Forests for Tomorrow

Annual Report 2007/08

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Message from the Chief Forester

I am pleased to present the Forest for Tomorrow 2007/2008 Annual Report. The purpose of this report is to highlight FFT performance and key initiatives in 2007/2008. The Forests for Tomorrow program aims to improve the future timber supply in areas affected by wildfires and the mountain pine beetle and reduce the risks to biodiversity, water, fish, and habitat through strategically selecting of areas for silviculture treatments and restoration activities. Ultimately the program aims to strengthen the resilience of British Columbia's forests to climate change, and contribute to growing healthy and productive forests. The program is guided by the principles of the New Relationship with First Nations and Aboriginal People, FRPA forest resource values and legislation, forest worker safety, and sustainable forest management.

The initial focus of the program when it began in 2005/2006 was prompt reforestation of the 2003 and 2004 wildfires in the Southern Interior Forest Region. Through the hard work and commitment of staff, recipients and FFT partners, the majority of the reforestation work in the fire-affected areas was completed in the 2007/2008 fiscal year. The program is now shifting its focus toward the more heavily impacted mountain pine beetle affected areas. Planting of these areas will begin in the late spring of 2008 in Quesnel, Williams Lake and Prince George timber supply areas. As we move forward, the Forests for Tomorrow program has built a solid foundation from which it can continue to contriute to achieving resilient and productive forests for future generations. I am happy to note that the program is on track to deliver on the Premier's commitment of 60 M seedlings over the next 4 years.

Sincerely,

Jim Snetsinger
Chief Forester

1. Program Overview

Forests for Tomorrow (FFT) was established in February 2005 to address the provincial government's concern with the growing area of understocked Crown forest land due to the wildfire and mountain pine beetle (MPB) impacts. The program was designed to improve the future timber supply, initially focusing on areas affected by recent wildfires and the mountain pine beetle epidemic.

Through the completion of the business case, a long-term funding level of $54 M per year supporting an annual reforestation program of 17.5 M seedlings (17,500 ha) has been established. This will ultimately achieve and end state of 400,000 ha planted over 20 years. In 2008/2009, the Forests for Tomorrow (FFT) program will continue to invest in the priority projects identified in 2007/2008.

The FFT program directly supports British Columbia's Mountain Pine Beetle Action Plan. FFT also supports the spirit of the New Relationship with First Nations and Aboriginal People, by providing an opportunity for First Nations businesses and employees to build capacity.

Ultimately, the program aims to strengthen the resilience of British Columbia's forests to climate change and natural disturbances. Forests for Tomorrow activities will also reduce risks to biodiversity, water, fish, wildlife, and habitat. The initial focus of the program was on the fire-affected areas of the Southern Interior Forest Region (SIFR); however, the program is now shifting its investment focus toward MPB-affected areas.

2. Highlights

The implementation plan for the FFT program initially focused on reforesting areas primarily in the SIFR affected by 2003/2004 wildfires. In 2007/2008 the majority of this work was completed and the planning shifted towards MPB impacted stands in management units significantly affected by MPB.

FFT fully achieved the majority of its planned goals in 2007/2008 and exceeded target survey and sowing goals in response to Government commitments to increase the number of seedlings planted. FFT is realizing substantial benefits through access to expertise and the incentives to build the program, by utilizing competitively tendered recipient agreements and the third-party delivery model.

In 2007/2008 FFT completed a business case, to provide a rationale for the ongoing investment in the program. The business case included an analysis of the program scope and outlines the resources required to ensure the successful reforestation of stands affected by MPB and wildfire. In 2008/2009 FFT will complete a five year Strategic Plan that will set the mission and strategic priorities for the program in the coming years.

Additional highlights from 2007/2008 included the development of a Multiple Accounts Decision Analysis Framework (MADA) that was piloted in the Merritt and Kamloops TSAs. The MADA is designed to provide FFT decision makers with a transparent and objective tool for directing silviculture funding to those sites in a landscape that best enhance multiple economic, environmental and social values.

The FFT communications team completed an annual communication evaluation of staff involved in the program plus partner and stakeholders, and is using the feedback to improve the communication strategy. FFT also completed an Effectiveness Evaluation and Research Strategy that outlines the strategic direction and priorities for FFT investment into research, evaluation, and adaptive management projects.

