FFT Silviculture Program 2023-24

List of Closed Projects

Project Number: 964-1-R47 Stand Improvement in Partial Cut Stands	
Applicant:	Westwind Forest Stewardship Inc.
Forest:	French Severn Forest
Funding:	$1,006,488.42
Description:	Stand improvement activities involving the felling of trees not considered merchantable but necessary to be removed in order to meet silvicultural objectives of providing light, spacing and quality improvement to both overstory and understory trees. The main target species to benefit are those that provide for the production of quality sawlog material. Specifically, this treatment will benefit tolerant hardwoods (primarily sugar maple, yellow birch, red oak, black cherry) and Great Lakes St. Lawrence conifers (primarily white pine, red pine, hemlock). This treatment occurs on those sites able to support partial cut systems. Diseased trees, trees crowding other trees and beech trees are examples of stems to be targeted for removal.

Project Number: 968-1-R47 Mazinaw-Lanark Forest Intensive Stand Improvement	
Applicant:	Mazinaw-Lanark Forest Inc.
Forest:	Mazinaw-Lanark Forest
Funding:	$115,943.67
Description:	Intensive silviculture treatments will be applied to productive sites with the objective to promote high-quality tolerant hardwood, red oak, red pine and white pine development. Stand improvement treatments will be used to increase the growth rates and quality of the remaining stems through the removal of undesirable and non-merchantable stems. These intensive stand-improvement treatments will help to ensure a greater proportion of high quality future growing stock is obtained.

Project Number: 989-2-R48 Dirtywater Salvage	
Applicant:	MNRF Kenora District
Forest:	Whiskey Jack Forest
Funding:	$29,068.12
Description:	This project includes slash piling, slash pile burning, site preparation and planting of 335,700 seedlings on 186.5 hectares (gross area) of area that was infected by jack pine budworm in 2006 and subsequently suffered wind damage in 2016 and 2017. This project area is traditionally a spring and summer harvesting operating area, within 80km of 2 local sawmills and a laminated strand lumber mill; therefore the re-establishment of this close operating and viable productive area will potentially serve 3 local fibre users.

Project Number: 982-1-R48 Mazinaw-Lanark Forest Prescribed Burn	
Applicant:	Mazinaw-Lanark Forest Inc.
Forest:	Mazinaw-Lanark Forest.
Funding:	withdrawn
Description:	A prescribed burn treatment has been scheduled in September 2019 to site prepare two post-harvest blocks for renewal by broadcast seeding or hand planting methods. Prescribed fire will be applied to the cutover area to emulate natural disturbance and consume post-harvest coarse fuels (top material and undesirable midstory) while creating a suitable seedbed for the artificial regeneration of flagship species. The objective is to restore even-aged white and red pine forests on degraded mixed-wood sites. An Enhanced Harvest treatment has been integrated into the harvest operations to remove undesirable midstory with heavy equipment balsam fir and red maple and dump at the stump. This undesirable midstory material must be removed to achieve suitable sunlight conditions on the forest floor and will increase fuel load and fuel distribution across the block to help meet coarse/fine fuel consumption targets.

Project Number: 994-1-R49 Tolerant Hardwood Stand Improvement (2020-2023)-R49	
Applicant:	Northshore Forest Inc.
Forest:	Northshore Forest
Funding:	$29,271.39
Description:	The objective of this project is to significantly improve health, development, and quality of tolerant hardwood stands (sugar maple & yellow birch) on the Northshore Forest. Stands are in poor health due to decades of harvesting without tree-marking or stand improvement treatments. This project is designed to implement a stand improvement treatment that will ensure the removal undesirable growing stock (trees) thereby allowing stand health and quality to improve in the shortest possible time.

Project Number: 995-1-R49 White Pine Cleaning	
Applicant:	Northshore Forest Inc.
Forest:	Northshore Forest
Funding:	$51,818.40
Description:	Four hundred and nineteen (419 ha) of regenerated white pine areas will be cleaned to release the white pine from competing vegetation over a three year period

Project Number: 996-4-R49 Seedling Production for Artificial Regeneration due to Insolvent Company	
Applicant:	Raynonier
Forest:	Martel Forest
Funding:	$7,478.10
Description:	The purpose of this project is to recoup monies owed to the Martel Forest's Forest Renewal Trust Fund, due to the closure of Rentech in 2017. The recouped money would be put towards the sowing and/or delivery costs of the 2020 Martel Tree Plant.

