



canada/yukon economic
development agreement

**CANADA-YUKON COOPERATION AGREEMENT
FORESTRY DEVELOPMENT
(1991-1996)**

1993/1994 ANNUAL REPORT

**Submitted by the Canada-Yukon Cooperation Agreement:
Forestry Development Management Committee**

A Canada–Yukon Economic Development Agreement Initiative

Canada

Yukon
Government

**CANADA - YUKON COOPERATION AGREEMENT:
FORESTRY DEVELOPMENT**

(CAFD)
(1991-1996)

**1993/94
ANNUAL REPORT**

submitted to:

The Honourable Anne McLellan
Minister of Natural Resources

The Honourable John Ostashek
Government leader
Minister of Economic Development

The Honourable Ron Irwin
Minister of Indian
and Northern Affairs

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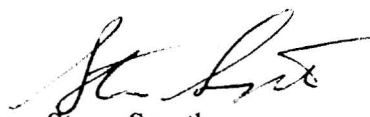
The 1993/94 Canada-Yukon Annual Report is presented
in accordance with the terms of the Agreement.

Approved by:



Elaine Teske
Federal Co-chair
CAFD Management Committee

Approved by:



Steve Smyth
YTG Co-chair
CAFD Management Committee

Date: *Oct 18, 1994*

Date: *October 14, 1994*

A Canada-Yukon Economic Development Initiative

HIGHLIGHTS

CAFD 1993/94 ANNUAL REPORT

CAFD Purpose and Objectives

- Support expansion and diversification in areas of forestry.
- Assist Northern residents to benefit from the forest resources.
- Promote the sustainable development of the forest resources.
- Recognize social, economic and environmental values.
- Protect ecological diversity.
- Create employment, increase economic diversity and stability.
- Improve awareness of sound forest management objectives.

Program Achievements & Highlights

Forest Planning	0 projects:	\$0.00
Research and Technological Transfer	2 projects:	\$50,199.21
Operational Silviculture	11 projects:	\$570,828.04
Public Awareness and Communications	3 projects:	\$17,737.15
Human Resource Development	4 projects:	\$40,216.47
Administration	_____	<u>\$89,969.54</u>
Total	20 projects	\$768,950.41

1993-94 Expenditures

Canadian Forest Service	\$577,674.86	70%
Yukon Government	\$193,665.50	30%

1994-95 Budget

Canadian Forest Service	\$461,400	70%
Yukon Government	\$197,700	30%

EXECUTIVE SUMMARY

The Canada-Yukon Cooperation Agreement: Forestry Development (CAFD) is a five year (1991-1996), \$2.714 million agreement shared jointly between Canada and the Yukon. Expenditures in 1993/94 were \$768,950 (Table 2) creating an estimated 1,703 days of employment (Table 3). The Canadian Forest Service contributed 70% and the Yukon contributed 30%.

The objective of the Agreement is to promote the sustainable development of the forest resources of the Yukon. The six elements will contribute to a continuous supply of forest resources, both consumable and non-consumable, protect the ecological diversity of the forest environment and create employment. They will also increase economic diversity and stability, and improve the awareness of sound forest management amongst Yukon people including First Nations.

CAFD is managed by a Management Committee consisting of representatives from the Yukon, (the Department of Renewable Resources and the Department of Economic Development); the federal government, (the Pacific and Yukon Region of the Canadian Forest Service (CFS), and the Northern Affairs Program (NAP) of the Department of Indian and Northern Affairs); and the Council of Yukon Indians. A CAFD Secretariat and a Technical Review Committee have been appointed to assist the Management Committee. In addition, the Economic Development Agreement (EDA) Secretariat is providing administration assistance. The activities of the Management Committee have been consistent with the directions and the intent of the Canada-Yukon Economic Development Agreement Implementation Committee.

The Management Committee has been proactive in initiating projects for open tenders which provided employment, fostered local entrepreneurship and increased local awareness of sound management of the forest resources. A variety of training experiences were built into project design addressing the need to develop local forestry expertise and operational experiences. In comparison to the resource opportunities, the private forestry sector in the Yukon is small. There are no current obligations or incentives other than CAFD to foster local silviculture enterprises. (KFR does have an obligation to plant in the T.H.A.) A general absence of private sector applicants has restricted project development, particularly in Element 1, Forest Planning and Element 2, Research and Technological Transfer. The long term beneficiaries of projects completed under CAFD will be Yukoners; the managers of the resource base.

