

Forestry Futures Trust Committee 2006/07 Annual Report



Forestry Futures Trust Committee

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*The FFTC thanks Bill Wiltshire
for supplying the cover photo*

Forestry Futures Trust Committee
2006/07 Annual Report

Forestry Futures Trust Ontario

Forestry Futures Trust Committee

H. Maureen Kershaw, R.P.F., Chair

David Balsillie, R.P.F. (Hon.), Member

Mike Barker, Member

Bob Elliott, R.P.F., Member

Rick Monzon, R.P.F., Member

Mona Wiltshire, R.P.F., General Manager

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Independent Forest Audit

Thom McDonough, Diane Black, FFT Secretariat

Diane Dixon, Administrative Support

Nicole McCourt and Charlotte Miller, Annual Report Preparation



**FORESTRY
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January 23, 2008

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Committee Chair

David Balsillie, RPF (Hon)
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Mike Barker
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Bob Elliott, RPF
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The Honourable Donna Cansfield
Minister of Natural Resources
Government of Ontario
Whitney Block
99 Wellesley Street West
Toronto, ON M7A 1W3

Dear Honourable Donna Cansfield,

It is with pleasure that I provide you with the 2006/07 Annual Report for the Forestry Futures Trust. In 2006/07 the Forestry Futures Trust Committee (FFTC) oversaw the administration and management of five key programs: the original Silvicultural Fund to support initiatives to renew forests damaged by natural disasters or past poor practices, the Enhanced Forest Productivity Science program, the Independent Forest Audit (IFA), the Far North Forestry Development (FNFD) program to support land use planning north of the Area of the Undertaking, and the enhanced Forest Resource Inventory Program (eFRI).

The full Committee met 22 times during the year, with an additional 16 meetings attended by a portion of the Committee. Three (3) meetings were conducted by teleconference. Over half of the in-person meetings extended over 2 days. The Committee's time in discussing and administering the various programs this year was divided as follows: 40% eFRI, 30% IFA, 15% EFPS and 15% FNDF program

The Committee reviewed and responded to over 32 Project Work Reports and 37 Project Applications with respect to the Silvicultural program, approving funding for 20. The number of projects approved was lower than in past years, reflecting limited funds not a decrease in the merit of the projects proposed.

The FFTC responsibilities regarding the IFA program include the selection of the audit firms, review of Draft Final Audit Reports, provision of observations to the audit firms on the projects, final acceptance of the reports and review of the 5 year review of the IFA program. In 2006/07 five audit firms conducted 15 forest audits, totaling 115 completed forest audits to date. These audits provide an effective tool to identify areas of forest management that require improvement and a vehicle to highlight and document the successful forest management occurring throughout many parts of Ontario. The audits continue to provide reassurance to the public, through an independent process, that the forests of Ontario, with few exceptions, are very well managed.

One of the most rewarding aspects of this year was that support was provided for 50% of the 28 proposals submitted under a more targeted Enhanced Forest Productivity Science program. The applicants included researchers and practitioners from the private sector, Universities, Colleges, provincial government, federal government and other research organizations including FERIC, FORINTEK, and Forest Genetics Ontario. It was also very satisfying to see the progress and enthusiasm for community-based land use planning initiatives funded through the FNFD. In addition, this was the first full year that the Committee and MNR worked cooperatively to deliver the new enhanced FRI (eFRI) program. This program continues to experience start-up challenges common to launching new initiatives; however it is progressing well to deliver the much needed updated inventories.

The Committee is very aware that the state of the forest industry in northern Ontario has lead to reduced harvest levels thus reduced income into the Trust. The reduced funding levels have created new challenges in managing projects and programs funded by the Trust. It has also led to creative ways of tracking programs and scheduling activities to maximize the use of the Trust funds. The committee has spent considerable time this year focusing on this challenge.

I am pleased to be able to serve as Chair for the Forestry Futures Trust Committee and believe that the work supported by the Trust continues to provide an effective contribution to sustainable forestry in the province. It is gratifying to work with the dedicated FFT Committee members, as well as foresters, technicians and researchers across Ontario who effectively manage and monitor the forests with enthusiasm and expertise.

Yours sincerely,

A handwritten signature in blue ink, reading "H. Maureen Kershaw". The signature is written in a cursive, flowing style.

H. Maureen Kershaw, R.P.F.

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INTRODUCTION

The 2007 Annual Report of the Forestry Futures Trust Committee (FFTC) marks the twelfth year of operation of Ontario's Forestry Futures Trust (FFT). 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 Dexia Investor Services Trust and funds are allocated to successful applicants under the direction of the *Forestry Futures Trust Committee*. The Committee members are appointed by the Minister for a three year term, which may be renewed at the discretion of the Minister. The Trust is funded by harvest volume charges on Crown Timber 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:

1. Independent Forest Audit program (IFA)
2. Enhanced Forest Productivity Science program (EFPS)
3. Reclamation of Class Z or Category 1 lands.

In addition, the FFTC is managing funds for two other programs:

1. Far North Forestry Development Initiative program (FNFD). This program supports the development of community based land use planning in the part of northern Ontario not covered by the Timber Class Environmental Assessment. Funds for this initiative came from a single deposit from the Ministry of Natural Resources (MNR) to the Forestry Futures Trust.
2. Enhanced Forest Resource Inventory (eFRI) Program Funds for this program come from a percentage of the harvest volume charge that is paid by the Sustainable Forest Licensees on Crown Timber. These funds are administered from a separate account within the Forestry Futures Trust account.

Eligible Applicants

The Silvicultural Projects applications can be submitted by Sustainable Forest Licence holders who have a forest management unit account or sub-account in good standing 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 harvesting of Crown timber.

For the Far North Forestry Development Initiative, there are 15 eligible First Nations or affiliated Tribal Council applicants in the defined Northern Boreal Initiative Area north of the Timber Class Environmental Assessment (EA) Area of the Undertaking. First Nations working with Ministry of Natural Resources will engage in work related to consultation activities, community-based land use planning and the collection of Aboriginal and forest values in order to explore the potential for/or support economic development.

The Enhanced Forest Productivity Science program, which is winding down, was open to all forest researchers (government, industry, academic and private) through a request for proposal system. EFPS applicants are required to provide matching funding from other sources. Research conducted under EFPS is intended to benefit forest sustainability on Crown lands in Ontario and all results will be available in the public domain. Information and knowledge generated from EFPS projects are required to be communicated by the investigators to the forestry community and other relevant groups using a variety of effective methods including publication, presentations, website and workshops.

Although funding for the Enhanced Forest Resource Inventory program is administered by the FFTC, it is a MNR program managed by the MNR and therefore regulated by their work standards and government wide procurement and contract management requirements. The FFTC has developed procedures to approve payments for eFRI work done for invoices authorized by the responsible MNR managers.



Left to right Mike Barker (FFTC), John Naysmith (FFTC), Bill Klages (Bowater), and Maureen Kershaw (FFTC)

COMMITTEE BUSINESS

2006/07 was a year of transition for the Forestry Futures Trust Committee and staff. In June 2006, the FFTC administration office moved to a new location on the Lakehead University Campus, setting up in Suite 202A at 1294 Balmoral Street. Mona Wiltshire R.P.F. was hired as the General Manager in September 2006 to closely oversee the day to day operations. The Committee thanks Ms. Diane Dixon, for her many years as the committee's administrator. She has moved on to new endeavors. It was also the first full year for three new committee members Mr. David Balsillie R.P.F. (Hon), Mr. Bob Elliott R.P.F. and Mr. Rick Monzon R.P.F. who join longstanding members Mr. Mike Barker and Ms. H. Maureen Kershaw R.P.F. Maureen has been a member of the Committee since inception and in 2006 was appointed Chair.

The Committee embraced a new mandate by accepting the administration of the provincial eFRI program with a program budget of \$10 M per year. As harvesting levels have fallen in the province due to the economic climate in the forest industry, Trust income has been reduced commensurately. Consequently the Trust fund status is even more carefully monitored and decisions have become more challenging. With funding insufficient to fully finance all eligible Silvicultural projects, only a small number of the projects that merited support are being selected. As Chair, I am grateful for the continued dedication of the secretarial support from the Ontario Ministry of Natural Resources Forest Management Branch, FFTC office staff, and Committee members who operate with a high level of professionalism and commitment. Decisions by the Committee continue to be made after careful consideration of the facts, and with thorough deliberation focusing on the underlying principle of making decisions that will be good for the forest.

Forestry Futures Trust: Silviculture Program Stand Management, Remediation and Protection Program

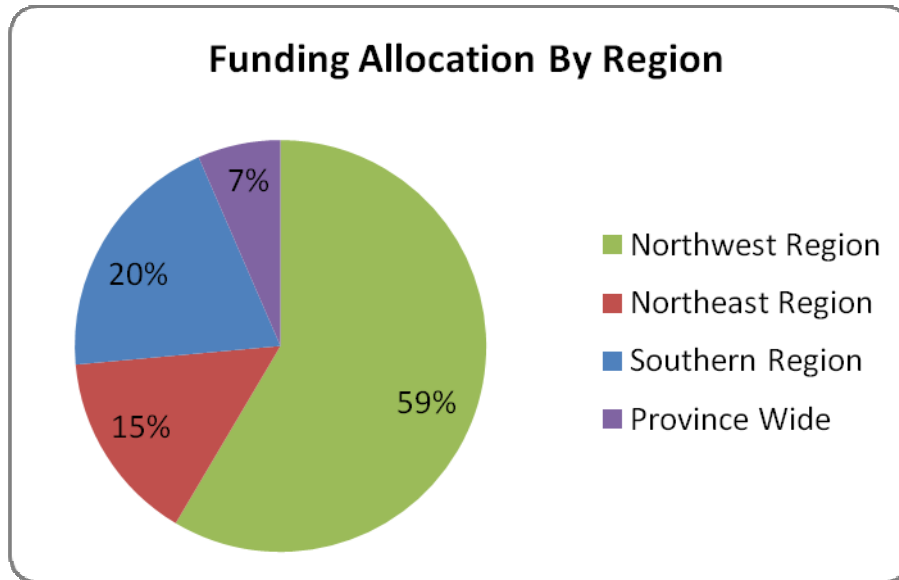
The Committee extended both a Fall 2006 and a smaller Spring 2007 call for applications for the stand management, remediation and protection program in 2006/07. The approval of applications received in these two rounds was influenced by the uncertainty of the level income into the Trust and ongoing commitments. As expenses to treat stands damaged by natural disturbances increase dramatically if areas are not treated in a timely fashion, remediation projects were therefore given a higher priority in the Spring round. Efforts are ongoing to explore strategies to stabilize the fund and to gain efficiencies in tracking and dispersing funds.

Table 1: Distribution of applications and approvals fiscal year 2006-2007

Round Number	Call for Proposals	Date of Review	Number of Applications	
			Received	Approved
24	September 2006	October 25, 2006	11	9
25	February 2007	March 14, 2007	26	11
TOTAL			37	20

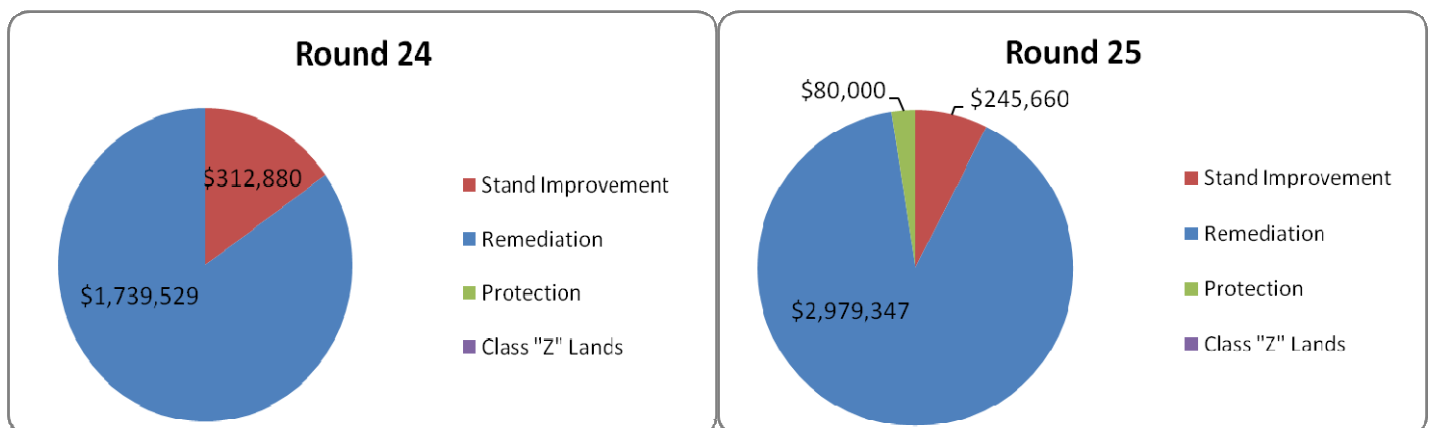
The Committee received 37 projects applications requesting funds totaling \$12.76 M. Of these, 20 (54%) were approved for a total funding amount of \$5.35 M. This reflects the significant decrease in available funds in the FFT, not a decrease in the merit of the projects submitted. Figure 1 shows the regional distribution of funding allocated in 2006/07. The high proportion of funding allocated to northwestern Ontario reflects the higher incidence of larger fires in this geographic area of the province coinciding with the priority given to treat this type of activity.

Figure 1: Funding allocation by region in 2006/07



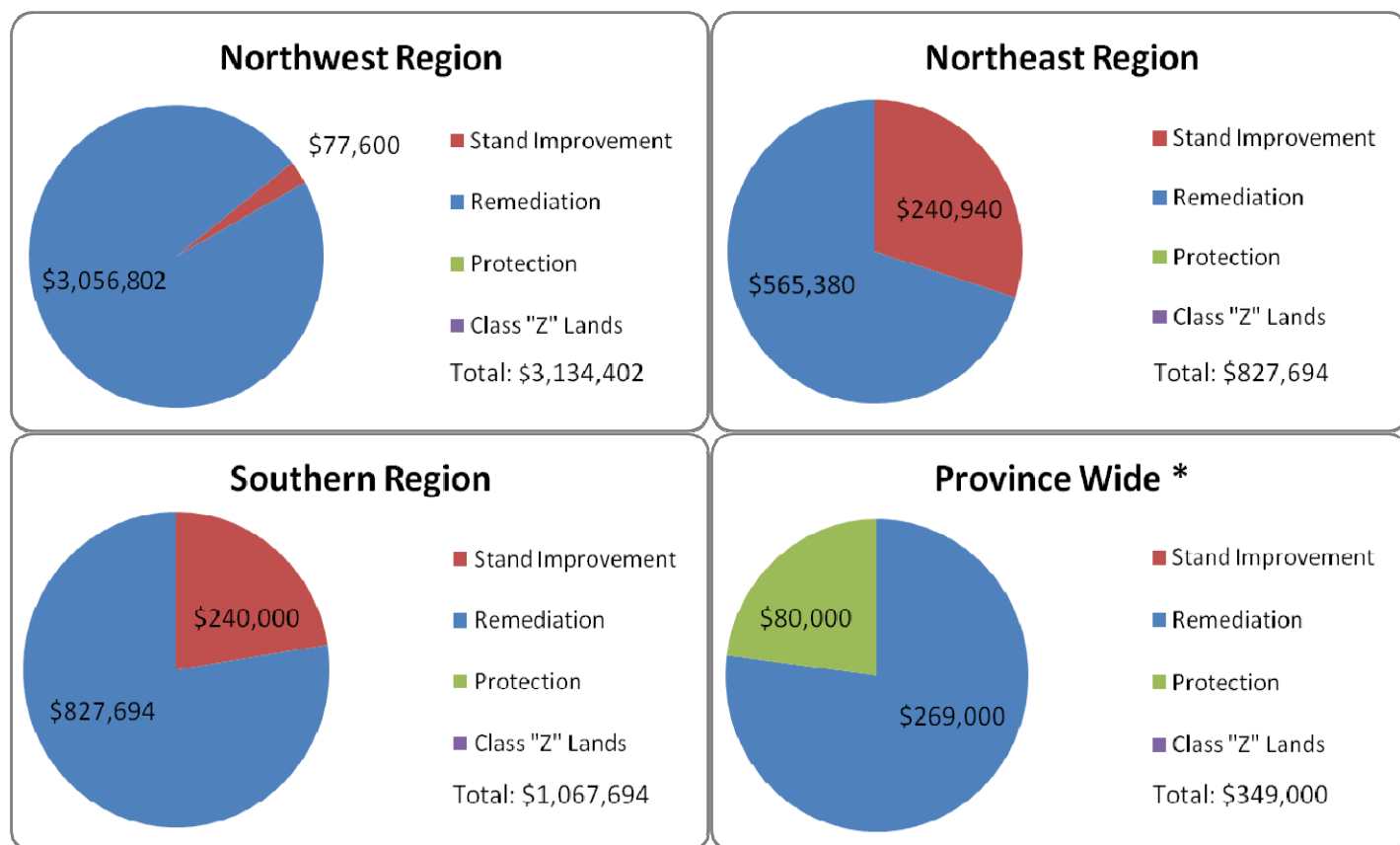
The distribution of funding by each activity is presented in Figure 2. The high percentage of funding directed towards remediation in this fiscal year is a direct reflection of priorities established by the Committee to manage the distribution of limited funds. It should be clarified that ongoing projects in stand improvement and treatment of Class Z lands are still supported by the fund and are successfully treating the forest. The small allocation (\$80,000) for protection represents a very minor contribution to the overall Provincial program for managing insect and disease infestations of public forests. MNR funded a very large spray program in Northwestern Ontario to control jack pine budworm.

Figure 2: Funding allocation by category for Rounds 24 and 25.



