

**SILVICULTURE PROGRAM:
STAND MANAGEMENT, REMEDIATION AND PROTECTION**

LIST OF PROJECTS ON-GOING IN 2008/09

ROUND SEVENTEEN PROJECTS

PROJECT NUMBER: 471-2-R17

APPLICANT: Domtar Inc.
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically fire.
FUNDING: Approved \$532,305 (\$180,984 in 2003/04; \$351,321 in 2004/05).
DESCRIPTION: This project will establish conifer plantations damaged in the 1999 Nipigon 12 wildfire. This project will provide employment to the local silvicultural contractors in Beardmore and the Lake Nipigon Ojibway First Nation. The plantations will increase the local conifer sawlog supply. Lake Nipigon Forest.

ROUND TWENTY-ONE PROJECTS

PROJECT NUMBER: 559-2-R21

APPLICANT: Domtar Inc.
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically blowdown and snow.
FUNDING: Approved \$456,976 (\$71,505 in 2005/06; \$250,971 in 2006/07; \$134,500 in 2007/08).
DESCRIPTION: The Ketchikan Lake Project, north of Lake Nipigon, consists of re-establishing conifer forests in areas damaged by wind and snow during the fall of 2001. Forests were salvage logged in 2004 and 2005. Approximately 581 ha will be site prepared (bracken or disk trencher), planted to black spruce and jack pine, and tended with glyphosate at rates of 1.7 kg ai/ha. This will contribute to sustaining local sawmills and provide 623 employment days for local silvicultural workers including First Nations. Lake Nipigon Forest.

PROJECT NUMBER: 562-2-R21

APPLICANT: Neenah Paper Company of Canada
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically spruce budworm.
FUNDING: Approved \$609,750 (\$187,500 in 2005/06, \$422,250 in 2006/07).
DESCRIPTION: The Kay Lake Salvage Project consists of prescribe burning and planting jack pine or black spruce on 750 ha of forests damaged by historic infestations of spruce budworm. This Project will re-establish productive forests on these sites, thereby contributing to future wood supplies for Neenah Paper. Kenogami Forest

PROJECT NUMBER: 566-2-R21

APPLICANT: Abitibi-Consolidated Company of Canada
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically wind.
FUNDING: Approved \$18,299 in 2005/06.
DESCRIPTION: The Crossroute 2001 Blowdown Extension Project consists of direct seeding 134 ha to re-establish forests on areas damaged by blowdown that were inaccessible to mechanical site preparation. It also includes tending 97 ha of plantations with Vision® to release seedlings established after the blowdown. This Project will contribute to the future conifer supply. Crossroute Forest.

PROJECT NUMBER: 576-2-R21

APPLICANT: 686860 Ontario Ltd. (Marathon Paper)
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically fire.
FUNDING: Approved \$3,093,702 (\$472,008 in 2005/06; \$1,482,289 in 2006/07; \$1,139,405 in 2007/08).
DESCRIPTION: The Wawa Fire-Renewal Project consists of mechanically site preparing, planting and tending seedlings on 7,024 ha of forests which were burned following the June 2003 Wawa Fire #13. This Project will contribute to the future conifer supply and will provide training and employment opportunities for the local First Nations. Big Pic Forest.

ROUND TWENTY-TWO PROJECTS**PROJECT NUMBER: 579-1-R22**

APPLICANT: Bowater Canadian Forest Products Inc.
TYPE: Intensive stand management to establish well-spaced jack pine plantations to increase timber production where critical shortages occur.
FUNDING: Approved \$1,237,500 (\$731,250 in 2006/07; \$455,625 in 2007/08; \$50,625 in 2008/09).
DESCRIPTION: The identification of 1,500 hectares of highly productive sites in the Sideen Pakashkan area to convert off site poplar and low quality birch to well-spaced jack pine plantations using the most current silviculture techniques and planting stock. This will increase future conifer pulpwood and sawlog supplies. Dog River Matawin Forest

