FGCA 2022-23 Projects

Project #	FGCA 2022-1
Project Title	Pw Renewal Under CC
Project Description	Given the changing landscape, loss of provincial support in southern Ontario and the changes to provincial policy, the FGCA is undertaking strategic planning to aid crown forest management under a changing climate. Species winners that are also of economic interest is one aspect. And White pine is one such species, and has the benefit of significant prior investment in southern Ontario White pine seed orchards. The FGCA has invested over 20 years in conserving the value of 7 White pine seed orchards with its local partners across southern Ontario, including approximately $50,000/year which also resulted in significant banking of bulk and clonal seedlots from these orchards. The orchards represent a prior MNR (MNRF - pre 1990) investment of about $250,000 each in the 1980s (approximately $590,000 in 2021$). The seed orchards are significant resources that have supported FGCA members and associates in forest renewal efforts.. FGCA will develop a working group to review the current management plans, demand for seed, age and state of the orchards along with a number of other elements to begin to understand the value of the southern orchards: Cayuga, Glencairn and Scugog orchards to crown forest management.
Project Funding	$28,250.00

Project #	FGCA 2022-2
Project Title	BMFC Forest Vulnerability
Project Description	This is phase two of a 2019/20 project called SFL-Focused Climate Change Adaptation Planning. It is also a sister project to the 2021.2 WW Forest vulnerability CAa. BMFC and FGCA will be discussing ways in which the FGCA can support Bancroft Minden Forest Company (BMFC) in undertaking climate change adaptation projects. This project will involve combining ArcGIS SeedWhere climate mapping work with species vulnerability data, and Climate Moisture Indices (CMI), and the Bancroft-Minden electronic forest inventory data to determine what stand types may experience the greatest threat under RCP 8.5. This work will be modeled slightly after a project conducted by the Petawawa Research Forest in partnership with the Canadian Forest Service.
Project Funding	$11,300.00

Project #	FGCA 2022-3
Project Title	Seed Quality Guidelines
Project Description	This project builds on work between the FGCA, National Tree Seed Centre and other partners to develop guidelines for cone handling, processing, storage, testing, etc. to ensure quality throughout the supply chain. This phase of the project sees FGCA applying the guidelines and monitoring its effectiveness and providing training (both virtual and in person), to staff, members, partners, associates and organizations conducting related operations across Ontario (including Northern Ontario).
Project Funding	$11,300.00

Project #	FGCA 2022-4
Project Title	Seed Orchard Management
Project Description	The FGCA is looking to continue management operations that will ensure the southern Ontario white pine clonal seed orchards (seed zones 37, 38 and 32 to 34) will provide good cone and seed production for at least 10 years, in support of crown land white pine reforestation in Ontario. The focus continues on the 3 southern seed orchards which have undergone substantial management. Ensuring that these orchards are prepared for seed production is critical for the supply of white pine seed for crown forest managers.
Project Funding	$28,250.00

Project #	FGCA 2022-5
Project Title	SFL/FGCA Site Tours
Project Description	This project works to improve the partnership between the FGCA and its SFL partner members. This project ask for invitationinvolves site meetings with SFL representatives to discuss genetic installations, local forest vulnerabilities (e.g. Ash, Beech bark disease, Hemlock, White Spruce, etc), challenges with respect to climate change and adaptation recommendations and other elements critical for the conservation of genetic resources. It also works to ensure knowledge transfer to improve FGCA's ability to respond to the needs of these crown forest managers, and in many cases their new staff.
Project Funding	$16,950.00

Project #	FGCA 2022-6
Project Title	SPA Management
Project Description	This project will involve the assessment and tending activities of the Cayuga Assisted Migration Seed Production Areas (SPA) planted in 2020 and 2021. These SPAs will be intensively managed for the purpose of seed production. These Pw AM SPAs will have significant seed production potential, and with intensive management can start to produce cones and climate-ready seed within 25 to 40 years for central Ontario forest managers. This genetic material has already, after 10 years of testing in central Ontario, proven its adaptation and superior growth in central Ontario as compared to local sources. It is not too early to begin this important work. Without it, readily available, high quality, climate-ready sources of adapted white pine seed for central Ontario forests are uncertain.
Project Funding	$16,950.00

Project #	FGCA 2022-C
Project Title	FGCA Core Funding
Project Description	Core Funding
Project Funding	$141,250.00