See Appendix 9 for a Trends Analysis: Distributions of funds by Category from 1995 – 2007.

Figure 3: Regional distribution of Trust funds by category for 2006/07



**Note: Province Wide represents the Insect remediation and Jack pine Budworm projects*

Legend Categories

1. **Stand Improvement:** Intensive stand management activities
2. **Remediation:** Silvicultural needs resulting from forces of natural depletion
3. **Protection:** Forest protection programs in response to insect infestation or disease
4. **Class "Z" Lands:** Silviculture activities required to bring Class Z lands back to free to grow state

Table 2: Summary of committed and available funds (at the end of fiscal year 2006-2007)

FFT Account	2002/2003	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008	2008/2009	2009/2010
INCOME								
Starting Balance	16,652,069	22,634,472	23,563,076	22,680,562	17,078,230	4,532,829	-2,817,024	-592,239
Revenue	12,729,368	12,729,421	11,547,932	10,438,017	9,166,399	7,492,602	7,500,000	7,500,000
Carry-forward	2,955,664	2,449,669	2,736,861	3,135,589	2,467,222	295,059	0.00	0.00
TOTAL INCOME	32,337,101	37,813,561	37,847,870	36,254,168	28,711,850	12,320,490	4,682,976	6,907,761
EXPENSES								
FFTC Trustee & Audit Fees	81,138	99,637	79,119	85,000	85,000	85,000	85,000	85,000
FFTC Expenses	312,388	316,290	341,391	526,288	748,550	706,540	600,000	600,000
SUB-TOTAL	393,526	415,927	420,510	611,288	833,550	791,540	685,000	685,000
Silviculture Program/Funds Committed by Round								
	2002/2003	2003/2004	2004/2005	2005/2006	2006/2007	2007/2008	2008/2009	2009/2010
Round 10	361,200							
Round 11	1,284,944							
Round 12	655,410	388,390						
Round 13	1,782,859	747,546						
Round 14	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	3,075,713				
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		
Round 22				173,800	2,163,675	1,048,172	504,478	
Round 23					8,797,154	3,167,586	1,391,230	
Round 24					96,800	1,112,407	558,742	284,460
Round 25						1,964,977	682,665	657,365
TOTAL	8,431,979	13,094,952	12,902,058	15,091,604	18,542,348	11,253,760	3,137,115	941,825
Other Purposes								
IFA Fees	877,124	739,606	1,144,739	1,197,246	1,702,732	885,539	550,000	880,000
EFPS								
Round 1				1,575,800	1,687,000	1,252,925	61,275	
Round 2					713,391	667,985	441,825	
Memberships **			700,000	700,000	700,000	700,000	700,000	700,000
SUB-TOTAL	877,124	739,606	1,844,739	3,473,046	4,803,123	3,506,449	1,753,100	1,580,000
TOTAL EXPENSES	9,702,629	14,250,485	15,167,307	19,175,938	24,179,021	15,551,749	5,575,215	3,206,825
CURRENT YEAR BALANCE	22,634,472	23,563,076	22,680,562	17,078,230	4,532,829	-3,698,391*	-1,773,606*	2,519,569

*Greatly reduced income to the Trust has led to a forecasted negative balance. Measures are in place to ensure that the actual year end balance will not result in a deficit.

** Commitments by the Minister of Natural Resources – Membership to Fortintek and Forest Genetics Ontario

Applicants' Contributions

For Rounds 24 and 25, project applicants' contributions amounted to \$1.9 M or 27% of the total cost of the projects approved for Forestry Futures Trust funding, (see Table 3 below). Applicant contributions have increased by 3% from the previous year. Applicants are required to make direct financial and/or in-kind contributions to the projects. Partnerships bring expertise and resources to the projects and provide a strong signal of commitment to the activities funded through the Trust. In addition, contributions from partners make Trust funds accessible to a larger number of potential applicants.

Table 3: Percentage of applicants' contributions in rounds 24 and 25

Round and Category	Total			
	Funds Requested	Applicants' Contributions	FFT Approved	% of Applicant Contribution
Round 24				
1. Stand Improvement	346,800	75,837	312,880	19.51%
2. Remediation	3,618,773	622,512	1,739,529	26.35%
3. Protection	0	0	0	0.00%
5. Class "Z" Lands	0	0	0	0.00%
6. Other	0	0	0	0.00%
TOTAL FOR ROUND 24	3,965,573	698,349	2,052,409	25.39%
ROUND 25				
1. Stand Improvement	425,690	136,855	245,660	35.78%
2. Remediation	3,142,277	983,320	2,979,347	24.81%
3. Protection	80,000	118,500	80,000	59.70%
5. Class "Z" Lands	0	0	0	0.00%
6. Other	0	0	0	0.00%
TOTAL FOR ROUND 25	3,647,967	1,238,675	3,305,007	27.26%
TOTAL ROUND 24 AND 25	7,613,540	1,937,024	5,357,416	26.55%

Signage

To date, the Committee has provided 124 signs for 119 projects funded by the Forestry Futures Trust. Signs are prepared for completed projects that occur in areas visible to the public. These signs inform the public about selected positive stand improvement and remediation work being carried out in Ontario forests. Signs representing the various projects are distributed throughout the province as follows: 49 in the Northwest region, 33 in the Northeast, and 37 in the Central Region (formerly known as South Central and Southern Ontario). Multiple signs were erected on the larger, well-accessed projects.

In the Northwest, 24 signs provide information on stand improvement work where conifer stands (jack pine, red pine, spruce) are spaced to promote the growth of larger diameter crop trees for future sawlog production. 25 signs provide information on regeneration projects to re-establish jack pine, white pine, black spruce, and white spruce forests following loss of productive forests to fire and major wind/ice storms. One sign was erected to provide information on a Class "Z" land project (or lands that are a part of a sustainable forest licence for which the licence holder is not responsible for forest renewal.) Signs provide information on slash pile burning and regeneration of salvage-harvested forests which were degraded by spruce budworm near Longlac and Dryden.

In the Northeast, 19 stand improvement projects and 14 remediation projects have received signage. Stand improvement projects include those that tend conifer stands to free them from non-crop competition. Partnerships with the First Nation members of the Anishinabek First Nation were established to carry out the work along the North Shore. Work was also carried out to remove unmerchantable stems from tolerant hardwood stands in Sault Ste. Marie through to North Bay. These projects are designed to increase the production of quality sugar maple and yellow birch suitable for higher value sawlog and veneer markets. The remediation projects represent regeneration programs to re-establish forests in the areas burned, most recently in the Englehart area.

In Central Ontario (formerly known as South Central and Southern Ontario), 33 stand improvement projects and 4 remediation projects have received signage. The projects in this region consist of treatments to improve the quality of tolerant hardwood forests, to re-establish red oak, yellow birch and white pine in forests where they grew historically, and to space hardwood crop trees to increase the economic value of crop trees in the forests. One sign was erected in the French/Severn Forest to report work that spaced red pine plantations to increase the production of pole and sawlog material.



Sign was erected to provide the public with information about a thinning Forestry Futures project in the Whiskey Jack Forest.

The Independent Forest Audit (IFA) Program

The Forestry Futures Trust Committee implements the IFA on behalf of the Minister of Natural Resources and is responsible for: the allocation of funds; selecting audit firms; contract management and 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 the Ontario MNR concerning revisions to the audit program and IFA process and protocol, coordinates auditor orientation sessions with MNR, and makes recommendations to the Minister of Natural Resources as required or appropriate.

The 2006/07 Independent Forest Audit program resulted in the successful completion of fifteen independent forest audits. The Committee reviewed proposals from seven audit firms to conduct independent forest audits, and selected five audit firms to undertake the IFA on fifteen Forests. The fifteen IFAs were awarded, at a total cost of \$1,566,140 as follows:



Algoma Forest Audit, example of white birch stand improvement to promote quality log production.

Arborvitae Environmental Services Ltd.: Bancroft Minden Forest, French Severn Forest, Nipissing Forest and Shining Tree Forest

Arbex Forest Resources Consultants Ltd.: Lac-Seul Forest, Magpie Forest and Temagami Crown Management Unit

BioForest Technologies Inc.: Black Sturgeon Forest and Spruce River Forest

Dave Barker and Associates: Black River Forest

KBM Forestry Consultants Inc.: Algoma Forest, Armstrong Forest, Lake Nipigon Forest, Pic River Ojibway Forest and Sudbury Forest

The 2006 final audit reports await tabling in the legislature. Once tabled in the legislature, the reports will be posted on the FFT website at www.forestryfutures.ca and available to the public.

The auditors reported that the forests on all fifteen IFAs, are well managed and recommended license extension. A total of 294 recommendations and numerous suggestions were provided by the auditors to improve forest management on these forests. All of the recommendations and many of the suggestions will be addressed in Action Plans developed by MNR, SFL holder(s) and local

citizens' committees. The completion and public release of the 2005 audit reports marks the 10th year anniversary of the IFA program and completion of 100 audit reports since 1996. The number of IFAs conducted has varied from year to year based on 5 year rotations. Table 5 shows the number of audit reports completed and tabled in 1996 – 2005:

Table 5: IFA reports completed and tabled in 1996-2005.

Year	Number of Reports
1996	4
1997	10
1998	6
1999	11
2000	16
2001	19
2002	9
2003	6
2004	8
2005	11
Total	100

Forestry Futures Trust Committee and MNR staff have maintained a database of recommendations, suggestions and best practices. Figure 4 shows trends in categories of the most common recommendations raised in the IFA reports over the past ten years:

- Planning and Reporting relates to the forest management planning process required by the MNR. The increased frequency may reflect the increasing complexity related to the forest management planning process.
- Compliance recommendations largely relate to the number and quality of the inspections of forest operations or the need to meet administrative requirements such as planning and forecasting of inspections.
- Legal/policy recommendations are usually directed to Corporate MNR and address forest management planning issues that apply across the region or province.
- Public consultation recommendations generally relate to meeting the public consultation requirements of the forest management planning process.

Figure 4: Five most common recommendation subject areas for 1996-2005

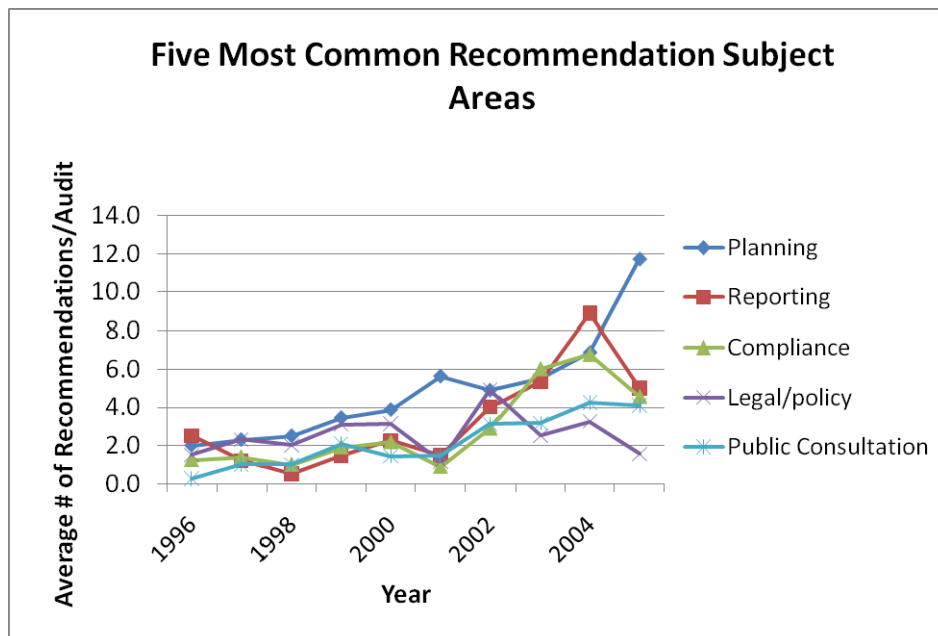
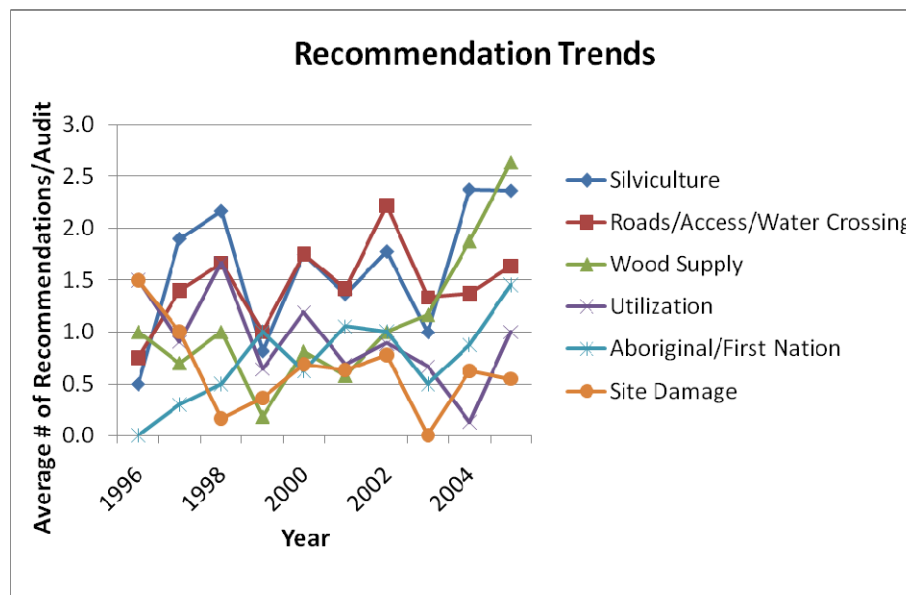


Figure 5 illustrates trends in recommendations related to on-the-ground performance, classified into six subject areas. The graph shows that wood supply is the one subject area that shows a consistent increase in the number of recommendations which can be related to modeling. Aboriginal and First Nation issues generally deal with planning consultation efforts and are also increasingly being addressed through action plans following audit recommendations. The number of recommendations that address site damage and utilization show a decreasing trend over the ten year period.

Figure 5: Subject area recommendations 1996-2005 that provide trends in on-the-ground performance.



Of the 100 IFAs completed, four of the forests failed to meet all necessary requirements. In the cases where the Forest was subject to a Sustainable Forest License, the auditors recommended that the Minister of Natural Resources, not extend the license for an additional 5 years. In two additional IFAs the auditors found significant shortcomings but provided a conditional recommendation for license extension to the Ministry of Natural Resources. The outcome in these six audits has provided the incentive for MNR and the forest industry to make measurable improvements to remedy the weaknesses identified in the audits

Enhanced Forest Productivity Science (EFPS) Program

The Enhanced Forest Productivity Science (EFPS) program was established in January 2005 as a three-year initiative with an allocation of \$2.3 M per year from the Forestry Futures Trust Fund. Funds from the EFPS program were available to applicants through an open application process.

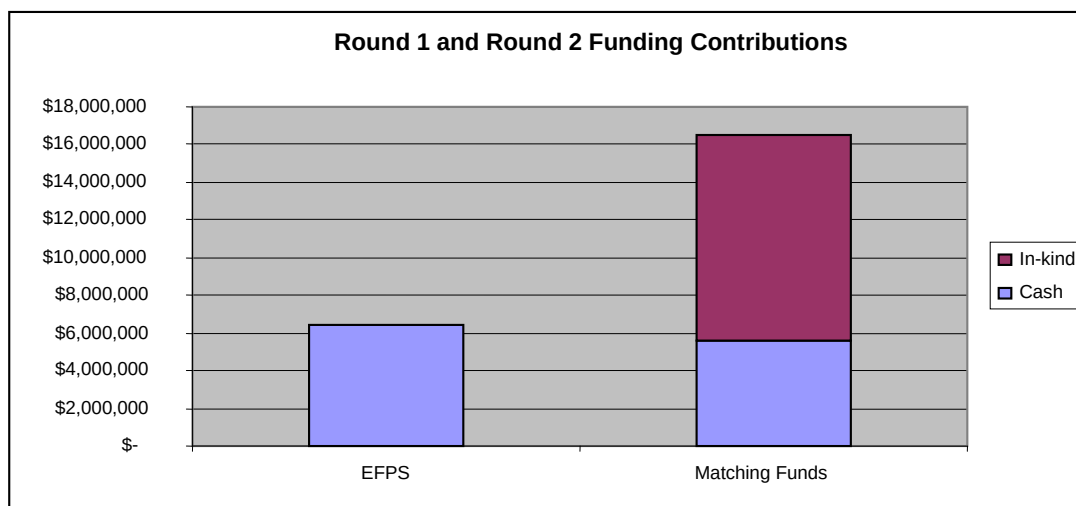
The purpose of the Enhanced Forest Productivity Science program is to support scientific initiatives that have significant potential to improve the productivity of Ontario's Crown Forests within the Timber Class EA Area of the Undertaking, consistent with the criteria and indicators of sustainable forest management. The work conducted under the EFPS program is intended to benefit forest sustainability on Crown lands in Ontario. All results are considered to be in the public domain and all information and knowledge generated from these projects are required to be communicated by the investigators to the forestry community and other relevant groups.

The Committee issued a Round 1 Request for Proposals in February 2005 and completed project selection by mid-April. Of the 71 proposals received, 28 projects were funded or partially funded for a total of \$4.6 M.

A Round 2 Request for Proposals was issued in October 2005 with final selections made by April 2006. Of the 28 proposals received, 14 projects were selected for funding of which 11 were fully funded and 3 were partially funded for a total of \$1.8 M.