PROJECT NUMBER: 581-1-R22

APPLICANT: Abitibi-Consolidated Company of Canada
TYPE: Intensive stand management to space conifer where critical shortages occur.
FUNDING: Approved \$1,073,966 over 3 years (\$340,219 in 2006/07; \$366,294 in 2007/08; 367,453 in 2008/09).
DESCRIPTION: This project involves the pre-commercial thinning of 2,580 ha of juvenile jack pine using manual spacing to reduce current densities and ultimately to promote faster growth, lower the rotation age, and create opportunities for employment. Crossroute Forest

PROJECT NUMBER: 582-2-R22

APPLICANT: Domtar Inc.
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically snow and blowdown.
FUNDING: Approved \$287,020 (\$111,254 in 2006/07; \$144,716 in 2007/08; \$31,050 in 2008/09).
DESCRIPTION: Salvage operations were planned for fall/winter 2005/06 on area damaged by snow and wind-storm that occurred in October 2001 in the area between Caribou Lake and Little Caribou Lake. This three-year project covers 371 hectares for establishment of conifer plantations. This project will address wood supply issues and provide a number of additional ecological, social, and economic benefits to the surrounding areas. Armstrong Forest.

PROJECT NUMBER: 588-6-R22

APPLICANT: Bowater Canadian Forest Products Inc.
TYPE: Collection of jack pine seed from Seed Production Orchard.
FUNDING: Approved \$181,250 (\$60,975 in 2005/06; \$64,925 in 2006/07; \$55,350 in 2007/08).
DESCRIPTION: Kakabeka Seed Orchard established in 1987 is scheduled to become obsolete within the next 5 to 8 years to be replaced by second generation orchards. Conversion of this orchard to a seed production facility will enable industry to collect cones for aerial seeding on short notice to renew burned jack pine sites. Dog River Matawin Forest.

ROUND TWENTY-THREE PROJECTS

PROJECT NUMBER: 594-1-R23

APPLICANT: Bowater Canadian Forest Products Limited
TYPE: Intensive stand management to establish spruce and jack pine plantations on areas that have been degraded by repeated spruce budworm infestations.
FUNDING: Approved \$695,655 (\$262,500 in 2006/07; \$284,325 in 2007/08 and \$148,830 in 2008/09).
DESCRIPTION: The Greggio-Barefoot Lakes area is located on the North Parcel of Black Sturgeon Forest. Mixedwood stands, of approximately 75 to 90 years old that have been degraded by repeated spruce budworm infestations will be surveyed to determine the most productive and acceptable sites on which spruce and jack pine plantations will be established. If left for natural regeneration stands of poorer hardwoods or mixedwood quality stands would result and add to the future wood supply shortfalls. Black Sturgeon Forest.

PROJECT NUMBER: 598-2-R23

APPLICANT: Weyerhaeuser Company Inc.
TYPE: Silviculture remediation of areas depleted by wind in the Manitoba Point and Mickle area in the Wabigoon Forest.
FUNDING: Approved \$239,641 (\$60,742 in 2006/07; \$174,458 in 2007/08 and \$4,441 in 2008/09).
DESCRIPTION: Blowdown salvage areas from windstorms in 2004 and 2005 will be renewed by various treatments. Renewed will be 857 hectares. Treatments will be determined by pre-harvests forest operation prescriptions. There will 962,000 seedlings planted, 639 hectares site prepared and potentially 639 hectares of chemical release treatment. A regeneration survey will follow 4 years after harvest. Wabigoon Forest.

PROJECT NUMBER: 601-2-R23

APPLICANT: Domtar Inc.
TYPE: Robinson Lake Project – remediation of selected areas affected by blowdown/snow damage on northern Lake Nipigon Forest.
FUNDING: Approved \$344,575 (\$0 in 2005/06, \$149,765 in 2006/07 and \$194,810 in 2007/08).
DESCRIPTION: Blowdown salvage areas from wind and snowstorm in 2001 will be renewed. Extensive management will occur on 385 hectares. There will be 693,000 trees required to plant the area selected for extensive treatment. Other treatments will include slash piling, site preparation and cone collection. Lake Nipigon Forest.

PROJECT NUMBER: 602-5-R23

APPLICANT: Atikokan Forest Products Ltd.
TYPE: Pre-commercial Thinning of X, Z Blocks.
FUNDING: Approved \$60,060 in 2006/07.
DESCRIPTION: Pre-commercial thinning on plantations that were surveyed and classified as X, Y and Z lands. In total 284 hectares will be manually thinned, 182 hectares of these are classified as Class Z lands. These areas were scarified with light drags to promote natural seeding regeneration in 1988-1995 by the OMNR, but require additional work to enhance future wood supply and sustainability. It is noted that Block 85-3 has been withdrawn from the project as it is not Class Z lands. Sapawe Forest.

