

**The 2005 Report
Forestry Futures Committee**

**Tenth
Anniversary
Edition**

Ontario Forestry Futures Trust

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The 2005 Report
of the
Forestry Futures Committee

Forestry Futures Trust
Ontario

24 October 2005

The Honourable David Ramsay
Minister of Natural Resources
Government of Ontario
Whitney Block
99 Wellesley Street West
Toronto, ON M7A 1W3

Dear Mr. Minister:

The Forestry Futures Committee met for the first time in February 1995. Over the following ten years, including the 12 months covered by this Annual Report, the Committee met on more than 150 occasions. During that time 578 silviculture applications were submitted to the Committee by Sustainable Forest Licence (SFL) holders of which 405 received Forestry Futures Trust funds in the amount of \$130.0 million. Of this total, 45 percent (\$59.0 million) was allocated to the northwest, 40 percent (\$51.0 million) to the northeast, and 15 percent (\$20.0 million) to the southern region. The total applicant contribution for the ten-year period was \$30.0 million, or 19 percent of the full cost of the 405 funded projects; 380,000 hectares were treated. It is interesting to note that applicant contribution for the year covered by this Annual Report was 33.6 percent.

As part of the follow-up monitoring and evaluation of funded projects over the ten-year period, some 700 Project Work Reports were reviewed, and responded to, by the Committee. In addition to reviewing Project Work Reports, Committee members undertook field visits to Forestry Futures projects across the province.

The administration and management of Ontario's Independent Forest Audit (IFA) program is another component of the Forestry Futures Committee's mandate. A total of 95 audits have been conducted, at a cost of \$8.7 million, since the Committee assumed IFA program responsibilities. Those responsibilities include the selection of the audit firms, the review of Draft Final Audit reports (numbering 95 to date) and the provision of observations to the audit firms on each of the reports.

In 2005 the Forestry Futures Committee assumed another responsibility, the Enhanced Forest Productivity Science program. The Round One Request for Proposals resulted in a total of 70 applications being submitted to the Committee. Twenty-eight were funded in the amount of \$4.5 million. Matching funds of \$7.7 million were generated by the applicants and partners. Each successful applicant is obligated to submit an annual work report to the Committee for the duration of their respective projects.

In addition to the Enhanced Forest Productivity Science program, the Independent Forest Audit and the Silviculture programs the Forestry Futures Committee was also involved in the Sustainable Forest Licence Conversion program in which 22 SFL Conversion proposals received funding; the \$6.7 million, six-year Forest Resource Inventory Completion project; and the \$2.0 million Far North Forestry Development initiative. The Committee and MNR are about to begin discussions concerning the role of the Committee with respect to an additional \$10.0 million per year that is projected to go into the Trust to fund the new Forest Resource Inventory program.

This, the 2005 Annual Report, marks the tenth such Report that I have had the privilege of submitting on behalf of the Forestry Futures Committee. As it will also be my last I would like to close on a somewhat personal note.

As Founding Chair of the Forestry Futures Committee it was my good fortune first, to be entrusted with an exceptionally sound concept - the Forestry Futures Trust; and second, to have the pleasure of working with a group of dedicated Committee members who were prepared to advance the idea of the Trust from the conceptual stage to the implementation stage and hence to the on-site project stage. It has been a pleasure to work with Mike Barker, Rod Carrow, Maureen Kershaw, the late Jack Stokes and Margaret Wanlin and to receive their constant co-operation, strong professional input and dedication to making an innovative concept a success.

It has also been a pleasure to work with the Committee's clientele - the dedicated practitioners across Ontario who actually do the work in the field. Their high level of success and the quality of their work is, in the vast majority of cases, worthy of considerable note. The fact that they rarely receive such recognition has not affected their continuing dedication. We can all be grateful for that.

The Forestry Futures Committee is today a proven product. I am grateful to have been given the opportunity to play a role in its success. I wish the Committee and its Secretariat well in all future endeavours.

Yours sincerely,

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

Forestry Futures Committee

John Naysmith R.P.F., Chair

Mike Barker, Member

Rod Carrow R.P.F., Member

Maureen Kershaw R.P.F., Member

Margaret Wanlin, Member

***Ken VanEvery R.P.F., Sarah Bros R.P.F., Matthew Hollands R.P.F.,
Independent Forest Audit***

Thom McDonough, Diane Black, Secretariat

Diane Dixon, Administrative Support

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INTRODUCTION

The 2005 Annual Report of the Forestry Futures Committee marks the tenth year of operation of Ontario's Forestry Futures Trust. The Trust was established under the authority of an amendment to the *Crown Timber Act*; that amendment was subsequently carried forward in Part V of the *Crown Forest Sustainability Act* (1995).

The Trust Fund is managed by the Trustee, RBC Global Services of Canada (now RBC Dexia Investor Services Trust) 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)

Other purposes specified by the Minister for which Trust funds are currently being used include: the Independent Forest Audit Program, the Enhanced Forest Productivity Science Program and the Reclamation of Class Z or Category 1 lands.

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.

COMMITTEE BUSINESS

The Committee's mandate in the year 2004-05 was expanded with the establishment of two new undertakings namely the Enhanced Forest Productivity Science program and the Far North Forestry Development initiative. In addition the Committee continued with the previous responsibilities related to Stand Management, Remediation and Protection projects and the Independent Forest Audits.

The Forestry Futures Trust: Stand Management, Remediation and Protection Applications

Table 1 below shows the number of applications and approvals by Rounds for 2004-05.

Table 1: Number of Applications and Approvals Fiscal Year 2004-05				
ROUND NUMBER	CALL FOR PROPOSALS	DATE OF REVIEW	NUMBER OF APPLICATIONS	
			RECEIVED	APPROVED
20	25 June 2004	20-22 October 2004	24	19
21	20 December 2004	07-08 March 2005	20	15
TOTAL			44	34

Table 2 below shows the distribution of funding for approved applications by category for Rounds 20 and 21.

Table 2: Summary of Funds Approved by Category						
ROUND NUMBER	CATEGORIES					TOTAL
	1. Stand Imp.	2. Remediation	3. Protection	4. Other*	5. Class "Z"	
20	6,634,264	3,386,367	0	487,090	48,243	10,555,964
21	902,700	5,906,131	38,562	0	41,500	6,888,893
TOTAL	7,536,964	9,292,498	38,562	487,090	89,743	17,444,857
PERCENT OF TOTAL FUNDS APPROVED	43.20	53.27	0.22	2.79	0.51	100.00

* #555-4-R20 - Forest Genetics - Tree Improvement \$170,090.00

#556-4-R20 - Forest Co-op, Growth and Yield Permanent Growth Plot Program \$317,000.00

The Committee received a total of 44 applications for projects requesting funding in the amount of \$22,054,735. Of these, 34 were approved for a total of \$17,444,857 as is noted in Table 2 above.

Table 3 summarizes the number of licensee applications by category, the level of funding requested and the region.

Table 3: Summary of Applications for Rounds Twenty and Twenty-One					
Category		Number of Applications		Total Funding Dollars	
		Received	Approved	Requested	Approved
STAND IMPROVEMENT¹					
	NORTHEAST REGION	10	8	4,390,463	4,212,775
	NORTHWEST REGION	6	6	2,749,829	2,595,789
	SOUTHERN	2	2	728,400	728,400
STAND IMP. TOTAL		18	16	7,868,692	7,536,964
REMEDICATION²					
	NORTHEAST	6	3	4,389,756	3,714,597
	NORTHWEST	10	10	5,631,976	5,577,901
	SOUTHERN				
REMEDICATION TOTAL		16	13	10,021,732	9,292,498
PROTECTION³					
	NORTHEAST				
	NORTHWEST				
	SOUTHERN	1	1	38,562	38,562
PROTECTION TOTAL		1	1	38,562	38,562
OTHER⁴					
	NORTHEAST	1	0	1,500,218	0
	NORTHWEST	2	0	290,210	0
	SOUTHERN				
	PROVINCE WIDE	4	2	2,245,578	487,090
OTHER TOTALS		7	2	4,036,006	487,090
CLASS "Z" LANDS⁵					
	NORTHEAST	1	1	48,243	48,243
	NORTHWEST	1	1	41,500	41,500
	SOUTHERN				
	CLASS "Z" LANDS TOTALS	2	2	89,743	89,743
ALL REGIONS		44	34	22,054,735	17,444,857

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 for other purposes as determined by the Minister

5. Silviculture activities required to bring Class Z lands back to free to grow state

Table 4: Summary of Committed and Available Funds (1994-2008) As at Fiscal Year 2004-2005

FUTURES	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
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	11,094,382	9,365,981	12,729,368	11,155,733	11,299,684	10,000,000	10,000,000	10,000,000
Unallocated from previous year		7,141,676	8,111,543	3,915,512	7,117,908	12,511,080	10,081,736	12,539,111	13,460,651	20,785,171	21,261,229	18,544,096	9,742,807	5,743,213
Investment Income		675,825	571,434	237,001	610,900	500,031	844,535	1,267,374	1,417,583	1,508,352	299,384			
Profit/Loss		23,556	98,386	-22,913	-6,018	-117,502	53,429	91,013	4,881	65,336	-51,136			
Monies approved but not spent		363,901	310,180	3,531,826	2,283,719	1,441,595	3,243,195	1,643,412	2,794,179	1,912,564	902,241	93,238		
TOTAL FUNDS AVAILABLE	7,141,676	13,749,339	17,253,032	17,306,116	20,077,501	24,236,682	25,317,277	24,906,891	30,406,662	35,427,156	33,711,403	28,637,334	19,742,807	15,743,213
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						
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								367,127	1,740,721	1,220,591	766,250			
Round 15									2,268,432	2,874,451	1,123,055			
Round 16									338,413	2,691,932	2,410,228	1,365,826		
Round 17										3,523,222	4,763,893	3,018,636		
Round 18										1,648,820	1,072,765	764,826	42,970	
Round 19											2,765,867	2,431,680	1,237,269	
Round 20												5,291,742	2,963,609	2,300,613
Round 21												1,988,017	3,240,871	1,660,005
TOTAL OF ALL ROUNDS	0	5,536,090	13,231,473	9,347,788	6,977,429	12,985,431	11,193,644	9,768,520	8,431,979	13,094,952	12,902,058	14,860,727	7,484,719	3,960,618
Independent Forest Audit Fees				670,694	346,505	943,957	1,401,225	1,562,930	877,124	739,606	1,144,739	1,300,000	1,400,000	1,100,000
Trustee Fees and Expenses		40,381	32,391	47,432	97,182	115,456	71,303	0	0	15,079	79,119	85,000	85,000	85,000

Table 4: Summary of Committed and Available Funds (1994-2008) As at Fiscal Year 2004-2005

FUTURES	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Committee Exp.		61,325	73,656	122,294	145,305	110,102	111,994	114,790	312,388	316,290	341,391	350,000	350,000	350,000
Memberships *											700,000	700,000	700,000	
Enhanced Forest Productivity Science Program														
Round 1												1,598,800	1,679,875	1,298,325
Round 2												0	2,300,000	0
TOTAL EXPENSES	0	101,706	106,047	840,420	588,992	1,169,515	1,584,522	1,677,720	1,189,512	1,070,975	2,265,249	4,033,800	6,514,875	2,833,325
TOTAL COMMITTED FUNDS	0	5,637,796	13,337,520	10,188,208	7,566,421	14,154,946	12,778,166	11,446,240	9,621,491	14,165,927	15,167,307	18,894,527	13,999,594	6,793,943
CURRENT YEAR BALANCE	7,141,676	8,111,543	3,915,512	7,117,908	12,511,080	10,081,736	12,539,111	13,460,651	20,785,171	21,261,229	18,544,096	9,742,807	5,743,213	8,949,270

**Note: * Commitments by Minister of Natural Resources:
Membership to Forintek and Forest Genetics Ontario; and
Funding for Enhanced Forest Productivity Science Program**

Applicants' Contributions

For Rounds 20 and 21, project applicants' contributions amounted to \$8,811,974 or 33.56 percent of the total cost of the projects approved for Forestry Futures Trust funding, see Table 5 below.

