

The 2002 Report
Forestry Futures Committee



Ontario Forestry Futures Trust

Forestry Futures Committee
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Cover photo: Shelterwood in white pine management
Bancroft Minden Forest Company
(Maureen Kershaw)

The 2002 Report
of the
Forestry Futures Committee

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Ontario

Forestry Futures Committee

John Naysmith RPF, Chair

Mike Barker, Member

Rod Carrow RPF, Member

Maureen Kershaw RPF, Member

Margaret Wanlin, Member

Thom McDonough, Betty Hammond, Secretariat

Diane Dixon, Administrative Support

30 September 2002

The Honourable Jerry Ouellette
Minister of Natural Resources
Government of Ontario
Whitney Block Room 6630, 6th Floor
99 Wellesley Street West
Toronto, ON M7A 1W3

Dear Mr. Minister:

On behalf of the Forestry Futures Committee I am pleased to submit the Committee's 2002 Annual Report. The Report covers Round 14 and 15 applications to the Forestry Futures Trust. The two calls for proposals from the Committee resulted in 38 applications; the Committee approved funding for 34, or 89 percent, of them. Over the 15 Rounds to date the Committee has received and reviewed 370 applications and approved funding for 290, or 78 percent of the total. The Committee is pleased to report that the quality of applications continues to improve; a point reflected in the significant increase in the percentage of applications approved in Rounds 14 and 15.

A total of \$10,360,627.00 was allocated to the 34 successful project applicants. In addition the applicants' contributions were \$5,510,867.00 or 34.7 percent of the total cost of the projects approved. The Committee is particularly pleased to say that the applicants' contributions for Rounds 14 and 15 are 7.6 percent higher than for the two Rounds the previous year when it was 27.1 percent. A point that the Committee has continuously made with prospective applicants is the need for significant non-Forestry Futures Trust contributions so that the Trust funds will be available for a larger number of qualified projects.

In terms of geographic distribution of funds the Central Region received 17 percent, the Northeast 24 percent and the Northwest 59 percent. Applications submitted by regions were: Central 26 percent, Northeast 21 percent and Northwest 53 percent.

In terms of the three categories for which funds are allocated namely stand improvement, remediation and protection it should be noted that, as was the case last year, just over 50 percent of the funds went to stand improvement. Since the principal purpose of the Fund is to address future wood supply it is particularly encouraging to report a 25 percent increase in this year's funding allocation to stand improvement projects over last year's (from \$4 million to \$5 million).

The fifth year of the Forest Resources Inventory Completion Project saw the successful completion of four more management units. Four of the remaining seven projects are 98 percent complete and all of the projects will be completed in 2003.

The third, and expanding, component of the Forestry Futures Committee's mandate is the Independent Forest Audit (IFA) Program. Twenty audits were conducted in 2001-2002 utilizing five audit firms at a total cost of \$1,562,929.

Following an independent review of the IFA Program, commissioned by the Ministry of Natural Resources, Ministry officials held a series of meetings with the Committee to explore the possibility of expanding the Committee's role vis-à-vis the IFA Program. As a result of those discussions the Forestry Futures Committee is scheduled to take the lead role in managing the implementation of Ontario's Independent Forest Audit Program commencing with the 2002-2003 audits. The Committee is fully aware of the high standards exemplified by Ontario's Independent Forest Audit Program and is committed to ensuring that those standards are maintained and, where possible over time, improved.

I am pleased to report that the Ministry of Natural Resources, while ensuring the integrity of its arms-length relationship with the Forestry Futures Committee, has at the same time supported the Committee through the Secretariat provided by the Ministry's Forest Management Branch. In similar fashion the established working relationship between the Committee and other Ministry staff with responsibilities for the Independent Forest Audit Program and the Forest Resources Inventory Completion Project continues to be effective. The Committee wishes to take this opportunity to assure you of its continuing commitment and its pleasure in being able to play a substantive role in the Government of Ontario's Forestry Futures Trust.

Yours sincerely,

John K. Naysmith, R.P.F.
Chair

TABLE OF CONTENTS

INTRODUCTION	1
Purpose of the Fund	1
Eligible Applicants	2
COMMITTEE BUSINESS	2
The Forestry Futures Trust: Applications and Projects	2
Allocation of Funds	3
Applicants' Contributions	6
Signage	6
The Independent Forest Audit (IFA) Program	7
Forest Resources Inventory (FRI) Completion Project	7
COMMITTEE OPERATION	8
Activities	8
Committee Budget	9
The Ministry of Natural Resources	9
AUDITORS' REPORT	10
APPENDICES	
APPENDIX 1	
Auditors' Report to the Ontario Minister of Natural Resources and the Trustee of the Forestry Futures Trust	
Forestry Futures Trust Statement of Financial Position	
Forestry Futures Trust Statement of Operations	
Forestry Futures Trust Statement of Changes in Net Assets Available for Project Disbursements	
APPENDIX 2	
On-going Projects Rounds Six, Seven, Eight, Nine, Ten, Eleven, Twelve and Thirteen	
APPENDIX 3	
A Projects Approved for Funding in Round Fourteen	
B Projects Approved for Funding in Round Fifteen	
C Applications that were either not funded or withdrawn by the applicant in Rounds Fourteen and Fifteen	

APPENDIX 4

List of Completed Projects

APPENDIX 5

Forestry Futures Field Visit Reports

Algonquin Forest - Haliburton Forest

LIST OF TABLES

Table 1: Number of Applications and Approvals Fiscal Year 2001-02

Table 2: Summary of Funds Approved by Category

Table 3: Summary of Applications for Rounds Fourteen and Fifteen

Table 4: Summary of Committed and Available Funds (1994-2005) (as at fiscal year 2001- 02)

Table 5: Applicants' Contributions in Rounds Fourteen and Fifteen

Table 6: FRI Completion Project Costs for Year 5 (Phase 3)

Table 7: Forestry Futures Committee Operating Budget 2001-2002

INTRODUCTION

This is the seventh Annual Report of the *Forestry Futures Committee* and covers all applications received in response to the Committee's calls for Rounds 14 and 15 issued during the 2001-2002 fiscal year.

The *Forestry Futures Trust* was established under the authority of a June 1994 amendment to the *Crown Timber Act*. That amendment was carried forward in Part V of the *Crown Forest Sustainability Act (1995)*. The Trust is a single Fund and is not specific to forest management units.

The Trust Fund is managed by the Trustee, Royal Trust Corporation of Canada, and allocated to successful applicants under the direction of the *Forestry Futures Committee*. The source of funds for the Trust is based on harvest volume charges that are paid by the Sustainable Forest Licensees.

Purpose of the Fund

The *Forestry Futures Trust* shall, according to Section 51 of the *Crown Forest Sustainability Act*, provide for the following matters on such terms and conditions as may be specified by the Minister:

1. The funding of silvicultural expenses in Crown Forests where forest resources have been killed or damaged by fire or natural causes.
2. The funding of silvicultural expenses on land that is subject to a forest resource licence, if the Licensee becomes insolvent.
3. The funding of intensive stand management and pest control in respect of forest resources in Crown forests.
4. Such other purposes as may be specified by the Minister.

Source: Crown Forest Sustainability Act Section 51 (3)

Eligible Applicants

The Committee may only approve applications from eligible applicants namely:

Sustainable Forest Licence Management Units - holders of a forest management unit account or sub-account in the Forest Renewal Trust. In the case of the forest pest management projects, MNR officials may also apply.

The Committee cannot consider project applications submitted by a licensee, where the Minister advises the Chair that the licensee is delinquent in paying Crown charges related to the licensing or harvest of Crown timber. The Committee normally only approves projects in advance of their initiation. Under exceptional circumstances the Committee has approved funding for projects which are underway.

COMMITTEE BUSINESS

The Committee's work in the year 2001-02 continues to cover three distinct areas namely the original responsibilities related to the Forestry Futures Trust; the Independent Forest Audit; and the Forest Resources Inventory Completion Project.

The Forestry Futures Trust: Applications and Projects

Table 1 below shows the number of applications and approvals by Rounds for 2001-02.

Table 1: Number of Applications and Approvals Fiscal Year 2001-02				
ROUND NUMBER	CALL FOR PROPOSALS	DATE OF REVIEW	NUMBER OF APPLICATIONS	
			RECEIVED	APPROVED
14	22 June 2001	18-19 October 2001	12	11
15	21 December 2001	21-22 March 2002	26	23
TOTAL			38	34

Table 2 below shows the distribution of funding for approved applications by category for Rounds 14 and 15.

Table 2: Summary of Funds Approved by Category				
ROUND NUMBER	CATEGORIES			TOTAL APPROVED FUNDS
	1. Stand Imp.	2. Remediation	3. Protection	
14	1,964,390	2,130,299	0	4,094,689
15	3,229,456	2,961,482	75,000	6,265,938
TOTAL	5,193,846	5,091,781	75,000	10,360,627
PERCENT OF TOTAL FUNDS APPROVED	50.13	49.15	0.72	100.00

The Committee received a total of 38 applications for projects requesting funding in the amount of

\$11,053,649. Of these, 34 were approved for a total of \$10,360,627 as is noted in Table 2 above.

Table 3 below summarizes the number of applications by category, the level of funding requested, the applicant (Crown or industry), and the region.

Table 3: Summary of Applications for Rounds Fourteen and Fifteen								
Category	Number of Applications				Total Funding Dollars			
	Received		Approved		Requested		Approved	
STAND IMPROVEMENT¹	CMU	IND	CMU	IND	CMU	IND	CMU	IND
NORTHEAST REGION	1	5	1	5	990,000	1,326,528	990,000	1,071,575
NORTHWEST REGION		11		9		1,730,375		1,451,551
CENTRAL REGION	1	8	1	7	37,500	1,740,720	37,500	1,643,220
STAND IMP. TOT.	2	24	2	21	1,027,500	4,797,623	1,027,500	4,166,346
REMEDICATION²								
NORTHEAST	1	1	1	1	309,770	99,737	309,770	99,737
NORTHWEST		9		8		4,744,019		4,682,274
CENTRAL								
REMEDICATION TOT.	1	10	1	9	309,770	4,843,756	309,770	4,782,011
PROTECTION³								
NORTHEAST								
NORTHWEST								
CENTRAL	1		1		75,000		75,000	
PROT. TOTAL	1	0	1	0	75,000	0	75,000	0
OTHER⁴								
ALL REGIONS	4	34	4	30	1,412,270	9,641,379	1,412,270	8,948,357

1. Intensive stand management activities
2. Silvicultural needs resulting from forces of natural depletion
3. Forest protection programs in response to insect infestation or disease
4. Applications that could not be accepted by the Committee either due to the nature of the proposed work or the ineligibility of the applicant

Allocation of Funds

The assets of the *Forestry Futures Trust* are managed by the Royal Trust Corporation of Canada and decisions on the allocation of funds from the Trust are made by the *Forestry Futures Committee*. The Chair then directs the Trustee concerning the disbursement of funds in accordance with the Committee's decisions. Table 4 below summarizes the allocations and commitments against the Fund.

Table 4: Summary of Committed and Available Funds (1994-2005) (as at fiscal year 2001-2002)											
	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05
Starting Balance of Fund	6,000,000										
Renewal Charges Paid into Fund	1,141,676	5,544,381	8,161,489	9,644,690	10,070,992	9,901,478	11,154,087	9,368,811	10,000,000	10,000,000	10,000,000
Unallocated from Previous Year		7,141,676	8,112,170	3,868,062	7,113,713	12,599,241	10,282,306	11,815,845	12,623,862	14,530,296	19,235,718
Investment Income		675,825	571,434	237,001	610,900	500,031	849,738	1,265,788			
Profit/Loss		23,556	98,386	(22,913)	(6,018)	(117,502)	53,429	91,013			
Monies Approved but not Spent		363,901	310,180	3,531,826	2,283,719	1,480,266	2,190,680	1,454,906			
Total Funds Available	7,141,676	13,749,339	17,253,659	17,258,666	20,073,306	24,363,514	24,530,240	23,996,363	22,623,862	24,530,296	29,235,718
Funds Committed by Round											
Round 1		5,356,919	5,137,813	1,953,522							
Round 2		179,171	3,419,452	2,792,454	347,938						
Round 3			3,373,568	1,620,809	860,127						
Round 4			84,640	414,960	56,493						
Round 5			1,216,000	2,558,043	1,218,575	705,597					
Round 6				8,000	1,858,250	904,659					
Round 7					2,234,825	1,789,462	1,013,666				
Round 8					330,751	3,472,193	1,861,488	1,161,680			

Table 4: Summary of Committed and Available Funds (1994-2005) (as at fiscal year 2001-2002)											
	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	2002-03	2003-04	2004-05
Round 9					70,470	5,091,269	2,308,916	1,085,411			
Round 10						1,022,251	3,251,442	1,544,268	361,200		
Round 11							2,370,198	1,549,067	1,284,944		
Round 12							387,934	2,302,901	655,410	388,390	
Round 13								1,758,066	1,782,859	747,546	
Round 14								303,527	1,740,721	1,284,191	766,250
Round 15									2,268,432	2,874,451	1,123,055
Total of all Rounds		5,536,090	13,231,473	9,347,788	6,977,429	12,985,431	11,193,644	9,704,920	8,093,566	5,294,578	1,889,305
Independent Forest Audits				670,694	346,505	943,957	1,401,225	1,562,930			
Audit Fees and Committee Expenses		101,079	154,124	126,471	150,131	151,820	119,526	104,652			
Total Expenses		101,079	154,124	797,165	496,636	1,095,777	1,520,751	1,667,582			
Total Committed Funds		5,637,169	13,385,597	10,144,953	7,474,065	14,081,208	12,714,395	11,372,502	8,093,566	5,294,578	1,889,305
Current Year Balance	7,141,676	8,112,170	3,868,062	7,113,713	12,599,241	10,282,306	11,815,845	12,623,862	14,530,296	19,235,718	27,346,413

Applicants' contributions

For Rounds 14 and 15, project applicants' contributions amounted to \$5,510,867 or 34.7 percent of the total cost of the projects approved for Forestry Futures Trust funding, see Table 5 below. This is a substantial increase over last year when the applicants' contribution represented 27 percent of total project costs.

The Committee is pleased with this outcome as it continues to encourage applicants to supplement Trust funds with non-Forestry Futures Trust funds. Indeed applicants are required to make direct financial and/or in-kind contributions to the projects and to develop partnerships so that expertise, resources and benefits can be combined to ease the pressure on the Trust. By doing this the Trust funds are accessible to a larger number of potential applicants.

Table 5: Number of Applicants' Contributions in Rounds Fourteen and Fifteen				
Round and Category	Total			
	Funds Requested	Applicants' Contributions	FFT Approved	Percent¹
Round 14				
1. Stand Improvement	2,301,230	1,053,500	1,964,390	34.91
2. Remediation	2,132,630	1,043,619	2,130,299	32.88
3. Protection				
Total for Round 14	4,433,860	2,097,119	4,094,689	33.87
Round 15				
1. Stand Improvement	3,523,893	1,918,128	3,229,456	37.26
2. Remediation	3,020,896	1,454,120	2,961,482	32.93
3. Protection	75,000	41,500	75,000	35.62
Total for Round 15	6,619,789	3,413,748	6,265,938	35.27
Total for Rounds 14 and 15	11,053,649	5,510,867	10,360,627	34.72

¹ Applicants' Contributions as a percentage of total project cost i.e., Applicants' Contributions plus FFT Approved Funds

Signage

The Committee continues to provide signage for Projects funded by the Forestry Futures Trust; a method of informing the public about the work being carried out in Ontario forests. Twenty-one Projects were selected to have signs installed during the 2001-2002 fiscal year. To date 88 projects have received such signage. Of the twenty-one Projects receiving signs in 2001-2002, two were installed in the Northeast, eight in the Northwest and eleven in South Central regions of the Province.

Three of the eleven signs scheduled for installation in South Central Ontario were for remediation work projects related to damage caused by severe wind near the community of Pembroke. The other eight signs were for stand improvement projects. The two signs for the Northeast were for stand improvement and remediation. In the Northwest five signs were for stand improvement and three for remediation.

The Independent Forest Audit (IFA) Program

During the year the Ministry of Natural Resources and the Forestry Futures Committee engaged in a series of meetings to consider the expansion of the Committee's role in administering the IFA Program. As a result of those discussions the Committee is scheduled to take the lead role in managing the implementation of Ontario's Independent Forest Audit program commencing with the 2002-2003 audits.

The Committee reviewed proposals from eight audit firms to conduct Independent Forest Audits on behalf of the Ministry of Natural Resources. The Committee selected five audit firms to undertake 20 audits at a total cost of \$1,562,929.48; the audit firms and the units audited were as follows:

Assignment #1: Arbex Forest Resource Consultants Ltd. for Black River SFL, Magpie SFL and Pic River-Ojibway SFL.

Assignment #2: Callaghan and Associates Inc. for Armstrong SFL, Auden SFL, Black Sturgeon SFL, Kiashke River Management Unit, Lake Nipigon SFL and Spruce River SFL.

Assignment #3: KBM Forestry Consultants Inc. for Algoma SFL, Bancroft Management Unit, French-Severn SFL, Minden Management Unit and Wawa SFL.

Assignment #4: ArborVitae Environmental Services Inc. for Nipissing SFL, ShiningTree SFL, Sudbury SFL and Temagami Management Unit.

Assignment #5: AuditFor Inc. for Lac Seul SFL and Sioux Lookout SFL.

The Forestry Futures Committee reviewed the quality of the draft final audit reports and provided its observations to auditors prior to the production and distribution of the final audit reports which will be tabled in the Legislature during 2002.

Forest Resources Inventory (FRI) Completion Project

The FRI Completion Project is the combined efforts of the forest industry and the Ministry of Natural Resources to put in place a digital FRI across the Area of the Undertaking. Conclusion of the project (Year 6) is now slated for March 2003. The responsibilities for the ongoing maintenance and future provision of a forest inventory is prescribed in the Forest Information Manual (a regulated manual under the Crown Forest Sustainability Act).

Year 5 achievements of the FRI Completion Project included the successful completion of four management units. With the inclusion of that work into the provincial database, overall project status stood at:

- 15 of 16 Crown Management Units completed (in the process of being converted to Sustainable Forest Licenses)
- 8 of 14 Sustainable Forest Licensed Areas completed

Business and technical skills associated with forest inventories and its production are beginning to mature in the firms currently involved with the FRI Completion Project. Completion of some units was delayed due to the strike by the Ontario Public Service Employees Union. This delay moved those units into year 6 of the workplan

Expenditures for management units completed in Year 5 are outlined in the attached table.

Year 6 of the project will see the completion of the last CMU (Mazinaw) and the ongoing work efforts of forest industry and the ministry on the remaining six SFLs that are to have a digital FRI created. Of the remaining seven projects, four are over 98 percent complete. Throughout all phases of the inventory production, the MNR remains responsible for inspecting the work of forest industry and/or their contractors for adherence to specifications and data quality prior to acceptance and inclusion in the provincial database.

Table 6: FRI Completion Project Costs for Year 5 (Phase 3)	
	Phase 3
Lac Seul	33,228
Brightsand	116,456
Spruce River	436
Lake Nipigon	166,316
FRI Production 01/02 Costs	\$316,436

Phase 3 - data preparation, data automation and associated project management

COMMITTEE OPERATION

Activities

The full Committee met 13 times during the year. On three other occasions, two or more Committee members participated in each of three field trips to project sites. In addition the Committee Chair met with senior staff of MNR's Forest Management Branch and attended a meeting of the Living Legacy Trust.

Between meetings there were frequent exchanges among members, by e-mail and/or phone, to conduct Committee business, including the preparation of draft letters, recommendations, analyses and field visit reports (see Appendix 5 for a sample field visit report).

The Committee is pleased to report that the quality of both project applications and project work reports continues to improve - a function of the continuing refinements by the Committee of the forms used and the growing experience of those whose job it is to prepare applications and/or project work reports. The importance of the latter cannot be overestimated. They continue to be the principal mechanism for monitoring Forestry Futures projects - one of the key components of the Committee's responsibilities.

Committee Budget

The following is a statement of the Committee's operating budget for the period 01 April 2001 to 31 March 2002.

Table 7: Forestry Futures Committee Operating Budget 2001-02

Budget Item	Amount
Available Funds	
Received from the <i>Forestry Futures Trust</i>	98,083.00
Prior Year unspent balance	81,584.90
Total funds available 01-02	179,667.90
Expenditures	
Meetings	35,728.19
Per diems	52,552.50
Admin Support	13,136.86
Supplies (tel/fax, photo copying, courier, postage, paper and supplies)	8,218.18
Signage/equipment	484.66
Overhead	4,670.00
Total Expenses	114,790.39
Funds remaining in Operating Budget at 31 March 2002	64,877.51

Prepared by: Lakehead University Financial Services

The Ministry of Natural Resources

The integrity of the arms-length relationship between the Ministry and the Forestry Futures Committee, which underpins the Forestry Futures Trust concept, remains fully intact. Having said that it must be noted that the Committee continues to be ably supported by a Secretariat comprising MNR staff situated in Sault Ste. Marie - Thom McDonough and Betty Hammond.

In addition to Mr. McDonough and Ms Hammond there are other MNR staff who made a significant contribution to the work of the Committee. They are: Mr. Bill Morrison, Corporate Affairs Branch and Ms. Betty van Kerkhof, Forest Management Branch, in support of the Committee as it carried out its expanding mandate related to the Independent Forest Audit program; and Mr. Joe Kapron, Information Management Branch, with respect to the Forest Resources Inventory Completion project. The Committee wishes to thank each of them.

AUDITORS' REPORT

In accordance with the terms of reference of the Forestry Futures Committee the Annual Report includes a copy of the independent audit of the Forestry Futures Trust and the Forestry Futures Committee for the fiscal year 2001-2002, see Appendix 1.

APPENDICES

APPENDIX 1

AUDITORS' REPORT TO THE ONTARIO MINISTER OF NATURAL RESOURCES AND THE TRUSTEE OF THE FORESTRY FUTURES TRUST

FORESTRY FUTURES TRUST STATEMENT OF FINANCIAL POSITION

FORESTRY FUTURES TRUST STATEMENT OF OPERATIONS

FORESTRY FUTURES TRUST STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR PROJECT DISBURSEMENTS

APPENDIX 2

ON-GOING PROJECTS

**ROUNDS SIX, SEVEN, EIGHT,
NINE, TEN, ELEVEN,
TWELVE AND THIRTEEN**

ROUND SIX PROJECTS

PROJECT NUMBER 242-2-R6

Applicant Malette Inc.
Type Remediation following a fire, specifically establishing conifer plantations.
Funding Approved \$1,068,889 over two years. (\$444,395 for 1998-99; \$624,494 for 1999-00)
Description This project consists of mechanically scarifying (using an angle blade) sites burned by the Sewell Twp. Fire, Timmins #24 followed by planting 200 ha of jack pine and 985 ha of spruce. Romeo Malette Forest. The total cost to the *Forestry Futures Trust* was \$480,766.

ROUND SEVEN PROJECTS

PROJECT NUMBER 268-1-R7

Applicant Parry Sound District/Westwind Forest Stewardship.
Type Intensive stand management to meet future timber supply shortages, specifically quality hardwoods.
Funding Approved \$45,000 divided equally over three years. (1998-01)
Description To carry out pre-commercial stand improvement in tolerant hardwood stands that are not commercially viable due to the age of the stand, size of stems, and location of the stand to reasonable access. Braccbridge and Georgian Bay.

PROJECT NUMBER 269-1-R7

Applicant Bancroft District/Mazinaw CMU.
Type Intensive stand management to meet future timber supplies shortages, specifically white and red pine.
Funding Approved \$896,760 divided equally over three years. (1998-01)
Description To mechanically site prepare with Young's teeth, a root rake or a straight blade on a dozer 846 ha in the Mazinaw CMU over three years to reestablish white and red pine in mixed-wood stands. Plant pine container and/or bare root stock at 500 stems/ha.