Of the $12.2 M available in recipient investment schedules, participation by First Nations contractors in 2007/2008 totaled $1.3 million through 35 projects. Some First Nations also participated in FFT at the recipient agreement level and managed $3.1 M in 2007/2008. Significant efforts continue to build on these existing successes and further increase First Nations participation.

3. Report on Performance

FFT supports the Ministry of Forests and Range Key Outcome Indicator: the ratio of area reforested to the area either harvested or impacted by fire and pests. FFT has developed three internal management measures. These measures include tracking the percentage of Forests for Tomorrow project areas that are: (1) affected by fire or pests and assessed; (2) treated compared to areas planned for treatment; as well as (3) the number of hectares declared free-growing in areas eligible for program funding.

Program Management Performance Measures for Forests for Tomorrow are established to track progress on the work plan and other key strategic planning initiatives. This fiscal the goals established in the 2007 Program Management Plan have been updated to reflect emerging trends and the targeted completion of the FFT 5 year Strategic Plan in 2008/2009. Five goals were drafted and outlined under sections 3.1 to 3.5., and objectives set out to achieve them. For this fiscal FFT is reporting out on both accomplishments and performance targets. In areas where a target had been set (i.e. sowing numbers, hectares surveyed etc) the Indicator will be measured. In other areas the accomplishments will form a baseline to develop more comprehensive performance measures as the program completes its Strategic Plan. In addition the First Nations section has been expanded to include some early performance indicators.

For 2007/2008, twelve objectives were identified to support the program goals outlined in Sections 3.1 to 3.5 of this report. A further two objectives developed to support the First Nations goal are detailed in Section 4 of this report. A detailed discussion of the projects and dollars managed under the program are set out in Section 5 and 6 of this report.

This annual report for the Forests for Tomorrow program provides progress on achieving planned goals, objectives, and the Key Performance Indicator (KPI) for the year from April 1, 2007 to March 31, 2008. Subsequent annual reports will be updated to incorporate the finalized Strategic Plan themes and broaden the performance indicators.

3.1 Improve the future timber and habitat supply impacted by MPB, and wildfire, through the strategic selection of treatment areas.

3.1.1 Revise and annually review/update Silviculture Strategies in twenty-two MPB impacted management units.

Performance Indicator: Number of Management Units with Type II Silviculture Strategies initiated or completed in the fiscal.

- Target: 5
- Achieved: 4

Results/Comment: Type Two Strategies for Nadina District (Morice and Lakes TSA's), Williams Lake TSA, 100 Mile House TSA, were initiated and will be finalized in 2008/2009. Okangan TSA will be intiated in 2008/2009.

3.1.2 Update information that supports accurate Timber and Habitat supply forecasting and silviculture planning in twenty-two MPB impacted management units.

Performance Indicators:

i. Number of Management Units with MPB Impact Mapping Complete
   - Target by 2008/2009: 22
   - Achieved in 2007/2008: 8

ii. Hectares surveyed under FFT (NIFR / SIFR Breakdown in Appendix F – Overall Summary of the FFT program in 2007/2008)
   - Ha assessed Impeded/Backlog Target: 0 ha
   - Achieved: 65220 ha Office Reviewed and 10,439 ha field surveyed
   - Wildfire/MPB Ha surveyed Target: 75000 ha
   - Achieved: 79972 ha

iii. Initiate joint workshop for collaboration of on the ground information gathering for complex stands between FFT/FAIB
   - Achieved: new survey standard methodology

Results/Comment: During the year FFT/FAIB initiated a mapping process that amalgamated a number of different sources of MPB impact mapping into one set of data. Areas that have been surveyed are submitted to RESULTS and updated in the Inventory files yearly. As a result of the recommendation from the joint workshops between FFT/FAIB, survey standards have been updated to reflect inventory requirements regarding secondary structure that is present in dead MPB stands.

3.1.3 Develop a long term funding plan that refines the estimates of the treatable landbase in all 22 impacted Management Units

Performance Indicator: Complete Version 1 of the FFT Business Case

- Achieved

Results/Comment: Business Case was approved by MFR Executive. Public document will be released in 2008/2009.