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: Percentage of Applicants' Contributions in Rounds Twenty and Twenty-One for Approved Applications Only				
Round and Category	Total			
	Funds Requested	Applicants' Contributions	FFT Approved	Percent¹
Round 20				
1. Stand Improvement	6,851,752	2,716,612	6,634,264	29.05
2. Remediation	3,427,938	1,069,674	3,386,367	24.01
5. Class "Z" Lands	48,243	13,823	48,243	
6. Other	3,854,756	2,208,425	487,090	
Total for Round 20	14,182,689	6,008,534	10,555,964	36.27
Round 21				
1. Stand Improvement	1,016,940	734,632	902,700	44.87
2. Remediation	6,593,794	1,879,837	5,906,131	24.14
3. Protection	38,562	1,610	38,562	4.01
5. Class "Z" Lands	41,500	4,286	41,500	9.36
6. Other	181,250	183,075	0	
Total for Round 21	7,872,046	2,803,440	6,888,893	28.92
Total for Rounds 20 and 21	22,054,735	8,811,974	17,444,857	33.56

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

The Independent Forest Audit (IFA) Program

The 2004-2005 Independent Forest Audit program was successfully implemented and resulted in the completion of eight independent forest audits. The lead role for the administration and management of the IFA Program was transferred from MNR to the Forestry Futures Committee in 2002. Committee responsibilities include: selecting audit firms; approving the allocation of funds to the successful audit firms; contract management; communications with the audit firms and key audit participants; attending audit meetings and field examinations; ensuring the audit program is implemented according to the IFA process and protocol; reviewing all draft reports and ensuring final reports are of the highest quality. The Committee also provides recommendations to MNR concerning revisions to the audit program and IFA process and protocol, coordinates auditor orientation sessions, and makes recommendations to the Minister of Natural Resources as appropriate.

For the 2004-2005 IFA program the Committee reviewed proposals from five audit firms to conduct

Independent Forest Audits. The Committee selected four audit firms to undertake eight audits as follows:

KBM Forestry Consultants Inc.: Big Pic Forest, Kenora Forest, Whiskey Jack Forest and Mazinaw-Lanark Forest

BioForest Technologies Inc.: Timiskaming Forest and Lakehead Forest

Arborvitae Environmental Services Ltd.: Caribou Forest

Arbex Forest Resources Consultants Ltd.: Trout Lake Forest

Seven of the eight audit reports identified some deficiencies but overall the auditors found well managed, sustainable forests and recommended license extension. In one case, the audit firm identified significant shortcomings which resulted in a conditional license extension recommendation. In all eight reports, audit recommendations and suggestions were issued by the audit teams to address the identified deficiencies. These recommendations and suggestions will be addressed in an Action Plan developed by MNR and the relevant forest company and local citizens committee. Final audit reports were submitted to MNR by June 2005 and at the time of writing this Annual Report are waiting to be tabled in the Legislature so the results can be made available to the public.

Enhanced Forest Productivity Science Program

The Enhanced Forest Productivity Science (EFPS) program was established in January 2005 as a three-year initiative with an allocation of \$2.3 million per year from the Forestry Futures Trust (FFT) fund. Funds from the EFPS program are available to applicants through an open bidding process. The funds are intended to support forest research that will enhance forest productivity and benefit forest sustainability on Crown lands in the province of Ontario.

The Committee issued a Request for Proposal in February 2005 and had completed project selection by mid-April. Of the 70 applications received, 28 projects were funded or partially funded for a total of \$4.58 million. Annex 5 of this Report lists each of the 28 funded projects including the project title, the applicant organization and the level of funding. The implementation of these 28 projects will be reported on in the 2006 Annual Report.

Far North Forestry Development Initiative

On 15 June 2005 the Ministry of Natural Resources announced that the Ontario government would provide \$2.0 million to be used by far north First Nation communities. These funds will support projects related to land use planning and the collection of background information necessary to evaluate the feasibility of commercial forestry in the far north. The funds have been assigned to the Forestry Futures Trust for disbursement.

The Committee established the following purpose for this funding initiative: *“To provide funds to First Nations working with MNR’s Northern Boreal Initiative to engage in work related to consultation activities, community-based land use planning, and the collection of Aboriginal and forest values in support of forest-based economic development in the forest, including commercial forestry.”*

COMMITTEE OPERATION

Activities

The full Committee met 23 times during the year, 12 of those meetings were by teleconference. It should be noted that only at face to face meetings with all Committee members in attendance were the 'silviculture, remediation, protection' applications and the EFPS proposals reviewed and decisions reached. In addition to the 23 full Committee meetings there were more than ten occasions when one or more Committee members participated in a specific field trip or a field audit and related meeting.

Between meetings there was a large number of exchanges between the Chair and applicants, project managers, auditors, MNR staff, and among Committee members, by e-mail and/or phone, to conduct Committee business, including the preparation of draft letters, recommendations, analyses and related reports (see Appendix 6 for a sample field visit report).

Committee Budget

The following is a statement of the Committee's operating budget for the period 01 April 2004 to 31 March 2005.

Table 6: Forestry Futures Committee Operating Budget 2004-05

Budget Item	Amount
Available Funds	
Received from the <i>Forestry Futures Trust</i>	319,156.00
Prior Year unspent budget	48,858.60
Total funds available 2004 - 2005	368,014.60
Expenditures	
Meetings	74,203.12
Per diems - Committee	96,203.48
Per diems - Professional Staff	100,702.39
Admin Support	22,046.17
Supplies (tel/fax, photocopying, courier, postage, paper and supplies)	14,283.02
Equipment/Signage	4,938.48
Overhead	29,014.00
Total Expenses	341,390.66
Funds remaining in Operating Budget at 31 March 2005	26,623.94

Prepared by: Lakehead University Financial Services

The Ministry of Natural Resources

Since its inception in 1995 the Forestry Futures Committee has enjoyed a productive working relationship with Ministry of Natural Resources staff. As the Committee's mandate expanded over the decade, the lines of communication and the number of Ministry contacts correspondingly increased.

In this regard the Ministry Secretariat, comprising Mr. Thom McDonough and Ms. Diane Black, continues to fulfill its role while at the same time honouring the principle of Committee independence on all matters related to funding allocations for silviculture and related projects.

Other MNR staff with whom the Committee confers while carrying out its mandate includes the following:

- Mr. Robert Mears, Ms. Betty van Kerkhof and Mr. Bill Morrison; the Independent Forest Audit (IFA) program
- Mr. John Sills; the Far North Forestry Development initiative, and
- Messrs. Frank Kennedy and Joe Kapron; the Forest Resource Inventory program (under development at the time of writing)

Other Committee Support

Assisting the Committee in fulfilling its responsibilities is a small team reporting to the Chair, namely:

- Mr. Ken VanEvery, IFA Coordinator and Ms. Sarah Bros and Mr. Matt Hollands, IFA Analysts
- Mr. Ken VanEvery, Enhanced Forest Productivity Science program, Coordinator, and
- Ms. Diane Dixon, Administrative Assistant

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 2004-2005, see Appendix 1.

m. kershaw

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

FORESTRY FUTURES TRUST NOTES TO FINANCIAL STATEMENTS

Report to be added

APPENDIX 2

Stand Management, Remediation and Protection

ON-GOING PROJECTS

**ROUNDS TWELVE, FOURTEEN,
FIFTEEN, SIXTEEN, SEVENTEEN,
EIGHTEEN AND NINETEEN**

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 7,000 stems per ha to 1,700 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 Frances Flanders Forest MU.

PROJECT NUMBER 387-1-R12

Applicant Bancroft-Minden Forest Company 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 in 2001-02; \$27,510 in 2002-03, \$27,090 in 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 FOURTEEN PROJECTS

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 1,500-1,800 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 1,500 -1,800 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 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/ha to 232 cu m/ha. Black Sturgeon Forest.

PROJECT NUMBER 417-2-R14

Applicant Ontario Ministry of Natural Resources/Tembec Industries Inc.
 Type Silvicultural remediation of areas depleted by natural causes.
 Funding Approved \$309,770 (\$109,577 in 2002-03; \$102,792 in 2003-04; \$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.

ROUND FIFTEEN PROJECTS**PROJECT NUMBER 427-1-R15**

Applicant Abitibi-Consolidated Inc.
 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 5,000 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 430-2-R15

Applicant Weyerhaeuser Company 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 1,050 person-days of employment for silvicultural workers and contribute to conifer wood supplies. Trout Lake Forest.

PROJECT NUMBER 431-2-R15

Applicant Weyerhaeuser Company Ltd.
 Type Silvicultural remediation of areas depleted by spruce budworm.
 Funding Approved \$146,47 (\$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 1,480 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 1,800 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 438-1-R15

Applicant Weyerhaeuser Company 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 1,500 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 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 Company
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 5,100 ha of Great Lakes-St. Lawrence Tolerant Hardwood Forests. Bancroft-Minden Forest.

PROJECT NUMBER 444-1-R15

Applicant Algonquin Forest Authority 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 \$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 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 1,850 to 2,500 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.

ROUND SIXTEEN PROJECTS

PROJECT NUMBER 450-1-R16

Applicant Bowater Pulp and Paper Canada Inc.
Type Intensive stand management to release black spruce and jack pine to increase timber production where critical shortages occur.
Funding Approved \$264,000 (\$88,000 per year over three years commencing in 2003-04).
Description Ground tending of 600 ha of planted and seeded jack pine and black spruce in the Caribou East Parcel of the Black Sturgeon Forest to reduce densities from 5,000 to 9,000 stems per ha down to a target of 2,300 stems per ha. This will provide local employment for silvicultural contractors including aboriginal workers and will contribute to future jack pine and black spruce sawlog and fiber supplies. Black Sturgeon Forest.

PROJECT NUMBER 451-1-R16

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to release black spruce, white spruce and jack pine to increase timber production where critical shortages occur.
Funding Approved \$510,000 (\$180,000 in 2003-04 and 2004-05; \$150,300 in 2005-06).
Description The Whiskey Jack Forest Stand Improvement project consists of manually spacing, with brush saws, 900 ha of 10 to 17 year-old seeded and planted jack pine and black spruce from densities of 3,500 to 15,000 stems per ha down to a target density of 2,100 to 2,500 stems per ha. This will provide local employment for silvicultural contractors including aboriginal workers and will contribute to future jack pine and black spruce sawlog and fiber supplies. Whiskey Jack Forest.

PROJECT NUMBER 453-2-R16

Applicant Bowater Pulp and Paper Canada Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$1,380,685 (\$902,135 in 2003-04; \$463,550 in 2004-05 and \$15,000 in 2005-06).
Description This project consists of mechanical site preparation on harvest salvage blocks and planting jack pine, black spruce, red and white pine on 2,357 ha in the Nipigon 10 bum areas. Aerial or ground tending will be applied if required to control future competition. This will provide local employment for residents of Dorion and Nipigon area residents and provide future conifer wood supplies. The project is located south of Lake Nipigon east of black Sturgeon Lake. Black Sturgeon Forest.

PROJECT NUMBER 454-2-R16

Applicant Bowater Pulp and Paper Canada Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$1,687,500 (\$562,500 per year over three years commencing in 2003-04).
Description This project will manually and mechanically space 4,500 ha of dense 10 to 20 year-old jack pine down to 2,000-2,500 stems per ha in stands damaged by a 1999 severe wind event. This project will provide 3,000 person-days of employment to the local silvicultural contractors including those from First Nations. It will increase the local conifer sawlog supply. Dog River-Matawin Forest.

PROJECT NUMBER 455-2-R16

Applicant Red Lake Forest Management Company Ltd.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$10,358 in 2002-03.
Description This project consists of aerially seeding 200 ha of 2 to 8 year-old aerially seeded jack pine plantation destroyed by wildlife in July 2002. This project will contribute to the future conifer wood supply. Red Lake Forest.

PROJECT NUMBER 456-2-R16

Applicant Greenmantle Forest Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$134,579 in 2003-04.
Description This project consists of mechanically site preparing 361 ha followed by planting jack pine and black spruce on 442 ha of blowdown salvage in 2003. This project will provide local employment for silvicultural contractors and is predicted to provide 110,000 cu m of conifer yield. Lakehead Forest.

PROJECT NUMBER 458-2-R16

Applicant Abitibi-Consolidated Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$238,043 in 2002-03.
Description The Pudney Burn project consists of planting jack pine and black spruce in a salvage-harvested area burned by a 1998 lightning strike. A 235 ha area will be scarified prior to planting. The project will create silvicultural work for contractors in the Thunder Bay District, provide merchantable chips from the salvage operation and contribute to future conifer fibre and sawlog supply. Spruce River Forest.

PROJECT NUMBER 459-1-R16

Applicant Dubreuil Forest Products Ltd.
Type Intensive stand management to manually space juvenile jack pine to increase timber production where critical shortages occur.
Funding Approved \$25,410 in 2002-03.
Description This project consists of manually spacing, with brush saws, 77 ha of 18 year-old jack pine plantation in Atkinson Twp 30 km north of Dubreuilville to reduce stand density from 6,000 stems per ha to 800 to 1,000 stems per ha. This will accelerate the growth rate of crop trees and contribute to sustaining the local sawmill. Magpie Forest.