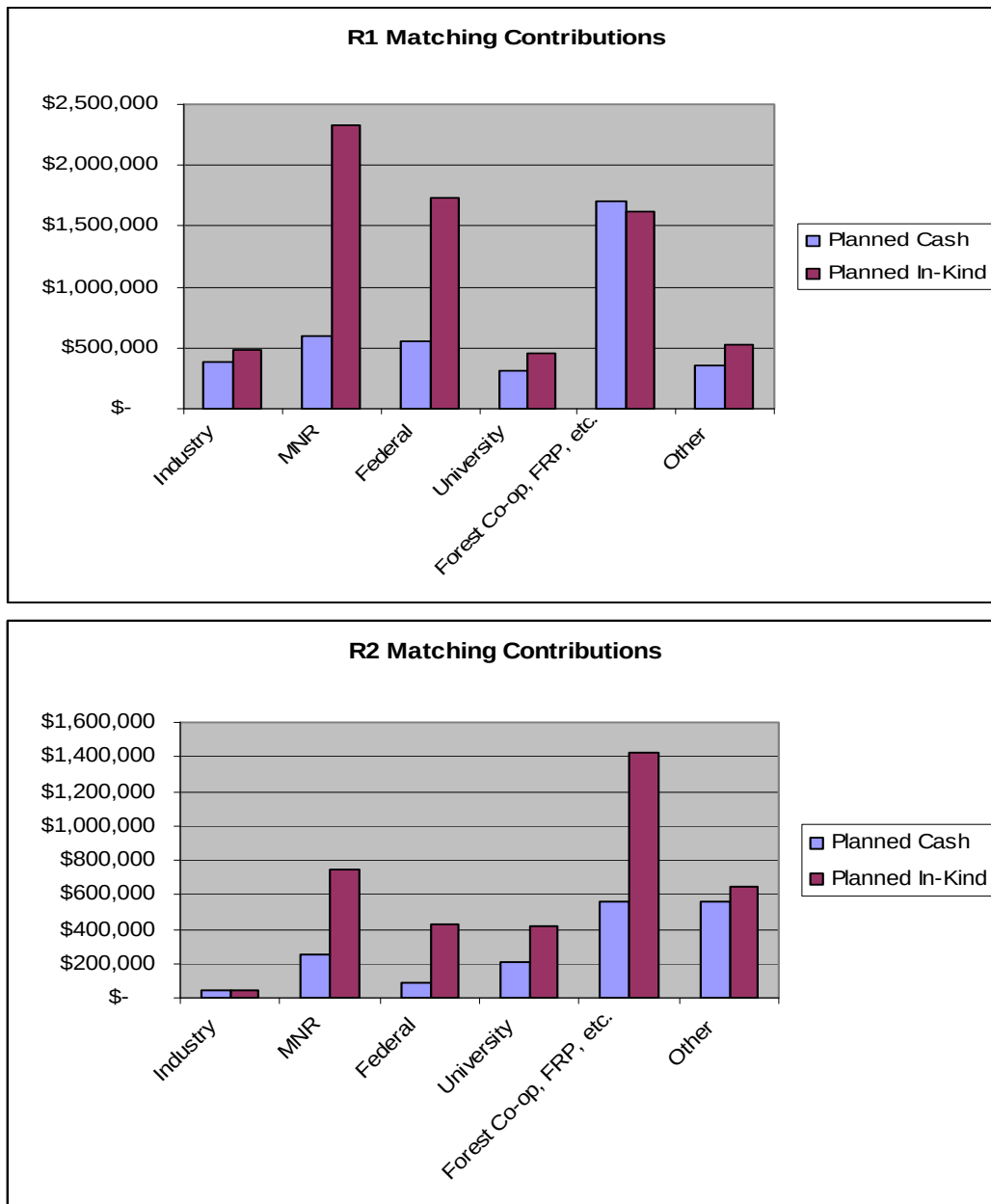
To date the EFPS program has funded 42 projects for a total of \$6.4 M, with \$16.4 M in matching contributions. The \$16.4 M of partner funding can be further broken down as \$5.6 M in cash and \$10.8 M of in-kind contributions.

Figure 6: Rounds 1 & 2 funding contribution



Sources of matching funds varied among the 42 projects. Funding partners include the forest industry, provincial and federal governments, universities, research co-operatives and other sources such as consulting firms and NGOs. Research co-operative contributions are mostly from the Forest Ecosystem Science Co-operative (Forest Co-op) and Forest Research Partnership (FRP), but also include Forest Genetics Ontario and Lake Abitibi Model Forest. The Canadian Forest Service was the primary Federal funding partner; however other agencies such as Environment Canada and Fisheries and Oceans contributed to some projects.

Figure 7: Rounds 1 & 2 in-kind contributions



The Forestry Futures Trust Committee believes that the EFPS program is a worthwhile and effective program supported by the Ontario forest research community. However, since the program was time limited (3 years), no additional calls for applications are expected in the foreseeable future. The Committee will continue to work with the existing projects to ensure their completion.

Table 6: Summary of EFPS proposals and approvals fiscal year 2006/07

ROUND NUMBER	CALL FOR PROPOSALS	DATE OF REVIEW	NUMBER OF PROPOSALS		FUNDING AMOUNT	
			RECEIVED	APPROVED	REQUESTED	APPROVED
2	October 2005	April 2006	28	14	\$3.6M	\$1.8M

Far North Forestry Development Initiative (FNFD) Program

In June 2005 the Ministry of Natural Resources announced that the Ontario government was providing a \$2.0 M fund to be used by First Nation communities for projects related to community-based land use planning and collection of background information which is necessary to evaluate the feasibility of commercial forestry in Ontario's far north. The funds have been allocated to the Forestry Futures Trust for disbursement.

The Forestry Futures Trust 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."*

Eligible activities for funding under this initiative include:

1. community-based land use planning
2. community consultation
3. collection, analysis and documentation of bio-physical data
4. collection, mapping and written documentation of indigenous values and traditional knowledge
5. feasibility and business planning studies

Fifteen First Nations listed here are eligible to apply to the Forestry Futures Trust for these funds.

- | | |
|--------------------------|----------------------------------|
| • Aroland | • Mishkeegogamang |
| • Cat Lake | • Moose Cree |
| • Constance Lake | • Pikangikum |
| • Deer Lake | • Poplar Hill |
| • Eabametoong | • Slate Falls |
| • Lake North Spirit Lake | • Little Grand Rapids (Manitoba) |
| • Marten Falls | • Pauingassi (Manitoba) |
| • McDowell | |

Two requests for applications have been released by the FFTC one in August 2005 and one in November 2006. The Committee has awarded \$833,725 in Round 1 and \$404,000 in Round 2 for a total of \$1,237,725.

Three of the five projects in Round 1 have been completed. Whitefeather Forest Management completed their land use strategy for the Whitefeather Forest planning area. Far North Forestry Development (FNFD) initiative funds were used to support activities not funded by the numerous other partners involved with this project.

Windigo First Nations Council, on behalf of Slate Falls and Cat Lake First Nations, successfully completed their Round 1 project and were provided further funding in Round 2. Significant progress was made in Round 1 with regard to community involvement and communication, which included the development of a Strategic Action Plan. By the end of Round 1, Windigo reported that the planning team was ready to post notice of the project on the Environmental Bill of Rights Registry (EBR), which will begin the formal

(Public) planning process. The approved application for Round 2 includes new funding partnerships and provides additional FNFD funds to continue with this land use planning process.

Constance Lake First Nation completed their Round 1 project which resulted in the hiring of a coordinator and establishment of a working group for the project, development of background documentation and a draft work plan, and establishment of contacts with adjacent First Nations regarding far north land use planning. Constance Lake has also garnered support from the local forest industry which is reflected in their successful Round 2 application.

When the Forest Futures Trust Committee was developing the request for application for Round 2 of the program, the Ministry of Natural Resources requested that two additional First Nations be allowed to apply for funding. Little Grand Rapids and Pauingassi First Nations are located in Manitoba but have significant portions of their traditional territories located in Ontario, which abut the west side of the Whitefeather Forest planning area. These two First Nations and Whitefeather are proponents for a Canadian nomination of a World Heritage Site for this area on the Ontario/Manitoba border. The Committee saw merit in including them in the call for applications and did provide partial funding in Round 2 for their land use planning initiative.

The Committee will continue to work with applicants in both Rounds 1 and 2 to ensure successful completion of these projects. A third call for applications will likely be issued in late 2007.

Table 7: Summary of FNDN proposals and approvals fiscal year 2006/07

ROUND NUMBER	CALL FOR PROPOSALS	DATE OF REVIEW	NUMBER OF PROPOSALS		FUNDING AMOUNT	
			RECEIVED	APPROVED	REQUESTED	APPROVED
2	November 2006	February 2007	4	4	\$864,907	\$404,000

Note: all applications received were partially funded.

Enhanced Forest Resource Inventory (eFRI) Program

The eFRI program was announced by the Minister of Natural Resources, David Ramsey in September 2005. This committed the MNR to undertake the production of the Provincial Forest Resource Inventory. It was directed by the Minister that this program would also be a new purpose of the Forestry Futures Trust. Discussions between the MNR and the FFTC regarding the expansion of the Committee's mandate resulted in the following mandate statement:

"The FFTC will take an active role, working in partnership with the MNR, to administer the eFRI program. The MNR has assumed the full responsibility for the forest resource inventory program focusing on accuracy, completeness and currency. The MNR and FFTC will share a lead role in administering the program. The MNR retains the overall stewardship role, policy responsibility, scheduling and priority setting, standard setting, and quality control. Regular communication between the MNR and the FFTC will be critical to the development and delivery of this program."

2006/07 was the first full year of the new eFRI program. Accomplishments for the program during this reporting period included the following:

- Enhanced Forest Productivity Science program large-scale photo sampling and individual tree classification pilot project (Forest Science Coop and Bowater)
- Acquisition and quality assessment and quality control plot imagery (limited imagery captured due to time it took to execute the contract with vendor). Areas not captured were carried over to the 2007/08 program
- Permanent forest inventory ground plots were installed and measured
- Inventory for the Kenogami Forest which was underway at the time of the Minister's announcement was reimbursed
- Tenders were awarded for imagery acquisition for Bancroft-Minden Forest, Gordon Cosens Forest, Hearst Forest, Ogoki Forest, Quetico Provincial Park and Wabakimi Provincial Park, but little imagery was captured due to the time it took to execute the contract with the vendor. Areas not captured were carried over to the 2007/08 program.

Targets for the 2007/08 program include:

- Reimbursement of existing inventories for applicable costs (Iroquois Falls, Romeo Malette and Kenogami Forests)
- Imagery capture
- FRI production
- Calibration plots
- Permanent forest inventory photo plots
- Information management – storage capacity
- Applied research and development – workshops

Table 8: Summary of committed funds 2006-2007

CONVERSION/ eFRI	2005/2006	2006/2007
Bank Balance as of April 1st	3,338,005.13	3,157,998.56
Investment Income and Profit/Loss	13,303.83	144,614.07
Sub-total Funds Available	3,351,308.96	3,302,612.63
FUNDS PAID INTO TRUST		
Conversion Funds paid into trust	0.00	0.00
eFRI Funds paid into trust	0.00	3,647,948.17
TOTAL FUNDS AVAILABLE	3,351,308.96	6,950,560.80
COMMITTED FUNDS		
Conversion Project commitments	0.00	0.00
Conversion project paid*	193,310.40	0.00
eFRI project commitments		
eFRI project paid		2,343,200.77
TOTAL COMMITTED FUNDS	193,310.40	2,343,200.77
CURRENT YEAR BALANCE	3,157,998.56	4,607,360.03

***The Conversion Program**

The Conversion program was an initiative that was assumed by the Forestry Futures Trust Committee in 1997/98. The purpose of the program was to provide funding to forest industry players on Crown Management Units that were to be converted to Sustainable Forest Licenses (SFL's). There was one project that was missed in the 2005/06 Annual Report and therefore reported in this 2006/07 Annual Report. As this account serves for both the Conversion and eFRI programs combined, it was determined that this omission should be reported in the above table. The SFL Conversion Project C-25/04 invoiced \$193,310.04 in February 2006 which completed the project to convert the Nagagami Forest CMU to Nagagami Forest Management Ltd.

COMMITTEE OPERATION**Activities**

The full Committee met 22 times during the year, with an additional 16 meetings attended by a portion of the Committee. Three meetings were conducted by teleconference. There were 23 silvicultural project work reports and 37 new silvicultural applications reviewed.

Between meetings there were 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 7 for sample field visit reports).

Committee Budget

The following is a statement of the Committee's operating budget for the period April 01, 2006 to March 31, 2007.

Table 9: Forestry Futures Trust Committee operating budget 2006/07

Budget Item	Amount
Available Funds	
Received from the <i>Forestry Futures Trust</i>	748,550.00
Carry forward from previous year	47,349.98
Total funds available 2006 - 2007	795,899.98
Expenditures	
Meetings	157,979.97
Per diems – Committee	139,855.71
Per diems –	154,998.97
Professional Staff	
Admin Support	49,314.22
Communication/consumables	52,856.24
Equipment/Signage	34,282.61
LU Overhead	42,000.00
Total Expenses	631,287.72
Funds remaining in Operating Budget at March 31, 2007	\$164,612.26

The Ministry of Natural Resources

Since its inception in 1995 the Forestry Futures Trust 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 of Mr. Thom McDonough and Ms. Diane Black, continues to fulfil 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 staffs with whom the Committee confers while carrying on its mandate include the following:

- IFA Program - Mr. Robert Mears, R.P.F., Ms. Betty van Kerkhof, R.P.F., and Mr. Bill Morrison
- FNFD Program - Mr. John Sills, R.P.F., Mr. Roy Sidders, R.P.F., for Northwest and Mr. Mike Cartan for the Northeast
- eFRI Program - Mr. Frank Kennedy, R.P.F., and Mr. Joe Kapron; R.P.F.

Other Committee Support

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

- Ms. Mona Wiltshire, R.P.F., General Manager
- Mr. Ken VanEvery, R.P.F., IFA, EFPS and FNFD Coordinator
- Ms. Sarah Bros, R.P.F., and Mr. Matt Hollands, R.P.F., IFA Analysts
- Ms. Diane Dixon, Administrative Assistant
- Ms. Nicole McCourt and Mrs. Charlotte Miller, Annual Report Preparation

AUDITOR'S REPORT

In accordance with the terms of reference of the Forestry Futures Trust Committee the Annual Report includes a copy of the independent audit of the Forestry Futures Trust and the Forestry Futures Trust Committee for the fiscal year 2006/07, see Appendix 1.

H. M. Kershaw, R.P.F.
Chair, FFTC

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



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AUDITORS' REPORT

To the Ontario Minister of Natural Resources
and the Trustee of Forestry Futures Trust

We have audited the statement of financial position of Forestry Futures Trust as at March 31, 2007 and the statements of operations and changes in net assets available for project disbursements for the year then ended. These financial statements are the responsibility of the Trustee. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, these financial statements present fairly, in all material respects, the financial position of the Trust as at March 31, 2007 and the results of its operations and the changes in net assets available for project disbursements for the year then ended in accordance with Canadian generally accepted accounting principles.

Chartered Accountants, Licensed Public Accountants

Toronto, Canada

August 7, 2007

KPMG LLP is a Canadian limited liability partnership and a member firm of the KPMG network of independent member firms affiliated with KPMG International, a Swiss cooperative. KPMG Canada provides services to KPMG LLP.

FORESTRY FUTURES TRUST

Statement of Financial Position

March 31, 2007, with comparative figures for 2006

	2007	2006
Assets		
Current assets:		
Cash and short-term deposit receipts	\$ 42,715	\$ 107,826
Accrued investment income	116,765	265,325
Due from Forest Renewal Trust	656,295	275,554
Investments (note 3)	13,386,071	26,679,216
Unexpended Forestry Futures Committee advances	164,960	47,350
	<u>\$ 14,366,806</u>	<u>\$ 27,375,271</u>
Liabilities and Net Assets		
Current liabilities:		
Accounts payable and accrued liabilities	\$ 48,898	\$ 49,621
Holdbacks payable on project disbursements	—	106,971
	<u>48,898</u>	<u>156,592</u>
Net assets:		
Trust settlement	1	1
Net assets available for project disbursements	<u>14,317,907</u>	<u>27,218,678</u>
	<u>14,317,908</u>	<u>27,218,679</u>
Commitments (note 5)		
	<u>\$ 14,366,806</u>	<u>\$ 27,375,271</u>

See accompanying notes to financial statements.

On behalf of the Trust:


Michael J. Keel
 Trust Service Manager

RBC Dexia Investor Services Trust
 77 King Street West, 12th Floor
 Toronto, Ontario
 M5W 1P9

Trustee
 Ontario Minister of Natural Resources

FORESTRY FUTURES TRUST

Statement of Operations

Year ended March 31, 2007, with comparative figures for 2006

	2007	2006
Revenue:		
Investment	\$ 897,945	\$ 1,305,839
Gain on sale of investments	–	131,822
	897,945	1,437,661
Expenses:		
Forestry Futures Committee	630,940	526,288
Investment management and trustee fees (note 4)	58,420	65,134
Audit fee	26,150	29,050
Ministry of Natural Resources Agency fees	4,688	4,688
Loss on sale of investments	227,911	–
Market value write-down on investment portfolio (note 3)	–	401,113
	948,109	1,026,273
Increase (decrease) in net assets resulting from operations	\$ (50,164)	\$ 411,388
Allocated as follows:		
Forestry Futures Fund	\$ (37,222)	\$ 351,866
Conversion Fund	(9,230)	47,297
First Nations Far North Fund	(3,712)	12,225
	\$ (50,164)	\$ 411,388

See accompanying notes to financial statements.