PROJECT NUMBER 276-1-R7

Applicant Kemptville District, Lanark CMU.
Type Intensive stand management to meet future timber supply shortages, specifically white pine.
Funding Approved \$43,644 over two years. (\$17,700 for 1998-99 and \$25,944 for 2000-01)
Description This project consists of mechanically scarifying (Bracke, Leno or Young's Teeth) 12 ha in Perch Lake, 12 ha in Raycroft Lake, 15 ha along the California Road and 20 ha in the Darling Long Lake areas to promote the natural regeneration of white pine. This will be followed by herbicide application (ground application of glyphosate (Vision®) at a rate of 1.5 and 2.0 kg a.i. /ha on 47 ha to control competing hardwood prior to planting. These sites will be planted with white pine container and/or bare root planting stock in Year 2 to supplement the natural regeneration. This project will provide training and local employment. It will also contribute to the knowledge transfer from MNR to the private sector which will be managing the area under an SFL.

ROUND EIGHT PROJECTS:

PROJECT NUMBER 284-1-R8

Applicant J.E. Martel Lumber Corp.
Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning.
Funding Approved \$200,000 over two years. (\$40,000 for 1999-00; \$160,000 for 2000-01)
Description This project consists of digitizing historical regeneration information to select over-stocked conifer stands and subsequent thinning of these stands to accelerate crop tree growth. Over 500 ha of over-stocked 10- to 30-year old jack pine stands will be manually thinned to densities of 1200 to 1500 trees per ha over a two-year period. This will reduce the age to harvest to address the predicted future conifer wood supply shortage. This project will also provide employment for a forestry co-op student, local First Nations citizens and other local forestry workers.

PROJECT NUMBER 285-2-R8

Applicant Donohue Quno Inc.
Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding Approved \$1,768,685 over three years. (\$559,699 for 1999-00; \$692,297 for 2000-01, \$516,689 for 2001-02)
Description This project consists of replanting portions of the forests south-east of Timmins burned by the Timmins Fire # 12 in 1997. A salvage operation in the fall of 1997 and 1998 created sties ready for treatment. Approximately

1357 ha of the 3760 ha burned are predicted to regenerate without treatment. This project will treat the remaining area. At least 1733 ha will be mechanically site prepared, 2002 ha planted to jack pine at a density of 1624 trees per ha, and 2184 ha aerial tended to reestablish a productive jack pine forest. This treatment is predicted to increase the conifer supply by 2.8 percent and provide local employment for the forestry sector.

PROJECT NUMBER 288-2-R8

Applicant Abitibi-Consolidated Inc.
 Type Silvicultural remediation of areas affected by the forces of natural depletion, in this case wildfire.
 Funding Approved \$1,094,966 over three years. (\$190,275 for 1998-99; \$821,039 for 1999-00 and \$83,652 for 2000-01)
 Description This project consists of the renewal of productive forest area in the Iroquois Falls Forest destroyed by the Cochrane Fire # 19 in June 1997. The renewal treatment consist of winter shear blade site preparation, planting black spruce and white spruce seedlings, aerial seeding and aerial chemical tending where required.

PROJECT NUMBER 289-2-R8

Applicant Superior Forest Management Ltd.
 Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
 Funding Approved \$189,661 over two years. (\$168,956 in 1999-00 and \$20,705 in 2000-01)
 Description This project consists of regenerating young free-to-grow plantations, young naturally regenerating spruce forests, and mature mixed wood forests burned by the Chapleau Fire # 13 in May, 1998. A 320 ha area with inadequate conifer seed supplies on-site will be planted to jack pine and spruce. Aerial tending with Vision ® (glyphosate) at rates of 1.8 kg. a.i. per ha in 2001 will control competing species and release crop trees. Volume gains on treated areas are estimated at 13,924 and 32,074 cu m per ha.

PROJECT NUMBER 290-1-R8

Applicant Mazinaw-Lanark Forest Inc.
 Type Intensive stand management, specifically releasing white pine.
 Funding Approved \$77,400 over three years. (\$18,600 for 1999-00; \$24,950 for 2000-01; \$33,850 for 2001-02)
 Description This project consists of stand improvement through the release and protection of existing advanced white pine and red oak regeneration with infill planting where needed. Careful logging while removing poor quality hardwoods will protect advanced regeneration and improve crop trees quality. A small 43 ha pine plantation will be pruned to promote the growth of material suitable for poles. This project will provide local employment for the smaller local forestry businesses.

PROJECT NUMBER 291-1-R8

Applicant Mazinaw-Lanark Forest Inc.
 Type Intensive stand management, specifically establishing red oak
 Funding Approved \$42,904 over three years. (\$10,201 for 1999-00; \$22,502 for 2000-01; \$10,201 for 2001-02)
 Description This project consists of promoting red oak regeneration and growth through the use of prescribed fire. Fire will reduce the growth of many competing species while stimulating red oak growth. The area treated, if successfully regenerated to red oak, represents 9.4 percent of the current oak forest in Lanark producing a predicted volume of 24,000 cu m of high value red oak timber for the forest industry over one rotation. This project will also provide experience for local forestry staff.

PROJECT NUMBER 293-1-R8

Applicant Bancroft-Minden Forest Co. Inc.
 Type Intensive stand management, specifically tolerant hardwood stand improvement to meet the demand for quality hardwood sawlog material.
 Funding Approved \$519,090 divided equally over three years. (1999-02)
 Description This project consists of the removal of poor quality hardwoods on 4719 ha over three years to release and space good quality trees on productive hardwood sites. This will help develop a forest where 43 percent of the volume is in high quality sawlog and veneer trees. This project provides both short-term and future local employment to forestry crews and local sawlog operators.

PROJECT NUMBER 299-1-R8

Applicant Westwind Forest Stewardship Inc.
 Type Intensive stand management, specifically the conversion of off-site hardwoods to white pine and spruce.
 Funding Approved \$112,800 over three years. (\$18,000 for 1999-00; \$56,400 for 2000-01; \$38,400 for 2001-02)
 Description This project consists of the conversion of poor quality hardwood forests to white pine and spruce by harvesting, mechanical site preparation, and planting white spruce and white pine on 60 ha. This will help meet the projected shortage of white pine and white spruce supply in the future, while providing short-term local employment.

PROJECT NUMBER 301-1-R8

Applicant	North Bay District and Temagami First Nation.
Type	Intensive stand management to increase sawlog supply by pre-commercially thinning red, white, and jack pine plantations.
Funding	Approved \$720,000 divided equally over three years. (1999-02)
Description	This project consists of manually thinning 462 ha of jack pine, red pine, and white pine in the Temagami area and tending 362 ha of pine plantations. This will provide employment for the local First Nation community for an 8 to 9 month period over three years.

ROUND NINE PROJECTS:

PROJECT NUMBER 306-2-R9

Applicant	Bowater Pulp and Paper Canada Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding	Approved \$385,025 over two years. (\$380,796 for 1999-00 and \$4,229 for 2000-01)
Description	This project involves growing and planting jack pine and black spruce in the Penny Lake and Spruce River Road areas of the Black Sturgeon Forest that were destroyed by forest fire during the summer of 1998. Planting at densities of 1800 trees per ha will create productive plantations that will contribute to future timber supply. This project provides employment to local silvicultural workers including residents of the Whitesand First Nation.

PROJECT NUMBER 307-1-R9

Applicant	Abitibi-Consolidated Inc.
Type	Intensive stand management to increase timber production where critical shortages occur, in particular, manually spacing jack pine.
Funding	Approved \$106,671 over three years. (\$52,500 for 1999-00; \$53,550 for 2000-01; \$ 54,621 for 2001-02)
Description	This project consists of manually spacing juvenile jack pine (age 14 to 16 years of age) in the Turtle River Road area east of Fort Francis to reduce stand densities from 7,000 to 13,000 to 9700 stems per ha. This would provide employment over three years and contribute to the critical future wood supply shortages in the Fort Francis Forest (Highrock Forest).

PROJECT NUMBER 310-2-R9

Applicant	Spruce Falls Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding	Approved \$80,850 over two years. (\$48,888 for 1999-00 and \$31,962 for 2000-01)
Description	This project consists of planting 83 ha of burned forests to jack pine and black spruce at a density of 1800 trees per ha and mechanically site preparing and aerial seeding 239 ha at densities of 50,000 jack pine seeds per ha. This project provides local employment for the forestry sector. It will also contribute to meet the predicted shortage of conifer supply in the Gordon Cosens Forest.

PROJECT NUMBER 315-2-R9

Applicant	Timiskaming Forest Alliance Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding	Approved \$2,132,525 over three years. (\$615,235 for 1999-00; \$774,500 for 2000-01 and \$742,790 for 2001-02)
Description	This Project consists of chemically and mechanically site preparing, purchasing and planting 4,536,000 jack pine and 504,000 black spruce on burned plantations and recently salvaged burned forests in the Watabeeg Lake area southeast of Timmins in the Temiskaming Forest. The tree-plant will generate 7.4 person years of employment, 0.5 person-years for site preparation and 0.25 person-years for tending while establishing a future conifer wood supply.

PROJECT NUMBER 321-1-R9

Applicant	Abitibi-Consolidated Inc.
Type	Intensive stand management to manually thin young jack pine stands.
Funding	Approved \$ 540,000 over three years. (\$120,000 for 1999-00; \$180,000 for 2000-01 and \$240,000 for 2001-02)
Description	This Project consists of spacing juvenile jack pine in the Whiskey Lake area. Spacing will accelerate the growth of crop trees by reducing competition and increase the resources available for crop tree growth. This will provide immediate employment for the local First Nations community and meet the future demand for conifer sawlog material.

PROJECT NUMBER 322-2-R9

Applicant	Domtar Inc.
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Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire
Funding	Approved \$858,821 over three years. (\$363,956 for 1999-00; \$446,865 for 2000-01; and \$48,000 for 2001-02)
Description	This Project consists of re-establishing conifer crop trees in cutover areas on the White River that were destroyed by the Crocker Lake fire. The work consists of site preparation (340 ha), planting (2.3 mill), aerial seeding (350 ha), and aerial tending (1,140 ha). By intensively managing these areas the Company expects that maximum pine and spruce yields can be realized thereby helping to reduce long-term wood supply shortages on the White River Forest.

ROUND TEN PROJECTS

PROJECT NUMBER 325-1-R10

Applicant	Red Lake Forest Management Co. Ltd.
Type	Intensive conifer stand management to space suppressed jack pine to meet predicted critical shortfalls in sawlog material.
Funding	Approved \$99,000 over two years. (\$49,500 in 2000-01; \$49,500 for 2001-02)
Description	This Project consists of using brushsaws to manually spacing dense 13-year old post-fire juvenile jack pine from 36,000 stems per ha to approximately 2400 trees per ha. This will increase the growth rate of crop. The Project, located 46 and 75 km north of Red Lake, will provide short-term training and employment for local silvicultural workers. Red Lake Forest SFL.

PROJECT NUMBER 326-1-R10

Applicant	Red Lake Forest Management Co. Ltd.
Type	Intensive forest management to establish plantations on sites prepared through prescribed burning to meet predicted future shortfalls in sawlog material.
Funding	Approved \$30,000 for one year. (2000-01)
Description	This Project consists of cutting, tramping, and burning a 300 ha peninsula on Little Vermillion Lake. This site was harvested for mining timbers in the 1930's and 1940's and subsequently subjected to spruce budworm infestations. This will reduce the local fire hazard and bring this site back into the productive forest. Red Lake Forest SFL.

PROJECT NUMBER 327-1-R10

Applicant	Bowater Pulp and Paper Canada Inc.
Type	Intensive stand management to space suppressed conifer to meet predicted shortfalls in jack pine sawlog material.
Funding	Approved \$280,000 over three years. (\$40,000 for 1999-00; \$140,000 for 2000-01; \$100,000 for 2001-02)
Description	This project consists of manually spacing 700 ha of dense 8 to 15-year old jack pine in the Gull Bay and Current River areas to stand densities of 2000 to 2500 trees per ha to increase crop tree growth rates. This project will provide training and employment for Gull Bay First Nation and will increase future jack pine sawlog volume from 85 to 234 cu m per ha at rotation. Black Sturgeon Forest SFL.

PROJECT NUMBER 330-2-R10

Applicant	Domtar Inc. and Whitesands Forestry.
Type	Silvicultural remediation of areas depleted by fire.
Funding	Approved \$777,918 over two years. (\$494,661 for 2000-01; \$283,257 for 2001-02).
Description	This project consists of regenerating two stands adjacent to Holland Lake, northwest of Whitesand Lake and a block north of the Pikitigushi Road west of Rapid Lake, which were burned by 1996 fires (Fire THU #74 - Whitesands Lake Fire). Specifically, 818 ha will be mechanically site prepared and planted to jack pine and spruce. These plantations will also be manually or aerially tended in the second year. This project will provide employment for the Whitesand First Nations residents and will provide work in the local Jellien Nursery in Armstrong. The project will also help stabilize the conifer wood supplies in this area. Armstrong Forest MU.

PROJECT NUMBER 331-2-R10

Applicant	Bowater Pulp and Paper Canada Inc.
Type	Silvicultural remediation of areas depleted by fire.
Funding	Approved \$193,660 over three years. (\$83,250 for 1999-00; \$89,550 for 2000-01 and \$20,860 for 2001-02).
Description	This Krug Lake/Nipigon 10 plantation replant project is located in the Cameron Falls area. It consists of replanting plantations established in 1989 that were burned during the 1999 fire season. It includes the production of 425,000 black spruce and 25,000 jack pine seedlings in 1999 and the subsequent planting of seedlings on 227 ha in the spring of 2000. This project is a cooperative project with the Rocky Bay First

Nation. It provides immediate training and local employment and contributes to future critical conifer wood supplies. Black Sturgeon Forest.

PROJECT NUMBER 332-2-R10

Applicant Bowater Pulp and Paper Canada Inc.
Type Silvicultural remediation of areas depleted by 1999 fires.
Funding Approved \$238,270 over three years. (\$175,000 for 1999-00; \$27,720 for 2000-01; \$35,550 for 2001-02)
Description This project consists of growing and planting 560,000 black spruce and jack pine on 343 ha with subsequent tending of established plantations in the Church Road area. The objective is to replace advanced regeneration destroyed by fire (Nipigon 10) during May 1999. This project provides employment for Dorion residents and contributes to sustaining future critical conifer wood supplies in the area. Black Sturgeon Forest.

PROJECT NUMBER 333-2-R10

Applicant Bowater Pulp and Paper Canada Inc.
Type Silvicultural remediation of areas depleted by fire.
Funding Approved \$305,520 over three years. (\$263,831 for 1999-00; \$41,689 for 2000-01)
Description The Paper Eskimo pretreatment project consists of reestablishing selected jack pine and black spruce mixed conifer stands in the Brightsand Forest that were burned in June 1998. Approximately 845 ha will be seeded (by air) and 488 ha planted at densities of 1200 to 1700 seedlings per ha. This will provide local employment in the short-term and will contribute to the long-term conifer supply for local mills. Brightsand Forest.

PROJECT NUMBER 334-2-R10

Applicant Abitibi-Consolidated Inc.
Type Silvicultural remediation of areas depleted by blowdown.
Funding Approved \$223,286 over two years. (\$63,000 for 2000-01, \$160,286 for 2001-02)
Description The regeneration of the Calm Lake-Step Rock blowdown, located 10 to 20 km northwest of Atikokan near Miranda and Righteye Lakes, consists of reestablishing forests that were blown down in late June 1999. The project consists of mechanically site preparing 360 ha with a bracke patch scarifier, planting 227 ha of jack pine and spruce container stock, seeding 126 ha of jack pine and chemically tending 226 ha with Vision® herbicide. This will help meet projected future shortfalls in jack pine and spruce. Highrock Forest.

PROJECT NUMBER 339-2-R10

Applicant Weyerhaeuser Canada Ltd.
Type Silvicultural remediation of areas depleted by fire.
Funding Approved \$1,579,700 over two years. (\$78,500 for 1999-00; \$1,501,200 for 2000-01)
Description This project consists of reestablishing conifer plantations on 3000 ha burned in the 1999 Chapleau Fire #01-99. This site is located within 35 km of Chapleau. Post-fire competition will be controlled through the application of Vision® herbicide (5 L diluted in 15 L of water) followed by planting jack pine seedlings at 1800 stems per ha. This would provide short-term employment for silvicultural workers and contribute to the long-term conifer wood supply for local mills. Superior Forest.

PROJECT NUMBER 340-2-R10

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by wind.
Funding Approved \$38,850 over three years. (\$8,600 for 1999-00; \$27,600 for 2000-01; \$2,650 for 2001-02)
Description This project consists of regenerating upland conifer stands in Block 751 damaged by a severe November 1997 windstorm. Following the salvage harvest, 40 ha will be mechanically site prepared and planted with more competitive, fungi-innoculated black spruce seedlings to accelerate early growth on these nutrient-rich moist sites. This project will contribute to the future conifer wood supply to help bridge the wood supply gaps on the Unit. White River Forest.

PROJECT NUMBER 341-1-R10

Applicant Shiningtree Forest Inc.
Type Intensive conifer stand management to space suppressed conifer to meet predicted shortfalls in sawlog material.
Funding Approved \$550,000 over three years. (\$192,500 for 2000-01 and 2001-02; \$165,000 for 2002-03)
Description This project consists of pre-commercially thinning 1000 ha of 11 - 18-year old aerially seeded jack pine stand in the Shiningtree SFL from 4500 – 20000 stems per ha to 1400 – 1900 stems per ha to accelerate crop tree growth and to reduce time to rotation. This will also provide short-term employment for silvicultural workers and increase future wood supplies to the mill. Shiningtree Forest SFL.

PROJECT NUMBER 342-1-R10

Applicant Domtar Inc.
Type Intensive tolerant hardwood stand management to meet a critical future timber supply, specifically for quality hardwood sawlog and veneer quality timber.
Funding Approved \$216,000 divided equally over three years (2000-03).
Description This project consists of felling unmerchantable trees (undersize or cull) and thinning crop trees in even-aged hardwood stands in forests managed under the selection and shelterwood systems. This will space and improve the quality of tolerant hardwood stands, thereby increasing the percentage of quality hardwood sawlog and veneer material to meet a critical wood supply shortage. Northshore Forest SFL.

PROJECT NUMBER 343-1-R10

Applicant Westwind Stewardship Inc.
Type Intensive to tolerant hardwood/white pine/red pine stand management to meet a critical future timber supply, specifically for hardwood sawlog and veneer quality timber.
Funding Approved \$133,839 divided equally over 3 years (1999-02)
Description This project consists of felling unmerchantable material in white pine - tolerant hardwood forests in the seeding-stage cut of stands managed under uniform shelterwood systems. This activity provides the necessary light and seedbed conditions needed for the successful renewal of valuable hardwood species, specifically yellow birch, red oak, and white pine. French Severn Forest SFL.

PROJECT NUMBER 346-1-R10

Applicant Bancroft-Minden Forest Co. Inc.
Type Intensive tolerant hardwood stand management to meet a critical future timber supply, specifically for quality hardwood sawlog and veneer quality timber.
Funding Approved \$63,000 divided equally over three years. (1999-02)
Description This project consists of felling unmerchantable trees (undersize or cull) and thinning crop trees in even-aged hardwood stands on 1050 ha (350 ha per year) in forests managed under the selection system. This will space and improve the quality of tolerant hardwood stands, increasing the percentage of quality sawlog material to meet a short-term critical wood supply shortage. Minden MU.

PROJECT NUMBER 348-1-R10

Applicant MNR North Bay/Grant Forest Products Inc.
Type Intensive conifer stand management to space suppressed conifer to meet predicted shortfalls in sawlog material.
Funding Approved \$372,600 divided equally over three years. (2000-03)
Description This project consists of tending white pine, red pine, jack pine and white spruce plantations to increase crop tree growth through spacing. In the short-term this will provide local training and employment in silvicultural work. The faster growth will contribute to meeting predicted pine wood supply shortages. Temagami CMU.

PROJECT NUMBER 349-2-R10

Applicant Weyerhaeuser Canada Ltd.
Type Silvicultural remediation of areas depleted by spruce budworm.
Funding Approved \$426,460 over two years. (\$100,358 for 2000-01; \$326,102 for 2001-02)
Description This project consists of the conversion of 597 ha of budworm depleted stands in the Wabigoon Forest south of Dryden through a salvage harvest, mechanical scarification with power disc trencher, planting jack pine, red pine and black spruce followed by chemical and manual cleaning. This will bring this forest back into production to meet critical shortfalls in conifer wood supplies. Wabigoon Forest.

ROUND ELEVEN PROJECTS

PROJECT NUMBER 354-1-R11

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of young jack pine plantations.
Funding Approved \$59,580 over two years. (\$35,640 for 2000-01; \$23,940 for 2001-02)
Description This project consists of manually spacing 170 ha of dense (7,000 to 13,000 stems per ha) 14 -year old Site Class 2 jack pine over two years to increase the rate of growth of crop trees to meet projected critical shortfalls in conifer supply. The project, located 50 km southwest of Atikokan, will provide local employment for silvicultural workers, including First Nation communities from the Lac La Croix and Seine River areas, and will contribute to future critical wood supplies for the local mills in Fort Frances, Barwick and Sapawe. Fort Frances/Flanders Forest.

PROJECT NUMBER 355-2-R11

Applicant Red Lake Forest Management Co. Ltd.
Type Silvicultural remediation of areas depleted by spruce budworm.
Funding Approved \$126,000 for three years. (\$15,000 for 2000-01; \$61,500 for 2001-02; \$49,500 for 2002-03)
Description This project consists of harvesting, windrowing, mechanically scarifying and planting black and white spruce on budworm depleted mixedwood forests growing on nutrient-rich soils in the Tomato Lake area, 30 km from Red Lake. This stand reclamation project will reduce the local fire hazard, provide local employment to silvicultural contractors, and contribute to local conifer shortfalls. Red Lake Forest.

PROJECT NUMBER 356-1-R11

Applicant Domtar Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of young jack pine plantations.
Funding Approved \$651,700 over three years. (\$170,000 for 2000-01; \$216,500 for 2001-02; \$265,200 for 2002-03)
Description This project consists of manually spacing 1500 ha of dense (5,000 to 10,000 stems per ha) aerially seeded 10- to 20 -year old Site Class 1 and 2 jack pine stands, growing on deep, well-drained sands, over three years. This will increase the rate of growth of crop trees to meet projected critical shortfalls in conifer supply on the unit. The project will provide training and employment for the local Pic Mobert First Nation residents and contribute to the future wood supply for the White River sawmill. Projected increases in sawlog volume are 93,000 cu m. White River Forest.

PROJECT NUMBER 357-1-R11

Applicant Weyerhaeuser Canada Ltd.
Type Intensive stand management to meet a future critical wood shortage, specifically to establish red and white pine plantations in mixedwood forests.
Funding Approved \$113,700 over three years. (\$27,675 for 2000-01; \$58,995 for 2001-02; \$27,030 for 2002-03)
Description This project consists of mechanical site preparation (straight blade) of 100 ha to establish planting corridors in mixedwood stands to establish red and white pine at a density of 1500 stems per ha. Subsequent planting and follow-up tending will help keep these seedlings free from competition in the early years. This project will provide local silvicultural employment and will contribute to the critical shortage of white and red pine on the unit. Superior Forest.

PROJECT NUMBER 359-1-R11

Applicant Clergue Forest Management Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically the stand improvement in tolerant hardwood stands.
Funding Approved \$660,150 divided equally over three years. (2000-03)
Description This project supplements logging costs in low quality, diseased, and declining hardwood stands in the Algoma Forest to pay for the removal of unmerchantable stems in stands managed under the selection and shelterwood systems. This culling and spacing program will increase the growth rate of crop trees and improve the overall quality of the stands, thereby increasing the percentage of sawlog and veneer quality hardwood supply to local mills in Sault Ste. Marie and Thessalon. Algoma Forest.

PROJECT NUMBER 361-1-R11

Applicant The Vermillion Forest Management Co. Ltd.
Type Intensive management of red and white pine forests, specifically the establishing of red pine plantations and the release of established white pine-red pine-white pine plantations to meet conifer wood supply shortages.

Funding	Approved \$240,160 over three years. (\$128,160 for 2000-01; \$40,000 for 2001-02; \$72,000 for 2002-03).
Description	This project consists of two components: 1) Mechanical and chemical site preparation followed by planting 360,000 red pine seedlings (at 1800 trees per ha) on 200 ha of intolerant hardwood sites in Drury and Trill Townships near the western boundary of the Sudbury Forest, and 2) The release of established white pine-red pine-white spruce plantations in Waldie Township by girdling non-crop trees on 182 ha with EXJECT capsules (Release® herbicide) and ground spraying 108 ha with herbicide. This project will provide silvicultural employment for local First Nations. Sudbury Forest.