PROJECT NUMBER 460-1-R16

Applicant Clergue Forest Management Inc.
Type Tolerant hardwood stand improvement to increase quality yellow birch sawlog and veneer production where critical shortages occur.
Funding Approved \$61,280 (\$30,640 per year over two years commencing in 2003-04).
Description This tolerant hardwood stand improvement project consists of marking and cutting competing stems to space yellow birch crop trees down to a density of 250 crop trees per ha on 160 ha of dense yellow birch tolerant hardwood stands. This treatment will release the crop trees to accelerate growth and contribute to future yellow birch sawlog and veneer supply. The project also provides employment for local silvicultural workers during spring breakup. Algoma Forest.

PROJECT NUMBER 461-1-R16

Applicant Clergue Forest Management Inc.
Type Tolerant hardwood stand improvement to increase quality hardwood sawlog and veneer production where critical shortages occur.
Funding Approved \$450,000 (\$225,000 per year over two years commencing in 2003-04).
Description The tolerant hardwood stand improvement project consists of marking and cutting low quality stems on 6,000 ha of degraded hard maple forests. This treatment will prepare stands for a commercial harvesting in 20 to 25 years. This project will provide training and local employment for silvicultural workers, contribute to the production of hardwood sawlog and veneer, and contribute to the attainment of biodiversity values in the forest. Algoma Forest.

PROJECT NUMBER 462-1-R16

Applicant Clergue Forest Management Inc.
Type Intensive stand management to thin dense mixed-wood stands to increase timber production where critical shortages occur.
Funding Approved \$63,000 (\$31,500 per year over two years commencing in 2003-04).
Description This project consists of pre-commercially thinning 120 ha over two years, of planted and naturally regenerated white spruce, black spruce, white pine, jack pine and naturally regenerated white birch, hard maple and yellow birch in Nagonash and Roy townships. The treatment will reduce the density from 8,000 stems per ha to 2,000 stems per ha accelerating growth and increasing the future supply of quality sawlog material in mixedwood forests. In addition, this project provides employment for local silvicultural workers. Wawa Forest.

PROJECT NUMBER 463-1-R16

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to manually space juvenile jack pine to increase timber production where critical shortages occur.
Funding Approved \$613,980 (\$188,250 in 2003-04; \$209,100 in 2004-05 and \$216,630 in 2005-06).
Description The Crossroute East Stand Enhancement project is a three project to manually space 1,492 ha of 10 to 15 year-old jack pine on the West Tesup, Manion and Greytrout road systems from 7,200 to 12,000 stems per ha

to 2,200 stems per ha. This project will provide local employment for silvicultural contractors and contribute to future jack pine sawlog and fiber supplies. Crossroute Forest.

PROJECT NUMBER 464-1-R16

Applicant Timiskaming Forest Alliance Inc.
Type Intensive stand management to regenerate black spruce and white spruce to increase timber production where critical shortages occur.
Funding Approved \$1,257,662 (\$304,328 in 2003-04; \$619,938 in 2004-05 and \$333,396 in 2005-06).
Description The Timiskaming Forest Backlog/Barren and Scattered Regeneration project consists of regenerating 963 ha of historic harvest depleted areas and 258 ha of barren and scattered areas through the aerial and ground application of chemical site preparation, mechanical site preparation, and planting 2,133,000 black and white spruce. This will increase the future conifer supply by 29 percent of the annual conifer harvest currently harvested from the area and provide 308 additional days for local silvicultural workers. Timiskaming Forest.

ROUND SEVENTEEN PROJECTS

PROJECT NUMBER 466-1-17

Applicant Abitibi-Consolidated Inc.
Type Intensive stand management to release black spruce and jack pine to increase timber production where critical shortages occur.
Funding Requested \$225,000 (\$75,000 per year over three years commencing in 2003-04).
Description This project consists of ground tending of 900 ha of planted and seeded jack pine and black spruce over three years. Spacing of crop trees will accelerate growth and reduce the time to harvest for merchantable conifer thereby contributing to predicted shortfalls in conifer sawlog supply. It will also provide employment for silvicultural contractors. Spruce River Forest.

PROJECT NUMBER 467-1-R17

Applicant Bowater Pulp and Paper Canada Inc.
Type Intensive stand management to release jack pine to increase timber production where critical shortages occur.
Funding Approved \$1,800,000 (\$400,000 in 2003-04; \$700,000 in each of 2004-05 and 2005-06)
Description The Late Spacing-stand Enhancement on the English River Forest project consists of pre-commercially thinning 4,500 ha of older (15 to 25 year-old) plantations and seeded jack pine areas with manual and mechanical brush saws from densities of 3,000 stems per ha down to a target density of 2,100 to 2,500 stems per ha. This will provide local employment for silvicultural contractors, primarily from Ignace, and will contribute to future jack pine sawlog and fiber supplies. English River Forest.

PROJECT NUMBER 470-2-R17

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wet snow and wind.
Funding Approved \$1,526,463 (\$254,994 in 2003-04; \$606,752 in 2004-05 and \$664,717 in 2005-06).
Description This project consists of mechanical site preparation of 1,860 ha, and planting 2,964,600 black spruce and jack pine on harvest salvage blocks in an area north of Lake Nipigon. These stands were damaged by wet snow and wind in an October storm. This project will increase the local conifer supply and provide employment for local silvicultural contractors. Armstrong Forest.

PROJECT NUMBER 471-2-R17

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

PROJECT NUMBER 472-2-R17

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$262,067 (\$112,689 in 2003-04; \$149,378 in 2004-05).
Description Black spruce and jack pine plantations will be established on 300 ha of forests damaged in a fall 2001 wind and snowstorm. Salvaged sites will be mechanically site prepared prior to planting at densities of 1,800 trees

per ha. The Frank Lake project will increase the local conifer supply and provide employment opportunities for the local silvicultural contractors and the Lake Nipigon Ojibway First Nations. Lake Nipigon Forest.

PROJECT NUMBER 475-2-R17

Applicant Great West Timber Ltd.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$709,259 (\$342,142 in 2002-03; \$317,117 in 2004-05; \$50,000 in 2005-06).
Description The Nipigon Fire 75 project consists of a regenerating plantations and areas slated for natural regeneration that were burned in a July 2002 fire. Pic River Ojibway Forest.

PROJECT NUMBER 476-1-R17

Applicant The Vermillion Forest Management Company Ltd.
Type Intensive stand management to space red pine to increase timber production where critical shortages occur.
Funding Approved \$710,400 (\$163,392 in 2003-04; \$273,504 in 2004-05 and \$273,504 in 2005-06).
Description Manually thinning, with chain saws, 2,160 ha of 21 to 50 year-old red pine plantations surrounding the Greater Sudbury area. This project is jointly funded by Living Legacy Trust. It will contribute to the production of red pine sawlog supplies for six local mills and provide employment for local First Nations forestry workers. Sudbury Forest.

PROJECT NUMBER 477-1-R17

Applicant Domtar Inc.
Type Renewal and tending on Class Y lands to increase timber production where critical shortages occur.
Funding Approved \$663,906 (\$228,901 in 2003-04; \$310,980 in 2004-05; \$124,025 in 2005-06).
Description The Pineland Martel Forest Stand 2003 Rehabilitation project consists of mechanical site preparation and planting 1,065,000 jack pine, black spruce and white spruce seedlings on 167 ha of Class Z and Barren and Scattered lands. This will increase the conifer fibre supply and provide employment for forestry workers. Pineland Martel Forest.

PROJECT NUMBER 478-1-R17

Applicant Domtar Inc.
Type Tolerant hardwood stand improvement to increase quality hardwood sawlog and veneer production where critical shortages occur.
Funding Approved \$129,900 (\$65,100 in 2003-04; \$64,800 in 2004-05).
Description The tolerant hardwood stand improvement project consists of marking and cutting low quality stems on 1,466 ha of degraded hard maple/yellow birch forests. This treatment will prepare stands for a commercial harvesting in 20 to 25 years and provide opportunities for local silvicultural contractors. Northshore Forest.

PROJECT NUMBER 479-1-R17

Applicant Domtar Inc.
Type Intensive stand management to thin dense jack pine plantations to increase timber production where critical shortages occur.
Funding Approved \$150,000 in 2003-04.
Description The Jack Pine Pre-commercial Thinning project consists of tending 300 ha of dense jack pine plantations over three years. The treatment will reduce stand density to 1,500 to 2,200 stems per ha which will accelerate growth and increase the future supply of quality conifer sawlog and fibre. This project is a cooperative project with the Pic Mobert First Nation. White River Forest.

PROJECT NUMBER 481-1-R17

Applicant Hearst Forest Management Inc.
Type Intensive stand management to regenerate plantations to increase timber production where critical shortages occur.
Funding Approved \$2,255,000 (\$385,000 in 2003-04; \$1,045,000 in 2004-05, and \$825,000 in 2005-06).
Description The project would scarify 13,270 ha and plant 29 m black and white spruce, and jack pine seedlings on Class A/ Category 1 Lands. Chemical tending would follow to release crop trees. Hearst Forest

PROJECT NUMBER 484-2-R17

Applicant Tembec Industries Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$204,667 (\$114,982 in 2003-04; \$89,686 in 2004-05).
Description The Departure Lake Aspen Mortality Improvement project consists of site preparing and planting black and white spruce at densities of 1,500 to 1,800 trees per ha on 329 ha 12 km west of Smooth Rock Falls in an

area that was defoliated by tent caterpillar infestations. This will provide silvicultural employment for local contractors including First Nations and contribute to future conifer wood supplies. Smooth Rock Forest.

PROJECT NUMBER 485-1-R17

Applicant Ottawa Valley Forest Inc.
Type Intensive stand management to regenerate white pine to increase timber production where critical shortages occur.
Funding Approved \$144,888 (\$114,680 in 2003-04; \$30,208 in 2004-05).
Description This project consists of manual and chemical tending in white pine shelterwood cuts. Vision® (glyphosate) will be applied as a ground spray, as a chemical site preparation, and through the EZ Ject stem injection system to reduce competition of hardwood species to release white pine crop trees. White pine seedlings will be planted on 256 ha of area where natural pine regeneration is low. Ottawa Valley.

PROJECT NUMBER 486-1-R17

Applicant Ottawa Valley Forest Inc.
Type Tolerant hardwood stand improvement to increase quality hardwood sawlog and veneer production where critical shortages occur.
Funding Approved \$556,700 (\$165,900 in 2003-04; \$192,700 in 2004-05, and \$198,100 in 2005-06.)
Description The Mid-tolerant and Hardwood Renewal project consists of marking and cutting low quality stems on 5,567 ha of degraded hard maple/red oak/white pine forests. This project will see the felling of non-merchantable and poor quality hardwoods to release target hardwood and white pine crop trees in mid-aged mixed hardwood/pine forests. This treatment will increase the presence of red oak, white pine, and sawlog quality hardwoods in the managed forest. Ottawa Valley Forest.

PROJECT NUMBER 487-1-R17

Applicant Bancroft-Minden Forest Inc.
Type Tolerant hardwood stand improvement to increase quality hardwood sawlog and veneer production where critical shortages occur.
Funding Approved \$151,500 (\$50,500 over three years beginning in 2003-04).
Description The project consists of treating 900 ha of forest land. Manual tending of established advanced regeneration to release yellow birch crop trees will be carried out. In areas of dense yellow birch seed trees, group selection to create 50 group openings will be conducted. The third portion of this project consists of chemical or mechanical site preparation and planting or direct seeding of dry areas to promote red oak regeneration. These treatments will increase the presence of red oak, white pine, and yellow birch in the managed forest and provide contract work. Bancroft-Minden Forest.

PROJECT NUMBER 488-1-R17

Applicant Westwind Forest Stewardship Inc.
Type Silvicultural remediation to bring xyz lands into production.
Funding Approved \$302,750 (\$122,000 in 2003-04; \$146,000 in 2004-05 and \$34,710 in 2005-06).
Description This project will plant red pine and white pine seedlings on 1,200 ha of backlog xyz white pine stands at densities of 250 to 750 trees per ha in the understory. Aerial applications of a chemical herbicide will be carried on selected areas to control competition of hardwoods as a chemical site preparation prior to planting. This project will provide employment for local silvicultural contractors including First Nations. French Severn Forest.