FORESTRY FUTURES TRUST

Statement of Changes in Net Assets Available for Project Disbursements

Year ended March 31, 2007, with comparative figures for 2006

	2007			2006	
	Forestry Futures Fund	Conversion Fund	First Nations Far North Fund	Total	Total
Net assets available for project disbursements, beginning of year	\$ 21,947,210	\$ 3,294,166	\$ 1,977,302	\$ 27,218,678	\$ 28,086,905
Increase (decrease) in net assets resulting from operations	(37,222)	(9,230)	(3,712)	(50,164)	411,388
Capital transactions:					
Capital receipts:					
Forestry futures charges	9,784,077	3,647,948	—	13,432,025	12,723,888
Capital disbursements:					
Project disbursements	23,592,541	2,343,200	275,285	26,211,026	12,828,307
Independent forest audit fees	71,606	—	—	71,606	1,175,196
	23,664,147	2,343,200	275,285	26,282,632	14,003,503
Increase (decrease) in net assets resulting from capital transactions	(13,880,070)	1,304,748	(275,285)	(12,850,607)	(1,279,615)
Increase (decrease) in net assets available for project disbursements	(13,917,292)	1,295,518	(278,997)	(12,900,771)	(868,227)
Net assets available for project disbursements, end of year	\$ 8,029,918	\$ 4,589,684	\$ 1,698,305	\$ 14,317,907	\$ 27,218,678

See accompanying notes to financial statements.

FORESTRY FUTURES TRUST

Notes to Financial Statements

Year ended March 31, 2007

1. Organization:

The Forestry Futures Trust (the "Trust") was originally established by an agreement dated February 7, 1995, for the purpose of managing the funding of silviculture expenses on land where Crown timber has been killed or damaged by fire or natural causes; on land that is subject to a license if the licensee becomes insolvent; for the intensive stand management and pest control in respect of Crown timber; and for such other purposes as may be specified by the Ontario Minister of Natural Resources. The Trust settlement amount of \$1 was paid to the Trustee by the Crown on that date. The terms of the Trust agreement were amended by a First Amending Agreement signed on May 17, 1999, with an effective date of January 31, 1998, a Second Amending Agreement signed on April 25, 2000, with an effective date of April 1, 2000, a Third Amending Agreement signed on August 28, 2001, with an effective date of April 1, 2001 and a Fourth Amending Agreement signed on April 15, 2003, with an effective date of April 1, 2003. RBC Dexia Investor Services Trust is the Trustee.

Prime and third party licensees are invoiced by the Crown on a monthly basis according to the volume of wood harvested. These forestry futures charges are paid to the Trustee who, in turn, credits the payment to the appropriate sub-account of the Trust (note 2(b)). Decisions on allocations of funds from the Trust are made by the Forestry Futures Committee (the "Committee"), the members of which are appointed by the Ontario Minister of Natural Resources. The Committee provides the Trustee with payment authorization concerning the disbursement of the funds in accordance with the Committee's decisions.

Throughout the year, licensees submit invoices for reasonable estimates of eligible silviculture work completed to the dates of the invoices. At the end of the year, licensees are required to complete a final invoice seeking reimbursement of actual costs incurred during the fiscal year less all previous disbursements for that project. The Trustee has no duty or obligation to assess the eligibility of costs claimed.

The Trust was established by the Ontario Ministry of Natural Resources (the "Ministry") under the authority of the Crown Forest Sustainability Act to provide a funding mechanism independent of the provincial treasury to fund silviculture activities in Crown forests.

FORESTRY FUTURES TRUST

Notes to Financial Statements (continued)

Year ended March 31, 2007

2. Significant accounting policies:

(a) Basis of accounting:

These financial statements are prepared in accordance with Canadian generally accepted accounting principles. These financial statements record the operations of the Trust using an accrual basis of accounting and recognize revenue as it becomes realized and measurable. Expenses are recognized as they are incurred and measurable as a result of receipt of goods or services and the creation of a legal obligation to pay. Capital transactions are recorded once incurred, which is the date of approval by the Ministry. Capital transactions include receipts of forestry futures and conversion charges, as well as disbursements for projects, forest resources inventory payments and independent forest audits. Trust operations encompass the investment and administrative activities of the Trust.

(b) Forestry Futures, First Nations Far North and Conversion funds:

In addition to regular forestry futures charges, the Trust received conversion charges from licensees in prior years. The purpose of these charges was to fund the sustainable forest license conversion process. In order to track these funds separately, as required by the Trust agreement, the Trust is organized into separate funds; the Forestry Futures and First Nations Far North ("FNFN") Fund and the Conversion Fund. All charges received and disbursements made are applied to the applicable fund. Each account balance is expressed in terms of units of the main Trust for the purpose of tracking its share of Trust assets. These units are of equal value and without priority or preference.

Amounts received are held in each fund until the Trust valuation date, which is the last business day of the month. At that time, the amounts are transferred into the Trust in exchange for units. Disbursements made from each fund are funded through the redemption of units of the main Trust using the most recent determined valuation.

The value of each unit of the Trust is determined on a monthly basis based upon the net assets of the Trust. The value of a unit is determined by dividing the aggregate value of net assets of the main Trust by the total number of units outstanding prior to the issuance and redemption of units.

FORESTRY FUTURES TRUST

Notes to Financial Statements (continued)

Year ended March 31, 2007

2. Significant accounting policies (continued):

(c) Measurement uncertainty:

The preparation of financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the year. Actual results could differ from those estimates.

(d) Investments:

The Trust's investment portfolio is treated as temporary investments as individual investments are actively purchased and disposed of by the Trust. The investments are recorded at the lower of cost and market value on an overall portfolio basis. The income reported on these investments includes realized gains and losses on securities transactions, market value write-downs and interest income. Interest income is recorded on the accrual basis. The estimated fair value of investments is based on quoted market values without consideration of disposal costs.

FORESTRY FUTURES TRUST

Notes to Financial Statements (continued)

Year ended March 31, 2007

3. Investments:

	2007	2006
Gross investments, beginning of year	\$ 27,080,329	\$ 27,045,817
Purchases	30,686,878	40,725,005
Sales and redemptions	(43,980,023)	(40,690,493)
Gross investments, end of year	13,787,184	27,080,329
Allowance for market value write-downs	401,113	401,113
Net investments, end of year	\$ 13,386,071	\$ 26,679,216
Consisting of:		
Canada treasury bills	\$ 940,460	\$ 1,496,803
Bank notes and deposits	100,000	—
Canada bonds and guarantees	3,065,370	8,256,966
Provincial bonds	3,018,761	6,437,784
Municipal bonds	—	76,712
Corporate bonds and notes over one year	5,123,095	9,331,349
Pooled money market funds	1,539,498	1,480,715
	13,787,184	27,080,329
Allowance for market value write-downs	401,113	401,113
	\$ 13,386,071	\$ 26,679,216
Fair value	\$ 13,659,190	\$ 26,679,216

The following table summarizes the cost of investments at March 31, 2007 by maturity:

	Less than one year	1 - 3 years	3 - 10 years	Greater than 10 years	Total
Short-term securities	\$ 2,579,958	\$ —	\$ —	\$ —	\$ 2,579,958
Bonds	—	1,304,678	7,347,709	2,554,839	11,207,226
	\$ 2,579,958	\$ 1,304,678	\$ 7,347,709	\$ 2,554,839	\$ 13,787,184

The above investments have varying effective yields of 3.15% to 11.40% (2006 - 3.20% to 11.40%). Interest earned is accrued on a daily basis.

The investments are actively managed according to the statement of investment policy for the Trust dated April 1, 2003, which includes guidelines with respect to return expectations, asset mix, approved securities, constraints and investment strategies.

FORESTRY FUTURES TRUST

Notes to Financial Statements (continued)

Year ended March 31, 2007

4. Investment management and Trustee fees:

Trustee fees are assessed on the combined average book value of the Forestry Futures and Forest Renewal Trusts with the resultant charge apportioned to each Trust on the basis of its average book value. On the first \$50 million in average book value, the Trustee fee is 0.05%, on the next \$50 million in average book value, the Trustee fee is 0.03%, and on the average book value in excess of \$100 million, the Trustee fee is 0.015%. The fee schedule also includes a \$2,400 (2006 - \$1,000) charge per account in the Trust. Additional fees include fund administration and reporting for the investment funds and master trust fund, transaction charges and other charges.

5. Commitments:

The Trust is committed to fund projects that have been approved by the Committee. At the year-end date, these projects may not yet be complete or the final invoice reporting actual expenditures may not have been submitted by the project applicant for final payment. As a result, the potential liability has not been recorded in these financial statements. Projects totalling \$152,200,983 (2006 - \$146,694,066) have been approved to March 31, 2007, of which \$106,625,484 (2006 - \$90,300,458) has been disbursed. Included in total projects are multi-year projects in the amount of \$18,542,348 for 2007, \$11,253,760 for 2008 and \$3,137,116 for 2009 that have been approved by the Committee for funding, subject to an annual review process.

In addition, the Trust is committed to fund conversion and Forest Resource Inventory Projects that have been approved by the Committee. Projects totalling approximately \$1,547,388 (2006 - \$1,197,246) have been approved for March 31, 2007.

6. Income taxes and goods and services tax:

The Trust is considered to be an asset of the Crown and, as such, the Trustee, under the advisement of the Ministry, has taken the position that the income earned within the Trust is not subject to income taxation.

In addition, the position has been taken that the activities of the Trust are exempt from the goods and services tax ("GST"). Hence, GST is not collected on forestry futures charges invoiced to licensees, nor is it paid on project disbursements out of the Trust.

FORESTRY FUTURES TRUST

Notes to Financial Statements (continued)

Year ended March 31, 2007

7. Financial instruments:

The fair values of the investments are as disclosed in note 3. The fair values of other financial instruments of the Trust, which consist of cash and short-term deposit receipts, accrued investment income, due from Forest Renewal Trust, unexpended Forestry Futures Committee advances, accounts payable and accrued liabilities and holdbacks payable on project disbursements, approximate their carrying values due to the short-term nature of these financial instruments.

8. Comparative figures:

Certain comparative figures have been reclassified to conform with the financial statement presentation adopted in the current year.

APPENDIX 2

Silviculture Program: Stand Management, Remediation and Protection

On-going Projects

ROUND FOURTEEN PROJECTS

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 2002/03; \$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 chemical 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

431-2-R15

Applicant: Weyerhaeuser Company Ltd.
Type: Silvicultural remediation of areas depleted by spruce budworm.
Funding: Approved \$146,470 (\$29,900 in 2002-03; \$116,570 in 2003/04).
Description: This project consists of full tree chipping 160 ha of low volume budworm killed balsam fir and black spruce stands, mechanical and/or chemical 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.

ROUND SIXTEEN PROJECTS

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 \$510,300 (\$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.

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.

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.

ROUND SEVENTEEN PROJECTS

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.

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.

484-2-R17

Applicant: Tembec Industries Inc.

Type: Silvicultural remediation of areas depleted by natural causes, specifically fire.

Funding: Approved \$204,668 (\$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 Falls Forest.

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.

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

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 mechanical 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.

ROUND NINETEEN PROJECTS

511-1-R19

Applicant: Bowater Canadian Forest Products 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 manual 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

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 (\$222,615 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.
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.
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.
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
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
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.
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.

ROUND TWENTY PROJECTS

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.

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.

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.

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.

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 follow up 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.

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 Three as needed. This will contribute to sustaining local sawmills and provide employment for local silvicultural workers including First Nations. Armstrong Forest.

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 un-merchantable 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.
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.
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 pine 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.
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 pine 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.
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.
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.
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 Un-merchantable Stems in Shelterwood Stands Project consists of felling un-merchantable 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.
555-6-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.

ROUND TWENTY-ONE PROJECTS

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.

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.

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.

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

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.

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.

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.

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.

ROUND TWENTY-TWO PROJECTS

579-1-R22
 Applicant: Bowater Canadian Forest Products Inc.
 Type: Intensive stand management to establish well-spaced jack pine plantations to increase timber production where critical shortages occur.
 Funding: Approved \$1,237,500 (\$731,250 in 2006/07; \$455,625 in 2007/08; \$50,625 in 2008/09).
 Description: The identification of 1,500 hectares of highly productive sites in the Sideen Pakashkan area to convert off site poplar and low quality birch to well-spaced jack pine plantations using the most current silviculture techniques and planting stock. This will increase future conifer pulpwood and sawlog supplies. Dog River Matawin Forest

580-2-R22
 Applicant: Abitibi-Consolidated Company of Canada
 Type: Silvicultural remediation of areas depleted by natural causes, specifically fire.
 Funding: Approved \$577,038 in 2006.
 Description: This Project consists of a quick re-establishment of conifer on 818 ha of plantations and natural regeneration burned by TB - 57 Forest Fire during the summer of 2005. Planned is the planting of 1,627,100 seedlings; 603,900 jack pine and 1,023,200 black spruce. Also planned is the usage of 70,000 shelter cones. Some previously harvested but not treated areas will also be planted as the fire acted as a site preparation treatment. This will rapidly return these areas to productive conifer plantations to meet future woody supply demand. Spruce River Forest.

581-1-R22
 Applicant: Abitibi-Consolidated Company of Canada
 Type: Intensive stand management to space conifer where critical shortages occur.
 Funding: Approved \$1,073,966 over 3 years (\$340,219 in 2006/07; \$366,294 in 2007/08; 367,453 in 2008/09).
 Description: This project involves the pre-commercial thinning of 2,580 ha of juvenile jack pine using manual spacing to reduce current densities and ultimately to promote faster growth, lower the rotation age, and create opportunities for employment. Crossroute Forest

582-2-R22
 Applicant: Domtar Inc.
 Type: Silvicultural remediation of areas depleted by natural causes, specifically snow and blowdown.
 Funding: Approved \$287,020 (\$111,254 in 2006/07; \$144,716 in 2007/08; \$31,050 in 2008/09).
 Description: Salvage operations were planned for fall/winter 2005/06 on area damaged by snow and wind-storm that occurred in October 2001 in the area between Caribou Lake and Little Caribou Lake. This three-year project covers 371 hectares for establishment of conifer plantations. This project will address wood supply issues and provide a number of additional ecological, social, and economic benefits to the surrounding areas. Armstrong Forest.

583-2-R22
 Applicant: Hearst Forest Management Inc.
 Type: Silvicultural remediation of areas depleted by natural causes, specifically ice storm.
 Funding: Approved \$154,328 (\$58,800 in 2005/06; \$85,000 in 2006/07; and \$10,528 in 2007/08).

Description:	An ice storm that occurred in 1994 resulted in high mortality and residual damage to trees remaining on site within the affected area. Salvage operations occurred in 2004/05. Heavy competition has invaded the site and the project is aimed at returning project area back to its original productive mixedwood site. Planting of conifer will occur on 224 hectares. Tending will follow-up the renewal activities. This project will provide future candidate pre-commercial thinning sites, address critical future wood supply issues and provide employment opportunities. Hearst Forest
584-1-R22	
Applicant:	Atikokan Forest Products Inc.
Type:	Intensive stand management to space conifers where critical shortages occur.
Funding:	Approved \$41,400 in 2006/07.
Description:	This project involves the pre-commercial thinning of 138 ha of 7 to 9 year-old aerial seeded jack pine and planted white plantations. These plantations, established by MNR (Class X lands equal approximately 28 hectares) and the Company need additional treatment before they can be declared Free-to-Grow. This project will address future wood supply issues and provide employment opportunities for First Nations. Sapawe Forest
585-2-R22	
Applicant:	Atikokan Forest Products Ltd.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically blowdown.
Funding:	Approved \$39,361 in 2006/07.
Description:	Project consists of site preparing 354.6 hectares of blowdown areas salvaged in 2004/05 for seeding and planting of pine and spruce. Intensive silviculture practice will help contribute to the conifer supply in accessible, non-contentious areas of this Forest. Sapawe Forest
586-2-R22	
Applicant:	Atikokan Forest Products Ltd.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically blowdown.
Funding:	Approved \$1,702 in 2006/07.
Description:	Project involves the aerial seeding of 118.2 hectares of blowdown area salvaged in 2004/05 to jack pine. The seeded blocks will help alleviate the pressure on significant age class gaps in the conifer working groups. Sapawe Forest
587-5-R22	
Applicant:	Atikokan Forest Products Ltd.
Type:	Silvicultural remediation of Class Z lands.
Funding:	Approved \$6,748 in 2006/07.
Description:	Highly productive sites on Class Z lands that were burnt in the 1996 fire were renewed to conifer. They require release from heavy competition from aggressive hardwood and herbaceous competition by aerial tending. This project will contribute to the wood supply in the next 40 years and help address critical wood supply issues. Sapawe Forest
588-6-R22	
Applicant:	Bowater Canadian Forest Products Inc.
Type:	Collection of jack pine seed from Seed Production Orchard.
Funding:	Approved \$181,250 (\$60,975 in 2005/06; \$64,925 in 2006/07; \$55,350 in 2007/08).
Description:	Kakabeka Seed Orchard established in 1987 is scheduled to become obsolete within the next 5 to 8 years to be replaced by second generation orchards. Conversion of this orchard to a seed production facility will enable industry to collect cones for aerial seeding on short notice to renew burned jack pine sites. Dog River Matawin Forest.
590-1-R22	
Applicant:	Tembec Industries Inc.
Type:	Intensive stand management to space conifer where critical shortages occur.
Funding:	Approved \$126,380 in 2006/07).
Description:	The project consists of pre-commercial thinning 289 hectares of 10-15 year-old jack pine with brush saws. Target to reduce 7,100 stems per hectare to 2,000 – 4,000 stems per hectare. This will result in a reduced rotational age and increase volumes where shortfall exists and will also have ecological benefit. Superior Forest.
593-3-R22	
Applicant:	Forest Health and Silviculture Section, Forest Management Branch OMNR
Type:	Jack Pine Budworm Control Program; Surveys and Planning
Funding:	Approved \$145,000 (\$115,000 in 2005/06 and \$30,000 in 2006/07)
Description:	The objective of this program is to conduct the planning process and stand-specific surveys to determine where management actions need to be undertaken.