Total expenditures to date have been \$1,183,479 from an amended five year budget of \$2.410 million. Although CAFD did slip \$88,500 in 1993/94, it is apparent that interest in the opportunities provided by the agreement is rapidly accelerating. In the future years of CAFD, efforts will be made to stimulate private entrepreneurs and their participation in projects.

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SUMMARY BY ELEMENT

1. Forest Planning:

Although there was considerable discussion about suitable planning projects, consensus was not reached for CAFD planning projects which were compatible with the devolution discussions. Suitable applicants from the private sector did not submit any proposals.

2. Research and Technological Transfer:

CAFD and Renewable Resources EDA are supporting phase II of the Ecological Classification and Interpretation project. In addition, a Yukon Regeneration Survey Manual is being developed to standardize procedures and create local expertise.

CAFD research objectives were restrained by: a) not having a pool of private entrepreneurs who could apply for research projects, b) mixed perception by Economic Development of "A based" projects, and c) a restriction on sole sourced contracts and contributions.

3. Operational Silviculture:

CAFD was fully successful in reforesting 174 hectares with 200,070 spruce seedlings, preparing an additional 300 hectares for 1994/95 planting, and surveying in excess of 2,000 hectares of NSR lands. The emphasis in Operational Silviculture was to provide training opportunities within contract situations. In excess of 575 person days of employment were generated. An innovative forest tending project with the Kwanlin Dun First Nations combined training with social forestry using silviculture to fulfil a variety of objectives.

4. Public Awareness and Communications:

Work was started on the implementation of the CAFD Communications Strategy. The Forestry Speaking Kit has already proven to be very useful. The Forestry Technical Review Committee continues to offer valuable input and linkages with other agencies, industry, CYI and the Yukon College.

5. Human Resource Development:

Human Resource Development is vital to assimilate forestry knowledge and to raise the awareness of sound forest management. While most projects contain a training component, this element hosted courses in natural resource management, forestry regeneration techniques, stand tending and scaling. The certificates received for successful training completion are being recognized by forest managers.

Table 1

CAFD BUDGET BY ELEMENT				
Element	Original 5 Year Budget		Amended 5 Year Budget	
	(\$000)	%	(\$000)	%
1. Forest Planning	200	7	70.0	2.9
2. Research & Technology Transfer	530	20	296.2	12.3
3. Operational Silviculture	1,354	50	1,508.7	62.6
4. Public Awareness & Communications	200	7	152.7	6.3
5. Human Resource Development	150	6	107.2	4.5
6. Administration	<u>280</u>	<u>10</u>	<u>276.0</u>	<u>11.4</u>
	2,714	100	2,410.8	100.0
CFS		70%		
Yukon		30%		

Table 2

CAFD 1993/94 EXPENDITURES BY ELEMENT			
Element	Budget	Expenditures	
		1993/94	1993/94
	(\$'000)	(\$'000)	%
1. Forest Planning	50.0	0.0	0.0
2. Research & Technology Transfer	160.0	50.2	6.5
3. Operational Silviculture	551.3	570.8	74.3
4. Public Awareness & Communications	45.0	17.7	2.3
5. Human Resource Development	45.0	40.2	5.2
6. Administration	<u>80.0</u>	<u>90.0</u>	<u>11.7</u>
	931.3	768.9	100.0

CAFD GUIDING PRINCIPLES

- Establish a proactive agenda to encourage themes which will fulfil the Agreement objectives in a planned, systematic manner;
- All work will be done under contract by non-government contractors, consultants or agencies;
- Develop and encourage local expertise, local business and local employment through "hands-on" operations;
- Emphasize applied research and field applications;
- Develop silvicultural expertise within communities;
- Promote projects which consider sound biological, ecological and environmental principles in management using the best, cost-effective technology;
- Apply environmental reviews;
- Apply integrated resources prescriptions; and
- Produce products within the terms of the Agreement which demonstrate utility and significance.