PROJECT NUMBER 489-2-R17

Applicant Ottawa Valley Forest Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$30,554 (\$17,864 in 2003-04; \$12,690 in 2004-05).
Description The Renewal of Claradeer Lake blowdown project consists of mechanically site preparing and planting white pine in a post-blowdown salvage harvest 47 ha area in Clara Township. This will enhance the future supply of white pine and provide silvicultural work for local contractors. Ottawa Forest.

PROJECT NUMBER 490-2-R17

Applicant Mazinaw-Lanark Forest Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$183,890 (\$54,400 in 2003-04; \$106,450 in 2004-05; \$23,040 in 2005-06).
Description The Mazinaw Wind Damage Restoration project will site prepare 166 ha and establish a white pine plantation in an area damaged by violent winds in August 2002. A small 30 ha area will be tended to release established red oak and white pine from hardwood competition. This will increase the future supply of white

pine, increase our understanding of treating wind-damaged forests, and provide employment for local silvicultural contractors. Mazinaw-Lanark Forest.

PROJECT NUMBER 493-2-R17

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$141,616 in 2003-04.
Description The Fairlock Lake project consists of planting 212 ha with jack pine, black spruce and white spruce in an area burned by the 1999 Nipigon 12 (Beardmore) fire. This project will assist in meeting long-term conifer wood supply shortages on the Lake Nipigon Forest, contribute to the maintenance of conifer-dominated forest cover types, and provide silvicultural contract work to local firms, including First Nations. Nipigon Forest.

ROUND EIGHTEEN PROJECTS

PROJECT NUMBER 494-1-R18

Applicant Red Lake Forest Management Company Limited
Type Intensive stand management to release jack pine to increase timber production where critical shortages occur.
Funding Approved \$135,000 (\$67,500 in each of 2004-05 and 2005-06).
Description The Red Lake Forest Stand Enhancement Project consists of using brush saws to space 450 ha of 9 to 15 year-old jack pine plantations from 7000 stems per ha to 1800 stems per ha over two years. This Project will increase the wood supply and provide approximately 800 work days for silvicultural contractors. Red Lake Forest.

PROJECT NUMBER 495-2-R18

Applicant McKenzie Forest Products Ltd.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$1,179,716 (\$1,132,206 in 2003-04; \$47,510 in 2000-05).
Description This Project consists of broadcast seeding 22,556 ha of cutover and forest areas burned in a July 2003 fire, to regenerate to jack pine and black spruce. This will contribute to sustaining sawmills in Hudson in the Sioux Lookout area. Lac Seul Forest.

PROJECT NUMBER 496-2-R18

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$580,468 (\$249,601 in 2004-05; \$330,867 in 2005-06).
Description The Gzowski Lake Project consists of mechanically site preparing and planting jack pine or black spruce on 670 ha of forests damaged by fall 2001 windstorms and wet snow on the north end of Lake Nipigon. Follow-up treatment will include controlling competition by the aerial and ground application of glyphosate at 1.7 kg ai/ha. The Project will provide employment opportunities to First Nations and other local silvicultural workers. Lake Nipigon Forest.

PROJECT NUMBER 497-2-R18

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$485,400 (\$333,600 in 2003-04; \$151,800 in 2004-05).
Description The Armstrong Blowdown/Snow Damage – Jack Pine Regeneration Retreatment Project involves brushing and chipping damaged saplings to create planting sites to reestablish jack pine plantations. Approximately 3,000 ha will be treated and planted to jack pine. This Project will contribute to future sawlog supplies and provide employment for local forestry workers. Armstrong Forest.

PROJECT NUMBER 498-1-R18

Applicant Domtar Inc.
Type Intensive stand management to release jack pine plantations to increase timber production where critical shortages occur.
Funding Approved \$124,820 (\$40,925 in 2004-05 and 2005-06 and \$42,970 in 2006-07).
Description This Project will pre-commercially thin approximately 305 ha of over-stocked young jack pine stands from densities of 5,000 to 10,000 trees per ha to densities of 1,700 stems per ha to accelerate growth of crop trees. This will increase future conifer sawlog supplies and provides immediate opportunities for local silvicultural contractors. Northshore Forest.

PROJECT NUMBER 499-1-R18

Applicant Hearst Forest Management Inc.
Type Intensive stand management to thin dense jack pine plantations to increase timber production where critical shortages occur.
Funding Approved \$67,360 in 2004-05.
Description This Project involves the pre-commercial thinning of 118 ha of 28 year-old dense jack pine plantations established after a 1975 wildfire in McEwing Township. The treatment will reduce stand densities from an average of 9,360 to 4,500 stems per ha. This will accelerate diameter growth and increase the future supply of quality conifer sawlog and fibre. This first of two thinnings will use brush saws to create one metre wide strips across the stand in two directions. This Project will provide employment for First Nations silvicultural workers. Hearst Forest.

PROJECT NUMBER 500-1-R18

Applicant Clergue Forest Management Inc.
Type Intensive stand management to space yellow birch trees to increase timber production where critical shortages occur.
Funding Approved \$58,500 in 2004-05.
Description This Project will release yellow birch crop trees in a 150 ha area of hardwood forest. Brush saws and chain saws will be used to remove competitive and poorly formed tree species around a target spacing of 250 yellow birch crop trees per ha. This Project will contribute to future quality sawlog and veneer supplies and provide employment for local silvicultural workers. Algoma Forest.

PROJECT NUMBER 501-1-R18

Applicant Clergue Forest Management Inc.
Type Intensive stand management to space white pine to increase timber production where critical shortages occur.
Funding Approved \$20,000 in 2004-05.
Description This Project involves the basal bark application of herbicide to space planted white pine to improve diameter growth rates and increase quality softwood sawlogs in the Wawa Forest. This Project also provides employment for local silvicultural workers. Wawa Forest.

PROJECT NUMBER 502-2-R18

Applicant Hearst Forest Management Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$123,008 (\$49,600 in 2003-04; \$62,853 in 2004-05; \$10,555 in 2005-06.)
Description This Project involves mechanically site preparing, planting white and black spruce, and tending 127 ha of land, following a salvage harvest of forests damaged by strong winds. This will also provide employment for students and First Nations silvicultural workers. Hearst Forest.

PROJECT NUMBER 504-2-R18

Applicant Timiskaming Forest Alliance Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$34,713 in 2004-05.
Description The Munro Lake Fire-Renewal Project consists of mechanically site preparing and planting jack pine container stock on 61.9 ha of forests which were salvage harvested following the June 2003 Kirkland Lake Fire #9. This Project will contribute to the future conifer supply and will provide training and employment opportunities for the local First Nations. Timiskaming Forest.

PROJECT NUMBER 505-1-R18

Applicant Domtar Inc.
Type Intensive stand management to reestablish white pine where critical shortages occur.
Funding Approved \$200,982 (\$65,203 in 2004-05; \$135,779 in 2005-06).
Description This Project consists of planting 492 ha of white pine in areas that did not regenerate to conifer following a 1994 and 1996 shelterwood and seed-cut harvest. Manual tending with brush saws will be carried out to reduce hardwood competition. This Project will contribute to future white pine sawlog supplies and will provide employment for local forestry workers. Northshore Forest.

PROJECT NUMBER 506-1-R18

Applicant Mazinaw-Lanark Forest Inc.
Type Intensive stand management to release white pine on class 2 lands to increase timber production where critical shortages occur.
Funding Approved \$27,600 in 2004-05.

Description This Saptrough Lake Pine Restoration Project consists of manually spacing 15 year-old white pine and red pine established on 92 ha of class Z lands. This area was harvested in the 1970's and prescribed burned in 1985. This Project will release conifer crop trees to contribute to future sawlog supplies. It will also provide employment for local silvicultural contractors including First Nations. Mazinaw-Lanark Forest.

PROJECT NUMBER 507-1-R18

Applicant Westwind Forest Stewardship Inc.
Type Intensive stand management to space sugar maple and yellow birch to increase timber production where critical shortages occur.
Funding Approved \$462,400 (\$104,000 in 2003-04; \$179,200 in 2004-05 and \$179,200 in 2005-06)
Description This Project consists of felling poor quality stems on 8,400 ha of tolerant hardwood forests to improve growth and quality of crop trees. This Project will improve the future volume of quality hardwood sawlogs and will provide fibre to pulp mills and small fuelwood processors. French Severn Forest.

ROUND NINETEEN PROJECTS

PROJECT NUMBER 508-1-R19

Applicant Atikokan Forest Products Ltd.
Type Intensive stand management to release jack pine to increase timber production where critical shortages occur.
Funding Approved \$116,712 in 2004-05.
Description The spacing of seed-origin jack pine plantations established in the 1990's on the Sapawe Forest consists of pre-commercially thinning 389 ha of with brush saws from densities of 8,000 stems per ha down to a target density of 1,800 to 2,500 stems per ha. Part of the work will be remedial work on stands damaged by a November 1998 ice storm. This work will provide 780 days of employment for local silvicultural contractors and will contribute to future jack pine sawlog and fibre supplies. Sapawe Forest.

PROJECT NUMBER 510-1-R19

Applicant Atikokan Forest Products Ltd.
Type Silvicultural work to increase timber supply where critical shortages occur.
Funding Approved \$10,560 in 2004-05.
Description This Project planned to aerially survey 3,264 ha of inaccessible stands for Free to Grow classification and inventory updating. Sapawe Forest.

PROJECT NUMBER 511-1-R19

Applicant Bowater Pulp and Paper Canada Ltd.
Type Intensive stand management to space black spruce, white spruce, jack pine and red pine to increase timber production where critical shortages occur
Funding Approved \$175,000 (\$58,540 in 2004-05 and 2005-06 and \$57,920 in 2006-07).
Description The Drift Lake White Pine Intensive Plantation Project proposed to manually thinning, with brush saws, 500 ha of conifer plantations established under an overstory of scattered white pine. This will create potential commercial thinning blocks. Dog River-Matawin Forest

PROJECT NUMBER 512-1-R19

Applicant Weyerhaeuser Company Ltd.
Type Renewal and tending on Class Y lands to increase timber production where critical shortages occur.
Funding Approved \$345,199 (\$225,615 in 2004-05; \$122,584 in 2005-06).
Description The Jack Pine Pre-commercial Thinning Project consists of spacing 949 ha of 11 year-old dense seed-origin jack pine from densities of 16,000 to 2,500 stems per ha, to contribute to the future sawlog supply and to provide employment for the local First Nations and other local forestry workers. Wabigoon Forest.

PROJECT NUMBER 513-2-R19

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wet snow and wind.
Funding Approved \$285,953 over three years (2000-05 to 2006-07).
Description The Willet Lake Project consists of mechanically site preparing 355 ha, and planting 639,000 black spruce and jack pine on harvest salvage blocks in the northern portion of the Lake Nipigon Forest. These stands were damaged by wet snow and wind in an October 2001 storm. This Project will increase the local conifer supply and provide employment for local silvicultural contractors. Lake Nipigon Forest.

PROJECT NUMBER 516-1-R19

Applicant Abitibi-Consolidated Company of Canada Inc.
Type Intensive stand management to space poplar crop trees to increase timber production where critical shortages occur.
Funding Approved \$18,173 in 2004-05.
Description The Shoal Lake Pre-Commercial Thinning Project consists of winter shear blading 2.4 m wide strips to space 150 ha of poplar to accelerate growth of crop trees to provide future poplar sawlog and veneer supplies. Crossroute Forest.

PROJECT NUMBER 521-2-R19

Applicant Bowater Canadian Forest Products Ltd.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$267,750 for 2004-05.
Description The Cutoff Road Burn Plantation Re-establishment Project will re-establish black and white spruce plantations on 280 ha of area burned in a spring 2002 wildfire. The site was mechanically site prepared and a ground herbicide treatment applied prior to planting to reduce the heavy grass competition on this rich (ES 19), deeply soiled site. This Project will provide employment to the local silvicultural contractors and help maintain the local conifer supply. Black Sturgeon Forest.

PROJECT NUMBER 522-2-R19

Applicant Kimberly-Clark Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically spruce budworm.
Funding Approved \$283,846 (\$86,750 in 2004-05; \$197,096 in 2005-06).
Description The Skerrett Lake Salvage – Prescribed Burn and Tree Plant Project will carry out a prescribed burn in 2004 on 825 ha of forests salvage logged after damage from spruce budworm, and re-establish black and white spruce plantations in 2005. The site is 37 km SSW of Geraldton and 59 km SW of Longlac. The plantations will increase the local conifer sawlog supply and provide employment for local contractors. Kenogami Forest.