3.1.4 Tender and award Recipient Agreements in the remaining MPB impacted of Management Units

Performance Indicator:

- Target: 7
- Achieved: 8

Results/Comment: Recipient Agreements were awarded in Williams Lake, Quesnel, 100 Mile House, Golden, and Revelstoke timber supply areas, Prince George, Fort

St. James and Vanderhoof Districts, as well as re-tender in Okanagan, Merritt and Lillooet. The Okanagan Nation Alliance was the first First Nation to be awarded a Recipient Agreement in Okanagan, Revelstoke and Golden TSA's. To date a total of 19 Management Units have RA. In 2008/2009 the remaining TSA's, Dawson Creek and Mackenzie, will be tendered.

3.2 Promote the restoration of healthy resilient forest ecosystems through the strategic selection of treatment areas.

3.2.1 Reforest on a priority basis the best sites to timber production quickly. Ensure that young stands established under FFT achieve FG status.

Performance Indicators:

i. Ha planted
   - Target: 7552 ha
   - Achieved: 6611 ha (RESULTS)

ii Ha brushed
   - Target: 156 ha
   - Achieved: 608 ha (RESULTS)

iii Ha site preparation
   - Target: MSP 507ha; WDTA 3467 ha
   - Achieved: 2616 ha (RESULTS)

Results/Comment: Planting was conducted in Prince George, Kamloops, Invermere, Merritt, and Kootenay Lake TSAs. Target numbers for planting are based on the sowing requests and final planting ha are lower due to increased trees per ha planted on sites. Brushing was conducted in Kamloops and Kootenay Lake TSAs. Site Preparation was conducted in the Quesnel, Kamloops, Invermere, Okanagan, Merritt and Kootenay Lake TSAs.

3.2.2 Ensure that species diversity is being achieved as outlined in the FFT Species deployment policy.

Performance Indicators:

i. Percent of area planted with more than one tree species
   - 2007/2008 – 82.2%

ii. Area-weighted mean dominant species percent in silviculture labels
   - 2007/2008 – 76.2%

iii. Percent of planted seedlings that are lodgepole pine (PI)
   - 2007/2008 – 49%

iv. Percent of post-treatment stand composition that is lodgepole pine
   - 2007/2008 – 41%

Results/Comment: These indicators were developed in the FFT Policy #1 Management of Tree Species Composition. For 2007/2008 the numbers are reported out as baselines. New targets will be set based on upcoming Chief Forester's guidance on species selection and subsequent direction from the Future Forest Ecosystems Initiative.

3.2.3 Ensure that there is sufficient seed available to reforest areas.

Performance Indicators:

i. # of FFT owned seed
   - NIFR 60,541,000 potential seedlings
   - SIFR 15, 828,100 potential seedlings

ii. # sown (Sps/MU/Genetic worth in Appendix A)

- Target: 10M
- Achieved: 14,729,300

Results/Comment: Reporting out on the total FFT owned seed includes tracking all additions thorough wild cone collections and purchase from seed orchards, MFR Operations Division existing seed supplies (MOF 01 and 20), BCTS and private owners; and deletions through sowing requests or sales. In 2007/2008 in the NIFR (MOF 28) 18,552,900 potential seedlings (Fdi and Pli) seed were collected; and in the SIFR (MOF 27) 7,808,200 potential seedlings (Fdi and Pli) were collected.

In 2008/2009 collaborative longer term seed planning projects are occurring in both regions and with Tree Improvement Branch that may include utilizing spatial tools to identify seed supply gaps in the MPB impacted Management Units. Once these gaps are identified FFT will determine the appropriate performance measures for future reporting out. Additional seed will be added to the FFT pool from purchases (ie 7 million worth of A class potential trees in NIFR/SIFR), and cone collections where an identified need is determined.

3.2.4 Ensure that FFT is allocating funds to the highest priority sites that will, collectively, meet land use and forest management objectives, particularly in areas that provide for a variety of forest values.

Performance Indicators:

i. Implement Multiple Accounts Decision Analysis (MADA) Framework
   - Target: develop and test on 2 Management Units
   - Achieved

ii. Hold workshops on the MADA delivered to staff, stakeholders and First Nations
   - Target: 2
   - Achieved: one each in NIFR and SIFR

Results/Comment: In 2008/2009 MADA will be implemented by recipients, in all 22 Management Unites where operations are occurring. A subsequent evaluation of MADA Session will be developed and key measures tracked and reported out (i.e. Ha planted for habitat; community watersheds) in upcoming Annual Reports.