PROJECT NUMBER 363-2-R11

Applicant	The Vermillion Forest Management Co. Ltd.
Type	Silvicultural remediation of areas affected by industrial pollution.
Funding	Approved \$ 811,000 over 3 years. (\$91,317 for 2000-01; \$277,844 for 2001-02; \$411,839 for 2002-03)
Description	This project consists of growing red and white pine, and white spruce nursery stock and planting 3100 ha of Crown Land degraded through past industrial activity. The areas planted for future commercial management will be distributed on the deeper soiled areas of the treatment blocks located east and north-west of the city of Sudbury. This project will provide immediate training and local employment for First Nations contractors. The establishment of red and white pine will contribute to critical pine sawlog supply. Sudbury Forest.

PROJECT NUMBER 364-2-R11

Applicant	Domtar Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wind and fire.
Funding	Approved \$891,330 over three years. (\$525,263 for 2000-01; \$278,830 for 2001-02; \$87,237 for 2002-03)
Description	This project consists of reestablishing productive jack pine, black spruce and white spruce conifer plantations in stands damaged in the May 1999 fire and July 1999 windstorm southeast of Chapleau in the Martel Forest. The treatments include mechanical site preparation (disc trencher and straight blade) on 1060 ha, tree planting on 1460 ha and chemical tending on 1060 ha. The benefits of this project include the short-term provision of local employment in the silvicultural sector and the maintenance of conifer wood supply to avoid projected decreases of 180 percent in spruce/pine/fir volumes. J.E. Martel Forest.

PROJECT NUMBER 365-2-R11

Applicant	Domtar Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case windthrow.
Funding	Approved \$ 695,883 over three years. (\$390,595 for 2000-01; \$200,100 for 2001-02; \$105,188 for 2002-03)
Description	This project consists of reestablishing productive jack pine stands on 935 ha of 50 to 80 year old jack pine forests damaged by windthrow in the Pinelands Windstorm July 1999 windstorm in the Pineland Forest. The project includes mechanical scarification (disc trencher), planting jack pine seedlings, and aerially tending the young plantations with herbicide to control competition. Benefits include providing local employment and increasing the future jack pine wood supply by 4 to 9 percent over a 10-year period. Pineland Forest.

PROJECT NUMBER 366-2-R11

Applicant	Domtar Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case a spring 1999 wildfire.
Funding	Approved \$19,200 over three years. (\$14,800 for 2000-01; \$4,400 for 2002-03)
Description	This small project consists of hand planting 40,000 red pine to reestablish a 20-year old plantation and a 13 ha 80-year old white birch forest in Timbrell Twp. burned in the spring of 1999. The project also includes aerially tending the 40 ha young plantations in 2002 with herbicide to control competition. Benefits include providing local employment and will help to maintain the red pine wood supply. Northshore Forest.

PROJECT NUMBER 367-2-R11

Applicant	Domtar Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case a 1999 White River Forest windstorm.
Funding	Approved \$ 138,350 over three years. (\$32,850 for 2000-01; \$93,000 for 2001-02; \$12,500 for 2002-03)
Description	This small project consists of reestablishing a productive forest in areas damaged by a major windstorm in the White River Forest. Specifically, it funds mechanical site preparation of 150 ha with associated slash piling and burning, stock purchase, planting 300,000 jack pine and tending young plantations on 125 ha. Benefits include the provision of local employment and the maintenance of the wood supply to the White River sawmill. White River SFL.

PROJECT NUMBER 368-1-R11

Applicant Mazinaw -Lanark Forest Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically establishing and maintaining red oak regeneration through stand improvement and chemical site preparation silvicultural techniques.
Funding Approved \$ 44 ,415 over two years. (\$12,690 for 2000-01; \$31,725 for 2001-02)
Description This project consists of culling invading low grade tolerant hardwood in and around oak seed trees followed by the application of Vision® herbicide to release crop red oak in North Canonto and Ashby twps from competing hardwoods. This will provide local employment to forestry and logging contractors, provide training to local forest industry partners, enhance white-tailed deer habitat (mast production) and provide for the future red oak sawlog and veneer supply to local mills. Mazinaw Forest.

ROUND TWELVE PROJECTS**PROJECT NUMBER 375-1-R12**

Applicant Abitibi-Consolidated Inc.
Type Intensive conifer stand management to space suppressed jack pine to meet predicted critical shortfalls in sawlog material.
Funding Approved \$107,314 (\$53,657 in 2000-02; \$53,657 for year 2).
Description The Pipe Lake/Hutton Stand Enhancement project consists of using brushsaws to manually space 334 ha of dense 14 to 19-year old post-fire juvenile jack pine from 7000 stems per ha to 1700 trees per hectare. This will increase the growth rate of crop trees, provide short-term training and employment for local Lac La Croix First Nations and Seine River silvicultural workers, and meet future predicted shortfalls in sawlog supplies. Fort Francis Flanders Forest MU.

PROJECT NUMBER 376-1-R12

Applicant Abitibi-Consolidated Inc.
Type Intensive conifer stand management to space suppressed jack pine to meet predicted critical shortfalls in sawlog material.
Funding Approved \$621,400 over three years (\$203,000 in 2001-02; \$207,100 in 2002-03, \$211,300 in 2003-04)
Description This project consists of using brushsaws to manually spacing 2100 ha of dense 9 to 15- year old direct seeded juvenile jack pine from 6,000 to 15,000 stems per ha down to target densities of 1500 to 1800 trees per hectare. This site is located 70 to 90 km north from Fort Frances in the West Division of the Highrock Forest SFL. This will increase the growth rate of crop growth and contribute to the predicted shortfall. Highrock Forest MU.

PROJECT NUMBER 377-1-R12

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to space suppressed jack pine to meet predicted shortfalls in jack pine sawlog material.
Funding Approved \$71,650 (\$35,825 in 2000-01; \$35,825 2002-03).
Description The Kenorain Blowdown Stand Enhancement project consists of manually spacing 223 ha of dense (9,000 to 12,000 stems per ha) 16-year old jack pine established following the salvage cut of a forest damaged by severe winds. Target densities of 1500 to 1800 trees per ha will promote the growth of crop trees and shorten the age of rotation to meet future wood supply shortages. Thinning activities will provide employment for local First Nations communities. This site is located 40 km northeast of Mine Centre between Fort Frances and Atikokan Ontario. Highrock Forest MU.

PROJECT NUMBER 379-1-R12

Applicant Abitibi-Consolidated Inc.
Type Intensive conifer stand management by planting 162 ha of barren and scattered class xyz lands.
Funding Approved \$50,328 in 2001-02.
Description This project consists of re-fill planting of jack pine on 162 ha of barren and scattered (Class Z) lands on the Stewart Lake Road, 50 km southeast of Mine Centre in the Fort Frances-Flanders SFL. Planting will be at densities of 800 trees/ha with chemical tending planned for 2002. The tending will be funded by the Renewal Trust. Fort Francis-Flanders Forest MU.

PROJECT NUMBER 380-2-R12

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by fire.
Funding Approved \$143,850 over two years (\$58,350 2000-01; \$85,500 in year 2).

Description	This project consists of regenerating forests near Undersill Lake burned by the Beardmore Wildfire (NIP #12) during 1999 and salvaged harvested. Specifically, 150 ha will be mechanically site prepared and planted to jack pine and spruce at densities of 1800 trees per ha. Future aerial applications of glyphosate (Vision®) may be carried out at the expense of the company. This project will provide employment opportunities in the Beardmore area in addition to contributing to the long-term wood supply objectives of this forest. Lake Nipigon Forest MU.
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PROJECT NUMBER 381-2-R12

Applicant	Kimberly-Clark Inc.
Type	Silvicultural remediation of areas depleted by fire.
Funding	Approved \$316,290 for 2001-02.
Description	This project consists of regenerating 470 ha of one-year old black spruce plantations and natural regeneration of black spruce lowlands harvested under the Careful Logging Around Advanced Growth (CLAAG) systems burned in a 1999 wildfire. The site is located 60 km east of Longlac. Specifically, 811,000 black spruce container stock will be planted at an average density of 1725 trees per ha. This Project will contribute to the future conifer wood supply for local mills and provide employment for residents of Longlac, Geraldton, Nakina, Terrace Bay, and local First Nations communities. Kenogami Forest MU.

PROJECT NUMBER 382-2-R12

Applicant	Domtar Inc.
Type	Silvicultural remediation of areas depleted by 1999 fires.
Funding	Approved \$180,292 in 2001-02.
Description	This project consists of establishing plantations on areas in the Armstrong Forest burned by the Linklater Lake Fire (THU #65) in 1996 and salvage harvested during the winter of 1999-00. This site is located approximately 80 km from Armstrong. Specifically, this Project involves site preparing (disc trencher) and planting 338,400 black spruce and jack pine on 188 ha. This Project will contribute to the softwood fibre supply for the Red Rock linerboard mill and provide employment opportunities for the Whitesand First Nation. Armstrong Forest.

PROJECT NUMBER 383-2-R12

Applicant	Weyerhaeuser Canada Ltd.
Type	Silvicultural remediation of areas depleted by fire.
Funding	Approved \$62,881. (\$49,084 in 1999-00 and 13,797 in 2000-01)
Description	The Fawn Fire Reforestation Project consists of reestablishing selected jack pine and black spruce forests on portions of the 422 ha burned in 1999. Approximately 81 ha will be planted with jack pine and black spruce at densities of 1500 to 1800 seedlings per ha. An additional 172 ha will be aerially seeded with jack pine at rates of 50,000 seeds per ha. These activities will provide 90 person days of employment and will contribute to the long-term conifer supply for local mills. The project is located 68 km northeast of Ear Falls. Trout Lake Forest MU.

PROJECT NUMBER 384-2-R12

Applicant	Bowater Pulp and Paper Canada Inc.
Type	Silvicultural remediation of areas depleted by spruce budworm and wildfire.
Funding	Approved \$1,119,975 over two years (\$238,500 in 2000-01, \$881,475 in year 2).
Description	The North Church Road - Nipigon 10 Burn Plantation Establishment Project consists of mechanically site preparing 1345 ha and planting 2,650,000 black spruce, jack pine and red pine seedlings at densities of 1750 per ha on budworm salvage areas harvested in 1998 and 1999 and burned in the early spring of 1999. The Project area is located approximately 80 km north of Dorion. This will help meet projected future shortfalls in jack pine and spruce. It will also provide employment for local residents of Dorion and a First Nations' Silvicultural Contractor. Black Sturgeon MU.

PROJECT NUMBER 385-2-R12

Applicant	Greenmantle Forest Inc.
Type	Silvicultural remediation of areas depleted by blowdown.
Funding	Approved \$433,697. (\$267,607 in 2001-02; \$166,090 in year 2)
Description	This project consists of reestablishing conifer plantations on 1250 ha of blowdown salvage areas on the Lakehead Forest west of Thunder Bay. Specifically the project will site prepare 1250 ha using disc trenchers and bracke in the summer and early fall of 2001 followed by planting 1,730,100 jack pine, black spruce, red pine, and white spruce seedlings at densities of 1400 trees per ha. This activity provides short-term employment for silvicultural workers and contributes to the long-term conifer wood supply for local mills. Lakehead MU.

PROJECT NUMBER 386-1-R12

Applicant Timiskaming Forest Alliance

Type Intensive conifer stand management to space suppressed conifer to meet predicted shortfalls in sawlog material.

Funding Approved \$450,000. (\$150,000 over three years beginning in 2001-02)

Description This project consists of pre-commercially thinning 1500 ha of 12 to 18 year old jack pine plantations over three years to accelerate crop tree growth in order to meet predicted shortfalls of jack pine sawlog material in 2020. Contract work will be carried out by four First Nations silvicultural workers. The project is located along the Manion Road system, approximately 150 km east of Fort Frances. Brush saws will be used to reduce densities from 7,000 to 18,000 stems per ha to 1500 to 1800 stems per ha. Timiskaming Forest MU.

PROJECT NUMBER 387-1-R12

Applicant Bancroft-Minden Forest Co. Inc.

Type Intensive tolerant hardwood stand management to meet a critical future timber supply, specifically for quality hardwood sawlog and veneer quality timber.

Funding Approved \$91,350. (\$36,750 2001-02; \$27,510 2002-03, \$27,090 2003-04)

Description This project consists of mechanically site preparing and planting trees on 105 ha of harvested 115 year old white pine/red oak/maple/red spruce forests managed under the shelterwood system. This will increase the quality and quantity of regeneration of white pine, red oak and red spruce in the forests of the Grindstone Lake area to meet future critical wood supply shortages. Minden CMU.

ROUND THIRTEEN PROJECTS**PROJECT NUMBER 390-1-R13**

Applicant Red Lake Forest Management Co. Ltd.

Type Intensive stand management, specifically to manually space juvenile jack pine to meet predicted critical shortfalls in sawlog material.

Funding Approved \$49,500 in 2000-01.

Description This project consists of manually spacing 150 ha of 15 year old jack pine plantations with brush saws from 36,000 stems per ha down to 2600 stems per ha. The young stand is growing on site Class 1 lands along the Pine Ridge Road. This work will increase conifer yields in the 20 to 40 year age class where significant shortages are expected. It will also provide 180 work-days for local contractors. Red Lake Forest MU.

PROJECT NUMBER 391-1-R13

Applicant Abitibi-Consolidated Inc.

Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of jack pine plantations.

Funding Approved \$28,267 in 2001-02.

Description This Fleming Rd. 2001 Stand Enhancement project consists of manually spacing 103 ha of dense 10 year old jack pine plantations to densities of 1400 to 1700 stems per ha in order to increase the rate of growth of crop trees. This will help meet projected critical shortfalls in jack pine, red pine, and spruce sawlog supply and will provide local employment. Fort Frances/Flanders Forest MU.

PROJECT NUMBER 393-1-R13

Applicant Abitibi-Consolidated Inc.

Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of young conifer stands.

Funding Approved \$450,000. (\$150,000 divided equally over 3 years beginning in 2001-02)

Description This project consists of manually spacing 90 ha of dense (6000 to 15,000 stems per ha) of 9 to 18-year old Site Class 1 black spruce, red and white pine stands to 1500 to 1800 stems per ha in order to increase the growth of conifer crop trees. The project, located 50 km west of Ear Falls, will provide local employment for First Nations and other local silvicultural workers and will contribute to future critical pine wood supply for the local mills. Whiskey Jack Forest.

PROJECT NUMBER 395-1-R13

Applicant Atikokan Forest Products Ltd.

Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of young jack pine plantations.

Funding Approved \$198,644 in 2001-02 .

Description The Sapawe Forest Backlog Tending, Pre-Commercial Thinning and Improvement of Conifer Plantations project consists of manually spacing 640 ha of conifer plantations established in the 1980's and 1990's down

to 2 m spacing. Specifically the project includes aerial spraying 356 ha of red pine and spruce plantations to release the conifer from deciduous competition, moto-manually spacing 284 ha of suppressed jack pine, red pine and spruce plantations with brushsaws, and moto-manually tending, precommercially thinning and treating 232 ha of snow and ice damaged high density jack pine plantations with brushsaws. This is expected to provide an additional 66,000 cu m of conifer volume over the next 40 years and will provide short-term local silvicultural work. Sapawe Forest.

PROJECT NUMBER 396-2-R13

Applicant Abitibi-Consolidated Inc.
 Type Silvicultural remediation of areas depleted by wind
 Funding Approved \$64,307. (\$24,084 in 2001-02; \$40,223 in year 2)
 Description This project consists of mechanically scarifying 145 ha, planting 65 ha of black spruce and aerial seeding 80 ha of jack pine following the salvage harvest of 75 to 90- year old stands damaged by winds in 1999. This stand reclamation project will reduce the local fire hazard, provide local employment to silvicultural contractors, and contribute to local conifer shortfalls to support mills in Barwick and Sapawe. Highrock Forest.

PROJECT NUMBER 397-2-R13

Applicant Kimberly-Clarke Inc.
 Type Silvicultural remediation of areas affected by spruce budworm.
 Funding Approved \$386,356 over 2 years. (\$73,490 in 2001; \$312,866 in year 2)
 Description This project consists of mechanically site preparing 569 ha with a power disc trencher, planting 854,700 jack pine, white spruce and black spruce at 1500 trees per ha. This will provide work for local silvicultural and nursery production employees from Longlac, Geraldton, Nakina, Terrace bay, Schreiber and local First Nations and will return a productive site to commercial conifer production. Kenogami Forest.

PROJECT NUMBER 398-1-R13

Applicant Domtar Inc.
 Type Intensive stand management to meet a future critical wood shortage, specifically to precommercially thin jack pine.
 Funding Approved \$405,000. (\$135,000 per year over three years commencing in 2001-02)
 Description This project consists of manually spacing 1200 ha of high density aerially seeded juvenile jack pine plantations down to target densities of 1700 to 2100 stems per ha over three years in partnership with the Wikwemikong First Nations. This project will space conifer to accelerate diameter growth and shorten rotations to help meet projected critical wood supply shortages. It will also provide long-term forestry training and employment opportunities for local First Nations. Spanish Forest.

PROJECT NUMBER 399-2-R13

Applicant Domtar Inc.
 Type Intensive stand management to meet a future critical wood shortage, specifically the establishing conifer plantations in fire salvaged forests.
 Funding Approved \$746,398. (\$257,460 in 2001-02; \$488,938 year 2)
 Description This project consists of regenerating forests consumed by the 1999 Crocker Lake Fire. Specifically the project consists of site preparing 847 ha planting 1,390,000 conifer seedlings and aerially seeding jack pine on 155 ha of productive glacio-fluvial and lacustrine sites. This work is expected to provide an additional 100 to 150 cu m per ha commercial fibre. It will provide employment for University students and tree planting contractors from the Pic Mobert First Nation. White River Forest.

PROJECT NUMBER 400-1-R13

Applicant Clergue Forest Management Inc.
 Type Intensive stand management to meet a future critical wood shortage, specifically the stand improvement in tolerant hardwood stands.
 Funding Approved \$22,400 for 2001-02.
 Description This project consists of releasing 250 yellow birch per ha in 56 ha of tolerant hardwood forest growing on moderately fresh to fresh Ecosites 29 north of Pancake Bay Provincial Park. This spacing program will increase the growth rate of yellow birch crop trees and increase the percentage of sawlog and veneer quality hardwood supply to local mills in Sault Ste. Marie and Thessalon. Algoma Forest.

PROJECT NUMBER 401-1-R13

Applicant Domtar Inc.
 Type Intensive management of red and white pine forests, specifically the release of established white pine plantations to meet conifer wood supply shortages.

Funding	Approved \$117,450 over three years. (\$30,450 year 1; \$43,500 years 2 and 3)
Description	This project consists of manually cleaning 270 ha of natural white pine regeneration from competing species over a three year period. The sites include: a 1990 Clear Cut Leaving Seed Trees followed by mechanical scarification, a 1990 Strip Cut followed by mechanical scarification with a root rake, and a 1989 Uniform Shelterwood harvest. These sites are located in the North Shore Forest (formerly Spanish River Crown Management Unit area) in Curtin and Shedden townships. This project will provide silvicultural employment for local Sagamok Anishnawbek First Nations. North Shore Forest.

PROJECT NUMBER 402-1-R13

Applicant	Domtar Inc.
Type	Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of young jack pine plantations.
Funding	Approved with reduced funding \$100,160. (\$33,387 in years 1 and 2 and \$33,386 in year 3)
Description	This three year project supports manually thinning (with brush saws) 227 ha of jack pine plantations growing on productive Site Class 1 outwash soils in Nairn, Tennyson and Gough Townships in the North Shore Forest. The project will reduce the density of 16 to 20 year old jack pine plantations from 2700 to 3000 stems per ha down to 1500 to 1900 stems per ha to produce higher yields and quality of wood in the future, and to increase stem diameter to improve saw log quality and yield in a shorter rotation period. This project provides employment for the local Sagamok Anishnawbeck First Nations. It also contributes to the projected wood supply gap for jack pine sawlogs. North Shore Forest.

PROJECT NUMBER 403-2-R13

Applicant	Spruce Falls Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case fire.
Funding	Approved \$294,891 over two years. (\$131,577 in 2001-02; \$163,314 in year 2)
Description	This project consists of establishing 350 ha of productive jack pine and spruce plantations to reestablish forests where 35 year old stands burned in the May 1997 Timmins District Wildlife #24. The treatments include site preparation (corridor slash alignment) followed by planting 150,000 jack pine container stock in 2001 and 280,000 black and white spruce container stock and 200,000 jack pine in year two at densities of 1800 trees per ha. The benefits of this project include the provision of 460 work days of local employment in the silvicultural sector and the provision of 52,500 cu m of conifer at rotation. This represents a four fold increase in conifer volume from the site. Gordon Cosens Forest.

PROJECT NUMBER 404-1-R13

Applicant	Bancroft Minden Forest Co. Inc.
Type	Intensive stand management to meet critical shortfalls in wood supply, specifically to establish and intensively manage red and white pine forests.
Funding	Approved \$565,100. (\$185,600 2001-02; \$189,600 2002-03, 189,900 year 3)
Description	This project consists of planting 300,000 red and white pine forests per year on 600 ha of mechanically and or chemically site prepared sites over three years. This project will contribute to the critical shortage in white and red pine sawlog and pole material in the future and provide local employment. Bancroft Minden Forest.

PROJECT NUMBER 405-1-R13

Applicant	Westwind Forest Stewardship Inc.
Type	Intensive stand management to meet critical shortfalls in wood supply, specifically to release red and white pine and white spruce plantations.
Funding	Approved \$579,750. (\$197,063 2001-02; \$191,343.50 in years 2 and 3)
Description	This project consists of releasing 4000 ha of conifer over three years with three approaches. The aerial applications of Release herbicide to treat 800 ha each year, air blast ground spraying of 200 ha per year and manual herbicide tending with basal bark applications with Release herbicide and brush saws equipped with a Vision herbicide applicator on 325 to 350 ha per year This project will contribute to the critical shortage in white and red pine sawlog and pole material in the future and provide local employment. French Severn Forest.

PROJECT NUMBER 406-1-R13

Applicant	Westwind Forest Stewardship Inc.
Type	Intensive stand management to meet critical shortfalls in wood supply, specifically to establish and intensively manage red and white pine forests.
Funding	Approved \$28,000 divided equally over two years.
Description	This project consists of providing financial incentives to commercial operators to harvest marginally economical thinnings of young 20 to 40 year-old red pine plantations on 360 ha of land within the OMNR District of Parry Sound. Undersized pre-commercial stems will be felled to provide space for crop trees.

Chain saw and skidder/horse/tractor and shortwood harvesters will be used. This project will contribute to meeting the short- and long-term shortage of pine sawlogs, utility poles and log-house quality poles in the area and provide local employment. French Severn Forest.

PROJECT NUMBER 407-1-R13

Applicant Westwind Forest Stewardship Inc.
Type Intensive stand management to meet critical shortfalls in wood supply, specifically to establish red oak forests
Funding Approved \$39,748. (\$14,644 in 2001-02; \$20,688 in 2002-03; \$4,416 in 2003-04)
Description This project consists of collecting red oak acorns and stock production, mechanically or chemically site preparing land, and planting 37,000 container and bare root oak seedlings at densities of 600 trees per ha on 80 ha. This project will contribute to meeting the short- and long-term shortage of pine sawlogs, utility poles and log-house quality poles in the area and provide local employment in the Parry Sound area and for local First Nations communities. French Severn Forest.

PROJECT NUMBER 408-1-R13

Applicant Mazinaw-Lanark Forest Inc.
Type Intensive stand management to meet critical shortfalls in wood supply, specifically to establish and intensively manage red and white pine forests.
Funding Approved \$75,000 in 2001-02.
Description This project consists of manually cleaning red and white pine plantations. In some cases this will be supplemented with herbicide treatment of cut stumps to prevent re-sprouting. About 30 ha will be treated with a ground air-blast sprayer and a small portion treated with Basal Bark application to reduce competition. This project will contribute to meeting the short- and long-term shortage of pine sawlogs, utility poles and log-house quality poles in the area and provide local employment in the Parry Sound area. Mazinaw-Lanark Forest.