PROJECT NUMBER 523-2-R19

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$404,841 (\$178,963 in 2004-05; \$225,878 in 2004-05).
Description The Nipigon 58 Wildfire Project will re-establish conifer plantations on 520 ha area burned in a mid-summer 2003 wildfire. The site will be mechanically site prepared, planted and released through aerial and ground tending with glyphosate at 1.7 kg ai/ha. This Project will provide employment to the local silvicultural contractors and contribute to the future conifer wood supply. Lake Nipigon Forest.

PROJECT NUMBER 526-2-R19

Applicant Longlac Forest Products Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$25,894 in 2004-05.
Description The Stag Lake Block Retreatment Project will site prepare and direct seed jack pine on 56 ha to re-establish plantations burned in a fall 2000 wildfire. This Project will create approximately 60 employment days for a local silvicultural contractor and contribute to future conifer supplies. Ogoki Forest.

PROJECT NUMBER 527-5-R19

Applicant Abitibi-Consolidated Company of Canada Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$39,627 in 2004-05.
Description The Stag Lake Block Retreatment Project will site prepare and direct seed jack pine on 56 ha to re-establish plantations burned in a fall 2000 wildfire. This Project will create approximately 60 employment days for a local silvicultural contractor and contribute to future conifer supplies. Crossroute Forest.

PROJECT NUMBER 528-1-R19

Applicant Tembec Forest Resource Management
Type Intensive stand management to re-establish white pine where critical shortages occur.
Funding Approved \$153,900 (\$48,840 in 2004-05; \$69,450 in 2005-06 and \$35,610 in 2006-07).
Description This Project consists of site preparing (straight blade bulldozer) strips in 160 ha of low grade hardwood forests and planting white pine seedlings at densities of 1,500 stems per ha to meet critical pine wood supply.

shortages. A ground application of herbicide will be applied the third year to release crop trees from competition. This Project also provided employment for local forestry workers. Superior Forest.

PROJECT NUMBER 529-1-R19

Applicant Bancroft-Minden Forest Company
Type Intensive stand management to re-establish red and white pine to increase timber production where critical shortages occur.
Funding Approved \$482,000 (\$194,250 in 2004-05; \$135,750 in 2005-06 and \$152,000 in 2006-07).
Description This Project consists of site preparing and planting 300,000 white and red pine seedlings on 710 ha over three years, in stands managed under the shelterwood system. Manual or ground chemical tending will be carried out as required. This Project will provide employment for local silvicultural contractors. Bancroft-Minden Forest

PROJECT NUMBER 530-5-R19

Applicant Westwind Forest Stewardship Inc.
Type Silvicultural treatment of Class Z Lands to bring them back into the productive forest base.
Funding Approved \$652,800 (\$178,600 in 2004-05; \$248,400 in 2005-06; \$225,800 in 2006-07).
Description This Project consists of the ground application of basal bark Release herbicide and brush saw application of Vision® herbicide on 1,000 ha, and Air Blast Sprayer herbicide application on 400 ha to release white pine, red pine and white spruce crop trees from hardwood competition in pine stands managed under the uniform shelterwood system. Seeding cuts prior to 1996 have resulted in poor regeneration due to high competition from hardwoods. This treatment will contribute to future pine supplies. French/Severn Forest

PROJECT NUMBER 531-3-R19

Applicant Ontario Ministry of Natural Resources
Type Eradication and control of insect threats to the productive forests.
Funding Approved \$1,150,000 (\$350,000 in 2004-05; \$400,000 in each of 2005-06 and 2006-07).
Description This project consists of the detection and destruction of the Asian Longhorn Beetle and Emerald Ash Borer. Southern Ontario.

PROJECT NUMBER 532-1-R19

Applicant Timiskaming Forest Alliance Inc./Kirkland MNR District
Type Intensive stand management to space jack pine to increase timber production where critical shortages occur.
Funding Approved \$216,000 (\$108,000 in each of 2004-05 and 2005-06).
Description This Project consists of manually spacing 500 ha of 10 to 18 year-old jack pine plantations to densities of 2,000 stems per ha over two years to accelerate growth to increase sawlog production. This Project will provide employment for local silvicultural contractors including First Nations. Timiskaming Forest.

PROJECT NUMBER 533-1-R19

Applicant Shining Tree Forest Inc./Timmins MNR District
Type Intensive stand management to space jack pine to increase timber production where critical shortages occur.
Funding Approved \$116,000 (\$108,000 in each of 2004-05 and 2005-06).
Description This Project consists of motor-manually spacing 500 ha of 10 to 18 year-old jack pine plantations to densities of 2,000 stems per ha over two years to accelerate growth to increase sawlog production. This Project will provide employment for local silvicultural contractors including First Nations. Shining Tree Forest.

PROJECT NUMBER 534-3-R19

Applicant Ontario Ministry of Natural Resources
Type Restoration of productive forests damaged by non-native insects.
Funding Approved \$1,300,000 (\$350,000 in 2004-05; \$600,000 in 2005-06 and \$350,000 in 2006-07).
Description This Project consists of replacing trees in areas where forests were removed due to infestation of Asian Longhorn Beetle and Emerald Ash Borer. Southern Ontario.

APPENDIX 3

Stand Management, Remediation and Protection

- A PROJECTS APPROVED FOR FUNDING IN
ROUND TWENTY**
- B PROJECTS APPROVED FOR FUNDING IN
ROUND TWENTY-ONE**
- C APPLICATIONS THAT WERE EITHER
NOT FUNDED OR WITHDRAWN
BY THE APPLICANT IN ROUNDS
TWENTY AND TWENTY-ONE**

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

CATEGORY 1 - STAND IMPROVEMENT

PROJECT NUMBER 535-1-R20

Applicant Abitibi-Consolidated Company of Canada
Type Intensive stand management to establish black spruce and pine to increase timber production where critical shortages occur.
Funding Approved \$755,000 (\$482,500 in 2005-06; \$272,500 in 2006-07).
Description The Ground Recovery-Slash piling, burning and planting Project consists of piling and burning roadside slash recovered from full tree harvesting, followed by tree planting over wintered jack pine and black spruce to bring up to 500 ha back into production. This Project will increase the wood supply. Spruce River Forest.

PROJECT NUMBER 536-1-R20

Applicant Bowater Canadian Forest Products
Type Intensive stand management to release jack pine and black spruce plantations to increase timber production where critical shortages occur.
Funding Approved \$560,000 over three years (\$200,000 in 2005-06; \$160,000 in 2006-07; \$200,000 in 2007-08).
Description The Late Juvenile Spacing Project will space (using brush saws) approximately 1,400 ha of over-stocked 7 to 10 year-old jack pine stands from densities of 3,000 to 5,500 trees per ha to densities of 1,200 to 1,800 stems per ha to accelerate growth of crop trees. This will increase future conifer sawlog supplies and provide immediate opportunities for local silvicultural contractors. Black Sturgeon Forest.

PROJECT NUMBER 537-1-R20

Applicant Abitibi-Consolidated Company of Canada
Type Intensive stand management to thin poplar stands to increase timber production where critical shortages occur.
Funding Approved \$247,500 over 3 years (\$82,500 per year for 2005-06; 2006-07; 2007-08).
Description This project involves the pre-commercial thinning of 450 ha of poplar to increase the quality and shorten the rotation age for poplar sawlogs and veneer. This project will provide employment for First Nation silvicultural workers. Spruce River Forest..

PROJECT NUMBER 538-1-R20

Applicant Abitibi-Consolidated Company of Canada
Type Intensive stand management to space hardwoods where critical shortages occur.
Funding Approved \$852,689 (\$281,195 in 2005-06; \$284,051 in 2006-07; \$287,443 in 2007-08).
Description This Project consists of spacing 10 to 15 year-old white and red pine, jack pine and black spruce crop trees on 2,100 ha of forests to densities of 1,500 to 1,800 trees per ha in order to increase future quality sawlog and veneer supplies. This Project will provide employment for local forestry workers. Crossroute Forest.

PROJECT NUMBER 544-1-R20

Applicant Nipissing Forest Resource Management Inc.
Type Intensive stand management to space hardwoods where critical shortages occur.
Funding Approved \$1,170,000 (\$1,955,000 in 2004-05; \$487,500 in 2005-06; \$487,500 in 2006-07).
Description The Yellow Birch Restoration Project consists of pre-commercial thinning and cleaning 3,600 ha of scattered 30 to 40 year-old yellow birch polewood stands to accelerate growth. This Project will contribute to the high quality hardwood sawlog and veneer supply and provide employment for local silvicultural workers including First Nations. Nipissing Forest.

PROJECT NUMBER 545-1-R20

Applicant Clergue Forest Management Inc.
Type Intensive stand management to space hardwoods where critical shortages occur.
Funding Approved \$866,250 over three years; \$288,750 in 2005-06, \$288,750 in 2006-07 and \$288,750 in 2007-08.
Description The Hardwood Crop Tree Release Project consists of treating 3,850 ha of low grade hardwood stands during harvesting activities so that unmerchantable low grade hardwoods are felled to release future crop trees. This will both accelerate the growth of crop trees and increase the quality of the stand. This project will contribute to the future hardwood sawlog and veneer supply. Algoma Forest.

PROJECT NUMBER 546-1-R20

Applicant Clergue Forest Management Inc.
Type Intensive stand management to space hardwoods where critical shortages occur.
Funding Approved \$196,875 over three years; \$65,625 per year 2005-06; 2006-07; 2007-08.
Description The Hardwood Crop Tree Release Project consists of spacing 525 ha of yellow birch crop trees by felling competing low grade hardwoods to accelerate growth. This Project will contribute to the future hardwood sawlog and veneer supply. Algoma Forest.

PROJECT NUMBER 547-1-R20

Applicant Domtar Inc.
Type Intensive stand management to space conifer where critical shortages occur.
Funding Approved \$587,520 (\$195,840 in each of 3 years (2000-06; 2006-07; 2007-08).
Description The Pre-commercial Thinning of Jack Pine on Spanish forest with Eshkawkogan Timber Co. Project consists of manually spacing 1,200 ha of 10 to 14 year-old jack from densities of 6,500 stems down to 1,900 stems per ha. This Project will enhance the future conifer supply and will provide training and employment opportunities for the local First Nations. Spanish Forest.

PROJECT NUMBER 548-1-R20

Applicant North Bay District, Ontario Ministry of Natural Resources
Type Intensive stand management to space conifer where critical shortages occur.
Funding Approved \$800,000 (\$240,000 in 2005-06; \$280,000 in 2006-07; \$280,000 in 2007-08).
Description The Manual Cleaning and Spacing Project consists of manually spacing 2,000 ha of 5 to 10 year-old jack down to spacing of 1,900 to 2,400 stems per ha. This Project will contribute to the future conifer supply and will provide training and 8 to 10 person-years of employment for the local First Nations silvicultural workers. Temagami Forest.

PROJECT NUMBER 549-1-R20

Applicant Tembec Industries Inc.
Type Intensive stand management to space conifer where critical shortages occur.
Funding Approved \$260,030 in 2005-06.
Description The Manual Cleaning and Spacing Project consists of manually spacing 654 ha of 10 year-old jack pine from densities of 1,800 stems per ha down to spacing of 1,800 to 2,200 stems per ha. This Project will contribute to the future conifer supply and will provide employment for local silvicultural workers. Superior Forest.

PROJECT NUMBER 554-1-R20

Applicant Westwind Forest Stewardship Inc.
Type Intensive stand management to release hardwood and white pine where critical shortages occur.
Funding Approved \$338,400 over 3 years (\$112,800 per year in 2004-05; 2005-06; 2006-07).
Description The Felling Unmerchantable Stems in Shelterwood Stands Project consists of felling unmerchantable stems to release yellow birch, red oak, black cherry and white pine crop trees in 6,300 ha of stands managed under the shelterwood system. This project will contribute to increasing white pine sawlog supply and provide employment for local silvicultural workers. French Severn Forest.

CATEGORY 2 - REMEDIATION

PROJECT NUMBER 539-2-R20

Applicant Abitibi-Consolidated Company of Canada
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$546,982 (\$79,575 in 2004-05; \$171,181 in 2005-06; \$296,226 in 2006-07).
Description This Project consists of re-establishing conifer on 878 ha of plantations and natural regeneration burned by Wawa 21 Forest Fire during the summer of 2003. Over 350,000 white spruce, 140,000 jack pine and 580,000 black spruce will be planted at densities of 1,333 trees per ha with a followup tending. This will rapidly return these areas to productive conifer plantations to meet future woody supply demand. It will also provide 600 employment days for local silvicultural contractors. Nagagami Forest.