PROJECT NUMBER: 610-1-R23

APPLICANT: Westwind Forest Stewardship Inc.
TYPE: Stand improvement in tolerant hardwood selection stands.
FUNDING: Approved \$638,400 divided equally over three years.
DESCRIPTION: This project involves feeling poor quality stems within a selection management stand to achieve silviculture objectives to promote improvements in growth and quality for future sawlog production. The silvicultural treatment of felling un-merchantable material would normally take place during harvest. French Severn Forest.

PROJECT NUMBER: 611-5-R23

APPLICANT: Tembec Industries Inc. – Mattagami Area
TYPE: Romeo Malette Forest NSR tending project.
FUNDING: Approved \$48,930 (\$43,995 in 2006/07 and \$4,935 in 2007/08).
DESCRIPTION: In attempt to minimize the amount of NSR area on the Romeo Malette Forest 466 hectares will be aerially tended to bring it to productive forest status. The areas to be treated are satisfactorily stocked but are not free-to-grow due to competing vegetation. This vegetation includes shrubs, grass, poplar and birch. Competition coverage ranges from 30-80 percent. Romeo Malette Forest.

PROJECT NUMBER: 618-2-R23

APPLICANT: Marathon Pulp Inc.
TYPE: Wawa Fire #13 Rehabilitation – Project 2.
FUNDING: Approved \$1,667,839 (\$852,084 in 2006/07; \$669,847 in 2007/08 and \$145,908 in 2008/09).
DESCRIPTION: Intensive treatment of 2,339.6 hectares of productive forest land in the Big Pic Forest will occur over a 3 year period. Project 2 will regenerate the southern section of the fire. It is planned that 1,050 hectares will be mechanically site prepared in the first year, 1,289.6 hectares will be tended in the second year and 1,050 hectares will be planted. The third year of the project will tend 1,050 hectares. Big Pic Forest.

PROJECT NUMBER: 622-5-R23

APPLICANT: Tembec Industries Inc.
TYPE: Smooth Rock Falls Conifer upgrade of Class Z Regeneration Areas.
FUNDING: Approved \$366,120 (\$46,340 in 2006/07; \$168,655 in 2007/08 and \$151,125 in 2008/09).
DESCRIPTION: Regeneration of majority of remaining Class Z lands on the Smooth Rock Falls Forest will be completed by aerial tending, chemical site preparation and planting of sites that were harvested during the 1994 MNR year or prior to 1994. Smooth Rock Falls Forest.

PROJECT NUMBER: 625-2-R23

APPLICANT: Abitibi-Consolidated Company of Canada
TYPE: Timmins Fire 19 (2005) Rehabilitation.
FUNDING: Approved \$1,201,366 (\$272,450 in 2006/07; \$686,686 in 2007/08 and \$242,230 in 2008/09).
DESCRIPTION: Regeneration of forest areas on the Nighthawk Forest that were destroyed in July 2005 as a result of Timmins Fire 19. There were 2,939 hectares of forest burnt in the fire which represents 0.85% of the landbase for timber production. This is treatment on a plantation that was planted as renewal from Timmins Fire 312 that occurred in 1997. Nighthawk Forest.

PROJECT NUMBER: 626-1-R23

APPLICANT: Bancroft Minden Forest Company Inc.
TYPE: Mid-tolerant Hardwood and Oak Renewal.

FUNDING: Approved \$19,500 divided equally over three years.
DESCRIPTION: This project supports intensive management practices to enhance the establishment and development of regeneration of mid-tolerant hardwood species through the implementation of group selection and pre-commercial thinning and cleaning. It also supports the intensive renewal efforts in support of red oak management. This project is highly important to the local industry. The species being managed in this project are typically of higher market value. Bancroft Minden Forest.