PROJECT NUMBER 409-3-R13

Applicant Ontario Ministry of Natural Resources
Type Intensive stand management to meet critical shortfalls in wood supply, specifically to establish and intensively manage red and white pine forests.
Funding Approved \$112,000 in 2001-02.
Description This project consists of a containment project to prevent the spread of pine shoot beetle. This will reduce the chance of loss of white pine in the area. It would consist of removing slash, stumps and logging debris following harvest operations. The work would be conducted and funded by a partnership of the Canadian Forest Service, the Canadian Food Inspection Agency, and the Ontario Ministry of Natural Resources. This will contribute to protecting the white pine supplies for future sawlogs, utility poles and log-house wood. Parry Sound District.

APPENDIX 3

**A PROJECTS APPROVED FOR FUNDING IN
ROUND FOURTEEN**

**B PROJECTS APPROVED FOR FUNDING IN
ROUND FIFTEEN**

**C APPLICATIONS THAT WERE EITHER
NOT FUNDED OR WITHDRAWN
BY THE APPLICANT IN ROUNDS
FOURTEEN AND FIFTEEN**

**A - PROJECTS APPROVED FOR FUNDING
IN ROUND FOURTEEN**

CATEGORY 1 - STAND IMPROVEMENT

PROJECT NUMBER 411-1-R14

Applicant Abitibi-Consolidated Inc. and Ontario Ministry of Natural Resources Kenora District.
Type Intensive stand management to release black spruce and jack pine to increase timber production where critical shortages occur.
Funding Approved \$74,250.00 (\$24,750 per year over three years commencing in 2002-03).
Description Ground tending of 270 ha of 4 to 9 year-old seeded and planted jack pine and black spruce plantations with the herbicide "Release". This will free suppressed conifers from competition in areas salvaged following blowdown and insect infestation in the early 1990's. The Project occurs in scattered blocks in the Whiskey Jack Forest south of Red Lake. This will provide local employment for loggers and contribute to mitigating predicted future shortfalls of black spruce and jack pine sawlogs. Whiskey Jack Forest.

PROJECT NUMBER 412-1-R14

Applicant Abitibi-Consolidated Inc. and Ontario Ministry of Natural Resources Kenora District.
Type Intensive stand management to manually space juvenile black spruce and jack pine to increase timber production where critical shortages occur.
Funding Approved \$450,000 (\$150,000 per year over three years commencing in 2002-03).
Description The Whiskey Jack Forest Stand Enhancement Project consists of manually spacing, with brush saws, 900 ha of 9 to 18 year-old jack pine and black spruce plantations to reduce densities from 6,000-15,000 stems per ha down to 1500 -1800 trees per ha. The Project occurs in scattered blocks 50 km west of Ear Falls. This Project will provide local employment for silvicultural contractors including aboriginal workers, and contribute to future jack pine and black spruce sawlog and fiber supplies. Whiskey Jack Forest.

PROJECT NUMBER 413-1-R14

Applicant Abitibi-Consolidated Inc. and Ontario Ministry of Natural Resources Kenora District.
Type Intensive stand management to manually space jack pine to increase timber production where critical shortages occur.
Funding Approved \$39,270.00 (\$23,100 in 2002-03; \$16,170 in 2003-04).
Description The Flanders Stand Enhancement Project consists of manually spacing 102 ha of 15 year-old jack pine plantations to reduce densities from 10,000 stems per ha down to 1500 -1800 trees per ha. The Project occurs in scattered blocks 50 km southwest of Atikokan. This Project provides local employment for Lac La Croix and/or Seine River First Nations' silvicultural workers and contributes to future jack pine sawlog and fiber supplies. Crossroute SFL Forest.

PROJECT NUMBER 416-1-R14

Applicant Nipissing Forest Resource Management Inc.
Type Tolerant hardwood stand improvement to increase quality hardwood sawlog and veneer production where critical shortages occur.
Funding Approved \$472,650 (\$237,330 in 2002-03; \$157,550 in 2003-04; \$157,550 in 2004-05).
Description The Tolerant Hardwood Stand Improvement Project consists of marking and cutting low quality stems on 4,110 ha of degraded 40 to 80 year-old hard maple forests growing within the Loring deer yard. This treatment will prepare stands for a commercial harvesting in 20 to 25 years. This Project will provide training and local employment for First Nations' silvicultural workers, contribute to the production of hardwood sawlog and veneer, and provide browse for deer in the Loring deer yard. Nipissing Forest.

PROJECT NUMBER 418-1-R14

Applicant Westwind Forest Stewardship Inc.
Type Tolerant hardwood stand improvement to increase quality hardwood sawlog and veneer production where critical shortages occur.
Funding Approved \$312,000 (\$36,400 in 2002-03; \$130,000 in 2003-04; \$145,600 in 2004-05).
Description The Tolerant Hardwood Stand Improvement Project consists of marking and cutting low quality stems on 6000 ha of degraded tolerant hardwood forests growing in scattered locations throughout the French Severn Forest near Parry Sound. This treatment will supplement the income for loggers carrying out the work and contribute the production of quality hardwood sawlog and veneer where critical shortages occur. French Severn Forest.

PROJECT NUMBER 419-1-R14

Applicant Ottawa Valley Forest Inc.
Type Intensive tending of white pine and red oak to increase quality sawlog production in areas where critical shortages occur.
Funding Approved \$146,300 in 2002-03.
Description The Manual Cleaning White Pine, Red Pine Project consists of manually cleaning, with brushsaws and chainsaws, white pine and red oak in Wylie, Brougham, Griffith and Lyndoch Townships in the Country of

Renfrew to increase crop tree growth. Many of these areas were harvested under the uniform shelterwood silvicultural system. This Project will accelerate the growth of crop trees in Bear Management Areas, deer yards, and the Madawaska and Deep River. It will also provide employment for local silvicultural contractors. Ottawa Forest.

PROJECT NUMBER 420-1-R14

Applicant Ottawa Valley Forest Inc.
Type Intensive regeneration of red oak production in areas where critical shortages occur.
Funding Approved \$197,320 (\$135,600 in 2002-03; \$61,720 in 2003-04).
Description The Oak Ecosystem Restoration Project consists of intensive tending, thinning and artificial regeneration of 480 ha of mixed hardwood forests managed under the shelterwood system in Madawaska Highlands. Mechanical site preparation will uproot poplar, red maple, balsam fir and dense shrub layers to create planting spots for red oak (at 800 stems per ha) in stands where mature red oak was previously harvested. This Project will enhance wildlife habitat, and contribute to the restoration of red oak forests for future wood supplies in the area. It will also provide training opportunities and provide employment to local forest operators, nursery producers, and contractors. Ottawa Forest.

PROJECT NUMBER 421-1-R14

Applicant Ottawa Valley Forest Inc.
Type Intensive white pine management to increase quality sawlog production in areas where critical shortages occur.
Funding Approved \$272,600 (\$234,600 in 2002-03; \$38,000 in 2003-04).
Description The Intensive White Pine Stand Management Project consists of intensive tending (with Air Blast Sprayer herbicide application), site preparation and planting white pine on 772 ha of land. This Project will contribute to the maintenance of white pine wood supply where critical shortages occur. It will also provide employment to local forest operators, nursery producers, and contractors. Ottawa Forest.

CATEGORY 2 - REMEDIATION

PROJECT NUMBER 414-2-R14

Applicant Abitibi-Consolidated Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically blow down.
Funding Approved \$43,029 in 2002-03.
Description The Valerie Falls Blowdown Tending Project consists of aerially tending (with Vision® herbicide) young (one year-old) jack pine, red pine, black spruce and white spruce plantations established on 378 ha of an area salvaged following a blowdown in late June 1999. This will release the crop trees from hardwood competition. The area to be treated is 10 to 20 km northwest of Atikokan. This Project will provide employment for silvicultural contractors and accelerate the growth of crop trees to contribute to future conifer wood supplies. Crossroute SFL.

PROJECT NUMBER 415-2-R14

Applicant Bowater Canadian Forest Products Inc.
Type Silvicultural remediation of areas depleted by fire.
Funding Approved \$1,777,500 (\$593,000 in 2002-03; \$(593,000 in 2003-04; \$591,500 in 2004-05).
Description The Kab Lake Plantation Development on Nipigon 10 Salvage Blocks on the North Block of the Black Sturgeon Forest Project consists of mechanically site preparing, planting jack pine and black spruce, and ground tending 3,000 ha of recent and proposed post-fire salvage forests. This Project occurs near Kabitotikwia Lake on the North Parcel of the Black Sturgeon Forest 100 km north of Thunder Bay. This Project will provide local employment for silvicultural contractors including those from Gull Bay First Nations, and is predicted to increase conifer yield from 77 cu m/h to 232 cu m/ha. Black Sturgeon Forest.

PROJECT NUMBER 417-2-R14

Applicant Ontario Ministry of Natural Resources/Tembec Industries.
Type Silvicultural remediation of areas depleted by natural causes.
Funding Approved \$309,770 (\$109,577 in 2002-03; \$102,792 in 20023-04; \$97,401 in 2004-05).
Description The Fraserdale Fire Renewal Project consists of regenerating 380 ha of areas burned in the 1980's and 1990's by mechanical or chemically site preparing and planting with oversize black spruce and white spruce. This will renew "Not-sufficiently Regenerated (NSR)" lands to faster growing conifer plantations to meet future wood supply shortages. It will also provide 550 person-days of employment for silvicultural workers and additional work for the New Post First Nations. Moose River MU.

**B- PROJECTS APPROVED FOR FUNDING
IN ROUND FIFTEEN**

CATEGORY 1 - STAND IMPROVEMENT

PROJECT NUMBER 424-1-R15

Applicant Abitibi-Consolidated Inc./Fort Frances Division
 Type Intensive conifer stand management to space suppressed jack pine to meet predicted critical shortfalls in sawlog material.
 Funding Approved \$75,500 in 2002-03.
 Description The Fort Frances Division Spacing 2002 Project consists of using brushsaws to manually space 250 ha of 10 to 15 year-old jack pine plantations from 8,000 to 15,000 trees per ha down to target density of 1500 to 1800 stems per ha on a site 74 km NW of Fort Frances in Mathieu Twp., 45 km NE of Fort Frances. This will increase the rate of growth of crop trees to help meet future wood supply deficiencies in the 21 to 40 year-old age class and will provide 390 person-days of employment for local tending crews. Crossroute Forest.

PROJECT NUMBER 425-1-R15

Applicant Atikokan Forest Products Ltd.
 Type Intensive conifer stand management to space suppressed jack pine to meet predicted critical shortfalls in sawlog material.
 Funding Approved \$24,108 in 2002-03.
 Description The 1 Sapawe Forest Backlog Tending, Aerial Tending and Improvement of Conifer Plantations Project consists of aerially tending 287 ha of red and white pine, and black and white spruce plantations established in the 1980's and early 1990's in the Chill Lake, Bar Lake, and Cyderman Lake areas. This will contribute an additional 20,000 cu m towards future wood supply shortages to local sawmills in Atikokan, Sapawe, Fort Frances, Thunder Bay and Ignace. Sapawe Forest.

PROJECT NUMBER 426-1-R15

Applicant Atikokan Forest Products Ltd.
 Type Intensive conifer stand management to space suppressed jack pine to meet predicted critical shortfalls in sawlog material.
 Funding Approved \$99,096 in 2002-03.
 Description The 2 Sapawe Forest Backlog Tending, Pre-commercial Thinning and Improvement of Conifer Plantations Project consists of moto-manually tending 304.8 ha of dense 10 to 20 year-old jack, red, and white pine plantations, including 164 ha of ice-damaged jack pine stands east of the Mercutio River. This will increase the rate of crop tree growth and provide fiber to Atikokan and Ignace sawmills with residual chips delivered to Abitibi-Consolidated in Fort Frances. It will also provide 650 person-days of employment for silviculture contractors. Sapawe Forest.

PROJECT NUMBER 427-1-R15

Applicant Abitibi-Consolidated Inc./Fort Frances Division
 Type Intensive conifer stand management to space poplar to meet predicted critical shortfalls in poplar veneer and sawlog material.
 Funding Approved \$189,600 (\$63,200 per year over three years commencing in 2002-03).
 Description The Pre-commercial Stand Improvement – Poplar Project consists of using brushsaws to manually space 450 ha of 8 to 14 year-old naturally regenerated poplar from over 5000 stems per ha to 2 by 2 m spacing. This will accelerate growth of crop trees, thereby increase the percentage of veneer quality sawlogs. It will also create 150 person-days of work per year for silvicultural contracting companies. Spruce River Forest.

PROJECT NUMBER 437-1-R15

Applicant Tembec Industries Inc.
 Type Intensive stand management to plant black spruce to meet predicted critical shortfalls in conifer material.
 Funding Approved \$206,125 (\$65,537 in 2002-03, \$140,587 in 2003-04).
 Description The Smooth Rock Falls NSR Rehab River Project consists of refilling poorly stocked young plantations in Agate, Adanac, Bradburn, Geary, and Wilhelmina Townships with oversize black spruce seedlings to meet predicted future conifer wood supply shortages. This Project will provide over 305 person-days of work and address First Nations concerns about regeneration on their traditional area. Smooth Rock Falls Forest.

PROJECT NUMBER 438-1-R15

Applicant Weyerhaeuser Co. Ltd.
 Type Intensive conifer stand management to plant white pine to meet predicted critical shortfalls in white pine supply.
 Funding Approved \$150,000 (\$47,340 in 2002-03; \$67,950 in 2003-04 and \$34,710 in 2004-05).
 Description This Project consists of site preparing 160 ha and planting 1500 white pine per ha in Whitehead, Hutcheon and Symington Townships followed by a ground application of herbicide to control competition where needed. This Project will contribute to the long term white pine supply and provide local employment for silvicultural contractors. Superior Forest.

PROJECT NUMBER 439-1-R15

Applicant Weyerhaeuser Co. Ltd.
Type Intensive conifer stand management to manually space jack pine to meet predicted critical shortfalls in conifer material.
Funding Approved \$12,000 in 2002-03.
Description The Pre-commercial Thinning of Jack Pine Stand Project consists of manually spacing 30 ha of 10 year-old jack pine with brush saws to reduce densities from 11,000 stems per ha to 1800 to 2200 stems per ha in Hill and Marshall townships. This will reduce rotation age and contribute to future conifer wood supply. Superior Forest.

PROJECT NUMBER 440-1- R15

Applicant Domtar Inc.
Type Intensive conifer stand management to manually space white and red pine to meet predicted critical shortages in pole and sawlog material
Funding Approved \$246,413 (\$92,546 in 2002-03; \$76,933 in 2003-04; \$76,934 in 2004-05).
Description This Project consists of manually spacing 577 ha of 20 to 70 year-old red and white pine plantations in the Kirkwood Forest, providing local employment for loggers and a source of sawlogs for Midway Lumber. Northshore Forest.

PROJECT NUMBER 441-1-R15

Applicant Ontario Ministry of Natural Resources North Bay District/Temagami First Nations
Type Intensive conifer stand management to manually space white and red pine to meet predicted critical shortages in pole and sawlog material.
Funding Approved \$1,095,000 (\$275,000 in 2002-03; \$410,000 in 2003-04; \$410,000 in 2004-05).
Description The MNR Temagami First Nations Manual Tending Project consists of manually tending 800 ha of young pine and spruce plantations in the Temagami Forest to meet future shortfalls in white pine and spruce and to provide 6 months of employment for 12 to 15 local First Nation community and other First Nation Members each year. Herbicide (glyphosate) will be applied with the tending in the spring and fall to reduce resprouting. Temagami CMU.

PROJECT NUMBER 443-1-R15

Applicant Bancroft-Minden Forest Co.
Type Intensive tolerant hardwood management to increase timber production where critical shortages occur by increasing the volume of high-value added, high quality sawlogs.
Funding Approved \$510,000 (\$170,000 for each of three years commencing in 2002-03)
Description This Project provides compensation to loggers for the removal of unmerchantable stems during a single tree selection harvest on 5100 ha of Great Lakes-St. Lawrence Tolerant Hardwood Forests. Bancroft-Minden Forest.

PROJECT NUMBER 444-1-R15

Applicant Algonquin Forest Authority
Type Intensive tolerant hardwood management to increase timber production where critical shortages occur by increasing the volume of high-value added, high quality sawlogs.
Funding Approved \$70,800 (\$23,600 in 2002-03; \$35,400 in 2003-04; \$11,800 in 2004-05)
Description This Project provides compensation to loggers for the removal of unmerchantable stems during a single tree selection harvest on 300 ha sugar maple and yellow birch polewood stands at Laurel Lake. This provides employment opportunities for Algonquin First Nation Communities and contributes to quality hardwood sawlog supplies. Algonquin Park.

PROJECT NUMBER 445-1-R15

Applicant Westwind Forest Stewardship Inc.
Type Intensive tolerant hardwood management to increase timber production where critical shortages occur by increasing the volume of high-value added, high quality sawlogs.
Funding Approved \$169,600 (\$84,800 in 2002-03; \$84,800 in 2003-04).
Description The Felling Unmerchantable Stems in Shelterwood Cuts Project provides compensation to loggers for the removal of unmerchantable stems during a single tree selection harvest on 3200 ha of forests in scattered locations in the French Severn Forest. This would provide local employment and contribute to future shortages in quality sawlog material. French Severn Forest.

PROJECT NUMBER 446-1-R15

Applicant Mazinaw-Lanark Forest Inc.

Type	Intensive stand management to thin white pine plantations to increase timber production where critical shortages occur.
Funding	Approved \$37,500.
Description	The Grimsthorpe Strips – Pine Restoration Project consists of manually tending 125 ha of 20 year-old white pine plantations to release suppressed crop trees from competition. The Project occurs in Grimsthorpe Twp 50 km south of Bancroft. This will provide local employment for loggers and contribute to shortfalls of white pine sawlogs. Mazinaw-Lanark Forest.

PROJECT NUMBER 448-1-R15

Applicant	Bowater Canadian Forest Products Inc.
Type	Intensive conifer stand management to space suppressed jack pine, black and white spruce to meet predicted critical shortfalls in sawlog material.
Funding	Approved \$450,000 (\$150,000 in each of 2002-03, 2003-04, and 2004-05).
Description	The Development of Future Commercial Thinning Sites on the Current River Portion of the Black Sturgeon Forest Project consists of using brushsaws to manually space 1500 ha of 8 to 13 year-old black and white spruce and jack pine plantations to 1850 to 2500 trees per ha to enhance future wood supply and to provide employment and training for youth and First Nation contracts within close proximity to Thunder Bay. Black Sturgeon Forest.

CATEGORY 2 - REMEDIATION

PROJECT NUMBER 430-2-R15

Applicant Weyerhaeuser Co. Ltd.
Type Silvicultural remediation of areas depleted by wind.
Funding Approved \$709,105 (\$171,018 in 2002-03; \$462,652 in 2003-04 and \$76,435 in 2004-05).
Description The Silviculture Remediation of Areas Depleted by Wind in the Wesley Area Project consists of regenerating forests blown down in 1999 and 2000 on the south corner of the Trout Forest. Stands harvested will be site prepared by TTS disc trencher, local seed collected and the areas planted to jack pine and spruce container stock. This will create 1050 person-days of employment for silvicultural workers and contribute to conifer wood supplies. Trout Lake Forest.

PROJECT NUMBER 431-2-R15

Applicant Weyerhaeuser Co. Ltd.
Type Silvicultural remediation of areas depleted by spruce budworm.
Funding Approved \$146,470 (\$29,900 in 2002-03; \$116,570 in 2003-04).
Description This Project consists of full tree chipping 160 ha of low volume budworm killed balsam fir and black spruce stands, mechanically and/or chemically site preparing the area and planting black spruce, white spruce and red pine. The area is located in the southern portion of the Wabigoon Forest 15 km south of Dryden. Wabigoon Forest SFL.

PROJECT NUMBER 432-2-R15

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by fire.
Funding Approved \$1,507,160 (\$536,552 in 2002-03; \$970,608 in 2003-04).
Description This Project consists of mechanically site preparing 1480 ha of productive lacustrine sands, silts and clays that supported young plantations burned in the 1999 Nipigon 12 Fire and salvaged in 2001. Over 2,664,000 jack pine and black spruce will be planted at densities of 1800 trees per ha to provide an additional 138,615 cu m of softwood at rotation to contribute fiber to Norampac's linerboard mill at Red Rock. This Project will also provide work for local silvicultural contractors including local First Nations. Lake Nipigon Forest (deemed SFL).

PROJECT NUMBER 433-2-R15

Applicant Dryden Forest Management Co. Ltd.
Type Silvicultural remediation of abandoned agricultural lands.
Funding Approved \$62,226.50.
Description The Abandoned Fields Reclamation – Dryden Forest Project consists of planting 81 ha of Crown Landfields in the Dryden Forest to red pine, black spruce and white spruce to increase the amount of productive forest land and to provide local employment. Dryden Forest.

PROJECT NUMBER 434-2-R15

Applicant Red Lake Forest Management Co. Ltd.
Type Silvicultural remediation of areas depleted by wind.
Funding Approved \$51,510 in 2002-03.
Description The North Road Blowdown Project consists of salvaging, piling and burning slash, site preparing and aerially seeding to jack pine or planting black spruce on 288 ha of forests around Rathouse Lake, north of Red Lake damaged by wind in 2001. This will contribute to future conifer wood supplies and provide revenue to local contractors. Red Lake Forest.

PROJECT NUMBER 435-2-R15

Applicant Abitibi-Consolidated Inc.
Type Silvicultural remediation of areas depleted by wind.
Funding Approved \$29,600 (\$6,179 in 2002-03; \$19,795 in 2003-04; \$3,626 in 2004-05).
Description The Kaiarskons Blowdown Revision Project consists of mechanically site preparing 37 ha of blowdown and planting to black spruce, jack pine and red pine, and chemically tending as needed. This will reestablish productive conifer forests to help meet predicted shortfalls of conifer pulpwood and to provide local employment opportunities. Crossroute Forest.

PROJECT NUMBER 436-2-R15

Applicant Abitibi-Consolidated Inc.
Type Silvicultural remediation of areas depleted by wind.
Funding Approved \$520,300 (\$88,675 in 2002-03; \$259,375 in 2003-04; \$172,250 in 2004-05).

Description The Crossroute 2001 Blowdown Revision Project consists of salvaging and regenerating 1005 ha forests damaged by windstorms on July 31 2001 in Rainy River District. Specifically, 300 ha will be mechanically site prepared, 600 ha will be planted with jack pine, red pine and black spruce at densities averaging 1800 stems per ha and 250 ha will be seeded to jack pine. This will contribute to future conifer wood supply and provide local employment. Crossroute Forest.

PROJECT NUMBER 442-2-R15

Applicant: Timiskaming Forest Alliance Inc.
Type Silvicultural remediation of areas depleted by fire.
Funding Approved \$99,737 in 2002-03.
Description: This Project consists of planting 375,000 trees in an area burned in the Watabeag Lake Fire-Timmins 12 in 2001 (with subsequent blowdown of standing dead timber). It consists of tending 250 ha of young regenerating jack pine and black spruce plantations. Timiskaming Forest.

CATEGORY 3 - PROTECTION

PROJECT NUMBER 447-3-R15

Applicant	Ontario Ministry of Natural Resources Parry Sound District
Funding	Approved \$75,000 in 2002-03.
Description	An inventory of where concentration of Pine Shoot Beetle damage is occurring and treatment to contain the outbreak. This will protect the white pine forests to sustain conifer wood supplies. Parry Sound District.

**C - APPLICATIONS THAT WERE EITHER NOT
FUNDED OR WITHDRAWN BY THE
APPLICANT IN ROUNDS FOURTEEN AND
FIFTEEN**

Reasons for not funding projects include:

1. The project fell outside of the mandate of the *Forestry Futures Trust*.
2. The project could be funded under the Forest Renewal Trust.
3. The applicant did not provide a sufficiently detailed wood supply analysis to substantiate statements to the effect necessary to increase timber production where critical shortages occur.
4. Insufficient information was provided to fully understand the nature of the project.
5. The project did not include any contribution from the applicant and/or the partner.
6. Insufficient information was provided to justify significantly above-average treatment costs.
7. The project was research oriented.

PROJECT NUMBER 422-1-R14

Applicant Bancroft-Minden Forest Co. Inc.
Type Intensive red pine management to increase quality sawlog production in areas where critical shortages occur
Requested \$97,500.
Description Proposed 130 ha of clear cutting, prescribed burn and planting.
Not eligible for funding under *Forestry Futures Trust* as it consists of normal harvesting and silvicultural practices eligible for funding under the Renewal Trust.