PROJECT NUMBER 540-2-R20

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically blowdown and snow.
Funding Approved \$1,618,000 (\$1,112,000 in 2005-06; \$506,000 in 2006-07).
Description The Armstrong Jack Pine Retreat Project consists of re-establishing conifer forests in areas damaged by wind and snow during the fall of 2001. Brush-cutting machinery (DELTA DT0530RT with FECON Bull Hog BH350 mulching head) was used to mulch damaged seeded and planted jack pine areas damaged by the wind and snow. Approximately 1,000 ha will be mulched, planted to jack pine, and tended in Year 3 as needed. This will contribute to sustaining local sawmills and provide employment for local silvicultural workers including First Nations. Armstrong Forest.

PROJECT NUMBER 541-2-R20

Applicant Greenmantle Forest Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$367,472 in 2005-06.
Description The Lakehead Forest Wildfire Renewal Project consists of planting 850,000 jack pine and black spruce at densities of 1,200 seedlings per ha on 720 ha of forests damaged by a 2002 wildfire. Because of limited roads, access is by helicopter. This Project will re-establish productive forests on these sites, thereby contributing to future wood supplies close to Thunder Bay. Lakehead Forest.

PROJECT NUMBER 542-2-R20

Applicant Bowater Canadian Forest Products
Type Silvicultural remediation of areas depleted by natural causes, specifically fire..
Funding Approved \$780,000 in 2005-06.
Description The Kab River Plantation Establishment Project #2 involves site preparing and planting jack pine and black spruce seedlings grown from improved seed from first generation seed orchards, in areas burned by the Nipigon 21 Fire. Approximately 1243 ha will be treated. This Project will contribute to future sawlog supplies and provide employment for local Gull Bay forestry workers. Black Sturgeon Forest.

PROJECT NUMBER 550-2-R20

Applicant Tembec Industries Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$73,913 (\$13,122 in 2004-05; \$56,862 in 2005-06; \$3,929 in 2006-07).
Description The Renewal of the 2002 Audrey Lake (Wacousta Twp.) Fire Project involves planting black spruce seedlings in areas burned by the summer 2002 Audrey Lake Fire. The Project also includes the aerial application of glyphosate at a rate of 2.0 kg ai/ha to release the planted seedlings from competition. Approximately 1,243 ha will be treated. This Project will contribute to future sawlog supplies and provide employment for local forestry workers. Cochrane-Moose River Forest.

CATEGORY 3 - PROTECTION

CATEGORY 4 - OTHER PURPOSES
AND
CATEGORY 5 - REMEDIATION OF CLASS Z LANDS,

PROJECT NUMBER 555-4-R20

Applicant Forest Genetics Ontario
Type Other - Inventory.
Funding Approved \$170,090 in 2004-05.
Description Request for funding to support operating a provincial office to coordinate the efforts of industry and government partners in carrying out tree improvement activities. Both operational and research projects are part of the Forest Genetics Ontario program.

PROJECT NUMBER 556-4-R20

Applicant Forest Ecosystem Science Co-operative Inc.
Type Other - Growth and Yield Plots.
Funding Approved \$317,000 in 2004-05.
Description This Forest Coop Growth and Yield Permanent Growth Program consists of establishing new plots and the remeasurement of a existing plots in a provincial network of permanent growth and yield plots for both natural and managed forests. Location: South-central and northern Ontario.

PROJECT NUMBER 552-5-R20

Applicant Tembec Industries Inc./Cochrane District Ontario Ministry of Natural Resources
Type Silvicultural remediation of class z lands.
Funding Approved \$48,243 in 2005-06.
Description The Alexandra Township Conifer Enhancement Project involves infill planting of black and white spruce at densities of 1,200 trees per ha on class z lands that were chemically site prepared with 2.2 kg a.i. glyphosate in August 2003. This Project will contribute to future conifer supplies and provide employment for local forestry workers. Smooth Rock Falls Forest.

**B - PROJECTS APPROVED FOR FUNDING
IN ROUND TWENTY-ONE**

CATEGORY 1 - STAND IMPROVEMENT

PROJECT NUMBER 561-1-R21

Applicant Abitibi-Consolidated Company of Canada
Type Intensive stand management to release jack pine plantations to increase timber production where critical shortages occur.
Funding Approved \$29,640 in 2005-06.
Description The Jack Pine Leader Clipping Project will space approximately 100 ha of over-stocked 7 to 10 year-old jack pine stands from densities of 8,000 to 15,000 trees per ha to densities of 2,400 stems per ha to accelerate growth of crop trees. This will increase future conifer sawlog supplies and provide immediate opportunities for local silvicultural contractors. Spruce River Forest.

PROJECT NUMBER 567-1-R21

Applicant Abitibi-Consolidated Company of Canada
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$150,960 in 2005-06.
Description The Whiskey Jack Forest Blowdown Stand Enhancement Project consists of tending plantations established between 1992 and 1995 following salvage harvest. The Project consists of manually spacing 300 ha of jack pine from densities of 5,000 - 15,000 down to 1,900 to 2,500 stems per ha. This Project will enhance the future conifer supply and will provide training and employment opportunities for the local First Nations. Whiskey Jack Forest.

PROJECT NUMBER 570-1-R21

Applicant Timiskaming Forest Alliance Inc.
Type Intensive stand management to thin dense jack pine plantations to increase timber production where critical shortages occur.
Funding Approved \$129,600 for 2005-06.
Description This Project involves the pre-commercial thinning of 300 ha of 10 to 20 year- old dense jack pine plantations. The treatment will reduce stand densities to accelerate diameter growth of crop trees and increase future quality conifer sawlog supply. This Project will provide employment for First Nation silvicultural workers. Timiskaming Forest.

PROJECT NUMBER 573-1-R21

Applicant Domtar Inc.
Type Intensive stand management to space hardwoods where critical shortages occur.
Funding Approved \$202,500 (\$67,500 per year over three years 2005-06 to 2007-08).
Description This Project consists of spacing yellow birch and sugar maple crop trees on 2,700 ha of forests to increase future quality sawlog and veneer supplies. This Project will provide employment for local forestry workers. Northshore Forest.

PROJECT NUMBER 577-1-R21

Applicant Bancroft Minden Forest Company
Type Intensive stand management to release tolerant hardwood crop trees to increase timber production where critical shortages occur.
Funding Approved \$390,000 (\$130,000 over three years from 2005-06 to 2007-08).
Description Low quality hardwoods will be cut to release tolerant hardwood crop trees on 3,900 ha of forest. This will increase the percentage of future quality sawlog and veneer supplies. It will also provide 600 employment days for local silvicultural contractors. Bancroft Minden Forest.

CATEGORY 2 - REMEDIATION

PROJECT NUMBER 559-2-R21

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

PROJECT NUMBER 560-2-R21

Applicant Bowater Canadian Forest Products Limited
Type Intensive stand management to establish black spruce pine to increase timber production where critical shortages occur.
Funding Approved \$1,291,950 (\$524,950 in 2005-06; \$578,400 in 2006-07 and \$188,600 in 2007-08).
Description The Current River Block Plantation Development Project consists of mechanically site preparing (trencher) areas burned in the 1940's and infested by budworm (1981 to 1993), planting 1,900 black and white spruce and jack pine per ha, and tending to control competition over 3 years. This Project will increase the wood supply and provide future thinning opportunities for silvicultural contractors. Black Sturgeon Forest.

PROJECT NUMBER 562-2-R21

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

PROJECT NUMBER 563-2-R21

Applicant Abitibi-Consolidated Company of Canada
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$14,877 in 2005-06.
Description The Bernadine/Arnold Blowdown Renewal Project involves brushing and chipping damaged saplings to create planting sites to re-establish jack pine plantations. Approximately 110 ha will be aerially seeded or planted to jack pine. This Project will contribute to future sawlog supplies and provide employment for local forestry workers. Crossroute Forest.

PROJECT NUMBER 564-2-R21

Applicant Greenmantle Forest Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$199,477 (\$59,850 in 2005-06; \$139,627 in 2000-07).
Description The Blowdown Salvage Area Renewal Project involves mechanically site preparing, planting white and black spruce, and tending 570 ha of land, following a salvage harvest of forests damaged by strong winds. This will also provide employment for students and First Nations silvicultural workers. Lakehead Forest.

PROJECT NUMBER 565-2-R21

Applicant Red Lake Forest Management Company Ltd.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$221,100 (\$111,650 in 2005-06; \$109,450 in 2006-07).
Description The Parker Lake Blowdown Project consists of following the 2002 and 2004 windstorm. This project consists of mechanically site preparing 290 ha and planting 464,000 black spruce, white spruce and jack pine seedlings, followed by herbicide release. This Project will contribute to the local wood supply and provide employment for local silvicultural workers. Red Lake Forest.

PROJECT NUMBER 566-2-R21

Applicant Abitibi-Consolidated Company of Canada
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$18,299 in 2005-06.
Description The Crossroute 2001 Blowdown Extension Project consists of direct seeding 134 ha to re-establish forests on areas damaged by blowdown that were inaccessible to mechanical site preparation. It also includes tending

97 ha of plantations with Vision® to release seedlings established after the blowdown. This Project will contribute to the future conifer supply. Crossroute Forest.

PROJECT NUMBER 576-2-R21

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

CATEGORY 3 - PROTECTION

PROJECT NUMBER 578-3-R21

Applicant	Bancro ft Minden Fore st Company
Type	Silvicultural remediation of areas depleted by natural causes, specifically insects.
Funding	Approved \$38,562 in 2005-06.
Description	This Project consists of treating insect pest infestations (redheaded pine sawfly – <i>Neodiprion lecontei</i>) and False pine webworm – <i>Acantholyda erythrocephala</i>) in juvenile red pine plantations with Lacontevirus, to protect white and red pine seed sources. This will contribute to sustaining sawmills in the Bancroft Minden area. Bancroft Minden Forest.

CATEGORY 5 - REMEDIATION OF CLASS Z LANDS

PROJECT NUMBER 568-5-R21

Applicant	Abitibi-Consolidated Company of Canada
Type	Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding	Approved \$41,500 in 2005-06.
Description	The Ketchikan Lake Project consists of manually releasing (with brush saws) 83 ha of planted red pine and natural hardwood regeneration to densities of 1,400 to 1,800 trees per ha to release crop trees. This will contribute to future wood supplies. Crossroute Forest.

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

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 543-4-R20

Applicant Long Lake Forest Products Inc.
 Type Silvicultural remediation of class z lands.
 Funding Requested \$108,960.
 Description Proposed survey work on 69,616 ha of inaccessible lands to classify Free to Grow areas. Ogoki Forest.

Not eligible for funding under the Forestry Futures Trust.

PROJECT NUMBER 551-2-R20

Applicant Tembec Industries Inc.
 Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
 Funding Requested \$12,723.
 Description The Loveland Fire Renewal Project involves planting jack pine and black spruce seedlings on 23 ha of young plantations (established in 1996 after a 1991 fire) that were burned in 2002. This project will contribute to future sawlog supplies and provide employment for local forestry workers. Romeo Malette Forest.

Not eligible for funding as work already completed.

PROJECT NUMBER 552-4-R20

Applicant Tembec Industries Inc. / Cochrane District Ontario Ministry of Natural Resources
 Type Other - Inventory.
 Funding Requested \$1,500,218.
 Description This project proposed a re-inventory of 628,000 ha on the Romeo Malette Forest using high resolution color and infra red ortho-imagery and LIDAR data. Romeo Malette Forest.

Not eligible for funding under the Forestry Futures Trust.

PROJECT NUMBER 557-4-R20

Applicant Forest Genetics Ontario
 Type Other – Tree Improvement.
 Funding Requested \$80,000 over 3 years.
 Description Request for funding to establish white pine progeny tests by establishing seed orchards in northeastern Ontario as part of the tree improvement program.

Not eligible for funding under the Forestry Futures Trust.

PROJECT NUMBER 558-4-R20

Applicant Forest Genetics Ontario
 Type Other – Tree Improvement.
 Funding Requested \$1,544,578.
 Description Request for funding to complete the establishment phase of 17 second generation tree breeding programs in northeastern and northwestern Ontario, and to establish four new First Generation tree breeding programs.

Not eligible for funding under the Forestry Futures Trust.

PROJECT NUMBER 569-4-R21

Applicant Bowater Canadian Forest Products Limited
 Type Seed production.
 Funding Requested \$181,250.
 Description The Kakabeka Seed Production orchard project consists of selective spacing of the seed orchard to produce improved seed for aerial seeding of jack pine. Dog River Matawin Forest

Not eligible for funding under the Forestry Futures Trust as the proposed activities are normal seed orchard maintenance activities.