ROUND TWENTY-THREE PROJECTS

594-1-R23

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

595-2-R23

Applicant: Abitibi-Consolidated Inc.
Type: Whiskey Jack Forest 2005 Blowdown Stand Enhancement Project.
Funding: Approved \$150,000 in 2007/08.
Description: An improvement area in the Whiskey Jack Forest was affect by the 1991 Pakwash Forest Blowdown. Extensive damage occurred to a 90,000 hectare tract of land. Stand improvement by manual spacing will occur on plantations stands that were regenerated between 1992-1995, post salvage harvest. Targeted will be 300 hectares of jack pine stands that are presently growing at 5000 to 15000 stems per hectare. Whiskey Jack Forest.

596-2-R23

Applicant: Atikokan Forest Products Ltd.
Type: Mechanical site preparation and slash piling of blowdown blocks.
Funding: Approved \$6,303 in 2006/07.
Description: The Sapawe Forest was subjected severe windstorms in 2004 and 2005. Mechanical site preparation will occur on 37 hectares of salvaged area and 130 hectares will be slash piled. These areas, if not treated, would result in a loss of productive forest on the management unit. Sapawe Forest.

597-2-R23

Applicant: Atikokan Forest Products Ltd.
Type: Intensive stand management of areas of salvaged blowdown.
Funding: Approved \$62,503 in 2006/07.
Description: The Sapawe Forest was subjected severe windstorms in 2004 and 2005. Areas (193 hectares) that were salvaged will be planted with jack pine, red pine, white pine and spruce. These areas if not treated would results in a loss of productive forest on the management unit. Sapawe Forest.

598-2-R23

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

599-2-R23

Applicant: Abitibi-Consolidated Inc.
Type: Whiskey Jack Forest 2005 Blowdown Renewal – Planned.
Funding: Approved \$354,312 (\$22,506 in 2006/07; \$192,126 in 2007/08 and \$139,680 in 2008/09).
Description: Renewal efforts on 722 hectares of area affected by the July 2005 blowdown planned for in the 2004-2009 Whiskey Jack Forest Management Plan. Site preparation for encouraging natural renewal, preparing seed beds for aerial seeding and planting are activities that will be employed to achieve renewal. Whiskey Jack Forest.

600-2-R23

Applicant: Abitibi-Consolidated Inc.
Type: Whiskey Jack Forest 2005 Blowdown Renewal – Amendment.
Funding: Approved \$394,530 (\$125,265 in 2006/07; \$197,265 in 2007/08 and \$72,000 in 2008/09).
Description: Renewal efforts on 900 hectares of area affected by the July 2005 blowdown planned for in the 2004-2009 Whiskey Jack Forest Management Plan. Site preparation for encouraging natural renewal, preparing seed beds for aerial seeding and planting are activities that will be employed to achieve renewal. Whiskey Jack Forest.

601-2-R23	
Applicant:	Domtar Inc.
Type:	Robinson Lake Project – remediation of selected areas affected by blowdown/snow damage on northern Lake Nipigon Forest.
Funding:	Approved \$344,575 (\$0 in 2005/06, \$149,765 in 2006/07 and \$194,810 in 2007/08).
Description:	Blowdown salvage areas from wind and snowstorm in 2001 will be renewed. Extensive management will occur on 385 hectares. There will be 693,000 trees required to plant the area selected for extensive treatment. Other treatments will include slash piling, site preparation and cone collection. Lake Nipigon Forest.
602-5-R23	
Applicant:	Atikokan Forest Products Ltd.
Type:	Pre-commercial Thinning of X, Z Blocks.
Funding:	Approved \$60,060 in 2006/07.
Description:	Pre-commercial thinning on plantations that were surveyed and classified as X,Y and Z lands. In total 284 hectares will be manually thinned, 182 hectares of these are classified as Class Z lands. These areas were scarified with light drags to promote natural seeding regeneration in 1988-1995 by the OMNR, but require additional work to enhance future wood supply and sustainability. It is noted that Block 85-3 has been withdrawn from the project as it is not Class Z lands. Sapawe Forest.
604-6-R23	
Applicant:	Domtar Inc.
Type:	Commercial Thinning in Limestone Lake Plantations.
Funding:	Approved \$115,832 in 2006/07.
Description:	This Project involves an operations trial for commercial thinning in 40 year-old intensively managed black spruce plantations located at Limestone Lake, just north of Nipigon, Ontario. Approximately 80 hectares will be thinned, using two thinning prescriptions. The project will contribute to a significant shortfall in information regarding the cost effectiveness and biological response of mid-rotation black spruce in Ontario to commercial thinning. Lake Nipigon Forest.
606-1-R23	
Applicant:	Domtar Inc. (as agent for Northshore Forest)
Type:	Yellow birch crop tree release.
Funding:	Approved \$144,000 divided equally over three years.
Description:	The selection and release of yellow birch crop trees will maximize the production of yellow birch sawlogs and veneer logs. This project will treat 450 hectares over a three-year period. These dense and young tolerant hardwood stands originate from strip cuts that occurred in the 1970's. Northshore Forest.
609-1-R23	
Applicant:	Timiskaming Forest Alliance Inc.
Type:	TFAI PCT 2006.
Funding:	Approved \$693,000 divided equally over three years.
Description:	Pre-commercial thinning of 1,575 hectares on predominantly pine plantations using manual thinning. The plantations range in age from 10 to 20 years and will be thinned to approximately 1,750 to 2,200 stems per hectares. This will involve spacing the crop trees between 1.5 to 2.4 metres. In addition to the planned spacing additional criteria includes branch thickness, tree form and vigor. Timiskaming Forest.
610-1-R23	
Applicant:	Westwind Forest Stewardship Inc.
Type:	Stand improvement in tolerant hardwood selection stands.
Funding:	Approved \$638,400 divided equally over three years.
Description:	This project involves feeling poor quality stems within a selection management stand to achieve silviculture objectives to promote improvements in growth and quality for future sawlog production. The silvicultural treatment of felling unmerchantable material would normally take place during harvest. French Severn Forest.
611-5-R23	
Applicant:	Tembec Industries Inc. – Mattagami Area
Type:	Romeo Malette Forest NSR tending project.
Funding:	Approved \$48,930 (\$43,995 in 2006/07 and \$4,935 in 2007/08).

Description:	In attempt to minimize the amount of NSR area on the Romeo Malette Forest 466 hectares will be aerially tended to bring it to productive forest status. The areas to be treated are satisfactorily stocked but are not free-to-grow due to competing vegetation. This vegetation includes shrubs, grass, poplar and birch. Competition coverage ranges from 30-80 percent. Romeo Malette Forest.
616-2-R23	
Applicant:	Tembec Industries Inc.
Type:	Renewal of 2002 poplar decline area (Colquhoun Twp.).
Funding:	Approved \$13,839 (\$4,994 in 2006/07; \$6,225 in 2007/08 and \$2,620 in 2008/08).
Description:	Renewal of 50.3 hectares of intolerant hardwood dominated stands decimated by repeated forest tent caterpillar infestation. This area is currently categorized as barren and scattered as it is currently occupied by thick brush. Site preparation using hydro-axe equipped prime mover and herbicide application will be the treatment used. A conifer plantation will be established by hand planting of the site-prepared area and ground based herbicide will be the follow-up treatment. White spruce will be the future forest unit. Cochrane-Moose River Forest.
618-2-R23	
Applicant:	Marathon Pulp Inc.
Type:	Wawa Fire #13 Rehabilitation – Project 2.
Funding:	Approved \$1,667,839 (\$852,084 in 2006/07; \$669,847 in 2007/08 and \$145,908 in 2008/09).
Description:	Intensive treatment of 2,339.6 hectares of productive forest land in the Big Pic Forest will occur over a 3 year period. Project 2 will regenerate the southern section of the fire. It is planned that 1,050 hectares will be mechanically site prepared in the first year, 1,289.6 hectares will be tended in the second year and 1,050 hectares will be planted. The third year of the project will tend 1,050 hectares. Big Pic Forest.
620-5-R23	
Applicant:	Clerque Forest Management Inc.
Type:	Renewal and tending on Class Y and Class Z lands to increase timber production where critical shortages occur.
Funding:	Approved \$3,996 in 2006/07.
Description:	Planting of jack pine will occur on 12 hectares of Class Z lands that are not yet regenerated to meet stocking targets as a result of seedling mortality. Chemical ground treatment on 79 hectare will occur on Class Y lands that were planted prior to the establishment of the SFL. Algoma Forest.
622-5-R23	
Applicant:	Tembec Industries Inc.
Type:	Smooth Rock Falls Conifer upgrade of Class Z Regeneration Areas.
Funding:	Approved \$366,120 (\$46,340 in 2006/07; \$168,655 in 2007/08 and \$151,125 in 2008/09).
Description:	Regeneration of majority of remaining Class Z lands on the Smooth Rock Falls Forest will be completed by aerial tending, chemical site preparation and planting of sites that were harvested during the 1994 MNR year or prior to 1994. Smooth Rock Falls Forest.
625-2-R23	
Applicant:	Abitibi-Consolidated Company of Canada
Type:	Timmins Fire 19 (2005) Rehabilitation.
Funding:	Approved \$1,201,366 (\$272,450 in 2006/07; \$686,686 in 2007/08 and \$242,230 in 2008/09).
Description:	Regeneration of forest areas on the Nighthawk Forest that were destroyed in July 2005 as a result of Timmins Fire 19. There were 2,939 hectares of forest burnt in the fire which represents 0.85% of the landbase for timber production. This is treatment on a plantation that was planted as renewal from Timmins Fire 312 that occurred in 1997. Nighthawk Forest.
626-1-R23	
Applicant:	Bancroft Minden Forest Company Inc.
Type:	Mid-tolerant Hardwood and Oak Renewal.
Funding:	Approved \$19,500 divided equally over three years.
Description:	This project supports intensive management practices to enhance the establishment and development of regeneration of mid-tolerant hardwood species through the implementation of group selection and pre-commercial thinning and cleaning. It also supports the intensive renewal efforts in support of red oak management. This project is highly important to the local industry. The species being managed in this project are typically of higher market value. Bancroft Minden Forest.
628-1-R23	
Applicant:	Mazinaw-Lanark Forest Inc.

Type:	Intensive White Pine and Red Pine Restoration and Maintenance.
Funding:	Approved \$92,160 divided equally over three years.
Description:	This project will improve the long-term supply of white pine and red pine timber of crucial significance for the local forest industry, by applying an integrated package of intensive silvicultural treatments on suitable pine sites where pine resources have been depleted in the past and require silvicultural input to be re-established or reach full productive potential. This will consist of detailed prescriptions, tree marking, mechanical site preparation, tree planting and stock production, tending, non-commercial thinning in young stands and monitoring silvicultural effectiveness. Mazinaw Lanark Forest.
629-1-R23	
Applicant:	Mazinaw-Lanark Forest Inc.
Type:	Mazinaw-Lanark Intensive Hardwood Stand Management.
Funding:	Approved \$117,000 (\$35,100 in 2006/07; \$39,000 in 2007/08 and \$42,900 in 2008/09).
Description:	This project will consist of selective removal of low quality, undesirable and non-merchantable trees in hardwood stands on productive sites to improve future wood supply, growth, quality and structure of residual stands. Total estimated area of the project is 1,500 hectares over a 3 year period. Mazinaw Lanark Forest.
630-3-R23	
Applicant:	Forest Health and Silviculture Section, Forest Management Branch OMNR
Type:	European Pine shoot beetle control program 2000/07.
Funding:	Approved \$80,000 in 2006/07.
Description:	The objective of this program is to slow the spread of pine shoot beetle by reducing or eradicating the insect at isolated sites in central Ontario. Surveys will be done to determine infested sites and estimate population abundance. Trap logs of Scots pine will be placed at the sites during February and March, and then destroyed once they are colonized by the beetle. Follow-up surveys will assess the efficacy of the program.
631-3-R23	
Applicant:	Forest Health and Silviculture Section, Forest Management Branch OMNR
Type:	Jack pine budworm control 2006.
Funding:	Approved \$38,562 in 2005/06.
Description:	Aerial and ground surveys show an outbreak of jack pine budworm is beginning in Northeast and Southern Regions and is underway in Northwest Region. MNR, in collaboration with forest industry and in accordance with the Forest Management Planning Manual, has undertaken the planning process for a management program to protect and manage the pine wood supply in the face of this outbreak. This <i>Forestry Futures Trust</i> project is to conduct the operational control program resulting from the planning process.
632-5-R23	
Applicant:	Hearst Forest Management Inc.
Type:	Regeneration of Class X, Y and Z lands Walls and Marjorie Townships.
Funding:	Approved \$441,710 (\$277,000 in 2006/07; \$136,234 in 2007/08 and \$28,476 in 2008/09).
Description:	Regeneration activities to be carried out on cutover lands in Walls and Marjorie Townships. These lands were initially harvested between 1987 and 1993 and have no previous renewal work carried out on them. Hearst Forest.

Stand Management, Remediation and Protection

Projects Approved for Funding in Round 24

Category 1 – Stand Management

633-1R-24

Applicant: Great West Timber Limited

Type: Intensive stand management

Funding: Approved \$58,000.00 (\$31,900.00 in 2007 and \$26,100.00 in 2008)

Description: Treating slashpile areas - There are a number of areas on the Pic River Ojibway Forest that have old slash piles occupying productive land. These slash piles are from operations prior to 1998. Crop trees have not been able to re-establish themselves in these areas that are covered with slash.

635-1-R24

Applicant: Tembec Forest Resource Management

Type: Intensive stand management

Funding: Approved \$154,800.00 (\$48,840.00 in 2007, \$69,900.00 in 2007, \$36,060.00 in 2009)

Description: The purpose of this project is to increase timber production in the white pine forest units where critical short to long-term shortages occur. This project will treat 160 hectares of the PWR or PW1 forest units using artificial regeneration.

Category 2 - Remediation

636-2-R24	
Applicant:	Tembec Industries Inc., Spruce Falls Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically wildfire
Funding:	Approved \$6,472.00 in 2007
Description:	Wildfire regeneration - The purpose of this project is to aerial seed 48.8 hectares of a conifer plantation (36.8 hectares) and 5.8 of naturally regenerating cutover burnt by Wildfire HE/09 and 6.2 hectares of naturally regenerating cutover burnt by Wildfire
637-2-R24	
Applicant:	Tembec Industries Inc., Spruce Falls Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically wildfire
Funding:	Approved \$52,960.00 in 2007
Description:	Wildfire regeneration - The purpose of this project is to release conifer regeneration that resulted from a wild fire (#48) in 1995. Some of this area was aerially seeded in the late 1990's. The remaining area was left for natural regeneration.
639-2-R24	
Applicant:	Tembec Industries Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically wildfire
Funding:	Approved \$27,648.00 in 2007/08
Description:	Aerial tending - Tending 320 hectares of regenerating conifer areas (jack pine/black spruce) originally burned by Cochrane Fire -38 (Pitt Twp) in 1995. The treatment area was identified by Tembec during aerial free-growing surveys conducted in 2005.
640-2-R24	
Applicant:	Tembec Industries Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically forest tent caterpillar infestation
Funding:	\$62,300.00 (\$23,400.00 in 2007, \$9,275.00 in 2008, \$21,225.00 in 2008 and \$8,400.00 in 2009)
Description:	Renew intolerant hardwood stands - The purpose of his project is to renew 50.3 hectares of intolerant hardwood dominated stands decimated by repeated forest tent caterpillar infestation. The site is currently colonized by thick brush and is deemed to be barren and scattered.
642-2-R24	
Applicant:	Ministry of Natural Resources
Type:	Silvicultural remediation of areas depleted by natural causes, specifically jack pine budworm
Funding:	\$269,000.00 (\$96,800.00 in 2006, \$118,360.00 in 2007 \$53,840.00 in 2007)
Description:	Insect control survey - Aerial and ground surveys show an outbreak of jack pine budworm is beginning in Northeast and Southern Regions and is underway in Northwest Region. MNR in collaboration with forest industry and in accordance with the Forest Management Planning Manual is undertaking the planning process and conduct stand-specific surveys to determine where management actions need to be undertaken.
643-2-R24	
Applicant:	Abitibi-Consolidated Company of Canada
Type:	Silvicultural remediation of areas depleted by natural causes, specifically wild fires
Funding:	\$1,321,149.00 (\$562,198.00 in 2007, \$443,271.00 in 2008 and \$315,680.00 in 2009)
Description:	The purpose of this project is to regenerate areas consumed by wildfires in 2006. These areas included area of naturally regenerated jack pine, naturally regenerated cutover and previously burnt forest. These two year project will involve seeding of burnt areas in March 2007, the planting of burnt areas in May/June of 2007 and 2008, the site preparation of older burnt plantation in 2007 and the collection of cones in 2007 and 2008 to re-build seed inventory.

Category 5 – Remediation of Class Z Lands

641-5-R24

Applicant:

Tembec Industries Inc.

Type:

Silvicultural remediation of areas depleted by natural causes, specifically Class Z lands

Funding:

\$100,080.00 in 2007

Description:

Tending Class Z - The purpose of this project is to tend 1360 hectares of naturally regenerating conifer areas (black spruce) classified as Class Z Lands. This area was depleted prior to 1996 when Tembec assumed responsibility of silviculture on the unit.

Silviculture Stand Management, Remediation and Protection

Projects Approved for Funding in Round 25

Category 1 – Stand Improvement

657-1-R25

Applicant: Tembec Industries Inc.

Type: Intensive stand management

Funding: \$5,660.00 in 2007

Description: This proposal to enhance stocking of blocks by artificial regeneration (tree planting) on the Smooth Rock Falls Forest. The block 66.3 ha was harvested and left for natural regeneration. The block was treated by planting in 2006 and failed. This is a Retreatment of that block.

667-1-R25

Applicant: Westwind Forest Stewardship Inc.