PROJECT NUMBER 429-2-R15

Applicant Weyerhaeuser Company Ltd.
Type Silviculture remediation
Requested \$46,719
Description To reforest low volume, over mature stands to contribute to future wood supplies. Not eligible for funding under Forestry Futures Trust as it consists of a current harvesting activity and therefore eligible for funding under the Forest Renewal Trust

PROJECT NUMBER 423-1-R15

Withdrawn by applicant

PROJECT NUMBER 428-1-R15

Withdrawn by applicant

APPENDIX 4

LIST OF ALL PROJECTS COMPLETED TO DATE

ROUND ONE PROJECTS

PROJECT NUMBER 04-1-R1

Applicant MNR, Kenora CMU
Type Intensive stand management to increase timber production where critical shortages occur.
Funding Approved \$136,680.
Description The Project included a release of suppressed planted seedlings using Vision® applied via back-pack sprayers and spray tanks mounted on all-terrain vehicles. A total of 350 ha were successfully treated. The work was carried out by local contractors. The final cost to the *Forestry Futures Trust* was \$119,029.

PROJECT NUMBER 05-1-R1

Applicant MNR, Bancroft CMU
Type Intensive stand management to increase timber production where critical shortages occur.
Funding Approved \$18,540. for the Project but on completion of the work none of these funds were expended as the costs for the Project were paid by the District.
Description The Project involved marking and tending to increase the availability of sawlogs in a shorter cutting cycle by converting even-aged stands to uneven-aged selection harvest stands. Of the 309 ha scheduled to be marked and tended 200 ha were completed.

PROJECT NUMBER: 06-1-R1

Applicant MNR, Bancroft CMU
Type Intensive stand management to increase timber production where critical shortages occur. In particular, the shortages of the red and white pine working groups.
Funding Approved \$99,047 over a two year period.
Description The Project was proposed as a prescribed burn to be followed by planting of red and white pine. Due to the wildfire situation of 1995 the burn did not take place. It was therefore necessary to prepare the site mechanically at a higher cost. The additional costs were absorbed by the Special Purpose Account. The remainder of the site preparation and planting will be completed in 1996-97. The final cost to the *Forestry Futures Trust* was \$86,713.

PROJECT NUMBER 10-1-R1

Applicant MNR, Sault Ste. Marie District, Algoma CMU
Type Intensive stand management to increase timber production where critical shortages occur.
Funding Approved \$8,750.
Description The Project comprised the first thinning of a 40-year red pine plantation and was intended as a release to allow further growth. The marking was carried out by MNR staff and the thinning operation was contracted locally. 38 ha were successfully completed.

PROJECT NUMBER 13-1-R1

Applicant MNR, Minden Forest Management Unit
Type Intensive stand management to increase timber production where critical shortages occur, in particular the white pine forest unit.
Funding Approved \$18,771.
Description The original proposal was for a 96.3 ha prescribed burn to be conducted as site preparation for the subsequent spring tree plant. Due to the extreme fire conditions in 1995 the prescribed burn was not possible. The site was therefore mechanically prepared with hand scalping being done on areas that could not be mechanically prepared.

PROJECT NUMBER 14-1-R1

Applicant MNR, Sault Ste. Marie District, Mississauga CMU
Type Intensive stand management to increase timber production where critical shortages occur, in particular sawlog suitable material.
Funding Approved \$7,500.
Description Manual removal of smaller, poor quality jack pine in high density plantations to release crop trees. Due to the deep snow conditions in the winter of 1995-96, the Project was extended until May 1996. The Project was successfully completed with 30 ha being thinned.

PROJECT NUMBER 16-1-R1

Applicant MNR, Kirkland Lake District, Timiskaming CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly for the production of larger jack pine sawlog and pole material.
Funding Approved \$17,200.
Description Thirty-seven hectares of immature jack pine established by aerial seeding of heavy textured soils in 1984 were manually thinned to a spacing of 2.4 x 2.4 metres. The final cost to the *Forestry Futures Trust* was \$14,856.

PROJECT NUMBER 17-1-R1

Applicant MNR, Parry Sound District, Bracebridge CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly for the production of red pine sawlogs and poles.
Funding Approved \$18,730.
Description The Project involves the thinning of plantation grown red pine at a rate of 40 ha per annum. During the first year, due to operator difficulties, only 13.5 of the projected 40 ha were thinned. The remaining 26.5 ha were carried forward, with the approval of the Committee, to the remaining two years of the Project.

PROJECT NUMBER 18-1-R1

Applicant MNR, Parry Sound District, Bracebridge CMU
Type Intensive stand management to increase timber production where critical shortages occur by increasing the volume of high-value added, high quality sawlogs.
Funding Approved \$127,500.
Description The Project provided compensation to loggers for the removal of unmerchantable stems during a single tree selection harvest. Of the projected 2,550 ha 2,337 were successfully treated. The final cost to the *Forestry Futures Trust* \$116,855.

PROJECT NUMBER 19-1-R1

Applicant MNR, Parry Sound District, Bracebridge CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the tolerant hardwood sawlogs and veneer.
Funding Approved \$47,222.
Description The Project is a pre-commercial stand improvement operation in polewood tolerant hardwood stands scheduled for single tree selection management specifically killing (axe or chain saw girdling) the undesirable competing trees to hasten development of the high quality sawlog and veneer log products on the selected residual trees. At the end of the first year, 69 ha had been completed. The final cost to the *Forestry Futures Trust* was 45,755.

PROJECT NUMBER 21-1-R1

Applicant MNR, Thunder Bay District, Port Arthur CMU
Type Intensive stand management to increase timber production where critical shortages occur to address the problem of age class gaps in the conifer wood supply on the unit.
Funding Approved \$50,844.
Description The Project consisted of the successful treatment of 40.5 ha of ground herbicide tending and 151.5 ha of aerial tending on existing conifer plantations. The final cost to the *Forestry Futures Trust* was \$44,607.

PROJECT NUMBER 22-1-R1

Applicant MNR, Pembroke District, Bonnechere CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the red and white pine working groups.
Funding Approved \$27,064.
Description The mechanical scarification to work up soil and clear patches suitable for seed germination and natural regeneration of red and white pine in uniform shelterwood cuts.

PROJECT NUMBER 23-1-R1

Applicant MNR, Pembroke District, Bonnechere CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the red and white pine working groups.
Funding Approved \$76,300.
Description The Project consisted of manual (chain saw) tending of planted and natural red and white pine (15-20 years old) to thin and release quality trees, remove competing inferior and defective trees. 175 ha were successfully treated.

PROJECT NUMBER 24-1-R1

Applicant	MNR, Pembroke District, Bonnechere CMU
Type	Intensive stand management to increase timber production where critical shortages occur particularly in the red and white pine working groups.
Funding	Approved \$39,455.
Description	The Project was the release of planted and natural red and white pine regeneration from competing vegetation so that it could attain optimum growth. One hundred hectares were chemically tended using the Air blast sprayer with Vision® and 35 ha were tended using "Ez-ject" capsules and lances injecting Vision® into the competing trees.

PROJECT NUMBER 25-1-R1

Applicant	MNR- Kirkland Lake District- Elk Lake CMU; Elk Lake Community Forest, Grant Lumber Company, and Liskeard Lumber Limited
Type	Intensive stand management to increase timber production where critical shortages occur in jack pine in thirty years.
Funding	Approved \$72,000.
Description	The Project consisted of spacing juvenile aged jack pine plantations to allow for increased diameter growth and reduced rotation period. 180 ha were pre-commercially thinned.

PROJECT NUMBER 26-1-R1

Applicant	MNR, Bancroft District, Mazinaw CMU
Type	Intensive stand management to increase timber production where critical shortages occur in sawlog material.
Funding	Approved \$59,500.
Description	The Project involves the stand improvement of tolerant hardwood stands by marking and removing low quality nonmerchantable trees to provide improved growing conditions for the remaining trees. The final cost to the <i>Forestry Futures Trust</i> was \$27,720.

PROJECT NUMBER 27-1-R1

Applicant	MNR, Bancroft District, Mazinaw CMU
Type	Intensive stand management to increase timber production where critical shortages occur in hardwood and softwood sawlog material.
Funding	Approved \$14,300.
Description	The project consists of the removal of unmerchantable material in tolerant hardwood and white pine stands plus pruning selected white pine trees to improve the product quality.

PROJECT NUMBER 28-1-R1

Applicant	MNR, Bancroft District, Mazinaw CMU
Type	Intensive stand management to increase timber production where critical shortages occur, in particular, white pine sawlog material.
Funding	Approved \$12,500.
Description	The two part project involved manual tending of 25.7 ha of white pine plantation (planted 1989) and spot treating stumps of removed material with herbicides. The second part of the Project involved the thinning and pruning 7 ha of 40-year old white pine stand to improve tree growth and quality. The final cost to the <i>Forestry Futures Trust</i> was \$12,495.

PROJECT NUMBER 29-1-R1

Applicant	MNR, Bancroft District, Mazinaw CMU
Type	Intensive stand management to increase timber production where critical shortages occur in red oak.
Funding	Approved \$4,500.
Description	The Project consisted of a 20 ha controlled ground fire in a red oak uniform shelterwood cut, eliminating competing vegetation and allowing natural red oak regeneration to re-establish. The total project cost to the <i>Forestry Futures Trust</i> was \$319. because the "B" salaries for fire personnel were absorbed by the applicant.

PROJECT NUMBER 31-1-R1

Applicant	MNR, Parry Sound District, Georgian Bay CMU
Type	Intensive stand management to increase timber production where critical shortages occur in white pine sawlog material.
Funding	Approved \$71,000.
Description	The Project involved the manual release of 330 ha of planted and natural white pine regeneration from competing brush using brush saws, chain saws, and axes. The total project cost to the <i>Forestry Futures Trust</i> was \$66,000 because the actual contract cost was lower than estimated.

PROJECT NUMBER 35-1-R1

Applicant MNR, North Bay District, North Bay CMU
Type Intensive stand management to increase timber production where critical shortages exist in particular in tolerant hardwoods.
Funding Approved \$26,250.
Description The Project involves conducting an improvement cut on young tolerant hardwood stands to remove poor quality material and competitive species. The Project was not completed as scheduled in 1995-96 and will be completed in 1996-97. No *Forestry Futures Trust* funds were spent on this Project.

PROJECT NUMBER 41-1-R1

Applicant MNR, Bancroft District, Bancroft CMU
Type Intensive stand management to increase timber production where critical shortages exist in white pine.
Funding Approved \$6,000.
Description The Project was successfully completed with the release of 25 ha of planted white pine, white spruce and natural red oak from competing vegetation for a total of \$6,000.

PROJECT NUMBER 42-1-R1

Applicant MNR, Bancroft District, Bancroft CMU
Type Intensive stand management to increase timber production where critical shortages exist particularly in white pine.
Funding Approved \$7,200.
Description The Project consisted of successful manual tending of competition in a 30 ha white pine plantation for a total of \$7,200.

PROJECT NUMBER 50-2-R1

Applicant Stone-Consolidated Corporation
Type Silvicultural remediation of areas affected by forces of natural depletion in particular wind resulting in blowdown.
Funding Approved \$4,903,287.
Description The Project involves the renewal of 10,124 ha of the Pakwash Blowdown through site preparation, planting, aerial seeding, and tending. The Project extends from 1994-95 - 1996-97. The final cost to the *Forestry Futures Trust* was \$4,838,556.

PROJECT NUMBER 51-2-R1

Applicant Abitibi Price Inc., Spruce River Forest
Type Silviculture remediation of areas effected by forces of natural depletion, i.e., spruce budworm infestation.
Funding Approved \$2,379,000.
Description The Project involves the renewal of approximately 2,000 ha of budworm salvage cut areas by site preparation and planting from 1995-96 to 1997-98. All the approved funding was spent.

PROJECT NUMBER 52-2-R1

Applicant Hearst Forest Management Inc., Hearst Forest
Type Silvicultural remediation of areas affected by forces of natural depletion, in particular, spruce budworm infestation.
Funding Approved \$1,336,000.
Description The Project consists of the renewal of 2,010 ha of budworm infested area that has been salvage harvested. The renewal work consists of site preparation, tree planting and tending. 1995-96 to 1997-98. Total final cost to the *Forestry Futures Trust* was \$1,121,000.

PROJECT NUMBER 53-2-R1

Applicant MNR, Fort Frances District, Sapawe CMU
Type Silvicultural remediation of areas affected by forces of natural depletion, in this case, wind resulting in blowdown.
Funding Approved \$247,837.
Description The Project involves the renewal of 200 ha of blowdown area through site preparation (prescribed burning) and planting. The final cost to the *Forestry Futures Trust* was \$236,306.

PROJECT NUMBER 54-2-R1

Applicant MNR, Nipigon District, Nipigon CMU
Type Silviculture remediation of areas affected by forces of natural depletion i.e., spruce budworm infestation.
Funding Approved \$365,100.
Description This Project involves the site preparation and planting of 480 ha of stands which have been previously salvaged after the spruce budworm infestation. The final cost to the *Forestry Futures Trust* was \$229,552.

PROJECT NUMBER 56-2-R1

Applicant MNR, Nipigon District, Nipigon CMU

Type Silviculture remediation of areas affected by natural forces of depletion i.e., spruce budworm infestation.
Funding Approved \$301,000.
Description The Project provides for renewal of budworm ravaged stands by two methods: 402 ha will have the balsam fir removed with the remaining desirable stems spruce, pine, and poplar thinned to 1,600 stems per ha with mechanical site preparation in lower stocked areas to facilitate natural seeding with tending in year three, if necessary; 402 ha will be site prepared, aerial chemical and planted. Extreme fire situation in summer 1995 and the snow depth in winter 1995-96 delayed work progress. The Project will be extended for an additional year. The final cost to the *Forestry Futures Trust* was \$66,135.

PROJECT NUMBER 57-2-R1

Applicant MNR, Nipigon District, Nipigon CMU
Type Silvicultural remediation of areas affected by forced or natural depletion i.e. spruce budworm infestation.
Funding Approved \$394,450.
Description The project consists of various renewal treatments (combinations of balsam fir removal, mechanical site preparation, chemical site preparation, seeding) to secure regeneration on 1430 ha of budworm destroyed stands. The final cost to the *Forestry Futures Trust* was \$66,559.

PROJECT NUMBER 59-2-R1

Applicant MNR, Parry Sound District, Georgian Bay CMU
Type Silviculture remediation of areas affected by forces of natural depletion, in this case jack pine budworm.
Funding Approved \$20,400.
Description The Project involved the aerial seeding of 856 ha of clearcut salvage areas and the controlled burning of roadside slash piles within the clearcut areas. The final cost to the *Forestry Futures Trust* was \$11,414.

PROJECT NUMBER 60-2-R1

Applicant MNR, Thunder Bay District, Thunder Bay CMU
Type Silviculture remediation of areas affected by forces of natural depletion, spruce budworm.
Funding Approved \$192,500.
Description The Project encompassed the planting of 464.2 ha, mechanical site preparation of 390 ha, aerial chemical cleaning of 136.5 ha, and the chemical ground cleaning of 90 ha. The final cost to the *Forestry Futures Trust* was \$147,797.

PROJECT NUMBER 61-2-R1

Applicant J. E. Martel & Sons Lumber Ltd., J. E. Martel Forest
Type Silviculture remediation of areas affected by forces of natural depletion, in particular, wildfire.
Funding Approved \$33,500.
Description The Project involved the aerial chemical release of conifer seedlings within the burn boundary and survey of the untreated burn areas to identify future treatment requirements. The final cost for the Project to the *Forestry Futures Trust* was \$28,747.

PROJECT NUMBER 66-3-R1

Applicant E.B. Eddy Forest Products Limited, Lower Spanish Forest
Type Silviculture protection of areas affected by forces of natural depletion, in particular, jack pine budworm.
Funding Approved \$108,327.
Description The 1994-95 Project involved the aerial application of *Bacillus thuringiensis* (B.t.) to control an outbreak of jack pine budworm. The Project was successfully completed on 21,499 ha with a final cost to the *Forestry Futures Trust* of \$108,327.

PROJECT NUMBER 67-3-R1

Applicant MNR, Sudbury District, Lower Spanish Forest, Upper Spanish Forest Spanish River CMU, Sudbury CMU
Type Silviculture protection of areas affected by forces of natural depletion, in particular, jack pine budworm.
Funding Approved \$1,200,000.
Description The 1995-96 aerial spray project successfully treated 51,199 ha with *Bacillus thuringiensis* (B.t.) to protect jack pine stands from a jack pine budworm infestation. The final cost to the *Forestry Futures Trust* was \$959,233.

ROUND TWO PROJECTS

PROJECT NUMBER 78-1-R2

Applicant MNR, Thunder Bay District, Port Arthur CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the conifer working groups.
Funding Approved \$83,554.
Description The Project consists of site preparation and planting of conifer to rehabilitate poor quality, high graded mixed-wood stands back to conifer working groups and ground and aerial tending to remove competing vegetation from existing conifer plantations. The final cost to the *Forestry Futures Trust* was \$69,665.

PROJECT NUMBER 80-1-R2

Applicant Timiskaming Forest Alliance Inc., Timiskaming Forest
Type Intensive stand management to increase timber production where critical shortages occur particularly in the jack pine working group.
Funding Approved \$14,700.
Description The Project consists of thinning, using brush saws, of dense 10-20 year old seeded jack pine stem to allow for development of sawlog and polewood material.

PROJECT NUMBER 81-1-R2

Applicant Malette Inc., Romeo Malette Forest
Type Intensive stand management to increase timber production where critical shortages occur particularly in the jack pine working group.
Funding Approved \$12,000.
Description: The Project consists of chemical thinning of a juvenile jack pine stand using the Ezject capsule system to promote increased growth in the stand thus reducing the rotation age and the anticipated shortfall in the jack pine working group. The final cost to the *Forestry Futures Trust* was \$10,000.

PROJECT NUMBER 83-1-R2

Applicant Malette Inc., Romeo Malette Forest
Type Intensive stand management to increase timber production where critical shortages occur particularly in the spruce and jack pine working group.
Funding Approved \$8,300.
Description The Project consists of chemical thinning of a juvenile jack pine stand using the Ezject capsule system to promote increased growth in the stand thus reducing the rotation age and the anticipated shortfall in the jack pine working group. The final cost to the *Forestry Futures Trust* was \$7,100.

PROJECT NUMBER 89-1-R2

Applicant MNR, Sault Ste. Marie District, Mississauga CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the tolerant hardwood sawlogs.
Funding Approved \$299,500.
Description The Project is a compensation payment for loggers to facilitate the removal of unmerchantable material during the selection of shelterwood cuts. The Project was delayed due to the severe winter weather of 1995-96 and will be extended for an additional year. The final cost to the *Forestry Futures Trust* was \$26,032.

PROJECT NUMBER 90-1-R2

Applicant MNR, Sault Ste. Marie District, Mississauga CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the spruce and pine working groups.
Funding Approved \$30,000.
Description The Project encompasses the tending of 30 - 45 year old conifer plantations by removing the overstory of competing hardwood trees. The Project start-up was been delayed due to the severe winter weather of 1995-96 consequently the Project will be extended for an additional year. The final cost to the *Forestry Futures Trust* was \$10,780.

PROJECT NUMBER 91-1-R2

Applicant MNR, Parry Sound District, Bracebridge CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the pine and spruce working groups.
Funding Approved \$12,470.
Description The proposal involves the release of desirable coniferous regeneration from competing woody vegetation using motorized brush saws. The final cost to the *Forestry Futures Trust* was \$11,600.

PROJECT NUMBER 92-1-R2

Applicant MNR, Parry Sound District, Bracebridge CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in the tolerant hardwood working groups.
Funding Approved \$255,000.
Description The Project is tolerant hardwood management involving the compensation of logging contractors for felling or killing trees that are not merchantable under provincial legislation, which have been marked for removal in stands being treated using selection silviculture. The removal of the unmerchantable trees is essential to ensure the proper development of the stand. The final cost to the *Forestry Futures Trust* was \$233,790.

PROJECT NUMBER 101-1-R2

Applicant MNR, Pembroke District, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in red pine.
Funding Approved \$6,900.
Description This Project proposed the first thinning of twenty-three hectares of red pine plantations. The silviculture work will promote the growth and development of remaining red pine by removing the undesired competing vegetation. The final cost to the *Forestry Futures Trust* was \$5,508.

PROJECT NUMBER 102-1-R2

Applicant MNR, Sault Ste. Marie District, Algoma CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in tolerant hardwoods.
Funding Approved \$540,000.
Description The Project consists of felling or girdling of unmerchantable trees to attain the silviculture objectives in the application of selection and shelterwood systems of management in tolerant hardwood forests. The treatment allows the better quality trees room to grow and provide better opportunities for natural regeneration. The Project was delayed by a year because of the severe winter of 1995-96. The final cost to the *Forestry Futures Trust* was \$309,300.

PROJECT NUMBER 103-1-R2

Applicant MNR, Temagami District, Latchford & Temagami CMU
Type Intensive stand management to increase timber production where critical shortages occur in the pine working groups.
Funding Approved \$1,140,000.
Description The Project application consisted of the tending (cleaning), site preparation, and artificial regeneration of pine working groups. Only the tending portion of the application fell within the mandate of the *Forestry Futures Trust*. The work consists of manual tending using brush saws and chemical tending of regenerated areas. 1996-97 to 1998-99. The final cost to the *Forestry Futures Trust* was \$1,134,141.

PROJECT NUMBER 104-1-R2

Applicant MNR, Kemptville District, Lanark CMU
Type Intensive stand management to increase timber production where critical shortages occur particularly in red oak.
Funding Approved \$45,700.
Description The proposed project encompassed a prescribed burn and manual tending in areas of red oak regeneration. The treatment reduces the competition to the desired red oak allowing better growth rate, stem quality, and survival of seedlings and saplings. The final cost to the *Forestry Futures Trust* was \$32,207.

PROJECT NUMBER 106-2-R2

Applicant Malette Inc., Romeo Malette Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular blowdown.
Funding Approved \$21,375.
Description The Project encompasses the regeneration of a blowdown by planting black spruce seedlings. The final cost to the *Forestry Futures Trust* was \$20,175.

PROJECT NUMBER 110-2-R2

Applicant MNR, Thunder Bay District, Thunder Bay CMU
Type Silviculture remediation of areas effected by forces of natural depletion, in particular spruce budworm infestations.
Funding Approved \$58,000.
Description The objective of this project was to rehabilitate the forest and reduce further susceptibility to spruce budworm infestations by providing site prepared ground to enable artificial regeneration by planting conifer seedlings. The final cost to the *Forestry Futures Trust* was \$39,237.

PROJECT NUMBER 112-2-R2

Applicant MNR, Fort Frances District
Type Silviculture remediation of areas effected by wildfire.
Funding Approved \$ 183,896.
Description Four separate areas were replanted. Fire # 61 - 123 ha; Fire # 64 - 30 ha.; Fire # 37 - 70 ha.; Fire # 38 - 2577 ha. The final cost to the *Forestry Futures Trust* was \$157,339.

PROJECT NUMBER 113-2-R2

Applicant Stone-Consolidated Corporation, Manitou Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular blowdown.
Funding Approved \$75,000.
Description The Project is the regeneration of a 1995 blowdown that has been salvaged. The renewal work consists of site preparation (chemical, mechanical), planting of black spruce seedlings, and aerial chemical tending if required. The final cost to the *Forestry Futures Trust* was \$47,394.

PROJECT NUMBER 115-2-R2

Applicant Heart Forest Management Inc., Heart Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular fire.
Funding Approved \$2,176,000.
Description The Project is the renewal of plantation burned by wildfire in 1995. The renewal activities consist of tree planting and aerial tending the resultant plantations to ensure maintenance of the conifer component in the forest, 1996-97 to 1998-99. The final cost to the *Forestry Futures Trust* was \$1,876,000.

PROJECT NUMBER 116-2-R2

Applicant Superior Forest Management Inc., Superior Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular fire.
Funding Approved \$265,640.
Description The Project encompasses the regeneration of a wildfire that destroyed areas of young forests (<10 years old). The renewal work will consist of aerial seeding of black spruce and jack pine seeding and conducting the follow-up assessment of success. The final cost to the *Forestry Futures Trust* was \$234,653.