PROJECT NUMBER 571-1-R21

Applicant Clergue Forest Management Inc.
 Type Intensive stand management to space white spruce trees to increase timber production where critical shortages occur.
 Funding Requested \$71,100.
 Description Brush saws and chain saws will be used to remove 33 percent of the basal area to space 79 ha of 30 to 40 year-old white spruce crop trees. This will accelerate crop tree growth to increase future quality sawlog supplies. Algoma Forest.

Withdrew by applicant for future resubmission pending the collection of more supporting documentation to indicate that the proposed treatment is effective.

PROJECT NUMBER 572-1-R21

Applicant Clergue Forest Management Inc.
Type Intensive stand management to release white pine to increase timber production where critical shortages occur.
Funding Requested \$29,100.
Description This project involves the removal of older white pine cull trees on 194 ha of stands managed under the shelterwood system to release younger regeneration. This project provided employment for local silvicultural workers. Algoma Forest.

Withdrew by applicant. Too little information was provided to assess the merits of the project, including the probability of success of the proposed treatment.

PROJECT NUMBER 574-2-R21

Applicant Tembec Forest Resource Management
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Requested \$27,250.
Description The project consists of carrying out Free to Grow Surveys in areas burned by the Chapleau Fire 29-95. Superior Forest.

Not eligible for funding under the Forestry Futures Trust as it is limited to a Free to Grow Survey which will not contribute to future wood supplies.

PROJECT NUMBER 575-2-R21

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically historic insect depletion.
Funding Requested \$611,337.
Description Site preparation and planting of recently harvested stands. Gordon Cousins Forest.

Not eligible for funding under the Forestry Futures Trust as it consists of normal silvicultural practices eligible for funding under the Renewal Trust.

APPENDIX 4

Stand Management, Remediation and Protection

LIST OF COMPLETED PROJECTS

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 *Forestry Futures Trust* 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 *Forestry Futures Trust* 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 *Forestry Futures Trust* 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 *Forestry Futures Trust* 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 os 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 bud worm.
 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 bud worm.
 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 3,000 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 1980's.
 Funding Approved \$421,538.
 Description This Project consists of two components: 1) the fall application of herbicide (Vision⁷) 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 Dubreuil Forest Products Limited
 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 Vision⁷ 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 Vision⁷ 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 2,500 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 2,245 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 2,000 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 1,500 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 Vision⁷ 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 Vision⁷ (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 #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 Monetville 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 1,050 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 2,000 to 2,500 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 1,300 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 (Vision⁷) on 254 ha in the Morrow Lake area and 97 ha in the Anna Lake area in Matawatchan 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 5,500 M jack pine seedlings and aerially seed 3,000 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 Kimberly-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 re-establish 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 5,800 ha (2,900 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 *Forestry Futures Trust* 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 saw timber 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 <i>Forestry Futures Trust</i> , 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 <i>Forestry Futures Trust</i> 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 <i>Forestry Futures Trust</i> 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 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.

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. This Project will contribute to the re-establishment 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 1,000 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. The thinning occurred in the Cold Lake and Manion Road areas. It will help meet long term wood shortages in the jack pine and poplar forest units in the areas 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 short fall 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 1,900 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 1,700 to 2,000. 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 1,630 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 and red pine, respectively, in the spring of 1999 at densities of 1,300 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 Inc.
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 Inc.
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 268-1-R7

Applicant Parry Sound District/Westwind Forest Stewardship Inc.
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. Bracebridge 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 re-establish white and red pine in mixed-wood stands. Plant pine container and/or bare root stock at 500 stems/ha.

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 1,438 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 1,997 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 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 Two 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.

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 dufflayer 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 aerially seeding 3,794 ha of area burned in the Caribou 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 cu m 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 1,584 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 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 1,200 to 1,500 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 forest south-east of Timmins burned by the Timmins Fire #12 in 1997. A salvage operation in the fall of 1997 and 1998 created sites ready for treatment. Approximately 1,357 ha of the 3,760 ha burned are predicted to regenerate without treatment. This project will treat the remaining area. At least 1,733 ha will be mechanically site prepared, 2,002 ha planted to jack pine at a density of 1,624 trees per ha, and 2,184 ha aerial tended to re-establish 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 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 1998-99; \$821,039 in 1999-00 and \$83,652 in 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 with \$169,956 in 1998-99 and \$20,705 in 2000-01.
 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 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 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 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 4,719 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 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 (tridoppyr) 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 forest 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 1,500 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 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 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 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.

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 1,739 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 *Forestry Futures Trust* 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 *Forestry Futures Trust* was \$161,703.

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 1,800 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 9,700 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 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 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 1,800 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 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.

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 1,475 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 1,196 ha. This will contribute to future conifer wood supply, while providing local employment.

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; \$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 Watabeag Lake area southeast of Timmins in the Timiskaming 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 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 short fall 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 3,229 ha in the Dog River-Matawin Forest to reduce stand densities to 2,200 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 re-establish 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 1,513 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.

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; \$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.
 Type Silvicultural remediation of areas affected by the forces of natural depletion in this case wildfire.
 Funding Approved \$858,821.
 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 2,400 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 2,000 to 2,500 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 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 (9,700 stems/ha) 12 to 13 year-old jack pine down to 2,000 to 2,500 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 bracke) 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 7,000 to 18,000 per ha to 1,500 to 1,800 stems per ha. Highrock Forest SFL.

PROJECT NUMBER 330-2-R10

Applicant Domtar Inc. and Whitesand 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 (\$263,831 for 1999-00; \$41,689 for 2000-01).
 Description The Paper Eskimo pre-treatment Project consists of re-establishing 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 1,200 to 1,700 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-Steep Rock blowdown, located 10 to 20 km northwest of Atikokan near Miranda and Righteye Lakes, consists of re-establishing 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 re-establishing conifer plantations on 3,000 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 1,800 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 each for 2000-01 and 2001-02; \$165,000 for 2002-03).
 Description This Project consists of pre-commercially thinning 1,000 ha of 11-18 year-old aerially seeded jack pine stand in the Shiningtree SFL from 4,500 - 20,000 stems per ha to 1,400 - 1,900 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 Forest Stewardship Inc.
 Type Intensive 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 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 (\$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 1,500 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 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 1,050 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 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 1,000 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.

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 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 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 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 (6,000 stems per ha) plantations that were damaged during a November 1998 ice storm down to an average spacing of 2,500 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 (6,000 to 15,000 stems per ha) 9 to 15 year-old jack pine mixedwood plantations to densities of 1,500 to 1,800 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 (6,000 to 12,000 stems per ha) of 14 to 16 year-old Site Class 2 jack pine plantations to 1,400 to 1,800 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 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 1,500 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 1,500 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 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 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 1,800 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 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 5,073 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 Monctonville. Nipissing Forest SFL.

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 three 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 3,100 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 re-establishing 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 1,060 ha, tree planting on 1,460 ha and chemical tending on 1,060 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 re-establish 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 re-establishing 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 townships 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.

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 1,700 stems per ha. This area was tube planted 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 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 2,100 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 1,500 to 1,800 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 2001-02; \$35,825 in 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 1,500 to 1,800 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. 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 in 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 1,800 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.

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 1,725 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 \$62,88 (\$49,084 in 1999-00 and 13,797 in 2000-01).
Description The Fawn Fire Reforestation project consists of re-establishing 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 1,500 to 1,800 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 2001-02).
Description The North Church Road-Nipigon 10 Burn Plantation Establishment Project consists of mechanically site preparing 1,345 ha and planting 2,650,000 black spruce, jack pine and red pine seedlings at densities of 1,750 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 re-establishing conifer plantations on 1,250 ha of blowdown salvage areas on the Lakehead Forest west of Thunder Bay. Specifically the Project will site prepare 1,250 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 1,400 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 Inc.
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 1,500 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 1,500 to 1,800 stems per ha. Timiskaming Forest MU.

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 1,000 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.

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 2,600 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 1,400 to 1,700 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 (6,000 to 15,000 stems per ha) of 9 to 18 year-old Site Class 1 black spruce, red and white pine stands to 1,500 to 1,800 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 2002-03).
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 two years (\$73,490 in 2001-02; \$312,866 in 2002-03).
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 1,500 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 1,200 ha of high density aerially seeded juvenile jack pine plantations down to target densities of 1,700 to 2,100 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 in 2002-03).
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. Northshore 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 Northshore Forest. The Project will reduce the density of 16 to 20 year-old jack pine plantations from 2,700 to 3,000 stems per ha down to 1,500 to 1,900 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 Anishnawbeek First Nations. It also contributes to the Projected wood supply gap for jack pine sawlogs. Northshore Forest.
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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 re-establish 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 1,800 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 in 2001-02; \$189,60 in 2002-03; \$189,900 in 2003-04).
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 in 2001-02; \$191,343.50 in Years 2 and 3).
Description	This project consists of releasing 4,000 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.

ROUND FOURTEEN PROJECTS

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 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 6,000 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.

ROUND FIFTEEN PROJECTS

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 1,500 to 1,800 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 toward 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 433-2-R15

Applicant: Dryden Forest Management Co. Ltd.
 Type: Silvicultural remediation of abandoned agricultural lands.
 Funding: Approved \$62,226.
 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 re-establish 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 1,800 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 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 439-1-R15

Applicant Weyerhaeuser 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 1,800 to 2,200 stems per ha in Hill and Marshall townships. This will reduce rotation age and contribute to future conifer wood supply. Superior 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.

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 3,200 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 447-3-R15

Applicant Ontario Ministry of Natural Resources Parry Sound District
 Type Forest protection programs in response to insect infestation or disease
 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.

ROUND SIXTEEN PROJECTS

PROJECT NUMBER 457-2-R16

Applicant Weyerhaeuser Co. Ltd.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$109,602 (\$64,602 in 2002-03 and \$45,000 in 2003-04).
Description The Slate Lake blowdown reforestation project consists of harvesting, power disc trenching, and planting 250,000 black spruce and jack pine seedlings and aerially seeding 43 ha of salvage area. Approximately 216 ha will be aerially released with herbicide if required to reduce competition from non-crop species. This project will provide employment for local silvicultural workers including the local First Nations, and contribute to future conifer wood supplies. Trout Lake Forest.

ROUND SEVENTEEN PROJECTS

PROJECT NUMBER 468-1-R17

Applicant Atikokan Forest Products Ltd.
Type Intensive stand management to manually space juvenile jack pine to increase timber production where critical shortages occur.
Funding Approved \$50,339 in 2003-04.
Description This project consists of thinning 212 ha of dense aerially seeded jack pine plantations established by MNR between 1989 and 1993 along the Sedgwick and West Sedgwick Road systems. Portions of these stands were damaged in an ice storm in November 1998. Densities will be reduced from 5,000 to 8,000 trees per ha down to 1,800 to 2,500 stems per ha. This project will provide an estimated 735 person-days of local employment for silvicultural contractors and contribute to future jack pine and black spruce sawlogs and fiber supplies by bringing these xyz lands back into the productive forest base. Sapawe Forest.

PROJECT NUMBER 469-1-R17

Applicant Atikokan Forest Products Ltd.
Type Intensive stand management to manually space juvenile jack pine to increase timber production where critical shortages occur.
Funding Approved \$30,216 in 2003-04.
Description This project consists of moto-manually thinning 125 ha of planted red pine, jack pine and spruce plantations established between 1990 and 1997. Portions of these stands were damaged in an ice storm in November 1998. Densities will be reduced from 5,000 to 8,000 trees per ha down to 1,800 to 2,500 stems per ha. This project will provide local employment for silvicultural contractors and contribute to future jack pine, red pine, and black spruce sawlogs and fiber supplies by bringing these xyz lands back into the productive forest base. Sapawe Forest.

PROJECT NUMBER 473-2-R17

Applicant Greenmantle Forest Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically wind.
Funding Approved \$354,403 (\$115,988 in 2003-04; \$238,415 in 2004-05).
Description This project consists of mechanical site preparation and planting jack pine and black spruce at densities of 1,400 seedlings per ha of 1,084 ha of blowdown salvage. This project will provide local employment for silvicultural contractors. Lakehead Forest.

PROJECT NUMBER 483-2-R17

Applicant Weyerhaeuser Ltd.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$143,167 in 2003-04.
Description The Conifer Release of Chapleau Fire #01/1999 project consists of the aerial application of Vantage (glyphosate) herbicide applied by fixed-wing aircraft at 2.1 kg a.e./ha to control hardwood competition on 1511 ha of burn to control to release planted jack pine crop trees. This project will accelerate the growth of crop trees to meet future wood supply needs. Superior Forest.