Project Number: 999-1-R49 Stand Improvement In White Pine Shelterwood Stands	
Applicant:	The Vermillion Forest Management Company Ltd.
Forest:	Sudbury Forest
Funding:	$191,965.82
Description:	One manual tending treatment over a three year period will occur in white pine stands harvested under Uniform Shelterwood. Stands have been chosen that currently have a high white/red pine presence but low Pw/Pr dominance (i.e. not free of competition). All stands were harvested under regeneration cut stage of management between 1991 and 2004 either under previous management to the SFL, or early after the initiation of the SFL Company.

Project Number: 1008-1-R50 Red Pine Pre-Commercial Thinning	
Applicant:	Bancroft Minden Forest Company Inc.
Forest:	Bancroft Minden Forest
Funding:	$10,995.35
Description:	A pre-commercial first thinning treatment is proposed in even-aged red pine plantations on the Bancroft Minden Forest Management Unit (FMU). These candidate stands are approximately 25-35 years old and were established artificially after the last harvest. These sites are uniform in stand structure, species composition and generally support low species diversity. An estimated 60% of the material on-site is below CFSA merchantability standards, and small piece size means and product would be of low value. Low product value combined with limited local markets significantly challenge commercial viability.

Project Number: 1013-1-R50 Tolerant hardwood Stand Improvement on the Algoma Forest 2020-2023

Applicant:	Clergue Forest Management Inc.
Forest:	Algoma Forest
Funding:	$380,877.80
Description:	Algoma Forest tolerant hardwoods have a high percentage of poor quality trees defined as unacceptable growing stock (UGS) that should be removed from stands to increase growth increment on higher quality stems and to promote renewal through natural regeneration. A portion of these UGS trees are either unmerchantable or are marginally economic to harvest. Funding from FFT will support removal of UGS trees, promoting the performance of residual trees. This treatment is an integral part of selection and shelterwood harvesting in tolerant hardwood forest units.

Project Number: 1059-2-R52 Tending artificial regeneration following wildfire NOR062	
Applicant:	Nipissing Forest Resource Management
Forest:	Nipissing Forest
Funding:	$106,239.08
Description:	NOR062 was a large wildfire that burned 2500 ha in the Nipissing forest July-Aug 2018. This project will focus on tending (where necessary) planted Pw and Pr, and aerial seeded PjSb and Pw.

Project Number: 1067-1-R52 Stand Improvement in Degraded Hardwood and Conifer Stands	
Applicant:	Nipissing Forest Resource Management
Forest:	Nipissing Forest
Funding:	$177,701.47
Description:	Hardwood and conifer stands throughout the Nipissing Forest have been degraded as a result of historical high-grading, diameter limit harvesting, and lack of stand improvement. These practices have resulted in a high proportion of small non-merchantable off-site stems below CFSA standards with marginal marketability. If approved, this concurrent with harvest stand improvement project will facilitate the revitalization of productive sites totaling 1974 ha over three years. It is expected that local First Nation harvesting contractors will be responsible for a high proportion of the harvesting.

Project Number: 1069-1-R52 Stand Improvement in Degraded Pw Shelterwood Stands	
Applicant:	Vermillion Forest Management
Forest:	Sudbury Forest
Funding:	$13,644.75
Description:	The Sudbury Forest contains prime sites for white pine and red pine shelterwood stands that are burdened with a high proportion of small unmerchantable and unmarketable stems. These stems take up growing space and block sunlight effectively preventing the production of fully stocked, high-quality pine. The project will implement stand improvement cutting in concurrence with eligible and planned harvest to facilitate optimal conditions for natural and artificial regeneration of productive white pine and red pine shelterwood stands.

Project Number: 1076-1-R52 English River Productive Land Recovery	
Applicant:	Resolute FP Canada Inc.
Forest:	English River Forest
Funding:	withdrawn
Description:	The objective of this project is to reclaim productive land from: 1) operations during the 1980's to 1995, and 2) areas primarily left brecover are debris piles, landings or pit areas where regeneration has not established to full stocking from the now bankrupt overlapping licensee Buchanan Forest Products. Areas proposed to historic and OLL operations. Planting spots will be created by a power-trencher or M24 Brake; planting will follow with a mix of black spruce and white spruce.

Project Number: 1079-2-R52 Anderson Jack Pine Budworm.	
Applicant:	Domtar
Forest:	Trout Lake Forest

Funding:	$229,725.41
Description:	The Anderson road project will be regenerated through treatments that will include mechanical site preparation (2021) stock production (2022) and a tree plant (2023). This stand was damaged by the jack pine bud worm and harvested for salvage. Soil conditions are deep to moderate, fresh to moist sandy or coarse loamy. Target species are jack pine and black spruce.