PROJECT NUMBER 117-2-R2

Applicant Dubreuil Forest Products Limited, Magpie Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular fire.
Funding Approved \$283,176.
Description The Project proposed the renewal of forest areas denuded by two large fires of 1995 near Dubreuilville. Although much of the burned area is expected to regenerate naturally, silviculture efforts are required to renew plantations destroyed by the fires. A combination of planting seedlings and aerial seeding will be used. All the approved funding was spent.

PROJECT NUMBER 118-2-R2

Applicant J.E. Martel Lumber Corp., J.E. Martel Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular fire.
Funding Approved \$408,686.
Description The Project encompasses two treatments, the aerial chemical release of artificially and naturally regenerated areas within the burned area and renewal of untreated burned areas. The renewal treatments consist of mechanical site preparation, planting seedlings, and aerial chemical tending (if required). The final cost to the *Forestry Futures Trust* was \$253,174.

PROJECT NUMBER 119-2-R2

Applicant Spruce Falls Inc., Gordon Cosens Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular fire.
Funding Approved \$113,069.
Description The Project objective was to renew areas destroyed by 1995 wildfires, in particular the burned plantations and areas of successful natural regeneration. The silviculture work includes planting conifer seedlings and aerial seeding jack pine and black spruce seed. The final cost to the *Forestry Futures Trust* was \$27,699.

PROJECT NUMBER 121-2-R2

Applicant Great West Timber Limited, Black River Forest
Type Silviculture remediation of areas effected by forces of natural depletion, in particular fire.
Funding Approved \$93,000.

Description This project proposed the renewal of areas destroyed by wildfire in 1995. The areas requiring treatment include burned plantations and young stands which will be planted to ensure renewal of desired conifer species. The final cost to the *Forestry Futures Trust* was \$76,256.

PROJECT NUMBER 122-2-R2

Applicant MNR, Pembroke District, Pembroke CMU
Type Silviculture remediation of areas effected by forces of natural depletion, in particular blowdown.
Funding Approved \$20,800.
Description The project application proposed the renewal of a 1994 blowdown that was subsequently salvaged. The silviculture treatments include mechanical site preparation of the area and planting white pine seedlings. The final cost to the *Forestry Futures Trust* was \$8,654.

PROJECT NUMBER 123-2-R2

Applicant MNR, Pembroke District, Pembroke CMU
Type Silviculture remediation of areas effected by forces of natural depletion, in particular blowdown.
Funding Approved \$7,750.
Description The project proposed the site preparation and planting of red oak seedlings to ensure the desired species are renewed on the blowdown area. The total cost to the *Forestry Futures Trust* was \$7,250.

PROJECT NUMBER 124-2-R2

Applicant Domtar Inc., White River Forest
Type Silviculture remediation of areas effected by forces of natural depletion.
Funding Approved \$484,500.
Description The project addresses the need to renew areas impacted by natural depletion and stresses from blowdown, tornado, and insects which occurred in the area from 1986 to 1991. The silviculture work includes mechanical site preparation, slash raking, slash burning, planting, and tending. The total cost to the *Forestry Futures Trust* was \$321,731.

PROJECT NUMBER 126-3-R2

Applicant MNR, Parry Sound District, Georgian Bay and Sudbury CMU
Type Silviculture protection of areas affected by forces of natural depletion, in particular, jack pine bud worm.
Funding Approved \$100,000.
Description This project included the impact assessment surveys and planning support to prepare for the 1996 jack pine budworm spray program. The Project was successful in further defining and reducing the initial number of hectares estimated for the spray program by approximately two-thirds.

ROUND THREE PROJECTS

PROJECT NUMBER 130-1-R3

Applicant MNR, Red Lake CMU
Type Intensive stand management to increase timber production where critical shortages occur, specifically conifer sawlogs. Silviculture remediation of areas affected by forces of natural depletion, specifically spruce budworm infestations.
Funding Approved \$639,000.
Description This project will thin 300 ha of 20-25 year-old fire-origin jack pine each year over a three-year period to even out the wood flow created by timber losses to wildfire and blowdown. A second component of this project will mechanically site prepare and plant black and white spruce on 100 ha per year of budworm-damaged fir stands growing on productive silty clay soils. Work is expected to generate 3000 person days of employment. The total cost to the *Forestry Futures Trust* was \$100,765.

PROJECT NUMBER 131-1-R3

Applicant MNR, Kenora CMU
Type Intensive stand management to increase conifer timber production where critical shortages occur due to large burns in the 1980s.
Funding Approved \$421,538.
Description This project consists of two components: 1) the fall application of herbicide (Vision®) using backpack sprayers and fixed-wing aircraft at rates of 1.7 kg a.i. per ha to control grass and shrub competition on silty clay soils, and 2) the pre-commercial spacing of fire-origin jack pine and aspen using motor/manual brush saws. Project supervisors are to be trained under the native (First Nations) education and training program for Kenora District. A total area of 549 ha and 698 ha, respectively will be treated. The total cost to the *Forestry Futures Trust* was \$219,074.

PROJECT NUMBER 134-1-R3

Applicant MNR, Kirkland Lake District
Type Intensive stand management to space pre-commercial jack pine to meet predicted shortfalls in sawlog material.
Funding Approved \$199,290.
Description This Project consists of the pre-commercial thinning of 500 ha of young jack pine in the Elk Lake, Plonski, Watabeag and Timiskaming CMUs over the next three years, under the supervision of the Elk Lake Community Forest in partnership with the Township of James, Kirkland Lake District, OMNR and Timiskaming Forest Alliance Inc.. Brush saws will be used to thin the stands to variable densities. All approved funding was spent.

PROJECT NUMBER 136-1-R3

Applicant Magpie Forest (Dubreuil Forest Products Limited), Wawa District
Type Intensive stand management to space jack pine to accelerate diameter growth to meet the predicted shortages in sawlog material from the 21-60 year old age classes.
Funding Approved \$78,750.
Description This project consists of thinning 126 ha of young jack pine in scattered blocks in Acton, Challener and St. Julien Twps. in the Magpie Forest to accelerate the development of saw timber. Suppressed, diseased and damaged trees will be removed by chain saw and crop trees spaced to a density of 1000 to 1200 trees per ha. The total cost to the *Forestry Futures Trust* was \$52,305.

PROJECT NUMBER 138-1-R3

Applicant MNR, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages occur, in particular, the release of white pine.
Funding Approved \$140,655.
Description This project consists of releasing suppressed natural white pine regeneration by applying a chemical ground spray on 30 ha in Matawatchan Township., 100 ha in Head Township and 145 ha in Clara Township., Pembroke Crown Management Unit, Pembroke District. The total cost to the *Forestry Futures Trust* was \$107,966.

PROJECT NUMBER 139-1-R3

Applicant MNR, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages occur, in particular the white pine forest unit.
Funding Approved \$28,500.
Description This project involves the aerial spraying of Vision[®] on 540 ha, which was clearcut between 1987-89 and which was site prepared with a prescribed burn in 1989, in Matawatchan, Head and Clara Twps. in Pembroke CMU to control competition of white pine seedlings managed under the shelterwood system. Application rates of 2.6 kg per ha were applied from mid-August to October to encourage accelerated pine growth. The total cost to the *Forestry Futures Trust* was \$22,543.

PROJECT NUMBER 140-1-R3

Applicant MNR, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages occur, in particular, shortages of red and white pine.
Funding Approved \$202,650.
Description This project consists of the thinning and cleaning of 531 ha of red pine plantations and tending of natural or planted white pine in Fraser, Clara, Head, and McKay Twps. in the Pembroke CMU to release crop trees. Tending with chainsaws, brushsaws, pruning shears, and EZject lances with Vision[®] capsules was contracted out from mid-June 1996 through March 1997. The total cost to the *Forestry Futures Trust* was \$ 147,282.

PROJECT NUMBER 141-1-R3

Applicant MNR, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages occur, specifically scarification for natural regeneration.
Funding Approved \$125,800.
Description This project consists of mechanical scarification on 540 ha in Head, Burns, and McKay Twps. in white pine managed under the shelterwood system to favour white pine regeneration. Locally available site preparation equipment was used (e.g., Leno patch scarifier, passive TTS disc trencher, rock rake and straight blades) were used during September and October 1996. The total cost to the *Forestry Futures Trust* was \$70,963.

PROJECT NUMBER 143-1-R3

Applicant MNR, Mississagi CMU
Type Intensive stand management to space juvenile jack pine to meet a predicted short- and medium-term shortfall in softwood supply.
Funding Approved \$23,250.

Description This project was designed to accelerate the diameter growth of 15 to 20 -year old jack pine by manually thinning high density plantations. Smaller diameter, poor quality jack pine will be removed from July to November 1996, by a crew of cutters to promote earlier development of quality sawlogs from the remaining stems. The total cost to the *Forestry Futures Trust* was \$19,662.

PROJECT NUMBER 146-1-R3

Applicant MNR, Minden CMU
Type Intensive stand management to increase timber production where critical shortages occur. In particular, the shortages of quality white pine.
Funding Approved \$80,400.
Description This project involves funding a pruning contract in white pine on 268 ha in Minden CMU over two winter seasons with work completed by March 1998. The total cost to the *Forestry Futures Trust* was \$79,129.

PROJECT NUMBER 147-1-R3

Applicant MNR, Bancroft CMU
Type Intensive stand management to increase timber production where critical shortages in quality hardwoods occur.
Funding Approved \$346,060.
Description This Project funds tolerant hardwood stand improvement to remove low quality material and increase the supply of high quality hardwoods on 1573 ha per year over two years in stands managed under the selection system Bancroft Township. in a tolerant hardwood forest managed to increase the quality (sawlog/veneer) of future harvests. This represents the funding of contract felling for two years of a three-year project. The total cost to the *Forestry Futures Trust* was \$248,854.

PROJECT NUMBER 148-1-R3

Applicant MNR, Bancroft CMU
Type Stand Improvement: red and white pine sustainability.
Funding Approved \$325,060.
Description This Project consists of mechanical site preparation using Young's teeth mounted on D-6 bulldozers followed by planting bare root nursery stock and container white and red pine in clear cuts and pine shelterwood cuts. This represents funding two years of the three-year project to increase pine regeneration in the Bancroft CMU. All approved funding was spent.

PROJECT NUMBER 149-1-R3

Applicant MNR, Bancroft CMU
Type Intensive stand management to meet medium-term shortfalls in wood supply, specifically by releasing plantation white and red pine and white spruce.
Funding Approved \$192,600.
Description This Project consists of cutting competitive species within white pine, red pine and white spruce plantations using sandvik and brush saws and the application of chemical ground spray, where needed. The area treated covers 602 ha.

PROJECT NUMBER 153-2-R3

Applicant Avenor Inc., Trout Lake Forest
Type Silvicultural remediation of areas affected by natural depletion by the 1995 Red Lake Fire.
Funding Approved \$217,100.
Description This Project consists of aerially seeding jack pine seed at a rate of 25 m seeds per ha on 168 ha of burned 8-11 year old plantations and 8 ha of fire break line in the Ear Lake area of the Trout Lake Forest, Red Lake District. Funds will also pay for the purchase and installation of 39 m shelter cones with both black spruce and jack pine seed. A second part of the project consists of funding the purchasing, hand scalping and planting of jack pine and black spruce containerized seedlings on 511 ha in this area. This will contribute to the future wood supply for the Dryden Mill. The total cost to the *Forestry Futures Trust* was \$ 182,937.

PROJECT NUMBER 154-2-R3

Applicant Avenor Inc., Brightsand Forest
 Type Silvicultural remediation of areas affected by forces of natural depletion, in this case wildfire.
 Funding Approved \$432,000.
 Description This Project will rapidly regenerate 2500 ha of relatively inaccessible 15-year-old regenerated cutover that burned in 1995 in the Brightsand FMA south and east of Sparkling Lake. Jack pine and black spruce will be aerially seeded on 2245 ha of burned regeneration and standing timber reserves from January to July 1996. A second component of the project involves planting jack pine and black spruce seedlings on 140 ha of recently scarified cutover. Herbicide tending will occur in the third year, if needed. The total cost to the *Forestry Futures Trust* was \$212,000.

PROJECT NUMBER 156-2-R3

Applicant MNR, Nipigon CMU
 Type Silvicultural remediation of areas affected by natural depletion through spruce budworm infestation and natural decline through aging.
 Funding Approved \$788,300.
 Description This Project consists of the identification, harvesting and trampling of 300 ha of inoperable budworm killed and overmature poplar in 1995-96, leaving 209 ha for natural spruce regeneration and planting 97 ha. Approximately 600 ha will be tramped in the second year, together with cone collection and extraction, and mechanical site preparation of 680 ha. The project proposes to cut and tramp 484 ha, mechanically site prepare 109 ha, and plant spruce and pine in year three. The total cost to the *Forestry Futures Trust* was \$447,420.

PROJECT NUMBER 157-2-R3

Applicant MNR, Nipigon CMU
 Type Silvicultural remediation of areas affected by natural depletion through budworm infestation.
 Funding Approved \$606,500.
 Description This Project was originally submitted as a two stage burn over two years as Project #107-2-R2. It was not implemented due to fire management concerns with containing the large burns. This revised project consists of selecting smaller areas for burning, and applying mechanical SIP (TTS disc trencher or Brake) or chemical herbicide (Velpar) followed by planting jack pine and black spruce container stock at densities of 2000 stems per ha in year two. The Project will also fund cone collection to replace seeds used for seedling production. The contingency plan is to aerially seed jack pine and black spruce during the spring of 1997 on a portion of the area. Total cost to the *Forestry Futures Trust* was \$176,974.

PROJECT NUMBER 160-2-R3

Applicant Malette Inc. Romeo Malette Forest
 Type Silvicultural remediation of areas affected by natural depletion through fire.
 Funding Approved \$16,672.
 Description This Project consists of planting black spruce containers at a density of 1500 trees per ha on 65 ha of burned plantation in Loveland Township, Timmins District. The total cost to the *Forestry Futures Trust* was \$16,174.

PROJECT NUMBER 163-3- R3

Applicant MNR, Sudbury and Parry Sound District
 Type Protection of the forest from natural depletions by insect defoliation, in this case to protect white pine from depletion from the jack pine bud worm.
 Funding Approved \$990,378.
 Description This Project involves the aerial application of *Bacillus thuringiensis* Foray 48B at a rate of 30 BIUs per ha at a volume of 2.3 L per ha to control jack pine budworm defoliating white pine on 25,636 ha in the Georgian bay-Sudbury areas. This treatment will provide 80 percent to 90 percent protection of the foliage of white pine within the spray area and thus reduce mortality and volume loss. The total cost to the *Forestry Futures Trust* was \$571,590.

ROUND FOUR PROJECTS**PROJECT NUMBER 172-1-R4**

Applicant MNR, Pembroke CMU
 Type Intensive stand management, specifically evenaged tending of red pine plantations.
 Funding Approved \$34,650.
 Description This Project consists of tending 99 ha of dense red pine plantations in Ross, Wilberforce, Petawawa, McKay, Richards, Burns and Clara township over the fall of 1997 and winter of 1998 to remove competing species, to maintain stand vigour and health and to improve diameter growth. The total cost to the *Forestry Futures Trust* was \$32,597.

PROJECT NUMBER 173-1-R4

Applicant MNR, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages exist, specifically white pine.
Funding Approved \$99,241.
Description This project consists of scarification for natural white pine regeneration in stands managed under the uniform shelterwood system. Treatment will occur on 426 ha in Clara, Fraser, McKay, Maria, Wylie and Rolph Townships in September and October 1997 where stands were harvested before the age of the New Business relationship. The total cost to the *Forestry Futures Trust* was \$98,084.

PROJECT NUMBER 174-1-R4

Applicant MNR, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages exist.
Funding Approved \$100,492.
Description This project involves the ground spraying of Vision® at rates of 16 kg a.i. per ha between mid-August and October 1997 on 388 ha in McKay, Clara and Maria Townships to release natural white pine regeneration. The total cost to the *Forestry Futures Trust* was \$82,385.

PROJECT NUMBER 175-1-R4

Applicant MNR, Pembroke CMU
Type Intensive stand management to increase timber production where critical shortages exist.
Funding Approved \$74,238.
Description This project involves the aerial application of Vision® (glyphosate) over 593 ha in Clara and Rolph Townships in September and October 1997 at rates of 1.1 kg a.i. per ha. This treatment will release planted white pine seedlings from intense competition from poplar in 8 to 10 year old cutovers. The total cost to the *Forestry Futures Trust* was \$61,684.

PROJECT NUMBER 177-1-R4

Applicant MNR, Kemptville District - Lanark CMU
Type Intensive stand management to increase timber production where critical shortages exist, specifically red oak.
Funding Approved \$2,050.
Description This project proposes a spring burn in Dalhousie Township to reduce competition in a 24 ha oak forest. The total cost to the *Forestry Futures Trust* was \$1,657.

PROJECT NUMBER 181-2-R4

Applicant MNR, Sioux Lookout CMU, Lac Seul Forest
Type Silviculture remediation of areas affected by forces of natural depletion, in this case wildfire.
Funding Approved \$221,722.
Description This project consists of regenerating 803.6 ha of 0-20 year-old spruce/jack pine plantations in the Lac Seul MU, Sioux Lookout CMU that burned in the summer of 1996. The shallow areas and sites with poor operability, comprising 609 ha, will be aerially seeded to jack pine in mid-February. An area of 27 ha will be mechanically site prepared with a TTS-power trencher to reduce duff thickness and planted with container stock (63 ha of jack pine, 69 ha of black spruce, and 16 ha of white spruce container stock and 46 ha of black spruce bareroot stock). This will contribute to maintaining the wood supply for the McKenzie Forest Products Inc. sawmill in Hudson. The total cost to the *Forestry Futures Trust* was \$156,060.

PROJECT NUMBER 182-2-R4

Applicant MNR, Fort Frances District
Type Silviculture remediation of areas affected by forces of natural depletion, in this case wildfire.
Funding Approved \$23,700.
Description This project consists of mechanically site preparing (using drags) 125 ha of salvage cutover from a spring (June) burned jack pine/black spruce and poplar forest and aerially seeding to jack pine. The area treated includes 288 ha of salvage cutover and 163 ha of burned regenerated cutovers. This project area lies within the wood supply area for Stone-Consolidated Corporation mill in Fort Frances. The total cost to the *Forestry Futures Trust* was \$15,400.

ROUND FIVE PROJECTS

PROJECT NUMBER 200-1-R5

Applicant MNR, Thunder Bay District - Lakehead Forest
Type Intensive stand management to increase timber production where critical shortages occur.
Funding Approved \$150,000.
Description The project consists of various renewal treatments (550 ha of mechanical site preparation, 49 ha of fall aerial and ground herbicide applications of Vision® at rates of 1.7 kg per ha) on scattered conifer plantations near Thunder Bay. This will provide 131 person-days of direct employment and contribute to future sawlog material for local mills (Buchanan Forest Products Ltd. (Great-West Timber Ltd. and Northern Wood Preservers Inc.). The total cost to the *Forestry Futures Trust* was \$136,465.

PROJECT NUMBER 201-1-R5

Applicant Avenor Inc. - Dog River/Matawin Forest
Type Intensive stand management to space mid-rotation jack pine to meet a short-term shortfall in conifer supply.
Funding Approved \$750,000.
Description This project was originally submitted as Project No. 170-1-R4. The project consists of a jointly funded venture (FFTF and Avenor Woodlands NW) to thin a jack pine/black spruce forest in the Dog River-Matawin Forest using chain-saw and skid operations and small mechanical harvesters in order to hold mature stands longer. The small diameter timber removed is chipped for distribution to the Thunder Bay mill. The total cost to the *Forestry Futures Trust* was \$ 500,000.

PROJECT NUMBER 202-1-R5

Applicant Abitibi-Price Inc. - Iroquois Falls South
Type Intensive stand management to increase timber production where critical shortages occur, specifically spacing through pre-commercial thinning of young jack pine to meet a projected shortage of sawlog materials.
Funding Approved \$38,670.
Description This project consists of pre-commercial thinning 130 ha of 10 to 20-year-old overstocked jack pine stands in Harker Township in the Iroquois Falls South Company Management Unit in the Kirkland Lake District. The project was proposed by the Wahgoshig First Nations in cooperation with Abitibi Price Inc., Malette Inc. and the Ministry of Natural Resources. Clearing saws will be used to reduce stand density to promote the growth of larger jack pine sawlog and pole material within a shorter time span. All approved funding was spent.

PROJECT NUMBER 203-1-R5

Applicant Nipissing Forest Resource Management Inc. Nipissing Forest
Type Intensive stand management to increase timber production where critical shortages exist, specifically thinning mid-rotation red pine to provide sawlogs.
Funding Approved \$1,000,000.
Description This project consists of thinning overstocked under 60-year-old red pine plantations over three years with brush saws and power saws to provide future sawlog material for local sawmills in Mattawa, Sturgeon Falls and Monetteville and to provide employment for three local First Nation communities over a 10 month period. The total cost to the *Forestry Futures Trust* was \$926,418.

PROJECT NUMBER 205-1-R5

Applicant Shining Tree Forest Inc.
Type Intensive stand management to increase timber production where critical shortages exist, specifically pre-commercial thinning of jack pine.
Funding Approved \$420,000.
Description This project consists of a pre-commercial thinning of 1050 ha of jack pine ranging in age from 9 to 19 years in the Shining Tree CMU, Timmins District by the Shining Tree Forest Inc. in partnership with the Town of Gogama and the Mattagami First Nation. Thinning will reduce stand densities from as high as 19,100 stems ha to 2000 to 2500 stems per ha and provide local employment for 20 individuals. All approved funding was spent.

PROJECT NUMBER 206-1-R5

Applicant Superior Forest Management Ltd. Superior Forest
Type Intensive stand management for the restoration of white and red pine through plantation establishment, where critical shortages of red and white pine occur.
Funding Approved \$32,065.
Description This three year project consists of site preparing 50 ha with a straight-blade bulldozer followed by growing and planting white pine (75 percent) and red pine (25 percent) to a density of 1300 trees per ha in Bernier and Cassidy Twps. The project will be funded jointly by *Forestry Futures Trust* funds, Pineal Lake Lumber and Superior Forest Management. The total cost to the *Forestry Futures Trust* was \$31,393.

PROJECT NUMBER 207-1-R5

Applicant Timiskaming Forest Alliance Inc ./MNR - Kirkland Lake District
Type Intensive stand management to increase timber production where critical shortages exist, specifically pre-commercial thinning of jack pine.
Funding Approved \$6,400.
Description This project consists of pre-commercial thinning of 16 ha of seeded jack pine ranging in age from 10 and 20 years in Marter Township, Timiskaming Forest Management Unit. Motor-manual thinning will space crop trees to 2.4 x 2.4 m and provide local summer and fall employment. All approved funding was spent.

PROJECT NUMBER 208-1-R5

Applicant Bancroft District - Mazinaw CMU
Type Intensive stand management to increase timber production where critical shortages exist, specifically red oak.
Funding Approved \$60,000.
Description This project consists of marking for removal invading and undesirable tolerant hardwood stems in and around oak crop trees on 750 ha over three years scattered throughout the Mazinaw CMU. Costs of layout-compliance, marking and felling will be shared by the applicant. The total cost to the *Forestry Futures Trust* was \$12,504.

PROJECT NUMBER 209-1-R5

Applicant Bancroft District - Mazinaw CMU
Type Intensive stand management in terms of tolerant hardwood stand improvement to address the continuous shortage of high quality hardwood timber.
Funding Approved \$153,000.
Description This project consists of tolerant hardwood stand improvement on 510 ha per year over three years (total 1,530 ha) to increase the percentage of high quality sawlog/veneer material. The SPA will provide funding for the layout tree marking and compliance monitoring. The total cost to the *Forestry Futures Trust* was \$56,558.

PROJECT NUMBER 211-1-R5

Applicant MNR, Bancroft District - Minden Forest CMU
Type Intensive stand management to increase timber production where critical shortages exist, specifically white pine.
Funding Approved \$14,200.
Description This project consists of hand cleaning 40 ha of poplar overtopping a 6 to 7-year old white pine bareroot stock in the Salmon Lake Area of Cavendish Township. The proposal is to "hack and bend" the young poplar and other non-crop species during the fall of 1997, using sandvicks, to discourage resprouting, to release crop trees and to provide wildlife habitat. The total cost to the *Forestry Futures Trust* was \$11,230.