PROJECT NUMBER: 628-1-R23

APPLICANT: Mazinaw-Lanark Forest Inc.
TYPE: Intensive White Pine and Red Pine Restoration and Maintenance.
FUNDING: Approved \$92,160 divided equally over three years.
DESCRIPTION: This project will improve the long-term supply of white pine and red pine timber of crucial significance for the local forest industry, by applying an integrated package of intensive silvicultural treatments on suitable pine sites where pine resources have been depleted in the past and require silvicultural input to be re-established or reach full productive potential. This will consist of detailed prescriptions, tree marking, mechanical site preparation, tree planting and stock production, tending, non-commercial thinning in young stands and monitoring silvicultural effectiveness. Mazinaw Lanark Forest.

PROJECT NUMBER: 629-1-R23

APPLICANT: Mazinaw-Lanark Forest Inc.
TYPE: Mazinaw-Lanark Intensive Hardwood Stand Management.
FUNDING: Approved \$117,000 (\$35,100 in 2006/07; \$39,000 in 2007/08 and \$42,900 in 2008/09).
DESCRIPTION: This project will consist of selective removal of low quality, undesirable and non-merchantable trees in hardwood stands on productive sites to improve future wood supply, growth, quality and structure of residual stands. Total estimated area of the project is 1,500 hectares over a 3 year period. Mazinaw Lanark Forest.

PROJECT NUMBER: 631-3-R23

APPLICANT: Forest Health and Silviculture Section, Forest Management Branch OMNR
TYPE: Jack pine budworm control 2006.
FUNDING: Approved \$38,562 in 2005/06.
DESCRIPTION: Aerial and ground surveys show an outbreak of jack pine budworm is beginning in Northeast and Southern Regions and is underway in Northwest Region. MNR, in collaboration with forest industry and in accordance with the Forest Management Planning Manual, has undertaken the planning process for a management program to protect and manage the pine wood supply in the face of this outbreak. This *Forestry Futures Trust* project is to conduct the operational control program resulting for the planning process.

PROJECT NUMBER: 632-5-R23

APPLICANT: Hearst Forest Management Inc.
TYPE: Regeneration of Class, X., Y and Z lands Walls and Marjorie Townships.
FUNDING: Approved \$441,710 (\$277,000 in 2006/07; \$136,234 in 2007/08 and \$28,476 in 2008/09).
DESCRIPTION: Regeneration activities to be carried out on cutover lands in Walls and Marjorie Townships. These lands were initially harvested between 1987 and 1993 and have no previous renewal work carried out on them. Hearst Forest.

ROUND TWENTY – FOUR PROJECTS

PROJECT NUMBER: 635-1-R24

APPLICANT: Tembec Forest Resource Management
TYPE: Intensive stand management
FUNDING: Approved \$154,800.00 (\$48,840.00 in 2007, \$69,900.00 in 2007, \$36,060.00 in 2009)
DESCRIPTION: The purpose of this project is to increase timber production in the white pine forest units where critical short to long-term shortages occur. This project will treat 160 hectares of the PWR or PW1 forest units using artificial regeneration.

PROJECT NUMBER: 640-2-R24

APPLICANT: Tembec Industries Inc.
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically forest tent caterpillar infestation
FUNDING: \$62,300.00 (\$23,400.00 in 2007, \$9,275.00 in 2008, \$21,225.00 in 2008 and \$8,400.00 in 2009)
DESCRIPTION: Renew intolerant hardwood stands - The purpose of his project is to renew 50.3 hectares of intolerant hardwood dominated stands decimated by repeated forest tent caterpillar infestation. The site is currently colonized by thick brush and is deemed to be barren and scattered.

PROJECT NUMBER: 643-2-R24

APPLICANT: Abitibi-Consolidated Company of Canada
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically wild fires
FUNDING: \$1,321,149.00 (\$562,198.00 in 2007, \$443,271.00 in 2008 and \$315,680.00 in 2009)
DESCRIPTION: The purpose of this project is to regenerate areas consumed by wildfires in 2006. These areas included area of naturally regenerated jack pine, naturally regenerated cutover and previously burnt forest. These two year project will involve seeding of burnt areas in March 2007, the planting of burnt areas in May/June of 2007 and 2008, the site preparation of older burnt plantation in 2007 and the collection of cones in 2007 and 2008 to re-build seed inventory.