Project Number: 1117-2-R53 2021 Tornado Renewal	
Applicant:	Algonquin Forestry Authority
Forest:	Algonquin Forest Park Forest
Funding:	$92,699
Description:	Mechanical site preparation and/or planting of white, red, and jack pine along with smaller quantities of other species across an area that was affected by an EF-2 rated tornado near Lake Traverse in Algonquin Park on July 15, 2021. The affected areas are typically site class 1 or 2 and have previously yielded high quality pine. Salvaged areas will either be site prepared and planted, or direct planted without site preparation, or infill planted in areas with significant amounts of acceptable regeneration.

Project Number: 1118-3-R53 Control of Beech Regeneration	
Applicant:	Westwind
Forest:	French Severn Forest
Funding:	$373,541
Description:	This project will result in the reduction and control of beech regeneration in the understory of tolerant hardwood stands. The project is undertaken due to the proliferation of beech bark disease in this part of the province which will prevent this regeneration from becoming healthy mature trees. The project will promote the establishment and/or release of other tree species such as sugar maple to be recruited into the canopy. Stem specific methods of control - primarily basal bark - will be used.

Project Number: 1123-1-R53 Bark Mulch Site Preparation Project	
Applicant:	Resolute FP Canada Inc.
Forest:	English River Forest
Funding:	alternate funding accessed
Description:	Renewing the forest is a dynamic challenge that requires innovation to ensure continued success. The project proposes application of bark mulch as an intensive site preparation treatment. The objective of the project is to address long-term wood supply through renewal of former roads to a conifer stand conditions. Renewal would be done with site preparation, by bark mulch application, and planting.

Project Number: 1131-2-R54 -Red Pine Plantation Thinning	
Applicant:	Nipissing Forest Resource Management Inc.
Forest:	Nipissing #54205
Funding:	$50,307.60
Description:	Red pine dominated plantations will be thinned intensively by manual methods over a two-year period consistent with the red pine stand density management diagram to optimize small sawlog and posts in the short-term and large sawlog and utility poles in the long-term. Three local established First Nations contractors have expressed interest in being trained for all aspects of the project.

Project Number: 1132-2-R54 Tending Natural Regeneration Following Wilfire NOR062	
Applicant:	Nipissing Forest Resource Management Inc.
Forest:	Nipissing #54205
Funding:	$28,282.44
Description:	NOR062 was a large wildfire that burned 2500 ha in the Nipissing Forest July-Aug 2018. This project will focus on tending (where necessary) natural regeneration (Pj, PW, SB) that established after the fire.

Project Number: 1135-2-R54 Mac/Bunny Lake Salvage Area Renewal Project	
Applicant:	Miisun Integrated Resource Management
Forest:	Whiskey Jack MU 490
Funding:	$178,032.66
Description:	Our project consists of artificially regenerating two areas that were affected by the same jack pine budworm and snow damage events. The treatments we plan to run are mechanical site preparation, followed by planting of jack pine, black spruce, and red pine. This project is being submitted under Category 2: Stand Rehabilitation after Natural Disturbance

Project Number: 1139-2-R54 Lake Nipigon Wildfire Seeding Program	
Applicant:	Lake Nipigon Forest Management Inc.
Forest:	Lake Nipigon Forest
Funding:	$43,538.89
Description:	In June 2021, a total of 1,543.5 ha was burned due to wildfires in the Camp 81 and Gravel River area (NIP007 and NIP008). Subsequently, regeneration in the naturally disturbed areas will likely not achieve the renewal parameters documented in table FMP-4: Silviculture Ground Rules {SGR), which will negatively impact plan objectives analyzed in Table FMP-10: Assessment of Objective Achievement. Supplemental aerial seeding of Jack Pine and Black Spruce will enhance the sites' ability to meet objectives and SGRs identified in the Forest Management Plan (FMP). Due to the fire intensity, rocky terrain, and shallow soils in the area, these fires have left exposed mineral soil that could act as a seed bed without the need of mechanical site preparation. Approximately 945 ha of the burned stands will receive aerial seeding as poor access has contributed to netting down the total area being treated.