3.3 Support and promote knowledge acquisition and integration throughout the FFT Program.

3.3.1 Build a sound scientific foundation that guides effective decision making regarding the restoration/rehabilitation of MPB/Wildfire impacted stands.

Performance Indicators:

i. Complete/ Update the FFT Effectiveness Evaluation/ Research Strategy
   - Achieved

ii. Number Effectiveness Evaluations or Research Projects completed as identified in the Strategy and annual work plan
   - Target: 3 projects
   - Achieved: 4 projects

iii. Implement a science based Adaptive Management (AM) program, initially focusing on species deployment and under planting risks
   - Initiated; ongoing

Results/Comment: In 2007/2008 the FFT EE/ Research Strategy document was completed through a defined and inclusive process that set out to identify key knowledge gaps and select priority projects. Further Performance measure will be guided by this document as well as the output extension notes. In 2007/2008, a

number of key projects were funded;

- UNBC – Chris Hawkins release of secondary structure in MPB killed young stands
- Dave Coates Bulkley Valley Research Center projection and modeling for timber supply
- UBC, Bear Creek Study of fertilization of Mature Pli
- Tom Sullivan for the ongoing study of hare and vole impacts on under planted seedlings.
- Forsite Consulting completed an Analysis of Treatment Eligibility
- Skinner Madden Fire.

In 2008/2009 further progress on the FFT AM initiative will include a synthesis of the results and current state of knowledge, and the implementation of adaptive management trials to address key uncertainties identified through an inclusive process with FFT staff, recipients and others. In addition, new performance measure will track the numbers of trials and the knowledge synthesis through the development of target number of Extension Notes.

3.4 Develop and maintain linkages with the broader community and increase the level of engagement.

3.4.1 Ensure that representatives of local communities are informed of the direction of the FFT program and given the opportunity to provide feedback.

Performance Indicator: Number of tools developed to facilitate the exchange of information between FFT and its external partners.

- Achieved: 2 tools - Public Information Sharing Guidelines and a Communications Strategy

Results/Comment: Tools introduced in 2007/2008 include Extension Notes, Brochures, and Presentations.

3.5 Ensure that the principles of People Practices guide FFT implementation at all levels of delivery.

3.5.1 Maintain an organizational structure that promotes safety as a fundamental component of everyday business with all partners in FFT delivery.

Performance Indicator: Hold workshops with WCB, recipients and FFT staff to discuss the danger tree assessment program in wildfire and MPB impacted stands

- Target: 2
- Achieved: one in Kamloops TSA and one in Quesnel TSA

Results/Comment: FFT is working toward requiring all recipients and contractors to be SAFE Company certified by 2009/2010.

3.5.2 Measure and track the efficiency and effectiveness of administration.

Performance Indicator: Activities audited PWC

- Target: 2% of 169 Projects is 4
- Achieved: 45
- Target: 2% of $11.7M is $234368
- Achieved: $6.3 M

Results/Comment: Due diligence in program effectiveness and efficiency is supported through monitoring, audit, and evaluation. The portion of the FFT program that was delivered through PwC includes performance and financial audits on selected projects delivered by FFT recipients. Performance audits are targeted at the works on the ground while financial audits focus on the recipient's accounting and administration of the FFT funds.

4.0 First Nations

The strategic direction for the FFT program is to "lend tangible expression to the New Relationship." The FFT program is committed to ensuring that First Nations people will be engaged to provide guidance and input into on Forests for Tomorrow strategic and operational plans.

The intent of the Ministry of Forests and Range was to provide up to $4 million worth of Forest for Tomorrow contracts in 2007/2008 that could be directly awarded to qualified First Nations companies. As a means of enabling the achievement of this target, recipients are directed to award 25% of their investment schedule where qualified First Nation's contractors are available for the work and costs can be negotiated comparable to competitively awarded work. Also MFR has committed to giving additional points to bidders on tendered recipient agreements based on commitments to develop partnerships with First Nations.

