

**FFT Genetic Resource Management Program
2021-2022 Forest Gene Conservation Authority Approved Projects**

FGCA 2021-1

Project	SFL Assisted Migration Network
Approved Funding	\$20,000
Description	This is the third year of a 3-year plan to work with 5 central Ontario Crown Forest Managers to establish operational white pine assisted migration plantings in at least 3 areas alongside local stock to allow comparison of performance.

FGCA 2021-2

Project	Westwind Seed Production Area US Source
Approved Funding	\$15,000
Description	Westwind Forest Stewardship Inc.(Westwind) and the FGCA have discussed ways in which the FGCA can support Westwind in undertaking climate change adaptation projects in the French Severn Forest. This is one of two projects in 2021 that will support Westwind in its adaptation efforts. This project will involve acquiring stock for an assisted migration Seed Production Area (SPA) which will be intensively managed for the purpose of seed production for different time periods of climate change.

FGCA 2021-3

Project	Westwind Forest Vulnerability
Approved Funding	\$15,000
Description	This is phase two of a 2019/20 project called SFL-Focused Climate Change Adaptation Planning. Westwind Forest Stewardship Inc.(Westwind) and the FGCA have discussed ways in which the FGCA can support Westwind in undertaking climate change adaptation projects in the French Severn Forest. This is one of two projects in 2021 that will support Westwind in its adaptation efforts. This project will involve taking the ArcGIS SeedWhere climate mapping work completed in 2020/21 by the FGCA and combining it with species vulnerability data, and Climate Moisture Indices (CMI), and the French Severn Forest Resource Inventory data to determine what stand types may experience the greatest threat under RCP 8.5.

FGCA 2021-4

Project	Seed Quality Guidelines
Approved Funding	\$15,000
Description	With the closure of the Ontario Tree Seed Plant, Ontario-based native seedling nurseries have begun to develop the capacity to handle, process, store and test seed. The FGCA is looking to partner with the National Tree Seed Centre to develop guidelines for cone and seed handling, processing, storage, testing, etc. to ensure quality throughout the supply chain.

FGCA 2021-5

Project	Cayuga SPA Westmeath (COVID)
Approved Funding	\$12,000
Description	This application is for funding to make up for the work that could not be completed last year under COVID restrictions. It was to be the final of a 3-year project to strategically establish at 3 White Pine Assisted Migration Seed Production Areas. Only 2 of 3 sites were planted and tended in 2020 / 2021. The planting of the Westmeath White pine assisted migration (AM) Seed Production Areas (SPA), the largest site, now with 2 year old bareroot stock (last year's container stock was transplanted to hold it over) has to be done, along with first year tending and monitoring.

FGCA 2021-6

Project	Final Southern Seed Orchard Thinning
Approved Funding	\$20,000
Description	The FGCA has had to prioritise the completion of major management operations in the southern white pine seed orchards due to significant increases in costs and lack of contractors. Work that began in 2018/19 in Cayuga and Scugog seed orchards will be completed to ensure the orchards in site regions 7E (seed zones 37, 38) and 6Ewest (seed zones 32 to 34) will provide good cone and seed production for at least 10 years, in support of crown land white pine reforestation in central Ontario.

FGCA 2021-7

Project	FGRM Shortcourse Delivery
Approved Funding	\$10,000
Description	FGCA is proposing to deliver FGRM shortcourses to our members and associates to address the need for more deliberate recognition and application of basic gene conservation principles in forest management. FGCA has been educating members and associates in south central Ontario about forest gene conservation and genetic resource management for many years.