Project Number: 1140-1-R54 Thinning of Unmarketable Red Pine Plantations	
Applicant:	Nipissing Forest Resource Management Inc.
Forest:	Nipissing #54205
Funding:	$52,703.20
Description:	Red pine dominated plantations currently not economically viable will be mechanically thinned over a three-year period consistent with the red pine stand density management diagram to optimize small sawlog and posts in the short-term and large sawlog and utility poles in the long-term.

Project Number: 1151-1-R55 Tend Previous FFT projects	
Applicant:	Nipissing Forest Resource Management Inc.
Forest:	Nipissing Forest
Funding:	$55,621.67
Description:	Degraded white pine/red pine stands that were submitted for FFT funding in the past have been monitored and require a tending treatment to reach regeneration standards for the PWUS forest unit. All blocks are managed under SGR's with PWUS as the future forest condition.

Project Number: 1152-1-R55 Manual Stand Improvement in Natural and Planted Conifer	
Applicant:	Nipissing Forest Resource Management Inc.
Forest:	Nipissing Forest
Funding:	$309,168.00
Description:	Stand improvement using manual saws is proposed in a range of conifer forest units (White Pine Uniform Shelterwood and intensively managed clearcuts). Reducing the stocking of balsam fir below 20% is the objective of this project. Primary crop trees for release: red and white pine and spruce. Mid-tolerant hardwoods will be maintained or increased. Stands will be chosen that currently have a high crop tree presence but low dominance. Up to three local First Nation forestry services companies may be contracted to complete the work. NFRM will provide assistance with training if required. Total Area: 500 ha.

Project Number: 1160-1-R56 OVF Even-Aged Stand Tending	
Applicant:	Ottawa Valley Forest Inc.
Forest:	Ottawa Valley Forest
Funding:	$72,020.27
Description:	Stands established with previous Forestry Futures funding will be receive chemical and manual tending to successfully achieve renewal standards within their respective forest units. The target regeneration in these stands will primarily be White Pine, Red Pine and Red Oak.

Project Number: 1168-1-R56 Black Cherry Release	
Applicant:	Clergue Forest Management Inc.
Forest:	Algoma Forest
Funding:	$3,955.00
Description:	Abundant black cherry regeneration and polewood is competing heavily with sugar maple on a small site (< 1ha). Project intent is brush saw release of black cherry from non-merchantable maple competition. An experienced tree-marker and woodlot manager will be employed. Intent is to create large release areas (up to 30m) around young regeneration, where a positive growth response can be anticipated, and smaller release areas (15m +/-) around saplings, polewood, and seed-trees where a lesser growth response can be expected and where there is concern around creating a shock effect from over-release.

Project Number: 1175-2-R56 FOR26 Fire Renewal	
Applicant:	Boundary Waters Forest Management Corp /Resolute
Forest:	Boundary Waters
Funding:	$7,565.32
Description:	In 2021, forest fire 'FOR26' burnt an area previously planted on the Boundary Waters Forest. The project objective is to renew, by planting, this area with a mix of white pine, jack pine, and black spruce one-year overwinter container stock in the spring of 2023.

Project Number: 1179-3-R56 Northeast Region 2023 Spruce Budworm Insect Pest Management Program	
Applicant:	MNRF, Northeast Region
Forest:	MNRF, Northeast Region
Funding:	$5,650,000.00
Description:	The 2023 annual aerial detection survey for spruce budworm (Choristoneura fumiferana Clemens) conducted by MNRF identified about 2 million hectares of moderate to severe defoliation in forest management units across the northeast region. This is a significant increase from the 442,000 hectares identified in the 2020 survey and has contributed to about 58,000 cumulative hectares of mortality. In order to mitigate the economic, safety and social impacts presented by the current expansion of the budworm infestation, an Insect Pest Management Program (IPMP) has been developed for 2023 and the approved 2023 Spruce Budworm IPMP for the Abitibi River Forest (Hearst Cochrane Kapuskasing District), Gordon Cosens Forest (Hearst Cochrane Kapuskasing District District), Pineland Forest (Chapleau Wawa District), Romeo Malette Forest (Timmins Kirkland Lake District), Timiskaming Forest (Timmins Kirkland Lake District), and Spanish Forest (Sudbury District) was appended into their respective Annual Work Schedules. The 2023 Spruce Budworm IPMP identifies the use of insecticides as the preferred management option. This will involve a double (X2) aerial application of Foray 76B (registration no. 24976), a water-based insecticide manufactured by Valent BioSciences . Bacillus thuringiensis var. kurstaki (Btk) is the active ingredient in the insecticide.