The performance indicators below are an initial step in reporting out for fiscal 2007/2008. In partnership with First Nations, FFT will refine and further develop performance measures in 2008/2009 for subsequent strategic plans and annual reports.

4.1 First Nations opportunities for participation in the forest and range sectors are increased.

4.1.1 FN participation in the delivery of the FFT Program (FFT Operational Budget)

Performance Indicators:

i. Direct participation of First Nations contractors
   - $1.3M (35 PROJECTS)

ii. Participation by First Nations as Recipients
   - Target: $4M
   - Achieved: $3,103,747

Results/Comment: This work completed by First Nations in 2007/2008 included survey work, site preparation work, reforestation and productivity enhancement work. During 2007/2008 significant effort went into establishing contacts, improving the understanding around First Nations' interests and informing First Nations about FFT. To date, the Ktunaxa Kinbasket Development Corporation, Okanagan Nation Alliance, Alkali Community Forest (Esketemc) are participating as recipient agreement holders/ partners.

For fiscal 2008/2009, the intent is to provide up to $8 million toward First Nations delivery, subject to the ability of these companies to deliver the program requirements.

4.1.2 Increase FN involvement in FFT Program

Performance Indicator:

i. Develop Strategic plan for FN engagement with FN's and regional planning teams and initiate a FN engagement working group
   - Not completed in 2007/2008. Will be completed in 2008/2009.

Results/Comment: Some direct initiatives in 2007/2008 included increasing the levels of First Nations participation in Silviculture Strategies for affected management units and the hiring of the Okanagan Nation Alliance on contract to provide First Nations Perspective into FFT Multiple Accounts Decision Tool.

Looking forward in 2008/2009, FFT will have a contract with the Shushwap Nation Tribal Council. This contract will to assist FFT to conduct information sharing and consultation with bands. It will also investigate other relevant sources of First Nations funding sources that are available to help increase capacity.

5.0 Program Analysis

The 2007/2008 Forests for Tomorrow work plan was developed in consultation with Regional FFT, Recipient Agreement Holders, and PwC staff. The initial FFT budget was $21.074M, and after reductions for staff salaries, the 2007/2008 FFT operational budget was $19.022M. Federal MPB formed part of the funding this fiscal at approximately $3.87M delivered primarily through PwC (82%) with a small proportion through MFR. Additional base funds were utilized for FRPA s.108 and seedling purchases, bringing the total operational expenditures to $20.565M. For 2007/2008 PricewaterhouseCoopers delivered 59% of the overall program allocation through a third party administration delivery agreement with the Ministry, while the remaining budget was directly administered by the Forest Practices Branch and the Northern and Southern Interior Forest Regions. A summary of the dollar value of PwC administered projects approved by the end of the fiscal year, by delivery agent, is found in Appendix D Summary of FFT-Approved Projects Administered by a Third Party in 2007/2008.

Table 1: Summary Table of Funding for FFT, 2007/2008

	Actual ($)
Ministry of Forests & Range	8,441,426
Third party administration (PwC)	12,123,337
Total	20,564,763

5.1 Ministry of Forests and Range Delivery

The Forest Practices Branch administered $5.703M (including FRPAs. 108 payments) with the NIFR Regional staff $1.349M, and the SIFR $1.140M. Forest Analysis and Inventory branch was allocated $200,000 and $50,000 to Tree Improvement Branch. A detailed summary of the MFR expenditures is presented in Appendix C– Detailed Summary of FFT Funds Administered by the Ministry of Forest and Range in 2007/2008. In addition, the FRPA s.108 areas funded by licensee are located in Appendix B- Section 108 Areas Funded in 2007/2008, by licensee.

In 2007/2008 FFT achieved the majority of its planned projects goals by ramping up the survey and sowing target goals. The FFT program is realizing substantial

benefits from the expertise of its recipients. Moving a ministry program to third party implementation has meant that clear processes needed to be developed. This has brought about a clear goals, quality work and accountability.

5.2 Third Party Administration

A total of 169 projects were approved by PwC under the FFT program (not including four FRPA s108 payments) Over 50% of the allocations were spent on planting projects, with the remainder being spent on site preparation, danger tree assessments, and surveys. A detailed summary of the FFT approved projects by activity area is located in Appendix F.