PROJECT NUMBER 213-1-R5

Applicant MNR, Pembroke District
Type Intensive stand management, specifically chemical ground cleaning to favour white pine regeneration to meet a well documented short to long term shortfall of white pine.
Funding Approved \$90,645.
Description This project consists of the ground application of herbicide (Vision®) on 254 ha in the Morrow Lake area and 97 ha in the Anna Lake area in Matawachan Township to reduce the vigor of vegetation competing with white pine managed under the shelterwood system. The total cost to the *Forestry Futures Trust* was \$37,440.

PROJECT NUMBER 215-1-R5

Applicant MNR, Pembroke District
Type Intensive stand management to increase timber production where critical shortages exist in white pine.
Funding Approved \$12,000.
Description This project consists of mechanically site preparing 53 ha in the Twin Lakes, Brougham, and Bagot Townships during the fall of 1997. The objective is to prepare receptive sites of backlog area under a white pine shelterwood system. The total cost to the *Forestry Futures Trust* was \$8,250.

PROJECT NUMBER 216-2-R5

Applicant MNR, Nipigon District - Steel River CMU
Type Remediation of natural disaster, specifically post-fire renewal.
Funding Approved \$178,214.
Description This project consists of purchasing and late-summer planting of 615,000 black spruce to replace young plantations burned during the summer of 1996 which will provide direct employment for 30 planters for 17 days. Because the fire burned hot and fast, site preparation is not needed if planting occurs immediately. The total cost to the *Forestry Futures Trust* was \$168,542.

PROJECT NUMBER 217-2-R5

Applicant Avenor Inc. - Black Sturgeon Forest

Type Silviculture remediation of areas affected by forces of natural depletion, specifically plantation replacement following fire.
Funding Approved \$1,515,000.
Description This project consists of a plan to grow and plant 5500 M jack pine seedlings and aerially seed 3000 ha on sites burned, followed by tending three years after plantation establishment. All approved funding was spent.

PROJECT NUMBER 218-2-R5

Applicant Avenor Inc. - Dog River/Matawin Forest
Type Remediation of natural disaster, specifically post-fire renewal of young plantations.
Funding Approved \$309,500.
Description This project consists of replanting 400 ha of plantation destroyed by fire in 1996, over two years (1996 and 1997) followed by herbicide tending in 1998. All approved funding was spent.

PROJECT NUMBER 219-2-R5

Applicant Domtar Inc. - Lake Nipigon Forest
Type Remediation of natural disaster, specifically post-fire renewal of burned young plantations.
Funding Approved \$397,430.
Description This project will take place on the Patio Lake burn of the Lake Nipigon Forest FMA#500900 within an area burned during the 1996 summer fire season. It consists of mechanically site preparing 550 ha followed by stock production, purchase, and planting 134 ha of black spruce and 412 ha of jack pine followed by aerial tending of 499 ha and manual tending of 48 ha. The total cost to the *Forestry Futures Trust* was \$45,877.

PROJECT NUMBER 220-2-R5

Applicant Domtar Inc. - Armstrong Forest
Type Remediation of natural disaster, specifically post-fire renewal of burned plantations.
Funding Approved \$192,760.
Description This project consists of the renewal of 166 ha of jack pine 1 and 175 ha of black spruce 1 forest in the Whitesand and Linklater Lake burn, Armstrong Forest, Thunder Bay District. This project includes stock production and purchase, planting 613,800 trees, aerially tending 323 ha and manual tending of 18 ha. The total cost to the *Forestry Futures Trust* was \$94,873.

PROJECT NUMBER 221-2-R5

Applicant Kimberley-Clark Inc. and MNR - Geraldton Forest
Type Remediation of natural disaster, specifically post-fire young plantation renewal.
Funding Approved \$182,461.
Description This project consists of purchasing and contract planting black spruce and jack pine to reestablish a 311 ha five-year old jack pine and black spruce plantation that burned in 1996. This plantation will be established in the Spade Road burn northwest of Geraldton on the Geraldton Forest Resource License. All approved funding was spent.

PROJECT NUMBER 222-2-R5

Applicant Tolko Industries Ltd. - Kenora CMU
Type Intensive stand management to increase timber supply.
Funding Approved \$182,800.
Description This application consisted of two projects: the first, to pre-commercially space 457 ha of fire-origin jack pine and aspen stands using brushsaws; and the second to convert 350 ha of budworm killed balsam fir stands by tramping and blading 350 ha followed by planting to black and white spruce. Only the intensive stand management component is funded for this fiscal year. The total cost to the *Forestry Futures Trust* was \$162,066.

PROJECT NUMBER 223-2-R5

Applicant MNR, Pembroke District
Type Silvicultural remediation of areas affected by forces of natural depletion, specifically the renewal of a large area of blowdown.
Funding Approved \$13,070.
Description This project consists of mechanically site preparing a 19 ha salvaged blowdown area of mixed poplar and white pine working groups to prepare receptive white and red planting beds and to control early competition for planted white and red pine in Brougham Township. Stock purchase and planting will occur in the second year. The total cost to the *Forestry Futures Trust* was \$7,199.

ROUND SIX PROJECTS

PROJECT NUMBER 230-1-R6

Applicant Clergue Forest Management Inc.

Type	Intensive tolerant hardwood stand management to meet a critical future timber supply, specifically for quality hardwood sawlog and veneer quality timber.
Funding	Approved \$435,000.
Description	This project consists of felling or girdling unmerchantable trees (undersize or cull) on 5800 ha (2900 ha/year) in forests being managed under the selection or shelterwood management systems. This will space and improve the quality of tolerant hardwood stands, increasing the percentage of quality sawlog material to meet a short-term critical wood supply shortage. It will also provide better opportunities for natural regeneration to meet future demands. Algoma CMU. The total cost to the <i>Forestry Futures Trust</i> was \$281,175.

PROJECT NUMBER 233-1-R6

Applicant	MNR, Parry Sound District, Bracebridge MU.
Type	Intensive conifer stand management to release of natural red pine and white spruce to meet a critical future timber supply.
Funding	Approved \$19,500.
Description	This project will release 97.5 ha of planted and natural red pine and white spruce from competing woody vegetation using motorized brush saws between April 1998 and March 1999. The project will be carried out in partnership with the Westwind SFL in the Bracebridge CMU. All approved funding was spent.

PROJECT NUMBER 234-1-R6

Applicant	MNR, Kemptville District
Type	Intensive management of red oak to reduce the level of competition to meet a critical red oak wood supply shortage.
Funding	Approved \$5,600.
Description	This project involves the manual tending of a 14 ha tolerant hardwood stand managed under the shelterwood system to reduce hardwood competition in order to promote the survival, growth and development of red oak. This project will provide employment for local silvicultural contractors and logging contractors. Year one of the project involved opening up the forest canopy at the proponents expense. Lanark CMU. The total cost to the <i>Forestry Futures Trust</i> was \$5,577.

PROJECT NUMBER 235-1-R6

Applicant	MNR, Pembroke District
Type	Intensive stand management to promote red oak through a prescribed burn to meet a future critical shortage in red oak.
Funding	Approved \$14,400.
Description	This project involves carrying out a prescribed burn (Schweigert's Creek red oak prescribed burn) in a 33 ha 80 to 120 year old mixed red oak/hard maple/beech stand managed under the uniform shelterwood system. This will create an appropriate seedbed for the natural regeneration of red oak, will promote the resprouting of naturally and artificially established red oak regeneration and will reduce competing understorey vegetation. This will increase the volume production of quality oak sawtimber and veneer to meet local demand. This project was previously approved for completion in 1996-97, however weather restrictions prevented project completion. Pembroke CMU. The total cost to the <i>Forestry Futures Trust</i> was \$ 3,487.

PROJECT NUMBER 236-1-R6

Applicant	MNR, Pembroke District
Type	Intensive stand management; aerial herbicide tending to meet a future critical wood shortage.
Funding	Approved \$199,068.
Description	This project is a three year project with the first year funded by FFT, and the follow-up assessment funded by the proponent. An aerial application of Vision® (glyphosate) and/or Release (triclopyr) herbicide will be applied aerially at rates between 2.0 to 4.0 L/ha (1.1 and 1.4 kg a.i./ha) to control hardwood competition and thus release white and red pine seedlings on a 1029 ha plantation. Pembroke CMU. The total cost to the <i>Forestry Futures Trust</i> was \$181,630.

PROJECT NUMBER 237-1-R6

Applicant	MNR, Pembroke District
Type	Intensive stand management - manual tending- to meet a future critical wood shortage, specifically white pine.
Funding	Approved \$42,000.
Description	This project consists of the manual cleaning (brushsaw) of 97 ha of white pine plantations. It will also provide training to local forest industry employees prior to their acceptance of SFL responsibilities and will provide employment to local forest contractors. Pembroke CMU. All approved funding was spent.

PROJECT NUMBER 238-1-R6

Applicant	MNR, Pembroke District
Type	Intensive stand management (chemical ground cleaning) to meet a future critical conifer wood supply shortage.

Funding Approved \$211,500.
 Description This single year project consists of ground spraying 712 ha of white pine, red pine and spruce plantations with glyphosate (Vision®) herbicide at a rate of 1.1 and 1.4 kg a.i./ha with a skidder mounted mist blower. This will release the conifer plantations from hardwood competition. It will also provide training to the local forest industry prior to their acceptance of SFL responsibilities and it will provide employment to local forest contractors. Pembroke CMU. The total cost to the *Forestry Futures Trust* was \$140,174.

PROJECT NUMBER 239-1-R6

Applicant MNR, Pembroke District
 Type Intensive stand management to meet a future critical wood supply shortage, specifically white pine.
 Funding Approved \$461,200.
 Description This project consists of the mechanical scarification of 1281 ha of understorey white pine managed under the uniform shelterwood system. This will create a favourable seedbed for white pine for natural regeneration. It will also provide local employment and training for the local forest industry prior to their acceptance of SFL responsibilities. Pembroke CMU. The total cost to the *Forestry Futures Trust* was \$182,082.

PROJECT NUMBER 241-2-R6

Applicant Malette Inc.
 Type Remediation following a fire.
 Funding Approved \$70,000 over three years. (\$8,000 for 1997-98; \$36,000 for 1998-99; \$26,000 for 1999-00)
 Description This project consists of the mechanical scarification (trencher) of 46 ha of burned plantation (Baker Lake Fire, Timmins #2), followed by planting in year two and tending in year three. This will contribute to the future conifer wood supply for the local mills and provide employment for local contractors. Romeo Malette Forest. The total cost to the *Forestry Futures Trust* was \$36,130.

PROJECT NUMBER 243-2-R6

Applicant Kimberly-Clark Inc., Longlac
 Type Remediation following a fire, specifically re-establishing conifer plantations.
 Funding Approved \$243,752.
 Description This project is a single year project to purchase stock and replant 439 ha of 7-year old plantations in the Kenogami Forest that were burned by a 1996 wildfire (the Longjon Road burn refill). This project would replant these areas with white spruce, black spruce, and jack pine seedlings at a density of 1545 trees/ha on sites pre-treated with a chemical herbicide for competition control. Kenogami Forest. The total cost to the *Forestry Futures Trust* was \$231,336.

ROUND SEVEN PROJECTS

PROJECT NUMBER 250-1-R7

Applicant MNR, Thunder Bay and Greenmantle Forest Inc. Lakehead Forest
 Type Lakehead Forest Conifer rehabilitation and tending: Silviculture remediation of areas affected by forces of natural depletion, specifically spruce budworm infestation.
 Funding Approved \$159,404.
 Description This project consists of mechanical site preparation of 778 ha in 1998-99 for planting white, red and jack pine and white and black spruce in 1999-2000; and, ground herbicide application for red pine and jack pine plantation release on 26 ha in 1998-99. These projects will contribute to the reestablishment of commercial conifer stands in areas of poor quality hardwood forests and budworm damaged balsam fir stands in areas close to Thunder Bay to assist in alleviating future conifer wood volume shortfalls. It is expected to create 100 person days of employment for one or more SIP contractors and 22 days for ground herbicide application. This will also facilitate 1000 person days of employment for tree planting, funded through the SPA. The total cost to the *Forestry Futures Trust* was \$144,152.

PROJECT NUMBER 251-1-R7

Applicant MNR, Kenora CMU and Tolko Industries Inc.
 Type Intensive stand management (chemical ground cleaning) to increase conifer (spruce and jack pine) timber production where critical shortages occur.
 Funding Approved \$118,640.
 Description This project consists of chemical ground cleaning of 269 ha of spruce and red pine plantations, the fall application of herbicide (Vision®) using a spray unit attached to an all-terrain vehicle and backpack sprayers at rates of 1.7 kg a.i. per ha to control grass and shrub competition on silty clay soils. The total cost to the *Forestry Futures Trust* was \$94,938.

PROJECT NUMBER 252-1-R7

Applicant Tolko Industries Inc. and Kenora MNR
 Type Intensive stand management to space pre-commercial jack pine to meet predicted shortfalls in sawlog material.

Funding Approved \$108,000.
Description This project consists of the pre-commercial spacing of 30 ha of red pine and 180 ha of fire origin jack pine and poplar using brush saws. Project supervisors are to be trained under the native (First Nations) education and training program for Kenora District. All approved funding was spent.

PROJECT NUMBER 253-1-R7

Applicant Abitibi-Consolidated Inc., Fort Frances Highrock Forest
Type Intensive stand management, specifically juvenile spacing of jack pine to accelerate diameter growth to meet the predicted shortages in sawlog material from the 21-60 year old age classes.
Funding Approved \$ 321,342 over three years. (\$105,000 for 1998-99; \$107,100 for 1999-00 and \$109,242 for 2000-01).
Description This project consists of thinning 900 ha of 17 year old jack pine with brush saws over 3 years. Cold Lake burn stand enhancement and the Manion Road Stand Enhancement to meet long term wood shortages in the jack pine and poplar forest units in an area destroyed by fire in 1981.

PROJECT NUMBER 255-2-R7

Applicant Avenor Inc. Brightsand Forest: Harddog Replant Project
Type Intensive stand management to increase timber production where critical shortages occur, specifically scarification for natural regeneration.
Funding Approved \$393,590.
Description This project consists of replanting 954 ha of previously treated cutover burnt in the spring of 1996 to jack pine. All approved funding was spent.

PROJECT NUMBER 258-1-R7

Applicant Timiskaming Forest Alliance Inc., Timiskaming Forest
Type Intensive stand management to space juvenile jack pine to meet a predicted short- and medium-term shortfall in softwood supply.
Funding Approved \$183,050 over three years. (\$52,500 for 1998-99; \$60,550 for 1999-00 and \$70,000 for 2000-01)
Description This project consists of manually thinning 523 ha of 10 to 16-year old jack pine plantations down to 1900 stems/ha.

PROJECT NUMBER 260-1-R7

Applicant E.B. Eddy Forest Products Ltd. Thessalon; Mississagi M.U.
Type Intensive tolerant hardwood management to increase timber production of sawlog and veneer quality wood where critical shortages in quality hardwoods occur.
Funding Approved \$125,700.
Description This project funds tolerant hardwood stand improvement to remove low quality material and increase the supply of high quality hardwoods on 1676 ha over two years in stands managed under the shelterwood and selection system to increase the quality (sawlog/veneer) of future harvests. The total cost to the *Forestry Futures Trust* was \$79,950.

PROJECT NUMBER 261-1-R7

Applicant Malette Inc., Timmins; Romeo Malette Forest
Type Stand improvement to increase the supply of jack pine in the medium and long term.
Funding Approved \$42,075.
Description This project consists of mechanically thinning 99 ha of 10-15-year-old jack pine down to densities of 1700 to 2000. The total cost to the *Forestry Futures Trust* was \$19,975.

PROJECT NUMBER 262-2-R7

Applicant Superior Forest Management Ltd.; Superior Forest
Type Remediation to thin plantations re-established following a 1995 burn to meet future conifer wood supply shortages.
Funding Approved \$389,092.
Description Aerial spraying of 1630 ha of young, densely stocked post-burn jack pine and black spruce plantations (aerial seed origin) in 1998 and 1999. Tree planting on 575 ha of burned plantation to jack pine container stock. The total cost to the *Forestry Futures Trust* was \$337,202.

PROJECT NUMBER 263-1-R7

Applicant Superior Forest Management Ltd., Chapleau
Type Intensive stand management to meet medium-term shortfalls in supply, specifically by releasing plantation white and red pine.
Funding Approved \$41,115.

Description This project consists of restoring 50 ha of white and red pine by blading or raking rich sites in 1998 and planting a 75:25 percent mix of white pine red pine, respectively, in the spring of 1999 at densities of 1300 trees/ha. Tending will be carried out through SPA funding. The total cost to the *Forestry Futures Trust* was \$34,789.

PROJECT NUMBER 264-1-R7

Applicant Bancroft District, Minden CMU
Type Intensive stand management to meet a shortage of conifer, specifically white pine.
Funding Approved \$5,250.
Description Site preparation will be carried out using a root rake on 58 ha (15 ha net) in Galway Township, Peterborough county to prepare it for planting white pine. This St. Croix Creek plant will contribute to re-establishing white pine in this area. The total cost to the *Forestry Futures Trust* was \$2,792.

PROJECT NUMBER 266-2-R7

Applicant Parry Sound District/Westwind Forest Stewardship
Type Intensive stand management to meet future timber supply shortages, specifically quality hardwoods.
Funding Approved \$312,000 divided equally over three years. (1998-01)
Description This project consists of the pre-commercial stand improvement in tolerant hardwoods managed under the selection silvicultural system on the Bracebridge and Georgian Bay CMU to increase the quality and quantity of volume for future harvests

PROJECT NUMBER 267-1-R7

Applicant Parry Sound District/Westwind Forest Stewardship
Type Intensive stand management to meet future timber supply shortages, specifically quality conifer sawlogs and poles.
Funding Approved \$18,000, divided equally over three years. (1998-01)
Description This project consists of providing financial incentives to commercial operators harvesting economically marginal first and second thinnings of red, white and white spruce plantations on the Bracebridge and Georgian Bay CMU. This will accelerate the supply of quality sawlog and pole materials to the local mills.

PROJECT NUMBER 270-1-R7

Applicant Bancroft District/Mazinaw CMU
Type Intensive stand management to meet future timber supply shortages, specifically tolerant hardwoods.
Funding Approved \$395,550 divided equally over three years. (1998-2001)
Description This project consists of thinning mid-rotation tolerant hardwood stands by felling or girdling 1438 ha of young pole wood stands to assist in the continuous supply of quality forest products from Mazinaw CMU over a three year period.

PROJECT NUMBER 271-1-R7

Applicant Parry Sound District, Georgian Bay CMU
Type Intensive stand management to meet future conifer timber supply shortages.
Funding Approved \$399,400 over two years. (\$200,000 for 1999-99; \$199,400 for 1999-00)
Description This project involves the release of desirable coniferous regeneration (white pine, red pine, white spruce, hemlock) from tree, shrub and herbaceous competition in white/red pine uniform shelterwood seeding cut stands on 1997 ha.

PROJECT NUMBER 272-1-R7

Applicant Bancroft District/Bancroft CMU
Type Intensive stand management to meet future timber supply shortages, specifically white pine.
Funding Approved \$738,556 divided equally over three years. (1998-01)
Description This project consists of establishing red and white pine through site preparation (Young's teeth), planting, tending and assessment on selected intolerant and mixedwood cutovers with 267 ha/year.

PROJECT NUMBER 273-1-R7

Applicant Bancroft District/Minden CMU
Type Intensive stand management to meet future timber supply shortages, specifically quality softwoods.
Funding Approved \$16,710.
Description To hand plant 40,000 white pine and 4,000 white spruce on 21.7 ha by a local contractor. The proposed project is for stand conversion from low-grade poplar mixedwoods to white pine. All approved funding was spent.

PROJECT NUMBER 274-1-R7

Applicant MNR Kemptville Lanark CMU
Type Intensive stand management to meet future timber supply shortages, specifically white pine.
Funding Approved \$4,550.

Description This project consists of the manual tending of white pine plantations to enhance the survival and growth of white pine crop trees. The total cost to the *Forestry Futures Trust* was \$4,225.

PROJECT NUMBER 275-1-R7

Applicant Kemptville District, Lanark CMU
Type Intensive stand management to meet future timber supply shortages, specifically high value quality red oak.
Funding Approved \$8,525 over three years. (\$2,000 for 1998-99; \$6,525 for 1999-00, carried over to 2000-01).
Description This project consists of carrying out a prescribed burn to promote red oak regeneration in Lavant Township. This will release red oak from other hardwood competition, promote red oak resprouting, and enhance white-tailed deer habitat. This project provides training and local employment to forest industry partners.

PROJECT NUMBER 277-2-R7

Applicant Donohue Quno Inc., Nagagami Forest
Type To satisfactorily regenerate depleted area to acceptable standards.
Funding Approved \$272,000.
Description Area was site prepared with D8 tractors with Angle Blades to remove 80 percent of heavy slash and 30 to 50 percent of duff layer from the site. Total of 270 ha was treated. Work was carried out in the winter on frozen ground in order to reduce potential site damage. The total cost to the *Forestry Futures Trust* was \$85,793.

ROUND EIGHT PROJECTS

PROJECT NUMBER 282-2-R8

Applicant Avenor Inc.
Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding Approved \$100,726.
Description This project consists of aerial seeding 3794 ha of area burned in the Canbou Forest and the English River Forest in 1996. The fire burned many young jack pine plantations established following an earlier harvest. Regeneration will be primarily to jack pine with 118 ha seeded to black spruce. The estimated direct impact of this investment would be an increase of 393,000 cum compared to not treating these areas. Benefits included direct employment for cone collection and seed extraction, aerial seeding, and planning. The total cost to the *Forestry Futures Trust* was \$92,026.

PROJECT NUMBER 283-1-R8

Applicant McChesney Lumber of E.B. Eddy Forest Products Inc.
Type Intensive stand management through the ground application of herbicide to release black and white spruce from severe understory competition to meet a future critical conifer wood shortage.
Funding Approved \$296,125 divided equally over two years. (1999-00 and 2000-01)
Description This project consists of the ground application of herbicide at rates of 1.1 kg of active ingredient per ha, to release of 1584 ha of 3- to 7-year old white and black spruce on the Pineland Forest. This project will provide a 10 percent increase in the short term sustainable wood supply, create 10 to 20 local jobs in an economically depressed region, and provide employment for the citizens of Foleyet, Gogama and local First Nations communities.

PROJECT NUMBER 287-1-R8

Applicant Domtar Inc.
Type Intensive stand management to pre-commercially thin jack pine to meet the predicted shortage in conifer sawlog supply.
Funding Approved \$66,185.
Description This project consists of manually thinning 217 ha of 15 to 20 year old jack pine stands in Memaskwash and Charbonneau townships in the southeast corner of the White River Forest. This will accelerate crop tree growth and reduce the time to harvest sawlog material. This treatment is predicted to increase merchantable volume by 13,454 cu m over 60 years. All approved funding was spent.

PROJECT NUMBER 288-2-R8

Applicant Abitibi-Consolidated Inc.
Type Silvicultural remediation of areas affected by the forces of natural depletion, in this case wildfire.
Funding Approved \$1,094,966 over three years. (\$190,275 in 1998/1999; \$821,039 in 1999/2000 and \$83,652 in 2000/2001)
Description This project consists of the renewal of productive forest area in the Iroquois Falls Forest destroyed by the Cochrane Fire #19 in June 1997. The renewal treatment consists of winter shear blade site preparation, planting black spruce and white spruce seedlings, aerial seeding and aerial chemical tending where required.

PROJECT NUMBER 289-2-R8

Applicant	Superior Forest Management Ltd.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding	Approved \$189,661 with \$169,956 in 1998/99 and \$20,705 in 2000/2001
Description	This project consists of regenerating young free- to grow plantations, young naturally regenerating spruce forests, and mature mixedwood forests burned by the Chapleau Fire #13 in May, 1998. A 320 ha area with inadequate conifer seed supplies on-site will be planted to jack pine and spruce. Aerial tending with Vision (glyphosate) at rates of 1.8 kg. a.i. per ha in 2001 will control competing species and release crop trees. Volume gains on treated areas are estimated at 13,924 and 32,074 cu m per ha.

