

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

LIST OF PROJECTS ON-GOING IN 2009/10

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: 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: 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: 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: 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: 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.

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: 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.

ROUND TWENTY – SIX PROJECTS

PROJECT NUMBER: 670-1-R26

APPLICANT: Domtar Inc. (as agent for Northshore Forest Inc.)

TYPE: Hardwood stand improvement

FUNDING: Approved \$54,000 (\$27,000 in 2009 and \$27,000 in 2010)

DESCRIPTION: The objective of this project is to significantly improve the 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 of undesirable growing stock (trees) such that stand health and quality will improve in the shortest possible time.

PROJECT NUMBER: 672-1-R26

APPLICANT: Clergue Forest Management Inc./Sault Ste. Marie District, in cooperation with Boniferro Mill Works and Midway Lumber Mills Ltd

TYPE: Hardwood stand improvement

FUNDING: Approved \$242,550 (155,925 in 2009 and 86,625 in 2010)

DESCRIPTION: The tolerant hardwoods on the Algoma Forest have a high percentage of poor quality trees (high defect and marginal quality) 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 the Forestry Futures Trust will support the removal of these trees from stands, promoting the performance of residual trees. This treatment is an integral part of the application of selection and shelterwood harvesting in the tolerant hardwood forest units. Forestry Futures Trust funding over the past decade for this treatment has resulted in the proper application of selection and shelterwood harvesting on the Algoma Forest.

PROJECT NUMBER: 678-2-R26

APPLICANT: Domtar Pulp and Paper Products Inc

TYPE: Silviculture remediation of area after wind event

FUNDING: Approved \$113,416 in 2010

DESCRIPTION: This project consists of site preparing and planting 279.4 hectares that were salvage logged after the majority of the stand was killed by a wind event. Salvage of the killed stands took place in 2008/09. If left for natural regeneration the site will regenerate to more hardwood than previously existed since the conifer seed source was moved to roadside through harvest. The reforestation of these sites will contribute to the future timber supply and provide employment for silviculture contractors.

PROJECT NUMBER: 679-2-R26

APPLICANT: Domtar Pulp and Paper Products Inc.

TYPE: Silviculture remediation of areas depleted by natural causes including drought and insect damage

FUNDING: Approved \$36,581 in 2010

DESCRIPTION: This project consists of site preparing and planting 90.1 hectares that were salvage logged after the majority of the stand was killed by drought and insects including jack pine budworm. Salvage of the killed stands took place in 2007/08. If left for natural regeneration the site will regenerate to more hardwood than previously existed since the conifer seed source was moved to roadside through harvest. The reforestation of these sites will contribute to the future timber supply and provide employment for silviculture contractors.

PROJECT NUMBER: 685-2-R26

APPLICANT: McKenzie Forest Products Inc
TYPE: Silviculture remediation post fire
FUNDING: Approved \$187,840 (\$33,514 in 2009, 151,326 in 2010 and \$ 3,000 in 2015)
DESCRIPTION: The purpose of this project will be to regenerate acceptable levels of pine and spruce using chemical site preparation, infill planting and seeding in cutover and plantation areas, within the Fire #48 boundaries, containing very little to no conifer or hardwood regeneration due to severe post fire competition and post seeding drought conditions.

PROJECT NUMBER: 686-2-R26

APPLICANT: Buchanan Forest Products Ltd. *On behalf of Terrace Bay Pulp Inc*
TYPE: Silviculture remediation post fire
FUNDING: Approved \$316,606 (\$270,822 in 2009 and \$45,784 in 2010)
DESCRIPTION: This project consists of purchasing and planting white spruce and black spruce seedlings on 525.1 hectares of area destroyed by a forest fire. This nutrient rich site is within 37 kilometers miles of a plywood and sawmill, and 80 kilometers of a pulp mill; therefore the reestablishment of a viable productive site will potentially serve 3 fiber users

PROJECT NUMBER: 687-2-R26

APPLICANT: Long Lake Forest Products Inc
TYPE: Silviculture remediation post fire
FUNDING: Approved \$209,865 (\$38,658 in 2009, \$139,922 in 2010 and \$31,285 in 2011)
DESCRIPTION: This project includes the stock purchase and planting of jack pine, white spruce and black spruce on 476.9 hectares of area destroyed by a forest fire in 2005. This nutrient rich site is within 86 kilometers miles of a local sawmill, within 130 km from a waferboard/plywood and sawmill, and 250 kilometers of a pulp mill; therefore the re-establishment of a viable productive site will potentially serve 3 fiber users.