As of March 31, 2008, $11.7 million (not including FRPA s108) of the Forests for Tomorrow (FFT) program funds had been expended by the third party administrator.

5.3 Performance and Financial Audits

Planning was finalized for the 2007/2008 performance audits in the fourth quarter. PwC contacted recipients who were to be audited under the FFT program prior to the end of the fourth quarter, and had anticipated that the audit work will be finalized by August 2008. Reporting on audit findings will be provided to the FPB upon completion of these audits.

A total of 45 projects with a total value of $6.3M were audited throughout the 2007/2008 fiscal year in the form of an interim performance audit or upon project completion, as a final performance and financial audit. The interim audit focused on field activities and was conducted to ensure FFT field activities were being performed to acceptable standards and to provide guidance to any projects that missed performance standards requirements. The performance audit at the end of the fiscal year focused on administrative systems and field work while the financial audit consisted of reviewing expenditures.

6.0 Looking Forward

Previous years have focused on planning, surveying, brushing impeded areas, preparing prescriptions, and making sowing requests for the rehabilitation (through reforestation) of areas affected by wildfire and MPB. The FFT program is at a significant transition point with respect to ramping up to the long term budget level, and the shifting from under planting to larger scale site rehabilitation projects in MPB affected stands. The FFT program is also working to ensure that it meets the Premiers commitment of planting 60 million trees in the next four years. A breakdown of the projected long-term annual funding profile is provided in Table 2 on page 10.

Table 2: Summary Table of FFT Accomplishments to date and 5 year reforestation targets

	Activity	Accomplished				Forecast		
		2004/ 05	2005/ 06	2006/ 07	2007/ 08	2008/ 09	2009/ 10	2010/ 11
MFR	Planting (000 ha)		0.35	3.5	6.5	7.0	12.0	17.0
	Seedlings (M)		0.35	3.5	7	7	12	17
	Surveys (000 ha)		76.6	32.8	60.1	110.0	130.0	105.0
	Funding (M)	$26.0	$14.1	$32.9	$44.0	$50.0	$54.0	$54.0
FRPA s 108	Seedlings (M)	6.0	1.6	2.0	1.1	1.0	1.0 M	1.0 M
	Total Funding (M)	$9.7	FRPA s. 108 funds for 2005/06 onwards are incorporated into the funding total in the table above.					

Appendix A – Sowing Requests in 2007/2008, by Management Unit Class and Species

Region	District	Species	Class A	Class B	Total
RNI	DND	Bl	0	30000	30000
		Fdi	0	80000	80000
		Lw	21000	0	21000
		Sx	1,275,000	0	1,275,000
			1,296,000	110,000	1,406,000
	DPG	Fdi	0	240,000	240,000
		Pli	220,000	0	220,000
		Sx	840,000	0	840,000
			1,060,000	240,000	1,300,000
	DVA	At	0	177,500	177,500
		Fdi	0	95000	95000
		Pli	310,600	220,000	530,600
		Sx	1,357,600	0	1,357,600
			1,668,200	492,500	2,160,700
Total RNI			**4,024,200**	**842,500**	**4,866,700**
Region	**District**	**Species**	**Class A**	**Class B**	**Total**
RSI	DAB	Fdi	0	60,400	60,400
		Lw	251,600	57,200	308,800
		Pli	51,000	25,400	76,400
		Py	0	66,200	66,200
		Sx	51,000	0	51,000
			353,600	209,200	562,800
	DCC	Fdi	0	157,700	157,700
		Pli	0	162,800	162,800

		Sx	499,600	0	499,600
			499,600	320,500	820,100
	DCS	Fdi	0	147,800	147,800
		Pli	0	336,200	336,200
		Sx	174,300	0	174,300
			174,300	484,000	658,300
	DKA	Cw	0	4,700	4,700
		Fdi	0	522,500	522,500
		Lw	0	1,700	1,700
		Pli	13,100	1,405,200	1,418,300
		Py	0	43,700	42,700
		Sx	891,800	111,200	1,003,000
			904,900	2,089,000	2,993,900
	DKL	Pli	0	67,400	67,400
		Sx	552,600	385,400	938,000
			552,600	385,400	938,000
	DOS	Fdi	0	414,000	414,000
		Lw	24,500	0	24,500
		Pli	100,800	444,500	545,300
		Py	0	120,000	120,000
		Sx	9,000	219,100	228,100
			134,300	1,197,600	1,331,900
	DQU	Fdi	0	45,200	45,200
		Sx	973,300	0	973,300
			973,300	45,200	1,018,500
	DRM	Fdi	0	7,300	7,300
		Lw	16,200	0	16,200
		Pli	0	437,700	437,700
		Sx	38,400	1,039,500	1,077,900
			54,600	1,484,500	1,539,100
Total RSI			**3,647,200**	**6,215,400**	**9,862,600**
Grand Total			**7,671,400**	**7,057,900**	**14,729,300**