ROUND TWENTY – FIVE PROJECTS

PROJECT NUMBER: 644-2-R25

APPLICANT: Abitibi-Consolidated Company of Canada
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically blowdown
FUNDING: Approved \$229,850.00 (\$136,051.00 in 2007, \$66,904.00 in 2008 and \$26,895.00 in 2009)
DESCRIPTION: In June 2005 the Atikokan area was struck by a severe storm containing high winds and heavy rains. The forest was blown down or snapped off on 2,669 hectares. Of this naturally disturbed area 213 hectares is planned for tree planting without site preparation and aerial seeding. Chemical tending will be prescribed once the need is assessed.

PROJECT NUMBER: 646-2-R25

APPLICANT: Bowater Canadian Forest Products
TYPE: Silvicultural remediation of areas depleted by natural causes, specifically wild fires
FUNDING: Approved \$253,000.000 (\$153,000.00 in 2007 and \$100,000.00 in 2008)
DESCRIPTION: In September 2006, wildfires destroyed over 10,000 hectares of forested land on the Black Sturgeon Forest. Within the limits of this forest fire was approximately 3900 hectares of young jack pine plantations. Other renewing stands were also burned. The proposed project is to ensure that these stands are renewing to conifer by planting in the spring of 2007.

PROJECT NUMBER: 648-2-R25

APPLICANT: Long Lake Forest Products Inc.

TYPE: Silvicultural remediation of areas depleted by natural causes, specifically wild fires

FUNDING: Approved \$256,803.00 in 2007

DESCRIPTION: The purpose of this application is to assist in the Retreatment of 494.7 hectares of previously regenerated productive forest area that was lost to Nipigon Fire Number 20 in the spring of 2005. The majority of this area was intensively treated in the years between 2002 and 2005 with mechanical site preparation and planting treatments.

PROJECT NUMBER: 653-2-R25

APPLICANT: Nipissing Forest Resource Management Inc.

TYPE: Silvicultural remediation of areas depleted by natural causes, specifically blowdown

FUNDING: Approved \$416,000.00 (\$88,000.00 in 2007, \$57,000.00 in 2008 and \$271,000.00 in 2009)

DESCRIPTION: The project intends to maintain White Pine Shelterwood (PWUS forest unit) stand conditions on sites that were being managed as such prior to the July 17, 2006 windstorm. The wind event and subsequent salvage logging operations changed existing stand development stages from those of Preparatory of Seeding Cuts to Barren and Scattered conditions with little or no advanced regeneration.

PROJECT NUMBER: 660-2-R25

APPLICANT: Ottawa Valley Forest Inc.

TYPE: Silvicultural remediation of areas depleted by natural causes, specifically blowdown

FUNDING: Approved \$799,945 (\$381,660 in 2007/08, \$243,815 in 2008/09, \$174,470 in 2009/10)

DESCRIPTION: This is a combined project of 2 projects based on renewal of natural disturbances-windstorm and tornado. A windstorm on July 17, 2006 affected a widespread area of pine forest. This resulted in blown down trees in previously treated and untreated areas, located in the north end of the Ottawa Valley Forest.

PROJECT NUMBER: 665-3-R25

APPLICANT: Ministry of Natural Resources

TYPE: Silvicultural remediation of areas depleted by natural causes, specifically pine shoot beetle infestation

FUNDING: Approved \$80,000.00 in 2007

DESCRIPTION: The objective of this program is to slow the spread of pine shoot beetle by reducing or eradicating the insect at isolated sites in central Ontario. Surveys will be done to determine infested sites and estimate the population abundance. Trap logs of Scots pine will be placed at the sites during February and March, and then destroyed once they are colonized by the beetle.

PROJECT NUMBER: 667-1-R25

APPLICANT: Westwind Forest Stewardship Inc.

TYPE: Intensive stand management

FUNDING: \$240,000.00 (\$25,000.00 in 2007, \$75,000.00 in 2008, \$110,000.00 in 2009, \$30,000.00 in 2010)

DESCRIPTION: This project would allow for a payment to be made to logging contractors to fell un-merchantable stems as identified by the CFSA to achieve silvicultural objectives. The stems that would be felled in conjunction with the harvest would otherwise interfere in creating required optimum light and space conditions for the establishment and maintenance of desirable regeneration.