Type: Intensive stand management

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

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

Category 2 - Remediation

644-2-R25	
Applicant:	Abitibi-Consolidated Company of Canada
Type:	Silvicultural remediation of areas depleted by natural causes, specifically blowdown
Funding:	Approved \$229,850.00 (\$136,051.00 in 2007, \$66,904.00 in 2008 and \$26,895.00 in 2009)
Description:	In June 2005 the Atikokan area was struck by a severe storm containing high winds and heavy rains. The forest was blown down or snapped off on 2,669 hectares. Of this naturally disturbed area 213 hectares is planned for tree planting without site preparation and aerial seeding. Chemical tending will be prescribed once the need is assessed.
645-2-R25	
Applicant:	Bowater Canadian Forest Products
Type:	Silvicultural remediation of areas depleted by natural causes, specifically wild fires
Funding:	Approved \$616,000.00 in 2007
Description:	In September 2006, wildfires destroyed over 10,000 hectares of forested land on the Black Sturgeon Forest. Within the limits of this forest fire was approximately 3900 hectares of young jack pine plantations. Other renewing stands were also burned. The proposed project is to ensure that these stands are renewing to conifer by planting in the spring of 2007.
646-2-R25	
Applicant:	Bowater Canadian Forest Products
Type:	Silvicultural remediation of areas depleted by natural causes, specifically wild fires
Funding:	Approved \$253,000.000 (\$153,000.00 in 2007 and \$100,000.00 in 2008)
Description:	In September 2006, wildfires destroyed over 10,000 hectares of forested land on the Black Sturgeon Forest. Within the limits of this forest fire was approximately 3900 hectares of young jack pine plantations. Other renewing stands were also burned. The proposed project is to ensure that these stands are renewing to conifer by planting in the spring of 2007.
648-2-R25	
Applicant:	Long Lake Forest Products Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically wild fires
Funding:	Approved \$256,803.00 in 2007
Description:	The purpose of this application is to assist in the Retreatment of 494.7 hectares of previously regenerated productive forest area that was lost to Nipigon Fire Number 20 in the spring of 2005. The majority of this area was intensively treated in the years between 2002 and 2005 with mechanical site preparation and planting treatments.
651-2-R25	
Applicant:	Tembec Industries Inc., Spruce Falls Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically blowdown
Funding:	Approved \$140,000.00 in 2007
Description:	This project will treat a large area of blowdown that occurred in 2007 in the Gordon Cosens Forest. This project consists of mechanically site preparing and tree planting the area that has been salvaged to date.
653-2-R25	
Applicant:	Nipissing Forest Resource Management Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically blowdown
Funding:	Approved \$416,000.00 (\$88,000.00 in 2007, \$57,000.00 in 2008 and \$271,000.00 in 2009)
Description:	The project intends to maintain White Pine Shelterwood (PWUS forest unit) stand conditions on sites that were being managed as such prior to the July 17, 2006 windstorm. The wind event and subsequent salvage logging operations changed existing stand development stages from those of Preparatory of Seeding Cuts to Barren and Scattered conditions with little or no advanced regeneration.
659-2-R25	
Applicant:	Algonquin Forest Authority
Type:	Silvicultural remediation of areas depleted by natural causes, specifically blowdown
Funding:	Approved \$27,749.00 (\$10,802.00 in 2007, \$16,947.00 in 2008)
Description:	Mechanical site preparation and planting of nursery grown red and white pine stock on approximately 50 hectares damaged by windstorms (downbursts) that occurred in the summer of 2006.
660-2-R25	
Applicant:	Ottawa Valley Forest Inc.
Type:	Silvicultural remediation of areas depleted by natural causes, specifically blowdown
Funding:	Approved \$799,945 (\$381,660 in 2007/08, \$243,815 in 2008/09, \$174,470 in 2009/10)
Description:	This is a combined project of 2 projects based on renewal of natural disturbances-windstorm and tornado. A windstorm on July 17, 2006 affected a widespread area of pine forest. This resulted in blown down trees in previously treated and untreated areas, located in the north end of the Ottawa Valley Forest.

Category 3 - Protection

665-3-R25

Applicant: Ministry of Natural Resources

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

Funding: Approved \$80,000.00 in 2007

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

Silviculture Stand Management, Remediation and Protection

**Applications that were not funded or withdrawn by the
applicant in rounds 24 and 25**

Reasons for not funding projects include:

1. The project fell outside 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.
8. Due to the high volume of applications received in Round 25 and the current status of the trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.
9. Discussion regarding this application has been deferred.
10. Other – Specific to project.

634-2-R24

Applicant: Timiskaming Forest Alliance Inc.
Type: White and Red Pine Enhancement Project 2007 to 2010
Funding: Requested \$589,461.00
Description: Treatment of 891.2 ha of white and red pine sites over three years on the Timiskaming Forest.

Withdrawn - revised application was not submitted, plan to resubmit in round 25

638-1-R24

Applicant: Tembec Industries Inc.
Type: Abitibi Main Road NSR Treatment
Funding: Requested \$16,285.00
Description: Proposed to plant black spruce on site prepared area along a main access route on the Tomeo Maletter Forest

The work had already been started

647-1-R25

Applicant: Weyerhaeuser Company Ltd.
Type: Jack pine pre-commercial thinning to meet critical sawlog shortfall
Funding: Requested \$514,800
Description: Proposed to manually spacing 1200 ha of young overly dense jack pine stand to increase the availability of jack pine sawlog material.

Due to the high volume of applications received in Round 25 and the current status of the Trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.

649-1-R25

Applicant: Tembec Forest Resource Management
Type: Pre-Commercial Thinning of Jackpine Stands
Funding: Requested \$270,100
Description: Proposed to pre-commercial thinning of 365 ha of 10-15 year old jack pine with brush saws.

Due to the high volume of applications received in Round 25 and the current status of the Trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.

650-2-R25

Applicant: Clergue Forest Management Inc.
Type: Silvicultural Remediation in areas killed by natural causes, specifically drought
Funding: Requested \$50,271
Description: Proposed to plant black spruce to improve stock on 207 ha that were killed due to severe drought conditions experienced in 2005

The project could be funded under the Forest Renewal Trust.

652-1-R25

Applicant: Hearst Forest Management Inc.
Type: Chemical Tending of Class X, Y and Z plantations
Funding: Requested \$19,600
Description: Proposed tending of area that were planted in 2004/05 and 2005/06 under FFT Project numbers 481-1-R17 and 502-2-R18.

Discussion regarding this application has been deferred.

654-2-R25

Applicant: Vermilion Forest Management Company Ltd.
Type: Pre-Treatment of Winter-Damaged Red Pine Plantation
Funding: Requested \$47,810
Description: Proposed to mechanically site-prepare approx 70 ha of red pine plantation that has been killed or deformed by cold and replant with jack pine.

Due to the high volume of applications received in Round 25 and the current status of the Trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.

655-6-R25

Applicant: Vermilion Forest Management Company Ltd.
Type: City of Sudbury Crown Land Reforestation II
Funding: Requested \$359,163
Description: Restore red and white pine on approx 1,165 ha of Crown land within the boundary of the City of Greater Sudbury, by planting 765,000 seedlings

Due to the high volume of applications received in Round 25 and the current status of the Trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.

656-1-R25

Applicant: Timiskaming Forest Alliance Inc.
Type: White and Red Pine Enhancement Project 2007 to 2009
Funding: Requested \$850,651.50
Description: This project proposes the re-establishment of pure White and Red pine stands on the Timiskaming Forest beyond planned FMP target levels.

Due to the high volume of applications received in Round 25 and the current status of the Trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.

658-1-R25

Applicant: Bancroft Minden Forest Company Ltd.
Type: White and Red Pine Renewal
Funding: Requested \$510,720
Description: Proposed to support intensive forest management activities to restore white and red pine and to rehabilitate failed natural regeneration attempts.

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".

661-2-R25

Applicant: Ottawa Valley Forest Inc.
Type: Combermere Tornado Renewal Project
Funding: Requested \$36,616
Description: Proposed ground herbicide tending of 65.5 ha of a 638 ha remote access plantation on the Black Bay Peninsula.

Other - combined with project 660-2-R25

662-1-R25

Applicant: Mazinaw-Lanark Forest Inc.
Type: Mazinaw-Lanark Oak Seedbed
Funding: Requested \$96,400
Description: Proposed intensive seedbed preparation for red oak regeneration to coincide with bumper seed crop.

Due to the high volume of applications received in Round 25 and the current status of the Trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.

663-3-R25

Applicant: Ministry of Natural Resources
Type: Asian Long-Horned Beetle and Emerald Ash Borer Restoration, Project II
Funding: Requested \$602,479
Description: Proposed eradication and control of the Asian Long-Horned Beetle and Emerald Ash Borer.

Discussion regarding this application has been deferred.

664-3-R25

Applicant: Ministry of Natural Resources
Type: Asian Long-Horned Beetle and Emerald Ash Borer Eradication and Control 2007-2010
Funding: Requested \$900,000
Description: Proposed eradication and control of the Asian Long-Horned Beetle and Emerald Ash Borer.

Discussion regarding this application has been deferred.

666-1-R25

Applicant: Greenmantle Forest Inc.

Type: Lakehead Forest Wildlife Ground Herbicide Tending

Funding: Requested \$36,616

Description: Proposed ground herbicide tending of a 65.5 ha of the 638 ha remote access plantation on the Black Bay Peninsula.

Due to the high volume of applications received in Round 25 and the current status of the Trust some projects that were previously considered eligible for funding were ranked as a lower priority and therefore not funded.

668-1-R25

Applicant: Abitibi-Consolidated Company of Canada

Type: White Pine and White Spruce Tending Trial

Funding: Requested \$28,025

Description: Proposed to investigate different ways to selectively manage competition and improve the productivity of white pine and white spruce in a plantation

Not eligible for funding under the Forestry Futures Trust Silviculture program, research trials are generally not eligible for funding.

669-1-R25

Applicant: Atikokan Forest Products Ltd.

Type: Pre-Commercial Thinning and Stand improvement of X, Y, Z and Free-to-Grow Harvest Blocks

Funding: Requested \$219,120

Description: Proposed pre-Commercial Thinning and Stand improvement of X, Y, Z and Free-to-Grow Harvest Blocks

The project fell outside of the mandate of the Forestry Futures Trust.

Silviculture Stand Management, Remediation and Protection

List of Projects Completed in 2006/07

(Please Note: Any projects completed prior to 2006/07 have been archived and are available on the Forestry Futures Trust website at www.forestryfutures.ca under the Annual Reports tab.)

ROUND FOURTEEN PROJECTS

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.

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.

ROUND FIFTEEN PROJECTS

427-1-R15

Applicant: Abitibi-Consolidated Inc.
Type: Intensive conifer stands 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.

ROUND SIXTEEN PROJECTS

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.

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.

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, 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

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: Approved \$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.

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.

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.

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.

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.

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.

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.
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.
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.
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; \$80,000 in 2004/05 and \$100,750 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.
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.

ROUND EIGHTEEN PROJECTS

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.
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.
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.
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.
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.
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.
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 provided employment for local forestry workers. Northshore Forest.
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

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.

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.

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.

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.

ROUND TWENTY PROJECTS

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.

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 (\$1,95,000 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.

556-6-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 re-measurement 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.

ROUND TWENTY-ONE PROJECTS

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.

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.

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.

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.

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.

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.

578-3-R21

Applicant: Bancroft Minden Forest 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 – *Neodiprion lecontei*) and False pine webworm – *Acantholyda erythrocephala*) 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.

591-2-R22

Applicant: Tembec Industries Inc.

Type: Silvicultural remediation of areas depleted by natural causes, specifically fire.

Funding: Approved \$23,400 in 2006/07.

Description: The Renewal of the 2005 Chapleau Fire #18 (Lincoln Twp) Fire Project involves planting black spruce and jack pine mix in areas burned by the summer 2005 fire which will ensure that the pre-fire mix is maintained and the productive forestlands are re-stocked. This project will use improved stock black spruce seedlings. The area will be tended in 2007 as the need is assessed. This project will contribute to future wood supplies and provide employment for local forestry workers. J.E. Martel Forest.

ROUND TWENTY-TWO PROJECTS

607-1-R23

Applicant: Tembec Spruce Falls

Type: First Nations Ranger Pre-commercial thinning program.

Funding: Approved \$51,500.

Description: Pre-commercial thinning of 150 hectares of selected conifer stands will use manual thinning. This treatment will reduce stand density from 4,000-5,000 stems per hectare to 2,000-2,500 stems per hectares. This will accelerate growth and increase future supply of quality conifer sawlogs and fibre. This is a cooperative project with First Nation Forestry Youth Employment Program. Gordon Cosens Forest.

627-2-R23

Applicant: Bancroft Minden Forest Company Inc.

Type: White Pine/red Pine Pest Management.

Funding: Approved \$11,466 in 2006/07.

Description: Treatment of identified insect pest infestations in juvenile red pine plantations (Redheaded Pine Sawfly – *Neodiprion lecontei*) and an established white pine seed orchard/seed production area (False Pine Webworm – *Acantholyda erythrocephala* (L.)(Hymenopter:Pampilidae). The component of the project which deals with the treatment of the orchard is the second year of treatment for infestation and will maximize pest control and the long term health of the orchard. Bancroft Minden Forest.

613-5-R23

Applicant: Tembec Industries Inc.

Type: Smooth Rock Falls site enhancement/rehabilitation project on Class Z lands

Funding: Approved \$39,733 in 2006/07.

Description: Two blocks totaling 82.7 hectares will be artificially regenerated (planted) to enhance stocking on the Smooth Rock Falls Forest. Block A (66.7 hectares) was harvested and left to natural regeneration. This block resulted in a stand of low stocking and is anticipated that it will be a preferred harvest area in the future. Block B (16 hectares) was harvested, artificially regenerated, and then depleted by fire. This block will require a tending treatment in Year 2. Smooth Rock Falls Forest.

APPENDIX 3

Enhanced Forest Productivity Science Program

Ongoing Projects

ROUND 01

Awarded June 2005

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

Description: Research has unequivocally shown that insects and diseases cause significant losses to the forest resource annually. In Ontario, losses to insects in 1998-1999 totaled some 18.5 M m³. There appears to be an opportunity to significantly enhance wood volumes available to forest industry if losses to insects and diseases can be reduced in an environmentally sensitive and economically rational manner. This project will assess jack pine budworm impacts on jack pine and develop a Jack Pine Budworm Decision Support System.

PROJECT NUMBER: EFPS 003-1-R1

Project Title: Forest Co-op Growth & Yield Permanent Growth plot program

Applicant: Forest Ecosystem Science Co-operative Inc.

Funding: \$576,000

Duration: 3 Years

Description: This project will provide the quality of information required to accurately predict wood supply projections within forest management planning. The project is to provide improved estimates of tree and stand growth for both natural and artificially regenerated forest types over a wide range of site conditions under a variety of management intensities. The estimates will be used in forest management planning to determine wood supply. The data will be used to develop additional tools to aid in forest resource management.

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

Description: Multi-return LiDAR (Light Detection and Ranging) offers an opportunity to capture dense point data defining the first surface (canopy) and penetration into the vegetation cover with many points also hitting the forest floor. This project will: focus on forest cover types of the Great Lakes St. Lawrence Forest Region; will attempt to develop methods of enhanced inventory estimation for individual trees characteristics (as well as stand level attributes); will explore applications of wetland mapping and stream identification

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

Description: This project seeks to complete the research component of second generation tree improvement programs in three breeding zones in northwestern and four breeding zones in northeastern Ontario. The project will complete the breeding and testing components in seven second-generation tree improvement programs.

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

Description: The overall goal of the project is to determine whether partial harvesting can be conducted within riparian AOCs of boreal forest streams in a way that is compatible with the environmental protection objectives of provincial guidelines. The project plan included the establishment of six research sites in low-order watersheds, collection of baseline data to characterize the sites, habitat and biotic communities, conventional clear-cutting in upland areas and partial harvesting in riparian reserves of three of the sites (the other three serve as reference sites), and post-logging assessment of response variables.

PROJECT NUMBER: EFPS 012-2-R1

Project Title: Extension Project - Forestry Research Partnership

Applicant: Forest Research Partnership

Funding: \$196,000

Duration: 3 Years

Description: The Partnership's Extension Program is the critical component for the delivery of relevant forest science to all levels within various organizations, from the boardroom to field/operational level. The project both leads and supports initiatives to transfer new and existing knowledge relating to Enhanced Forest Productivity to forest management practitioners and policy makers, and to actively involve them in its implementation.

PROJECT NUMBER: EFPS 014-2-R1

Project Title: Logging Damage Impacts

Applicant: Forest Research Partnership

Funding: \$96,000

Duration: 3 Years

Description: Recent second entries into tolerant hardwood stands have identified that expected basal area growth rates were less than was expected or modeled in our strategic wood supply models ensuring our levels of sustainability. The reduction in growth rate has been attributed to many potential factors including logging and site damage. The project will examine the issue of skid trail impacts on the growth of the residual hardwood and pine forest and will provide new science that will be used to adjust silvicultural practices

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

Description: A lack of mixedwood regeneration strategies, coupled with impending wood supply shortfalls for both aspen and spruce identified in Ontario's Provincial Wood Supply Strategy has sparked serious land-use conflicts in the northeast and northwest regions of Ontario and elsewhere. The project's focus is on obtaining better information on the regeneration, management, tending, and protection of boreal mixedwoods.