PROJECT NUMBER 292-1-R8

Applicant	Bancroft-Minden Forest Co. Inc.
Type	Union Lake Pine conversion.
Funding	Approved \$80,730 over three years. (\$7,250 for 1998-99; \$32,100 for 1999-00; \$41,380 for 2000-01)
Description	The Union Lake Pine Conversion project consists of intensively treating 142 ha of productive mixedwood sites. The intensive stand management package includes cutting, tramping, mechanical site preparation using blading or rakes, and planting white pine nursery stock. Future tending of the white pine plantations will be carried out to control competition as needed.

PROJECT NUMBER 294-1-R8

Applicant	Ottawa Valley Forest Inc.
Type	Intensive stand management, specifically the aerial application of herbicides for stand tending.
Funding	Approved \$240,454 for 1999-00.
Description	This project consists of the release of planted red pine, white pine, and spruce from hardwood competition on 1271 ha. The aerial application of Vision [®] (Glyphosate) and/or Release (tridopyr) herbicide at rates of 3.0 to 5.0 L per ha (1.1 and 1.8 kg a.i per ha) will effectively reduce the growth of competing beaked hazel, soft maple, willow, alder and pin cherry. This will provide local employment for on-the ground support.

PROJECT NUMBER 295-1-R8

Applicant	Ottawa Valley Forest Inc.
Type	Intensive stand management, specifically the release of planted white pine from hardwood competition.
Funding	Approved \$163,500 for 1999-00.
Description	This project consists of chemically tending 600 ha of established white pine regeneration suppressed by hardwood competition. Tending will be carried out with the ground application of herbicide (Vision [®]), applied at a rate between 1.1 and 1.4 kg a.i. per ha. This will reduce the growth of competing hardwoods in white pine forests managed under the uniform shelterwood harvest system. This provides local employment for forestry workers and will contribute to increasing the supply of white pine in the future.

PROJECT NUMBER 296-1-R8

Applicant	Ottawa Valley Forest Inc.
Type	Intensive stand management, specifically pre-commercial thinning and spacing pole-sized white pine, tolerant hardwood and red pine plantations to increase the supply of sawlog material.
Funding	Approved \$107,900.
Description	This project consists of the manual spacing of three red pine and white pine plantations and one tolerant hardwood forests of fire origin on 332 ha in four areas: White Lake, Little Bark Bay, Forest Lea Ski Trail and Quadeville/Eneas Creek. This will reduce the time to rotation for crop trees and increase the percentage of sawlog material in the stands providing products for the local mills. The total cost to the <i>Forestry Futures Trust</i> was \$71,210.

PROJECT NUMBER 297-1-R8

Applicant	Ottawa Valley Forest Inc.
Type	Intensive stand management, specifically manually cleaning pine plantations and natural pine regeneration from competition using brushsaws.
Funding	Approved \$177,900.
Description	This project consists of manually cleaning 402 ha of pine plantations and natural pine regeneration from competition using brushsaws within part of a deer yard, stream buffers and adjacent to a cottage subdivision. This will release white pine crop trees, increasing their chance of survival and growth, and contribute to the future supply of pine sawlog material. This project provides local employment to the forestry sector, stimulates the growth of browse in the deer yard, and provides a demonstration area for public education. The total cost to the <i>Forestry Futures Trust</i> was \$123,716.

PROJECT NUMBER 298-1-R8

Applicant	Ottawa Valley Forest Inc.
Type	Intensive stand management to meet shortfalls in wood supply.

Funding	Approved \$440,730 over three years. (\$92,710 for 1999-00; \$219,215 for 2000-01 and \$128,805 for 2001-02)
Description	This three year project consists of mechanical site preparation and tree planting in the understory of white pine forests managed under the Uniform Shelterwood System. Planting will be carried out at densities of 1500 trees per ha. This activity will provide planted seedlings with several years of favourable growing conditions. The overall objective is to restore white pine ecosystems in the Ottawa Valley to provide a sustainable flow of white pine sawlog material.

PROJECT NUMBER 300-2-R8

Applicant	Ottawa Valley Forest Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding	Approved \$4,950.
Description	This project consists of planting red and white pine in 1999 at densities of 1500 to 1900 trees per ha on dry sites burned by the McKay Creek Wildfire. This will contribute to future sawlog pine supply to local mills and provide local employment. The total cost to the <i>Forestry Futures Trust</i> was \$3,474.

PROJECT NUMBER 302-2-R8

Applicant	Domtar Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding	Approved \$161,196.
Description	This project planted 362.9 ha of burned forest to jack pine and black spruce. A total of 618,274 trees were planted to increase future conifer wood supply to the local mill in White River. Future plantation tending will be carried out by the company. All approved funding was spent.

PROJECT NUMBER 304-2-R8

Applicant	Abitibi-Consolidated Inc. Fort William Division
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding	Approved \$260,120.
Description	This project involves replanting 2 to 3-year old plantations consumed by the May 1998 Thunder Bay Fire 21. These young plantations in the McConnel Creek area were planted following a salvage harvest of balsam fir/spruce forests depleted in the spruce budworm epidemic between 1985 and 1994. A total of 456,069 black spruce and 14,100 white pine were planted on 270 ha at a density of 1739 trees per ha. This project contributed to the future conifer wood supply and provided short-term local employment to tree planters and the associated tree production industry. The total cost to the <i>Forestry Futures Trust</i> was \$204,611.

ROUND NINE PROJECTS

PROJECT NUMBER 305-1-R9

Applicant	Greenmantle Forest Inc.
Type	Intensive stand management through the aerial and ground application of herbicide to release black and white spruce from severe understory competition to meet a future critical conifer wood shortage.
Funding	Approved \$170,955.
Description	This project consisted of aerial and ground application of herbicide on 1647.5 ha and 270 ha, respectively, to release suppressed black spruce, white spruce, jack pine and red pine plantations from competitive hardwood competition. This is part of an overall program to reestablish productive commercial conifer forests close to Thunder Bay to assist in alleviating future conifer wood volume shortfalls. This project created approximately 135 person days of local employment. The total cost to the <i>Forestry Futures Trust</i> was \$161,703.

PROJECT NUMBER 308-2-R9

Applicant	Abitibi-Consolidated Inc.
Type	Silvicultural remediation of areas affected by the forces of natural depletion in this case blowdown.
Funding	Approved \$5,040.
Description	This project involves the aerial application of (Vision®) on 58 ha to control hardwood competition in red pine, jack pine, and black spruce plantations. These plantations were established in 1996 and 1997 in the Korpl Blowdown area of the Highrock Forest. Tending will accelerate conifer growth and shorten the time to harvest, thereby addressing the predicted future shortage of conifer sawlog material. All approved funding was spent.

PROJECT NUMBER 311-1-R9

Applicant	E.B. Eddy Forest Products Ltd.
Type	Intensive stand management through pre-commercial thinning of jack pine on the Spanish Forest with Wikwemikong First Nation.

Funding Approved \$129,375 over two years. (\$129,375 for 1999-00; \$150,000 in 2000-01)
Description This project consists of spacing over-stocked, high density, aerially seeded, juvenile jack pine plantations to maximum diameter growth over a shortened rotation. Seven hundred and forty-five hectares of selected plantations will be thinned down to densities between 1,700 and 2,100 stems/hectare.

PROJECT NUMBER 312-2-R9

Applicant Atikokan Forest Products Ltd.
Type Intensive stand management to increase timber production where critical shortages occur.
Funding Approved \$69,550 for 1999-00.
Description This project consists of mechanically site preparing (blading) 200 ha of backlog area in the Sapawe Forest, near Fort Francis in 1999. The company would subsequently plant 200,000 white pine, jack pine, red pine and white spruce seedlings the following spring at their own expense. This will provide local employment for the forestry sector, and establish a plantation that will contribute to the documented future conifer wood supply shortages.

PROJECT NUMBER 313-2-R9

Applicant Bowater Pulp and Paper Canada Inc.
Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding Approved \$70,470.
Description This project consisted of aerial seeding 1475 ha of young conifer plantations that burned in a 1996 wildfire in the Brightsand Forest. This will contribute to the local conifer wood supply in the future and provided short-term local employment. The total cost to the *Forestry Futures Trust* was \$68,661.

PROJECT NUMBER 314-2-R9

Applicant Buchanan Forest Products Ltd.
Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding Approved \$788,377 over two years. (\$436,919 for 1999-00 and \$351,458 for 2000-01)
Description This project consists of reestablishing jack pine and black spruce plantations in the Big Pic Forest, burned in the 1998 Wawa Fire #22 where insufficient conifer seed sources occur. This project has three components: growing and planting nursery stock on 400 ha, mechanically site preparing and planting stock on 800 ha, and aerial seeding and tending 1196 ha. This will contribute to future conifer wood supply, while providing local employment.

PROJECT NUMBER 316-2-R9

Applicant Bowater Pulp and Paper Canada Inc.
Type Intensive stand management to space juvenile jack pine to meet a predicted short- and medium-term shortfall in softwood supply.
Funding Approved \$1,050,000.
Description Single-grip harvesters and brush saws were used to space 16 to 35-year old jack pine stands on 3229 ha in the Dog River/Matawin Forest to reduce stand densities to 2200 trees per ha on productive sites close to the mill. Thirty-two person-years of extra employment will be created. All approved funding was spent.

PROJECT NUMBER 318-2-R9

Applicant Spruce Falls Inc.
Type Silviculture remediation of areas affected by the forces of natural depletion in this spruce budworm.
Funding Approved \$1,016,734 over two years. (\$700,382 for 1999-00 and \$316,352 for 2000-01)
Description This project consists of a budworm salvage harvest of mixed forests growing on silty soils, followed by the application of heavy mechanical site preparation (D-8 bulldozer with a straight or shear blade) to create 100 m wide planting strips. Each of these strips will be planted to black and white spruce at densities of 1,750 trees per ha. This project is predicted to contribute an additional 99,000 cu m of conifer to the future wood supply. This project will also provide approximately 255 person-days of work for bulldozer operators and supervision, 2,149 person-days for tree planting and multiplier jobs created by supporting activities including the accommodation, fuel and food industries.

PROJECT NUMBER 319-2-R9

Applicant Kimberly-Clark Inc.
Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
Funding Approved \$24,473.
Description The Batiste Addition Burn Refill consisted of the stock purchase and planting of 62,911 black spruce and 27,675 white spruce seedlings on 52 ha in the Kenogami Forest near Longlac. This will reestablish a 1996 conifer plantation and a 1992 plantation that burned during the summer of 1998. This provided employment for youth and local silvicultural workers. All approved funding was spent.

PROJECT NUMBER 320-2-R9

Applicant Bowater Pulp and Paper Canada Inc.
 Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
 Funding Approved \$923,200.
 Description This project consisted of regenerating 1513 ha on the Black Sturgeon Forest that had been destroyed or severely damaged by fire. Specifically the treatment consists of salvaging any merchantable volume left on the site, site preparing, producing black spruce and jack pine seedling stock and planting 1,998,000 black spruce, 200,000 jack pine and 200,000 red pine. Tending will be carried out in the future, as needed. All approved funding was spent.

ROUND TEN PROJECTS**PROJECT NUMBER 328-1-R10**

Applicant Abitibi-Consolidated Inc.
 Type Intensive conifer stand management to space suppressed conifer to meet predicted shortfalls in jack pine wood supply.
 Funding Approved \$47,600 for one year. (1999-00)
 Description This project consists of manually spacing 136 ha of dense (9700 stems/ha) 12 to 13 year old jack pine down to 2000 to 2500 stems per ha in order to increase crop tree growth rates. This Hutton Road project, located 50 km southeast of Atikokan, will provide short-term employment for the Seine River First Nations and adjacent communities. Flanders Forest SFL.

PROJECT NUMBER 329-1-R10

Applicant Abitibi-Consolidated Inc.
 Type Intensive conifer stand management to space suppressed conifer to meet predicted shortfalls in sawlog material.
 Funding Approved \$ 114,450 for one year. (1999-00)
 Description The Esker/Bullmoose Stand Enhancement Project consists of manually spacing 327 ha of 10 to 11-year old aerially (or bracked) seeded jack pine plantations on the Manion Road system located 150 km east of Fort Frances. This will increase crop tree growth rates, thereby reducing the age to rotation. Brush saws will be used to reduce densities from 7000 to 18000 per ha to 1500 to 1800 stems per ha. Highrock Forest SFL.

PROJECT NUMBER 344-1-R10

Applicant Ottawa Valley Forest Inc.
 Type Intensive conifer stand management to establish red and white pine forests to meet critical wood supply shortfalls.
 Funding Approved \$207,500 over three years. (\$70,000 for 2000-01 and \$137,500 for 2001-02)
 Description This project consists of establishing red and white pine plantations of 250 ha of not-satisfactorily regenerated areas in Renfrew County. Mechanical site preparation will be carried out in the understory of pine stands harvested as seeding cuts under the uniform shelterwood and clear-cut with seed tree systems. Red and white pine seedlings will be planted at densities of 1500 trees per ha the following year. This work will provide short-term employment and contribute to pine sawlog shortages. Ottawa Valley Forest SFL.

PROJECT NUMBER 345-1-R10

Applicant Ottawa Valley Forest Inc.
 Type Intensive conifer stand management to space suppressed pine, oak, and hemlock to meet predicted shortfalls in sawlog material.
 Funding Approved \$106,250 for one year. (2000-01)
 Description This project consists of manually cleaning (using brush saws and chain saws) young plantation and naturally regenerating red and white pine, red oak and hemlock stands in Pembroke District. These stands were harvested between 1985 and 1993 under the clear-cut and uniform shelterwood silvicultural systems. They include sites left as spray buffers during previous aerial spray and ground spray programs. This project will release crop trees and contribute to the future critical supplies of pine and red oak. In the short term it will provide silvicultural training and employment for the local work force including opportunities for two local First Nations communities. Ottawa Valley Forest SFL.

PROJECT NUMBER 347-2-R10

Applicant Algonquin Forest Authority
 Type Silvicultural remediation of areas depleted by wind.
 Funding Approved \$149,758 over two years. (\$145,407 for 1999-00; \$4,351 for 2000-01)
 Description Downbursts in July 1999 damaged over 1000 ha of timber on the east side of Algonquin Park. This project consists of mechanically site preparing (straight blade) 630 ha of the wind-damaged sites and subsequent planting of red, white and jack pine on these prime sites. This will provide local employment for silvicultural workers, a market for seedlings produced by the Makwa Community Development Corporation of the Algonquins of Golden Lake First Nation, and contribute to future conifer wood supplies. Algonquin Park.

ROUND ELEVEN PROJECTS

PROJECT NUMBER 350-1-R11

Applicant Greenmantle Forest Inc.
Type Intensive stand management, specifically to establish plantations to increase timber production where critical shortages occur, in particular shortages of red and white pine.
Funding Approved \$125,318 for one year. (2000-01)
Description This project consists of two components: 1). To mechanically scarify (TTS disc trencher or bracke) 800 ha of cutover in preparation for planting red pine, jack pine and spruce seedlings in the spring of 2001, and 2) The early fall ground application of herbicide (Vision®) at concentrations of 2 to 3 percent herbicide solution per ha to release 111 ha of suppressed spruce, jack pine and red pine plantations, including buffer areas excluded from an aerial spray program (Project #305-1-R9). This work, adjacent to Thunder Bay and Nipigon will increase conifer yields by 134,838 cu m plus additional wood from future commercial thinnings over the next 20 to 40 years. It will also provide 130 work-days for local contractors. Planting will be done by the company. Lakehead Forest.

PROJECT NUMBER 351-1-R11

Applicant Atikokan Forest Products Ltd.
Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of jack pine plantations.
Funding Approved \$84,744 for one year. (2000-01)
Description This project consists of moto-manually tending 132 ha of spruce, red pine and jack pine plantations established in the early- to mid- 1980's and spacing 132 ha of dense jack pine (6000 stems per ha) plantations that were damaged during a November 1998 ice storm down to an average spacing of 2500 stems per ha. This project will provide local employment and contribute to projected shortfall for conifer to mills in Atikokan and Fort Frances. Sapawe Forest.

PROJECT NUMBER 352-1-R11

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of jack pine plantations.
Funding Approved \$200,880 for one year. (2000-01)
Description This project consists of manually spacing 600 ha of dense (6000 to 15,000 stems per ha) 9 to 15-year old jack pine mixedwood plantations to densities of 1500 to 1800 stems per ha in order to increase the rate of growth of crop trees. This will help meet projected critical shortfalls in jack pine, red pine, and spruce sawlog supply and will provide local employment to both Aboriginal, Metis, and other local contractors. Highrock Forest.

PROJECT NUMBER 353-1-R11

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically the pre-commercial thinning of young jack pine plantations.
Funding Approved \$30,780 for one year. (2000-01)
Description This project consists of manually spacing 90 ha of dense (6000 to 12,000 stems per ha) of 14 to 16-year old Site Class 2 jack pine plantations to 1400 to 1800 stems per ha in order to increase the rate of growth of crop trees. The project, located 20 km south-east of Atikokan, will provide local employment for silvicultural workers and will contribute to future critical pine wood supply for the local mills. Fort Frances/Flanders Forest.

PROJECT NUMBER 358-1-R11

Applicant Dubreuil Forest Products Ltd.
Type Intensive stand management to meet a future critical wood shortage, specifically the aerial tending of post-fire reestablished conifer plantations.
Funding Approved \$29,825 for one year. (2000-01)
Description This project consists of the aerial application of Vision® herbicide at a rate of 5 L of product per ha to release of 546 ha of jack pine regeneration from competing vegetation. These plantations were established following a 1995 wildfire (Project #117-2-R2). This project will provide a projected 140 cu m per ha of pine sawlogs within 60 years, contributing to the softwood supply to the Dubreuilville sawmill. Magpie Forest.

PROJECT NUMBER 362-1-R11

Applicant Nipissing Forest Resource Management Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically spacing 15 to 30-year old red pine plantations.
Funding Approved \$183,150 for one year. (2000-01)
Description This one year project supports manually thinning (with brush saws) 407 ha of red pine plantations in the Nipissing Forest to increase the rate of growth of crop trees. This project provides an estimated 5073 person days of

employment for the local First Nations Communities in the North Bay and Temagami areas. It also contributes to the projected wood supply gap for red pine sawlogs which feed mills in Mattawa, Sturgeon Falls and Monetteville. Nipissing Forest SFL

PROJECT NUMBER 369-2-R11

Applicant Algonquin Forest Authority
Type Silvicultural remediation of areas affected by the forces of natural depletion in this case heavy winds, often referred to as downbursts.
Funding Approved \$ 46,583 for one year. (2001-02)
Description This project consists of mechanical site preparation, stock purchase and planting white and red pine on 210 ha of blowdown in the northeast section of Algonquin Provincial Park. Benefits include the provision of local employment in partnership with the Makwa Community Development Corporation of the Algonquins of Golden Lake First Nation for nursery stock production and silvicultural work. The project also contributes to meeting shortages in white and red pine sawlog supply. Algonquin Park.

PROJECT NUMBER 371-1-R11

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to meet a future critical wood shortage, specifically spacing 15 to 30 year-old jack pine plantations.
Funding Approved \$51,461 for one year. (2000-01)
Description This project involves manually thinning of overstocked jack pine to accelerate growth on already well developed straight but slender stems on 173 ha. It will be thinned to 1700 stems per ha. This area was tubeplanted in 1974. This activity will provide local short-term employment. It will reduce rotation ages thereby contributing to meeting the projected shortfall in pine sawlog material. Iroquois Falls Forest SFL.

ROUND TWELVE PROJECTS

PROJECT NUMBER 388-2-R12

Applicant Algonquin Forest Authority
Type Silvicultural remediation of areas depleted by wind.
Funding Approved \$43,508 over 2 years. (\$28,280 in 2001-02; \$15,228 in year 2)
Description Downbursts in July 1999 damaged over 1000 ha of timber on the east side of Algonquin Park. This project consists of mechanically site preparing (straight blade) 65 ha of the wind-damaged area and planting 118,000 red, white and jack pine on these prime sites. This will provide local employment for silvicultural workers, a market for seedlings produced by the Makwa Community Development Corporation of the Algonquins of Golden Lake First Nation, and contribute to future conifer wood supplies. Algonquin Park MU.

PROJECT NUMBER 389-3-R12

Applicant Ministry of Natural Resources
Type Protection of areas depleted by insects.
Funding Approved \$42,000 for 2000-01.
Description This project consists of conducting ground and aerial surveys to identify spot infestations of pine shoot beetle. This will provide the information to establish a containment program to prevent the spread of this beetle which can lead to mortality of Scot's pine and native pines. This project provides employment to technical staff and contributes to protecting the pine wood supply in the Parry Sound area. Parry Sound District.

APPENDIX 5

FIELD VISIT REPORTS

ALGONQUIN FOREST
AND
HALIBURTON FOREST

Project Nos.	#347-1-R10; #369-2-R11 and #388-2-R12
Date of Field Visit:	25-26 October 2001
Location:	Algonquin Forest - Haliburton Forest
Participants:	John Naysmith, Maureen Kershaw, Mike Barker, Rod Carrow, Bob Pick and Danny Jenke

Project Description

A site visit was made to Blowdown Salvage Renewal sites funded by FFT. The forest was accessed by the Bissett Road. The blowdown (downbursts) occurred on 05 July 1999 on sites in eastern portions of Algonquin Provincial Park. Operations in the blowdown led to higher costs to recover salvage volumes, but higher total revenue due to increased fibre extraction. Sites that had been treated from a 1983 windstorm were also viewed and these sites are now free to grow. The trees harvested in the salvage were directed to several mills. Poplar products are directed to Grant Timber with pine products supply wood to Murray Bros. and Shaw.

Examples of well laid out 17 m skid trails were common. In the past (1960's) 33 m wide strip cuts were placed in the forest with unsuccessful regeneration. Narrower strips (20 m) met with greater success. Good success has been met using the four-pass system in the Park with cuts at age 60, 80, 100 and 120. The second stop on the site visit was to a site which had been cut in 1960 (diameter cut), with a final cut in 1998. Most of the forests in the Park average 100 years of age. Uniform shelterwood is the most common silvicultural system applied to white and red pine forests (80:20 percent) in the Park.

Stops were also made to observe regeneration on red oak sites. The group discussed alternative strategies for pine and red oak regeneration on different site types and under different harvesting systems in the forest.

A site visit to blowdown sites in the Haliburton Forest followed on the second day of the site visit. Examples of post-salvage regeneration in tolerant hardwoods and Eastern hemlock forests provided a contrast to the pine forests of the Park. Natural regeneration varied with site conditions.

Project: Algonquin Forest Authority (AFA)	Years: 2000/2002 (2 years)
No: 347-1-R10; 369-2-R11; 388-2-R12	

Treatment: Mechanical site preparation and planting for conifer regeneration	Area: 6265 ha (double what was planned)
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Description of the Area: The areas that will be treated are post-salvage cuts in an area heavily damaged by wind in July 1999. The post-harvest conditions are "very clear" with most of the timber removed in the full-tree logging process.

Description of Work: Mechanical site preparation using a straight blade with a dozer was completed where required. Container stock was provided by Millson Forest Service, Timmins, and bare root red pine was provided by Forest Care Wawa and bare root jack pine by Makwa Community Development.

Cost and all supervisory salary and vehicle costs associated with the project were paid by AFA. Funds spent from the Trust Fund are \$247.48 for site preparation, \$329.72 for stock purchase and \$339.63 for planting.

Future Wood Supply: The project will make a positive impact on the local conifer wood supply and increase the annual revenue from timber extraction for the Algonquin Forest Authority. The forest established through this project is expected to provide quality pine sawlogs in the future.

Social Benefits: Salvage logging provided work for local logging contractors from nearby communities including the Golden Lake First Nation. In addition, stock produced by the Makwa Community Development Corp. is used in the regeneration program. The partnership with local operators has a long history and has been very successful.

Comments from Company to the Forestry Futures Committee: The staff indicated that the application process was effective and that funding provided from the Trust has positively contributed to re-establishing conifer forests in the Algonquin Forest. The group discussed the harvesting activities occurring in Algonquin Forest and the challenge of meeting the needs of multiple stakeholders in the Park. Solutions include variations in timing of operations and taking care to conduct operations in a careful and well-planned manner.

Attachments: Photographs taken (by Maureen Kershaw) during the site visit show the shelterwood white and red pine post-harvest conditions.