ROUND EIGHTEEN PROJECTS

PROJECT NUMBER 503-2-R18

Applicant Domtar Inc.
Type Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding Approved \$29,414 in 2003-04.
Description The Crocker Lake Fire Salvage Harvest-Tending Project consists of chemically tending 306 ha of jack pine plantations established following the 1999 Crocker Lake fire. This will release conifer crop trees to increase

survival and growth. The Project will also provide employment for local silvicultural workers including those from the local First Nations. White River Forest.

ROUND NINETEEN PROJECTS

PROJECT NUMBER 515-1-R19

Applicant	Abitibi-Consolidated Company of Canada Inc.
Type	Intensive stand management to thin dense jack pine plantations to increase timber production where critical shortages occur.
Funding	Approved \$278,846 in 2004-05.
Description	The Tessup Road Junction Pre-commercial Thinning Project consists of tending 100 ha of dense 13 year-old jack pine plantations in one year. The treatment will reduce stand density from 10,000 to 1,500 to 1,800 stems per ha which will accelerate growth and increase the future supply of quality conifer sawlog and fibre. This Project will provide employment for students and First Nation silvicultural workers. Crossroute Forest.

PROJECT NUMBER 525-2-R19

Applicant	Trus Joist-Kenora and Weyerhaeuser
Type	Silvicultural remediation of areas depleted by natural causes, specifically fire.
Funding	Approved \$7,312 in 2004-05.
Description	The Kenora Forest-Catastrophe Lake Fire Replant Project will re-establish black and white spruce plantations on 12 ha burned in an August 2003 wildfire. Kenora Forest.

APPENDIX 5

ENHANCED FOREST PRODUCTIVITY SCIENCE PROGRAM

PROJECTS APPROVED FOR FUNDING

ROUND 01

ROUND ONE PROJECTS

PROJECT NUMBER: EFPS 002-1-R1

Project Title: Assessment of Jack Pine Budworm Impacts in Ontario Forests for the Development and Implementation of a Decision Support System
Applicant: BioForest Technologies Inc.
Funding: \$318,000
Duration: 3 Years

PROJECT NUMBER: EFPS 003-1-R1

Project Title: Forest Co-op Growth & Yield Permanent Growth plot program
Applicant: Forest Ecosystem Science Co-operative
Funding: \$576,000
Duration: 3 Years

PROJECT NUMBER: EFPS 008-1-R1

Project Title: Acquiring and testing Multiband orthophotography (and integrated LIDAR) for production of enhanced forest inventories in the Great Lakes St. Lawrence Forest
Applicant: Forest Research Partnership
Funding: \$532,000
Duration: 3 Years

PROJECT NUMBER: EFPS 009-1-R1

Project Title: Second-Generation Breeding and Testing for Jack Pine and Black Spruce
Applicant: Forest Genetics Ontario
Funding: \$320,000
Duration: 3 Years

PROJECT NUMBER: EFPS 010-2-R1

Project Title: Environmental Impacts of Partial Harvesting in Riparian Reserves of Ontario's Mixedwood Forests: Post-Logging Assessment Phase
Applicant: Great Lakes Forestry Centre, Canadian Forest Service
Funding: \$206,000
Duration: 3 Years

PROJECT NUMBER: EFPS 012-2-R1

Project Title: Extension Project - Forestry Research Partnership
Applicant: Forest Research Partnership
Funding: \$196,000
Duration: 3 Years

PROJECT NUMBER: EFPS 014-2-R1

Project Title: Logging Damage Impacts
Applicant: Forest Research Partnership
Funding: \$96,000
Duration: 3 Years

PROJECT NUMBER: EFPS 016-2-R1

Project Title: Regenerating Boreal Mixedwoods: Effects of Herbaceous Vegetation Control and Aspen Stem Density on Stand Development
Applicant: Forest Research Partnership
Funding: \$96,000
Duration: 3 Years

PROJECT NUMBER: EFPS 017-2-R1

Project Title: Parks de Gully Tolerant Hardwood Selection Harvesting and Product Recovery Study
Applicant: Forest Research Partnership
Funding: \$20,000
Duration: 3 Years

PROJECT NUMBER: EFPS 018-2-R1

Project Title: Spatial Planning for Sustainable Forest Management
Applicant: Forest Research Partnership
Funding: \$157,000
Duration: 3 Years

PROJECT NUMBER: EFPS 020-2-R1

Project Title: Effects of Early Herbaceous and Woody Vegetation control on Eastern White Pine Regeneration
Applicant: Forest Research Partnership
Funding: \$50,000
Duration: 3 Years

PROJECT NUMBER: EFPS 021-2-R1

Project Title: Yield Curve Refinement - Northeastern and Southern Ontario
Applicant: Forest Research Partnership
Funding: \$42,000
Duration: 3 Years

PROJECT NUMBER: EFPS 028-2-R1

Project Title: Developing and Evaluating Stem Profile Models for Plantation Grown Jack Pine and Black Spruce Trees at Varying Stand Density
Applicant: Ontario Forest Research Institute, MNR
Funding: \$244,000
Duration: 3 Years

PROJECT NUMBER: EFPS 029-2-R1

Project Title: Development of Habitat Element Curves using Processed-Based Modeling
Applicant: Centre for Northern Forest Ecosystem Research, MNR
Funding: \$42,000
Duration: 2 Years

PROJECT NUMBER: EFPS 032-2-R1

Project Title: A large-scale experimental and longitudinal investigation of the impact of selection harvest regimes on sustainable forest management
Applicant: Biology Department, Trent University
Funding: \$113,000
Duration: 3 Years

PROJECT NUMBER: EFPS 035-2-R1

Project Title: Multi-Cohort Forest Management in North-Eastern Ontario: Cohort Classification, Associated Wildlife Communities, and Projected Stand Dynamics
Applicant: Faculty of Forestry, University of Toronto
Funding: \$305,000
Duration: 3 Years

PROJECT NUMBER: EFPS 039-2-R1

Project Title: Forest management in riparian areas: ensuring the protection of biodiversity, ecosystem values while maximizing timber production - Stand-level to landscape-level analysis
Applicant: Faculty of Forestry and the Forest Environment, Lakehead University and Centre for Northern Forest Ecosystem Research, MNR
Funding: \$200,000
Duration: 3 Years

PROJECT NUMBER: EFPS 044-2-R1

Project Title: Completion of the Northern Ontario Plant Database
Applicant: Upper Lakes Environmental Research Network
Funding: \$83,000
Duration: 2 Years

PROJECT NUMBER: EFPS 048-2-R1

Project Title: Expanding the Application of the Canadian Carbon Budget Model to Forest Management Planning in Ontario's Boreal Forest
Applicant: Faculty of Forestry and the Forest Environment, Lakehead University
Funding: \$60,000
Duration: 3 Years

PROJECT NUMBER: EFPS 049-2-R1

Project Title: Ivy: a Robust and Versatile Stand Dynamics Model
Applicant: Great Lakes Forestry Centre, Canadian Forest Service
Funding: \$94,000
Duration: 3 Years

PROJECT NUMBER: EFPS 053-2-R1

Project Title: Aboriginal expectations of sustainable forest management and the perceived effectiveness of Ontario forest practices and forest certification
Applicant: National Aboriginal Forestry Association
Funding: \$136,000
Duration: 2 Years

PROJECT NUMBER: EFPS 054-2-R1

Project Title: Adjustments to Seed Source Selections and Breeding Zones to Compensate for Predicted Climate Change in Ontario
Applicant: Faculty of Forestry and the Forest Environment, Lakehead University
Funding: \$61,000
Duration: 2 Years

PROJECT NUMBER: EFPS 055-2-R1

Project Title: Ace Effects of Vegetation Management Alternatives
Applicant: Faculty of Forestry and the Forest Environment, Lakehead University
Funding: \$159,000
Duration: 3 Years

PROJECT NUMBER: EFPS 056-2-R1

Project Title: Evaluation and improvement of free-to-grow assessment methods and standards through operational integration of field and remotely sensed procedures
Applicant: KBM Forestry Consultants Inc.
Funding: \$86,000
Duration: 2 Years

PROJECT NUMBER: EFPS 057-2-R1

Project Title: Effect of Partial Harvesting and a Forest Tent Caterpillar Outbreak on Stand Development of a Boreal Mixedwood Stand
Applicant: Northeast Science and Information Section, MNR
Funding: \$32,000
Duration: 1 Year

PROJECT NUMBER: EFPS 060-2-R1

Project Title: Evaluating the Effects of Post-Harvest Silvicultural and Intensive Forest Management Practices on Boreal Landbirds
Applicant: Bird Studies Canada
Funding: \$104,000
Duration: 2 Years

PROJECT NUMBER: EFPS 064-2-R1

Project Title: Evaluation of the Resistograph to Assess Wood Density and the Use of Multi-Trait Selection Index for Genetic Selection in Jack Pine
Applicant: Forest Genetics Ontario
Funding: \$40,000
Duration: 2 Years

PROJECT NUMBER: EFPS 067-2-R1

Project Title: Developing Sustainable Boreal Mixedwood Practices in a Stand Level Adaptive Management (SLAM) Framework
Applicant: Ontario Forest Research Institute, MNR
Funding: \$209,000
Duration: 3 Years

APPENDIX 6

FORESTRY FUTURES FIELD VISIT REPORT

ARMSTRONG FOREST

Project No: 497-2-R18
Date: 24 June 2004
Location: Armstrong, NW ON
Year of Project: 2003-04 to 2005-06
Total Requested Funding: \$536,025

Category: Silvicultural remediation of areas depleted by wind
Participants: Maureen Kershaw (photos), John Naysmith, Robert Booth,
Spooner Collins Domtar Inc.

Project Description

A site visit to the Armstrong Blowdown/snow damage - jack pine regeneration project area occurred on 24 June 2004. The Committee viewed a large area of 15 to 30 year-old jack pine stands with variable damage. Some areas were completely laddered with up to 80 percent of damage. Other areas had large areas of leaning trees with pockets of less wind/snow damaged stems. The stands were damaged in an October 2001 wind and snow storm. The resulting stand represented a fire hazard and a loss of fibre close to the Company's mill.

The Committee members were able to see the equipment at work. The damaged trees were shredded and chipped with a maneuverable prime mover equipped with a Fecon Bullhog and BH350 mulching head and will be planted to jack pine. This machinery was observed to steadily traverse through leaning and layered downed 15 to 25 year-old jack pine creating a treated pathway of chipped material. Of particular interest was the survival of a Moccasin Flower (orchid) under the path of the equipment in spite of the total shredding of the tree material. The depth of the surface chips varied from sparse to several cm thick. There was some concern that the deeper mulch might shorten the growing season for the seedlings by delaying spring warming up of surface soils. The Company agreed to establish test plots to follow the growth of seedlings in control areas compared to areas of deeper chips. Seedlings will be planted at 1,800 seedlings per ha.

Contribution to Wood Supply

This project assists in contributing to the long-term wood supply issues on the Armstrong Forest and reducing short-term forest fire hazard from the damaged trees.

These damaged jack pine plantations were of great value as they were located on accessible, productive sites close to the mill. Their current condition (post wind damage) of low stocking, poor form, and anticipated pathogen and insect damage would contribute little to the future affordable wood supply. By re-establishing a productive jack pine plantation, it is anticipated that the treated 300 ha area will produce 63,300 cu m of softwood at rotation (based on a projected growth rate of 211 cu m/ha). This is an increase of 178 cu m of conifer volume per ha.

A total damaged area of 2,600 ha was mapped. Future projects may selectively treat those areas of greatest damage.

Cost Sharing: Forestry Futures Committee committed to supporting the remediation project up to \$950 per ha for site preparation. The Renewal Trust fund will support the tending and survival assessments of the project. Local First Nations partners will be involved in the tree planting portion of the project.



Photograph 1. Shredding equipment operated successfully among the blowdown to create an area that could be easily planted.



Photograph 2. The depth of layered blowdown in the over-15 year-old plantation created a fire-susceptible mat of trees. It was difficult to determine how much, if any, exposed mineral soil had been created by the blowdown. The blowdown left snags mixed in with standing, leaning and fallen trees.



Photograph 3. Site preparation activities flattened laddered trees to create a plantable site to reestablish plantations.



Photograph 4. Photo taken in a separate part of the blowdown, following treatment showing the successful clearing of windfall.