PROJECT NUMBER: EFPS 017-2-R1

Project Title: Parkside Gully Tolerant Hardwood Selection Harvesting and Product Recovery Study

Applicant: Forest Research Partnership

Funding: \$20,000

Duration: 3 Years

Description: The Parkside Gully Tolerant Hardwood Selection Harvesting and Product Recovery Study is one of the longest running and largest size controlled harvest hardwood studies known in Ontario. This project will re-measure all permanent sample plots (treated and control) associated with this study, carry out the next scheduled operational harvest of the study stands, and complete a full product recovery study to relate the final wood products (boards, veneer, pulp, bolts) and their values in relation to the different preharvest log grades present on the sites.

PROJECT NUMBER: EFPS 018-2-R1

Project Title: Spatial Planning for Sustainable Forest Management

Applicant: Forest Research Partnership

Funding: \$157,000

Duration: 3 Years

Description: The main objective of the project is to improve sustainable forest management modeling and decision support capabilities using Patchworks and other related models. A second objective is to develop linkages between Patchworks and other models that are capable of modeling risk and uncertainty. This will provide forest managers with a spatially explicit decision support system that enables them to incorporate risk into their planning process.

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

Description: This study's aim is to identify the vegetation components that most compete with white pine and the time during seedling development when competition is greatest, so that foresters may better target and time vegetation management efforts for the greatest success. Project outcomes will also address and provide further information on the potential for efficient herbicide use and lower risk integrated pest management strategies, where competition control to improve early establishment of this species is critical.

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

Description: This project uses the full sample plot network to develop yield curves that reflect different levels of management intensities. The validation of the curves against an independent data set is an important part of model development and refinement. The objective of this project is to validate the yield curves against independent data and publish the results.

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

Description: Development of taper equations is a basic prerequisite to estimating individual tree volumes and product yields. The objectives of this study are to develop new and more appropriate taper functions for these species; evaluate the long-term density effects on tree form which arise from different planting density (or by mortality) and by thinning, and determine the most appropriate sampling design in terms of the sample size and selection procedures which minimize prediction error when building taper equations.

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

Description: This study will provide Ontario-based data to improve provincial silviculture guides and allow for adaptive fine-tuning of strategies for regenerating mid-tolerant and tolerant tree species. The results will also provide recommendations for maintaining or improving the breeding habitat of some of Canada's most sensitive forest bird species within both fragmented and continuous forest systems.

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

Description: Multi-cohort Forest Management (MFM) offers a strategy for balancing goals by applying silvicultural techniques that emulate natural structural variability within boreal stands, from relatively young stands consisting of a single cohort of trees to the oldest stands in which multiple cohorts of trees may be represented. Specific objectives are to develop a forest-type-specific system of cohort classification that uses plot-based measurements of stand structure; to use enhanced forest inventory information (EFI) to test the applicability of the plot-based system to the stand and management unit levels; to use plot data and EFI to examine multi-scale relationships between cohort type and wildlife communities, focusing on small mammals, birds, and selected insect taxa; and to use an individual-based model of stand dynamics to project fibre and wildlife values under different MFM silvicultural scenarios.

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: Department of Biology, Lakehead University and Centre for Northern Forest Ecosystem Research, MNR

Funding: \$200,000

Duration: 3 Years

Description: This research shall address four broad questions regarding riparian management: What are the physical and biological responses of small stream riparian zones to various levels of disturbance?; How do the various levels of shoreline disturbance influence the ecological characteristics of small stream systems?; What are the watershed scale impacts of natural disturbance versus the different forest management scenarios?; and, What are the economic and ecological tradeoffs under different riparian zone management scenarios?

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

Description: This project will provide essential scientific information and tools that will contribute to sustainable forest management under the new operating paradigm that includes climate change, carbon (C) accounting and intensive silviculture. The research project will allow the team to strengthen the network of collaborators; link critical soil parameters to forest ecosystem characteristics and management scenarios; calibrate ecosystem and C budget models for specific stand types that will allow forest policy makers to evaluate the long-term consequences of different management activities; and, support the maintenance and training of high quality personnel through the research and graduate studies capacities of Lakehead University.

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
Description: This project uses a light-capture based modelling approach to provide more robust, long-term forecasts of stand structure, composition, growth and yield. A light-capture based modelling approach is more straightforward and is more closely related to tree growth processes than empirical models. The goal of this project is to complete a light-capture based stand dynamics model, IVY, and to implement a practical software interface for this model. The name IVY is derived from the abbreviation of volume increment, iV, and emphasizes that the model estimates the volume increment of individual trees.

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
Description: The goals of this study are to develop the first decision support model capable of providing decision makers with a mixture of seed sources that minimizes risk of maladaptation at a given site under all probable climate change scenarios; and, to apply this model to evaluating the advisability of including some elite trees taken from outside current breeding zone boundaries into 2nd and 3rd generation breeding programs based on predicted climate change considerations.

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
Description: The goal of this project is to synthesize data and results from existing studies and monitoring efforts. The specific objectives of this project are five-fold: Develop a first generation competition index model for jack pine, black spruce, white spruce and white pine using available data; Contrast conifer gains against hardwood losses for multiple vegetation management treatments; Provide a scientifically defensible comparison of the effectiveness of multiple vegetation management treatments relative to aerially applied herbicides based on 10th-year post -treatment data; Determine longer-term (> 10 year) impacts of forest vegetation management practices on biodiversity; Synthesize results of the studies and transfer to practitioners.

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
Description: The project will focus on the development of more cost-effective, quantifiable, and re-measurable free-to-grow (FTG) inventory methodologies coupled with an effective implementation strategy at both the policy level and utilization by both OMNR and industry forest management teams. The project will evaluate the accuracy, results and cost effectiveness of large-scale photography for FTG assessments by comparing results to various ground survey methods.

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

Description: The Vermilion orchard will be assessed for growth, form and wood quality traits to enhance the genetic selection in jack pine and to evaluate operational methods for the non-destructive assessment of relative wood density. The project will: a) study the relationship of relative wood density (measured by a resistograph) to actual wood density (measured by an x-ray densitometer) in jack pine, and b) determine whether or not economic gain is maximized by using a selection index incorporating growth, form and wood quality traits.

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

Description: The project's goal is to advance knowledge on mixedwood management by testing innovative techniques for achieving productive mixtures of conifers and hardwoods at operational scales, and monitoring associated changes in ecological indicators. An active adaptive management framework is being used in the project to speed learning and ensure incorporation of results into practice

Enhanced Forest Productivity Science Program

Projects Approved for Funding

Round 02

Awarded May 2006

PROJECT NUMBER: EFPS 074-2-R2

Project Title: Modelling Diameter Distribution and Stand Value for Three Types of Jack Pine Stands in Ontario
Applicant: Forintek Canada Corp.
Funding: \$218,000
Duration: 3 Years
Description: This project will not only provide the missing growth and yield information on jack pine stands, but also establish a direct link between FRIs and product recovery. The ability to predict stand-level product recovery from the FRIs and as a result of stand management will lead to better estimates of wood supply, and better-informed silvicultural, harvesting and end-use decisions.

PROJECT NUMBER: EFPS 075-2-R2

Project Title: Silvicultural and Ecological Productivity of Black Spruce / Jack Pine Mixedwoods
Applicant: Centre for Northern Forest Ecosystem Research, MNR
Funding: \$74,000
Duration: 3 Years
Description: This project will review existing literature on conifer mixedwood productivity, test the hypothesis that mixedwoods are more productive than single species stands in the context of black spruce (Sb) and jack pine (Pj), and develop at least one crop plan designed to manage for both species on the same site. Mixed and single species stands that are currently at the self-thinning phase of stand development will be examined to assess their potential for increased productivity through mixedwood management.

PROJECT NUMBER: EFPS 076-2-R2

Project Title: Striking A Balance: Enhancing Forest Productivity to Meet Future Wood Supply and Bioenergy Objectives While Sustaining Ontario's Boreal Forest Ecosystems
Applicant: Forest Ecosystem Science Co-operative Inc.
Funding: \$211,400
Duration: 3 Years
Description: Striking a balance for sustainable forest management builds on the best available science from forestry and forest ecology disciplines to enhance forest productivity and conserve forest ecosystem structure and function. Natural origin stands approaching the onset of old growth are being compared with new stands established through extensive, basic, intensive and elite levels of silviculture for response to two questions 1) "How much fibre can be gained through integration of silvicultural treatments? 2) Will floral species be lost despite our best efforts to retain tree species and structural diversity?"

PROJECT NUMBER: EFPS 077-2-R2

Project Title: Regeneration of paludified forests after different forest harvest and site preparation techniques
Applicant: Chaire industrielle CRSNG-UQAT-UQAM en aménagement forestier durable, Université du Québec en Abitibi-Témiscamingue
Funding: \$16,611 (Year 1 funding), \$110,250 (Years 2 and 3)
Duration: 3 Years
Description: This study proposes to look at the consequences of these harvesting techniques by comparing them to old harvest sites that were harvested by clear cuts (where the soil organic layer was greatly disturbed) and prescribed burns (that are closer to the natural disturbance pattern) that were carried out in the 1970s and 1980s. Measures of tree stocking, growth and foliar nutrition, along with site condition variables will determine whether stands that are created by current techniques, result in inferior, similar or superior tree establishment and growth when compared to previous techniques that disturbed more severely the surface soil.

PROJECT NUMBER: EFPS 078-2-R2

Project Title: Characterizing marten natal den sites in managed forests.
Applicant: Northeast Science & Information Section, MNR
Funding: \$25,000
Duration: 1 Year
Description: Martens preferentially use older forest stands with significant conifer composition, large trees and complex structural conditions near the ground. These stands are also important to the industrial wood supply. The study will investigate whether there are more suitable marten den sites in older forests or forests that have the structural characteristics of older forests, than in forest stands without these characteristics. This study will attempt to determine the critical structural characteristics of marten natal and maternal den sites and the stands within which they are located.

PROJECT NUMBER: EFPS 079-2-R2

Project Title: Impact of Prescribed Burning on Growth and Dynamics of Forest stands
Applicant: Forest Ecosystem Science Co-operative Inc.
Funding: \$150,000

Duration: 2 Years
Description: This project will investigate the effects of prescribed burns and basic silviculture (site prep, plant, tend) on forest growth and yield, stand dynamics and early stand floristics as compared to natural fire. A series of 'matched' plots will be established in 14 to 35 year old plantations and natural sites with 3 broadly contrasting disturbance histories: wildfire, prescribed burn, and mechanical site preparation.

PROJECT NUMBER: EFPS 080-2-R2

Project Title: Maximizing the Value of Black Spruce Resource through Development of an Integrated IFM Strategy
Applicant: Forintek Canada Corp.
Funding: \$164,000
Duration: 3 Years
Description: Each cubic meter of wood is not created equally in terms of product recovery (yield, quality, mix, value). Therefore, forest managers should not simply strive to maximize wood fiber production which could be at the expense of the quality and value of the end-products. The three-year project to be completed in 3 phases and will evaluate the impact of three major IFM practices (pre-commercial thinning, commercial thinning and stand age-class or harvest age) on the entire wood value chain in black spruce.

PROJECT NUMBER: EFPS 081-2-R2

Project Title: Implementation of Enhanced Forest Productivity: A Pilot Project on the Romeo Malette Forest
Applicant: Forestry Research Partnership
Funding: \$157,150
Duration: 3 Years
Description: The Forestry Research Partnership (FRP) has been involved with more than 120 research projects aimed at enhanced forest productivity and sustainability. As a means of operationally validating these new FRP products and catalyzing wider application of enhanced forest productivity, the FRP proposes to establish a series of demonstration areas encompassing approximately 1000 ha on the Romeo Malette Forest. On these areas, state-of-the-art knowledge and tools will be integrated as harvest-to-harvest sequences of silvicultural best-practices, aimed at maximizing forest productivity.

PROJECT NUMBER: EFPS 082-2-R2

Project Title: Commercial Thinning in Black Spruce Plantations
Applicant: Centre for Northern Forest Ecosystem Research, MNR
Funding: \$198,290
Duration: 3 Years
Description: The objective of this project is to provide an integrated quantitative analysis of the silvicultural, ecological and economic effects of several CT regimes in boreal black spruce plantations. This project will examine responses in terms of resource supply (light, nutrients, moisture), tree growth and stand productivity (physiological response and growth allocation), understory plant dynamics (composition, structure and diversity), operational costs, and wood quality and value. The treatments established through this project will provide a valuable research tool for the examination of stand level responses for the next 20+ years.

PROJECT NUMBER: EFPS 083-2-R2

Project Title: 15-Year Growth and Yield from Ontario Critical Period of Vegetative Competition Study
Applicant: Forestry Research Partnership
Funding: \$29,500
Duration: 2 Years
Description: A critical period (CP) study was established outside Sault Ste. Marie, Ontario in 1992 to define the optimum timing and duration of vegetation control for jack pine, red pine, white pine, and black spruce plantations. As the study will be completing its 15th year in 2006, it is vital that tree growth and survival be measured to provide data for improving growth and yield models, the interaction of vegetation management and soil productivity, and to determine whether the CP determined during the early years of stand development is maintained over time. This project will measure, analyze, and report the 15th-year results from the Ontario CP study.

PROJECT NUMBER: EFPS 084-2-R2

Project Title: Enhanced Forest Management of Red Oak and White Pine in Shelterwood Silvicultural
Applicant: Department of Biology, Nipissing University
Funding: \$120,000
Duration: 3 Years
Description: The objective of this project is to examine the application of intensive forest management practices for red oak, and explore how similarities in the ecology and management of red oak and white pine can be incorporated into strategies for enhancing the productivity of stands that contain both of these species. The study will also contribute to data collection for studies that have been initiated and require long-term monitoring approaches.

PROJECT NUMBER: EFPS 085-2-R2

Project Title: Reducing Uncertainty of Wood Supply through Better Understanding of Recreation Use: An Application of the Spatial Recreation Planning Framework

Applicant: Centre for Parks, Recreation and Tourism Research, Lakehead University

Funding: \$177,000

Duration: 3 Years

Description: The proposed research project will explore the integration of recreation, tourism, and commercial forest operations in order to reduce conflict, costs of operations, and provide enhanced certainty in wood supply. The objectives of the study include: To test the transferability of the Spatial Recreation Planning Framework into a new geography that contains general use (including tourism and recreation) and enhanced management areas; To explore the potential of the Spatial Recreation Plan to act as a forecasting tool to identify special recreation places; To gain a better understanding of key criteria that exist within already identified special recreation places; and, to identify the seasonal importance of special recreation places.

PROJECT NUMBER: EFPS 086-2-R2

Project Title: Development and Implementation of Succession Model (Modeling Ontario's Stand Succession and Yield (MOSSY)) in Ontario

Applicant: Forest Ecosystem Science Co-operative Inc.

Funding: \$60,000

Duration: 3 Years

Description: MOSSY is a user-friendly empirical model (decision support tool) that provides forest managers with defensible estimates of forest succession and yield, while also providing a software shell for the new and provincially approved benchmark yield curves. The goal of MOSSY is to provide yield and estimates of natural succession based on the re-measured Provincial growth and yield permanent sample plot dataset, and compatible with current forest management planning procedures and tools.

PROJECT NUMBER: EFPS 087-2-R2

Project Title: The Use of LSP with Satellite or Aerial Super High Resolution Imagery to Project and Track Stand Development

Applicant: Forest Ecosystem Science Co-operative Inc.

Funding: \$112,000

Duration: 2 Years

Description: This project will test the utility of using Large Scale Photography (LSP), with high resolution imagery & ITC techniques to determine future yields based on values derived from the analysis of managed forest stands and density management diagrams. The LSP & ITC techniques should also identify the species composition of the block to aid in planning competition control.

Enhanced Forest Productivity Science Program

List of Projects Completed in 2006/07

ROUND 1

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
Description: Using a process-based stand development model this project will develop “yield” curves for critical stand-level habitat elements. Using habitat occupancy models already developed the project will demonstrate application of the habitat element curves by predicting future probabilities of habitat occupancy for selected species in the Nipigon and Gordon Cosens Forest Management Units.

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
Description: This project is to complete the data entry phase of the Northern Ontario Plant Database (NOPD) and to accomplish additional goals aimed at improving the usefulness of the NOPD to the forestry community.

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
Description: The purpose of this project is to explore the extent to which forest management practices in Ontario meet the expectations that Aboriginal peoples have of the way Crown forest lands within their traditional territories should be managed. The main outcome of the project will be an increased capacity to address Aboriginal dimensions of sustainable forest management.

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
Description: A partial harvest trial of a boreal mixedwood stand was initiated in 1995 on the Lake Abitibi Model Forest. A subsequent tent caterpillar outbreak accelerated the natural mortality of a large portion of the overstory trembling aspen. This combination of events presented a unique opportunity to quantify and compare the effects of partial harvested and unharvested stands when a natural disturbance (insect defoliation) is superimposed on the treatments tested, accelerating natural stand break-up.

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
Description: This research will evaluate how closely post-harvest silvicultural practices, including intensive forest management practices, emulate natural disturbance processes, such as fire, from the perspective of boreal landbirds. The research will provide a framework for ongoing future habitat and monitoring by developing remote-sensing protocols (validated by field data).

APPENDIX 4

Far North Forest Development Initiative

Ongoing Projects

ROUND 1

PROJECT NUMBER: FNFD 003-R1

Project Title: Moose Cree Forest

Applicant: Moose Cree First Nation

Funding: \$219,165

Duration: 4 Years

Description: The Moose Cree are preparing to enter into the formal land use planning process with the Ministry of Natural Resources and need the resources to participate in the process. The applicants made it clear that the Moose Cree First Nation have not assumed that they will start commercial forestry in their traditional territory. The Chief and Council have agreed to enter into the land use planning process by direction from the Moose Cree membership. The Moose Cree First Nation is requested funding for two specific activities related to Community Land Use Planning. Specifically, a) Preparation and completion of the terms of reference for posting on the EBR by June 2006, and b) Ongoing work with the MNR, MOE and stakeholders during the public land use planning process from June 2006 to December 2007.