PROJECT NUMBER: 688-2-R26

APPLICANT: Greenmantle Forest Inc. / Lakehead Forest / Thunder Bay District
TYPE: Silviculture remediation post fire
FUNDING: Approved \$1,028,096 (\$854,341 in 2009, \$173,755 in 2010 and
DESCRIPTION: This project involves the tree planting and tending of a wildfire burned area in the west end of the Lakehead Forest.

PROJECT NUMBER: 690-1-R26

APPLICANT: Mazinaw-Lanark Forest Inc.
TYPE: Intensive silviculture for stand improvement
FUNDING: Approved \$81,060 (\$25,000 in 2009, \$40,530 in 2010 and \$15,530 in 2011)
DESCRIPTION: Intensive silvicultural treatment of hardwood and pine stands on productive sites to improve their growth, quality and structure in order to address future wood supply issues, by targeted removal of low quality, undesirable and non-merchantable trees in forest stands managed for quality products.

PROJECT NUMBER: 691-1-R26

APPLICANT: Westwind Forest Stewardship Inc.
TYPE: Stand improvement in tolerant hardwood selection stands.
FUNDING: Approved \$418,950(\$ 69,000 in 2009,\$ 139,650 in 2010, \$139,650 in 2011 and \$70,650 in 2012)
DESCRIPTION: This project involves felling poor quality stems within a selection management stand to achieve silvicultural objectives to promote improvements in growth and quality for future sawlog production. The silvicultural treatment of felling unmerchantable material would normally take place in conjunction with the harvest.

PROJECT NUMBER: 692-2-R26

APPLICANT: Westwind Forest Stewardship Inc.
TYPE: Silviculture remediation of wind damaged areas
FUNDING: Approved \$83,040 (\$39,840 in 2009 and \$43,200 in 2010)
DESCRIPTION: This project would allow for the remediation of productive white/red pine stands after a serious 2006 wind event. The majority of mature pine was uprooted so remediation work is required to maintain these areas as white/red pine stands. The project provide for chemical site preparation and planting of severely damaged areas.

PROJECT NUMBER: 693-2-R26

APPLICANT: MNR District: Algonquin Park District
TYPE: Silviculture remediation of wind damaged area
FUNDING: Approved \$184,865 (\$81,767 in 2009 and \$103,098 in 2010)
DESCRIPTION: Mechanical site preparation and planting of nursery grown red and white pine, and white spruce stock on approximately 548 hectares (ha) damaged by windstorms (blowdown) that occurred in the summer of 2006. This project is a follow up to forestry futures project number 659-2-R25, which resulted in the planting of 59 ha of wind-damaged area. As noted and anticipated in the original project application, thorough filed reconnaissance work in 2007 and 2008 has resulted in the identification of the additional area covered in this proposal

PROJECT NUMBER: 694-2-R26

APPLICANT: MNR District: Algonquin Park District
TYPE: Manual tending in wind damaged areas
FUNDING: Approved \$52,362 (\$21,756 in 2009 and \$30,606 in 2010)
DESCRIPTION: Manual tending to enhance the survival and growth of desirable regeneration in previously wind-damaged (blowdown) areas. This project will protect previous silvicultural investments in 1999 blowdown areas planted as part of Forestry Futures projects 347-1-R10, 369-2-R11, and 388-2-R12, and will avoid the need to undertake more costly artificial regeneration treatments in 2006 blowdown areas stocked with natural regeneration. This project will also enhance opportunities for earlier commercial harvests and increase long-term potential for high value products, while creating employment opportunities for First Nations contractors.