.</p>						
Private Land Stewardship Program/ Integrated Resource Management	Work with property owners to implement Best Management Practices to mitigate flood and erosion hazards, improve and protect water quality, restore floodplains and river valleys, reduce nutrient contamination, restore and enhance wetlands to reduce flooding peaks and augment low flow, management of terrestrial non-native invasive species, protect groundwater, and improve aquatic species at risk habitat. Apply for and manage external funding, promote private land stewardship such as tree planting, wetlands and tall grass prairie plantings, outreach, provide technical advice and design assistance.	3	No Municipal Levy used, Self Generated – 100%	Grants: \$12,572 = 32% Revenue: \$11,536 = 29%	Private Lands Projects: \$24,108	Prior to February 2022, Present
Tree Planting and Forestry Service	Site preparation, tree and shrub planting, and survival assessments, technical assistance, hazard tree abatement, link to funding programs to maintain form and function of watershed forest cover. Administration of Malahide Roadside Tree Planting Program. Agreement with Town of Aylmer to manage Aylmer Woodlot	2, 3	Municipal Services offered, no levy used. Self Generated - 100%	Grants: \$7,218 = 18% Donations: \$1,080 = 3% Revenue: \$1,515 = 4% Reserves: \$5,234 = 13%	\$15,047	Present/ Long Standing Agreements in place with Malahide Township and The Town of Aylmer
<p>Enabling Services:</p> <p>Key assistance provided to all departments of the conservation authority, board of directors, member municipalities and the general public to enable the CCCA to operate in an accountable, efficient and effective manner.</p>						

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Corporate Services	Administrative, human resources, operating and capital costs which are not directly related to the delivery of any specific program or service, but are the overhead and support costs of a conservation authority. Includes health and safety program, overseeing programs and policies.	1	Mandatory in accordance to CA Act	MNRF: \$2,500 = 5% Levy: \$27,961 = 51% Reserves \$23,009 = 41% Revenue: \$1,586 = 3%	\$55,056	Prior to February 2022, Present
Financial Services	Annual budget, accounts payable and receivable, payroll, financial analysis, financial audit, administration of reserves and investments, financial reports for funding agencies, preparing and submitting reports to CRA, benefits program administration.	1	Mandatory in accordance to CA Act	Levy: \$12,658 = 36% Reserves: \$22,416 = 64%	\$35,074	Prior to February 2022, Present
Legal Expenses	Costs related to agreements/contracts, administrative by-law updates	1	Mandatory in accordance to CA Act	Reserves: \$16,842 = 100%	\$16,842	Prior to February 2022, Present
Governance	Supporting CA Boards, Advisory Committees, GM and Senior Management.	1	Mandatory in accordance to CA Act	Levy: \$14,453 = 100%	\$14,453	Prior to February 2022, Present
Communications and Outreach	Informing public of CCCA programs and projects through media, open houses, public meetings, website administration, responding to inquiries from the public, crisis communications.	1	Mandatory in accordance to CA Act	Levy: \$15,623 = 97% Donations: \$450 = 3%	\$16,073	Prior to February 2022, Present
Administration Building	Office buildings and workshop used to support CCCA staff, programs and services. Includes utilities, routine and major maintenance, property taxes.	1	Mandatory in accordance to CA Act	Levy: \$27,297 = 100%	\$27,297	Prior to February 2022, Present

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Information Technology Management/ GIS	Data management, records retention. Development and use of systems to collect and store data and to provide spatial geographical representations of data.	1	Mandatory in accordance to CA Act	Levy: \$27,141 = 92% Revenue: \$2,654 = 9%	\$29,795	Prior to February 2022, Present
Vehicle and Equipment	A fleet of vehicles and equipment to support the work of the CCCA, including capital purchases, fuel, licenses, repairs and maintenance. Programs and projects are charged for the use of the vehicles and equipment.	1	Mandatory in accordance to CA Act	Levy: \$4,405 = 7% Revenue: \$32,045 = 48% Reserves: \$30,708 = 46%	\$67,158	Prior to February 2022, Present
<p>Conservation Education and Community Outreach Program Description: Education and outreach programs increase knowledge and awareness in children and adults about local environmental issues, watersheds and ecosystems and conservation actions they can implement.</p>						
Education Programs	Curriculum-based education programs for elementary and secondary students. These programs focus on local watersheds, ecosystems, and environmental issues. Programs take place in the conservation areas and assist to study the diverse ecosystems they are surrounded by. Programs include, Aquatics, Terrestrial, and Soils Workshops.	3	No Municipal Levy used, Self Generated – 100%	Grants: \$13,543 = 72% Revenue: \$10,004 = 53% Donations: \$2,020 = 11% Reserves: -\$6,756 = -36%	\$18,811	Prior to February 2022, Present
Education Programming in Conjunction with Thames Valley Schoolboard	An annual Memorandum of Understanding is signed with Thames Valley District Schoolboard leasing a part of Springwater Forest to the Jaffa Outdoor Education Center for an outdoor classroom. The Maple Program, Marsh Quest and Forest Festival are all ran in conjunction with Thames Valley District Schoolboard staff.	3	No Municipal Levy used, Self Generated – 100%	Revenue: \$12,500 = 100%	\$12,500	Prior to February 2022, Present

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Education (ELP)	ELP is an Environmental Based program ran through East Elgin Secondary School. The students work in conjunction with the Authority to manage woodlots on Authority and privately owned lands, and complete various stewardship projects on Authority and privately owned lands.	3	No Municipal Levy used, Self Generated – 100%	Donations: \$4,500 = 55% Revenue: \$2,800 = 34% Reserves: \$870 = 11%	\$8,170	Prior to February 2022, Present