Appendix B – Section 108 Areas Funded in 2007/2008, by Licensee

Licensee	Actual ($)
Tolko Industries Ltd.	287,515
Brave Holdings Ltd.	2,537
Pope & Talbot Ltd.	1,044,621
Canadian Forest Products Ltd.	315,774
Gilbert Smith Forest Products Ltd.	18,809

West Fraser Mills Ltd.	779,621
AbitibiBowater	424,702
Lucky Six Farm and Forest Ltd.	3,837
Tembec Industries Ltd.	17,360
Total	**$2,894,776**

Appendix C – Detailed Summary of FFT Funds Administered by the Ministry of Forest and Range in 2007/2008

	Actual ($)
Forest Practices Branch	
FFT Planning - Support Admin	251,811
Sowing Request	1,198,966
Seedlings on Line	1,166,137
FRPA s. 108	2,489,888
FFT Evaluation	32,415
FFT PwC Payments	426,502
Danger Tree Assessment Safety	2,350
Small Mammal / Seedlings Research	64,800
UNBC Genetic MPB seed	60,000
Species selection project	10,000
	$5,702,869
Southern Interior Forest Region	
FFT Planning - Support Admin	609,680
WF/Mountain Pine Beetle Surveys	19,587
Cone Crop / Seed Collection	11,752
Silviculture Strategies	118,444
Implementation DKA/DCS	26,392
Infrastructure Support - Roads and Access	95,917
Evaluation and Monitoring	48,791
RESULTS QA	59,995
UBC Transfer Bear Creek Study (Fert Pli)	130,000
UBC Study	18,000
Thompson Rivers University - MPB Report	1,500
	$1,140,058
Northern Interior Forest Region	
FFT Planning - Support Admin	145,804
Brushing 119.5ha	36,594
DJA-NRFL Planting 330.4ha	360,019
Underplanting 368 ha of MPB Impacted Young Pli	131,507
Age class 2,3 recce and surveys DVA/DPG	258,356
PSP re-measurement in DVA	11,840
Cone collection	283,356
FltC Pilots in DPG/DVA	34,900
RESULTS QA	22,409
Plant Skydd Trial	2,088
Max Density Study	3,350

UNBC project for secondary structure study	51,000
BVRC - Project modelling mid term TS	6,953
	$1,348,499
Forest Analysis Branch	
Timber Supply Impacts for MPB - 20 TSA	60,000
Monitoring Harvest Performance - 16 TSA	20,000
Updating Beetle Spread Projections - BC	12,000
Analysis of harvest choices on mid term TS - 20 TSA	8,000
Complex Stands Workshop on Survey Standards	28,800
FFT MPB Impact Mapping - 8 MU delivered in May	13,800
Complete Lakes VRI Phase 2 and NVAF plots	57,400
	$200,000
Tree Improvement Branch	
Plli seed utilization study	20,000
Pli seed - assess quantity and quality in MPB stands	30,000
	$50,000
Total	**$8,441,426**

Appendix D – Summary of FFT-Approved Projects Administered by a Third Party in 2007/2008