PROJECT NUMBER: FNFD 005-R1

Project Title: Community-Based Land Use Planning Project (CBLUPP)

Applicant: Eabametoong First Nation/Mishkeegogamang First Nation

Funding: \$90,000

Duration: 3 Years

Description: Eabametoong First Nation and Mishkeegogamang First Nation wish to start the learning process for community based planning and plan to develop a terms of reference for the actual planning process. To support this learning process the communities believe that communications must begin in earnest between and among the partners in this project including: Community of Eabametoong FN, Community of Mishkeegogamang FN, MNR, MNDR, and Community of Pickle Lake. Forestry Futures funds are provided to support travel and meeting expenses associated with communication between the various partners.

ROUND 2

PROJECT NUMBER: FNFD 006-R2

Project Title: Northern Boreal Initiative - Community-Based Land Use Planning

Applicant: Windigo First Nations Council, on behalf of Slate Falls First Nation and Cat Lake First Nation

Funding: \$118,000

Duration: 1 Year

Description: The land is an integral part of the cultural, economic and spiritual existence of the Cat Lake and Slate Falls First Nations. Cat Lake First Nation and Slate Falls Nation are working in partnership with the Ontario Ministry of Natural Resources and with the Northern Boreal Initiative Planning Team to prepare a community-based land use strategy for that portion of their traditional territory that lies north of the area of the undertaking (AOU) and north of the area addressed by Ontario's Living Legacy existing planning direction. The endorsed Strategic Land Use Plan will act as a mechanism that sets out clear direction for land use and will enable Cat Lake and Slate Falls to assess the feasibility of commercial forestry within their traditional territory. A final endorsement of strategies will be required from Cat Lake and Slate Falls and from the OMNR under the authority of the Minister of Natural Resources administering the Public lands Act. Once the strategic land use planning document is complete it will provide direction to government, resource based industry and other land use regulatory agencies in their assessment of development projects.

PROJECT NUMBER: FNFD 007-R2

Project Title: Building Knowledge – Research in Support of Community-Based Land Use Planning

Applicant: Little Grand Rapids First Nation

Funding: \$88,000

Duration: 1 Year

Description: Little Grand Rapids First Nation's long term vision is to complete a community-based land use plan for their traditional lands (located in Ontario and Manitoba). This project pertains to trapline areas in Ontario and early stages of research and knowledge-gathering to build an information base from which to develop a land use plan. The purpose of the project is to undertake a variety of activities that will increase their knowledge about the history, environmental characteristics and economic potential of trapline areas in Ontario. Land use planning is also a requirement for achieving inscription on the list of World Heritage Sites. Little Grand Rapids is working on this project in conjunction with Pauingassi First Nations FNFD Project #008-R2.

PROJECT NUMBER: FNFD 008-R2

Project Title: Building Knowledge – Research in Support of Community-Based Land Use Planning

Applicant: Pauingassi First Nation

Funding: \$88,000

Duration: 1 Year
Description: Pauingassi First Nation's long term vision is to complete a community-based land use plan for their traditional lands (located in Ontario and Manitoba). This project pertains to trapline areas in Ontario and early stages of research and knowledge-gathering to build an information base from which to develop a land use plan. The purpose of the project is to undertake a variety of activities that will increase their knowledge about the history, environmental characteristics and economic potential of trapline areas in Ontario. Land use planning is also a requirement for achieving inscription on the list of World Heritage Sites. Little Grand Rapids is working on this project in conjunction with Little Grand Rapids First Nations FNFD Project #007-R2.

PROJECT NUMBER: FNFD 009-R2

Project Title: Community-Based Land and Resource Management Planning: Integrating Community Knowledge, Land Use, and Values
Applicant: Constance Lake First Nation
Funding: \$110,000
Duration: 1 Year
Description: This project will document and integrate Constance Lake First Nation's (CLFN) Traditional Knowledge base, land use values and occupancy, both historical and current. A self-made map of Traditional Knowledge in an interactive, as well as audio/video GIS program form will consist of values maps, traditional knowledge information, and culturally-significant sites. Each value, plant, animal or significant site on the interactive map will have attached to it a story (both audio and video) told by Constance Lake Elders, trappers and other membership that will contribute to building a Traditional knowledge information base. The project will provide the opportunity for increase training and capacity building for Youth and Elders through participation in Field Inventories, Permanent Sample Plots and values collection and mapping. The community will utilize the data to ensure that values are understood, acknowledged and managed for during resource management planning. CLFN will develop management strategies for community-based land and resource planning centered on community values and knowledge for the area. Furthermore, the community will utilize the data to assess potential economic opportunities based on social, cultural and ecological values.

Far North Forest Develop Initiative

List of Projects Completed in 2006/07

ROUND 1

PROJECT NUMBER: FNFD 001-R1

Project Title: Whitefeather Forest Initiative: Development Planning Activities Project – 2005/06
Applicant: Whitefeather Forest Management Corporation
Funding: \$250,000
Duration: 1 Year
Description: This project supports activities in the final year of a five year process to complete a Land Use Strategy for the Whitefeather Forest Planning Area including completion of the Land Use Strategy document, completion of related dialogue with interested parties and presentation to the public for comment at the third and final Open House. Additional activities included dialogue and development of an Options paper related to cooperative management and stewardship arrangements between Pikangikum and OMNR for the Whitefeather Forest Planning Area; and development of business arrangements in relation to a proposed value-added enterprise development in partnership with Wabigoon Lake Ojibway Nation and an industry partner. A number of partnership arrangements regarding financial support for this project were established. The Forestry Futures Trust provided support in areas where funding was not available.

PROJECT NUMBER: FNFD 002-R1

Project Title: Community-Based Land Use Planning
Applicant: Windigo First Nations Council, on behalf of Slate Falls First Nation and Cat Lake First Nation
Funding: \$208,560
Duration: 2 Years
Description: The Windigo First Nations Council communities of Slate Falls First Nation and Cat Lake First Nation wish to continue the community based land use planning and resource documentation that was started in 2000. The primary interest of Slate Falls and Cat Lake is to pursue new resource-based economic development through forestry by acquiring commercial forest tenure and associated forestry opportunities as well as protected areas opportunities within their traditional territories. These community-based land use plans will prepare Slate Falls and Cat Lake to lead economic development initiatives that will result in new jobs and a leadership role in sustainable forest management. One of the products of the community-based land use planning exercise will be the preparation of a Strategic Action Plan which will outline the steps required to reach the goals of a Sustainable Forest License.

PROJECT NUMBER: FNFD 004-R1

Project Title: Northeastern NBI Forestry Opportunity Study
Applicant: Constance Lake First Nation
Funding: \$66,000
Duration: 2 Years
Description: Constance Lake First Nation was provided funding to hire a Coordinator to assist Constance Lake First Nation with its Community Based Land Use Plan for the area of interest contained in the Northern Boreal Initiative area. Some specific deliverables the Committee would like to see from the allocation of these funds include: 1.) Coordinator/consultant hired within three months; 2.) Development of a background document outlining previous work related to the Northern Boreal Initiative; 3.) Development of a work plan that will build on previous work and outline a community based land use planning process; 4.) Exploration of partnerships with the other First Nations and coming to some resolution; and 5) Submission of a full proposal in the next round of applications outlining Constance Lake's proposed approach to community based land use planning and requesting the necessary funds to complete the work.

APPENDIX 5

Enhanced Forest Resource Inventory (eFRI) Program

Ongoing Projects

2006_2b	Region: Northwest
Contractor	Terrace Bay Pulp Inc.
Type	Forest Resources Inventory
Funding	\$1,684,744.92
Description	Preparation of a Forest Resources Inventory for the Kenogami Forest per the Services Contract between Neenah Paper Company of Canada and Timberline Forest Inventory Consultants, Ltd. Dated June 20, 2005
2006_3	Region: Northwest, Northeast, Central
Contractor	Champlain Air Surveys.
Type	Permanent Forest Inventory Photo Plots
Funding	\$310,503.30
Description	Acquisition of aerial photography for 885 permanent forest inventory photo plots as per the agreement for Aerial Photography Services between the Ontario Ministry of Natural Resources and Champlain Air Surveys Ltd. Dated June 27, 2006 (RFP No.: OSS/072271)

Enhanced Forest Resource Inventory (eFRI) Program

List of Projects Completed in 2006/07

2006_1	Region: N/A
Contractor	Ontario Ministry of Natural Resources
Type	MNR Administration Fees
Funding	\$450,000
Description	Administration of the enhanced Forest Resources Inventory Program
2006_2a	Region: Northwest
Contractor	Neenah Paper Co. of Canada
Type	Forest Resources Inventory
Funding	\$1,657,255.24
Description	Preparation of a Forest Resources Inventory for the Kenogami Forest per the Services Contract between Neenah Paper Company of Canada and Timberline Forest Inventory Consultants, Ltd. Dated June 20, 2005
2006_4	Region: Northeast
Contractor	Abitibi-Consolidated Company of Canada, Iroquois Falls Division
Type	Forest Resources Inventory
Funding	\$551,793.87
Description	Preparation of a Forest Resources Inventory for the Iroquois Falls Forest

APPENDIX 6

Forestry Futures Field Visit Reports

- Armstrong Forest
- Temagami Forest

Armstrong Forest Blowdown

Project Number: 540-2-R20 (Armstrong Forest Blowdown)
Project Type: Remediation of forests damaged by natural disasters, specifically wind and snow
Funding Years: 2005/06 (\$1,112,000); 2006/07 (\$506,000)
Area Treated: Approx. 1000 hectares
Participants: Sarah Bros, FFTC; Bob Elliott, FFTC; IFA Audit Team and auditees; Bertha Strickland, MNR Area Forester; Spooner Collins, Domtar Forest Products

Field Trip Overview:

Sarah Bros and Bob Elliott visited the Armstrong blowdown area as part of an Independent Forest Audit of the Armstrong Forest. This project consisted of re-establishing conifer forest in areas damaged by wind and snow during the fall of 2001. The project was carried out by the licensee Domtar Forest Products. The project involved mulching operations using a brush cutting machine (Delta DT 0530RT with FECON Bull Hog BH350 mulching head) on approximately 1,000 hectares of blowdown.

The group toured the site and viewed areas within the blowdown. We saw both the Forestry Futures Trust treated areas (Figure 1) and areas left to natural regeneration (Figure 2) that had not been treated. Viewing the salvage area and the not salvaged area made for a good comparison of what the site looked like before clearing operations took place.



Figure 1: Forestry Futures Project



Figure 2: Untreated blowdown

The planted jack pine establishment has been quite successful (Figure 3). A portion of the area was left to regenerate naturally. Initial observations suggest this area will require subsequent treatment if it is to regenerate satisfactorily (Figure 4). The lack of seed source present on the treatment area is likely the cause. With the exception of a lack of natural regeneration this project is a success story and it appears that the plantation will produce a healthy and productive future forest.

Socio-Economic Benefits:

This project provided local employment for equipment operators (site preparation) and silvicultural workers. The treatment has accelerated the timeframe for re-establishing the pine forest on these sites and subsequently the time to the establishment of a mature forest with flexibility for future economic benefits.



Figure 3: Artificial regeneration



Figure 4: Area left to naturally regenerate

Temagami Forest

Project Number: 548-1-R20 North Bay District MNR -Temagami CMU
Project Type: Intensive stand management to space conifer where critical shortages occur.
Funding Years: 2005/06 (\$240,000); 2006/07(\$280,000); 2007/08(\$280,000)
Area Treated: 2,000 hectares
Trees Planted: 5-10 year old Spruce/Pine plantation
Date of Field Visit: June 7th, 2007
Participants: Sarah Bros, FFTC; IFA Audit Team; Rob Baker, MNR Resource Analyst; Lori Costello, MNR Forest Technician

Field Trip Overview:

Sarah Bros visited the Temagami cleaning project area as part of an Independent Forest Audit of the Temagami Crown Management Unit. This project involved manually cleaning approximately 2,000 hectares of plantation using brush saws. The project was carried out by a local silvicultural contractor under contract to the Ministry of Natural Resources.

The group toured the site and viewed areas within the plantation that had been tended. We saw both the Forestry Futures Trust treated areas (Figure 1) and areas not treated. A pre- survey of the plantation revealed the tree density met the target density in the project proposal of 1900 to 2400 stems per hectare. The survey revealed 1700 stems per hectare therefore only tending was carried out on the site. The balance of the project funding was turned back to the Forestry Futures Trust. The cleaning work done was successful in releasing the planted spruce and pine.



Figure 1: Forestry Futures Project

Socio-Economic Benefits:

This project provided local employment for First Nations. The treatment has released the spruce and pine planted on these sites and will lessen the time to FTG and the establishment of a mature forest with flexibility for future economic benefits from this forest.

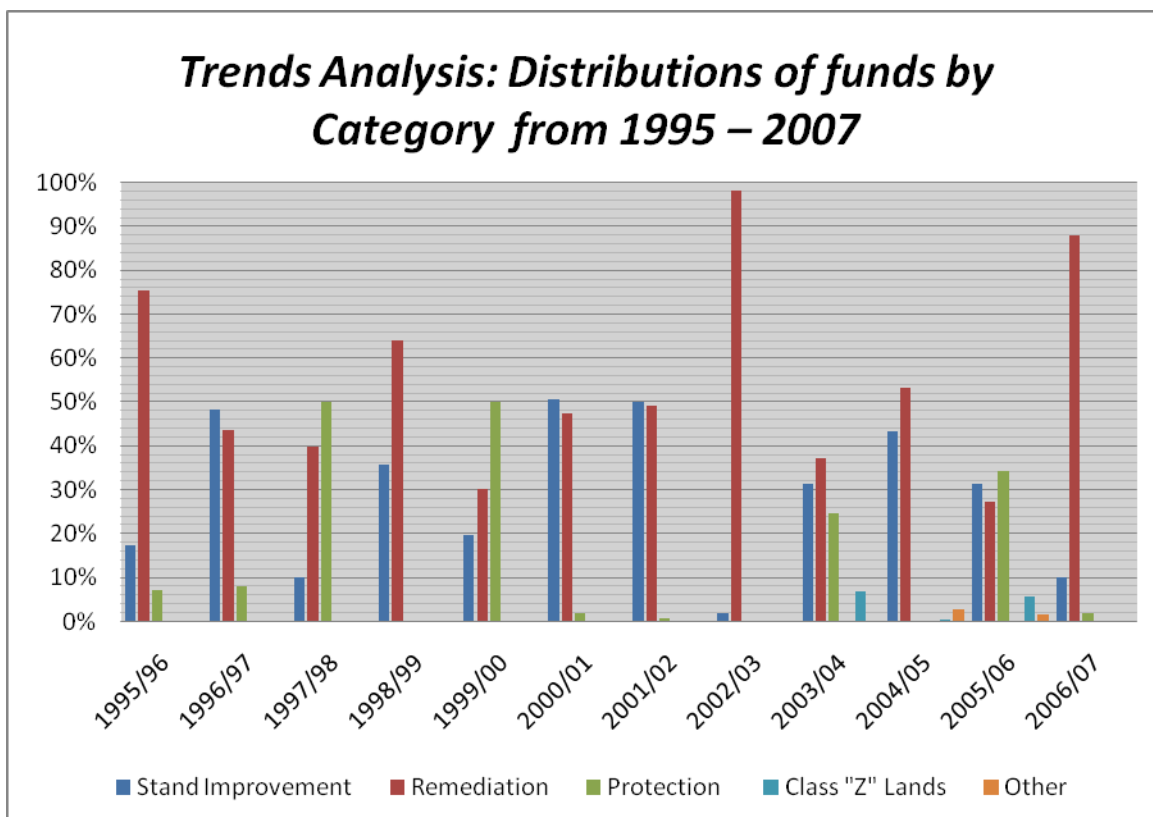
APPENDIX 7

Reference Tables

Reference A: Summary of Funds Approved by Category

Round Numbers	Categories					Total Approved Funds
	1. Stand Imp.	2. Remediation	3. Protection	5. Class "Z" Lands	6. Other	
24	312,880	1,739,529				2,052,409
25	245,660	2,839,347	220,000			3,305,007
TOTAL	558,540	4,578,876	220,000	0	0	5,357,416
Percent of Total Funds Approved	10.43%	85.47%	4.11%	0.00%	0.00%	100.00%

Reference B: Trends analysis: distribution of funds by category from 1995 – 2007



Reference C: Summary of applications for round 24 and 25

CATEGORIES BY REGION	NUMBER OF APPLICATIONS		TOTAL FUNDING DOLLARS	
	RECEIVED	APPROVED	REQUESTED	APPROVED
STAND IMPROVEMENT (1)				
Northwest Region	4	1	837,436	58,000
Northeast Region	8	3	2,057,027	260,540
Southern Region	3	1	1,033,120	240,000
STAND IMPROVEMENT TOTAL	15	5	3,927,583	558,540
REMEDICATION (2)				
Northwest Region	5	5	4,421,685	2,676,802
Northeast Region	7	5	791,041	565,380
Southern Region	3	2	1,074,209	827,694
Province Wide	1	1	415,000	269,000
REMEDICATION TOTALS	16	13	6,701,935	4,338,876
PROTECTION (3)				
Northwest Region	1	1	174,432	140,000
Northeast Region	2	0	1,502,479	0
Southern Region				
Province Wide	1	1	80,000	80,000
PROTECTION TOTALS	4	2	1,756,911	220,000
INSOLVENCY FUNDING (4)				
CLASS "Z" LANDS (5)				
Northwest Region				
Northeast Region	1	0	16,285	0
Southern Region				
CLASS "Z" LANDS TOTAL	1	0	16,285	0
OTHER (6)				
Northwest Region				
Northeast Region	1	0	359,163	0
Southern Region				
Province Wide				
OTHER TOTAL	1	0	359,163	0
ALL REGIONS	37	20	12,761,877	5,117,416