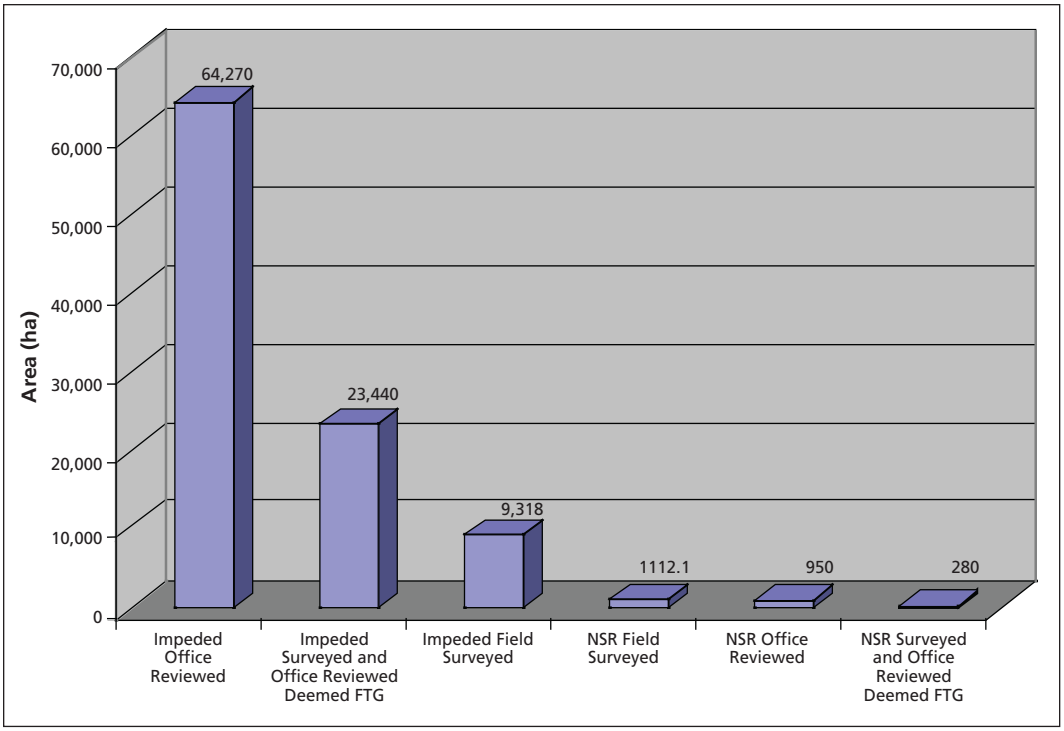
PWC updated numbers, all projects added.

Activity	No.	Actual ($)
Infrastructure – Roads		
Environmental Road Maintenance	9	174,687.63
Stand Establishment and Treatment - Backlog		
Brushing	1	37,809
Planting	2	301,377
Site Preparation	2	84,543
Surveys	9	548,391
Stand Establishment and Treatment – Current Fire and Pest Reforestation		
Brushing	1	28,257
Planting	5	242,862
Site Preparation	0	0
Surveys	4	120,888
Stand Establishment and Treatment - MPB and Other Pests		
Brushing	5	281,468
Danger Tree Assessment	2	80,318
Planting	13	850,256
Site Preparation	2	268,068
Surveys	28	2,149,738
Stand Establishment and Treatment - Wild Fire Areas		
Brushing	1	23,443
Danger Tree Assessment	9	582,453
Planting	30	4,526,531
Site Preparation	1	146,824
Surveys	17	665,216
Strategic Resource Planning - Work Plan Development		
Work Plan Preparation	21	466,360

Training - Training and Meetings		
First Nations Capacity Building	2	16,575
Training Needs Assessment, training strategy development, course development, delivery, group or individual attendance	2	27,987
Strategic Resource Planning - Developing Management Unit or Watershed Level Strategies		
Silviculture Strategies	2	68,904
Stand Establishment and Treatment - Forest Health (e.g. beetles, looper, invasive plants)		
Forest Health Approved Treatments - Ground Surveys	1	23,495
Section 108 Payments	4	404,888
Total approved	**173**	**$12,123,337**

Appendix E – Impeded and Non-Satisfactorily Restocked Areas Survey Projects in 2007/2008.

FFT 2007/08 Backlog Survey Projects



Appendix F – Overall Summary of the FFT Program in 2007/2008.

Region	Office Review of NSR and Impeded	Field Survey of Wildfire/ MPB Attacked Stands	Site Preparation (ha)	Area Brushed	Area Planted	Seedlings Ordered
NIFR		22,528	539	119	326	4,866,700
SIFR	65,220	57,444	2,077	489	6285	9,862,600
Total	**65,220**	**79,972**	**2,616**	**608**	**6,611**	**14,729,300**

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