CAFD PROJECT CRITERIA

Projects under CAFD will meet one or more of the following criteria (Schedule A):

- transfer knowledge to develop local expertise;
- expand knowledge of resource based capabilities;
- contribute to sustainable development of the forestry sector;
- contribute to sound forest resources management;
- contribute to diversification and/or expansion of resource based economic activity;
- contribute to development of environmental-based industry;
- contribute to elimination of constraints inhibiting development of renewable resources;
- and
- contribute to human resource development and public awareness towards sustainable development and sector diversification.

**CANADA-YUKON COOPERATION AGREEMENT:
FORESTRY DEVELOPMENT**

1993/94 PRODUCTS AND ACHIEVEMENTS

Element 1 FOREST PLANNING

No projects were let during 1993/94.

The objective of this element is to assimilate available information from within the Yukon and from other jurisdictions establishing a clear and realistic overview of the forest resources and integrated resource management.

Detailed discussion concerning the devolution of forest resource responsibilities from the federal government to the Yukon continued during 1993/94. Although work was started on the terms of reference for forest planning projects, consensus was not reached for CAFD projects which would be compatible with the devolution discussions.

Element 2 RESEARCH AND TECHNOLOGICAL TRANSFER

Ecological Classification and Interpretation, Phase II

4132-038 1993/94 \$41,228.07 Incremental employment: 116 days

Phase II of the Ecological Classification and Interpretation was initiated consistent with the framework developed in Phase I, 1992/93. An ecosystem classification system for the Beaver River, Liard River and Logan mountain ecoregions of the southeast Yukon and their descriptions is fundamental to the management of many resources within these forested areas. It is anticipated that Phase II will be completed over two and one half years. This project is being done cooperatively with the Renewable Resources EDA Agreement.

Three comprehensive submissions were evaluated by a joint technical committee. The contract was awarded to Geomatics International Inc. This contractor will hire local field crews, retain local professionals and conduct training sessions for potential users.

A number of direct spin-off benefits are anticipated including: developing local expertise, formulating new techniques and providing fundamental knowledge for future planning and development. Specific tasks include: pre-field stratification; field data collection; classification of ecological types; field testing; and presentation of results. The contractor will collect representative vegetation and soil samples to provide materials for training and analysis. There will be extensive consultation with potential users.

Yukon Regeneration Survey Manual

4132-048 1993/94 \$8,971.14 Incremental employment: 15 days

There are an estimated 2,000 hectares of Not Satisfactorily Restocked (NSR) forest lands in the Yukon. Information on young forest stands in the Yukon is lacking. The purpose of the Yukon Regeneration Survey Manual is to standardize survey procedures, provide local expertise in survey techniques and create an awareness of the potential survey employment for Yukon entrepreneurs.

The 75 page booklet and field forms, which were published in pocket size, addresses establishment and performance surveys, field survey procedures, compilation, common species descriptions and pictorials and sample tally sheets.

This project was co-sponsored with the Department of Continuing Education, Yukon College.

Element 3 OPERATIONAL SILVICULTURE

Stocking Surveys of 1,200 Hectares in the Upper Liard

4133-012 1993/94 \$43,326.43 Incremental employment: 100 days

A significant percentage of the NSR forest lands is within the Upper Liard area. A stocking survey, including developing prescriptions and assessing all of the forest values associated with these lands, is the first step in fulfilling the CAFD objectives to treat NSR. There are no current tenure obligations for Kaska Forest Resources (KFR) or the Government of Yukon (YTG) to do this NSR survey work.

Adverse conditions forced the proponent, KFR, to delay the project into the 1993/94 fiscal year. KFR contracted Erich's Silviculture, a Watson Lake consulting company, to conduct the surveys. The project assessed the current stocking conditions and made prescriptions for approximately 1,200 hectares of NSR lands.

Silviculture Surveys

4133-031 1993/94 \$48,410.49 Incremental employment: 80 days

The Upper Liard and Coal River watersheds are among the most productive forested lands in the Yukon. At present, there are no private or government agencies with obligations to do silvicultural surveys or reforestation in these areas.

This project surveyed 62 blocks, some 950 hectares, of areas harvested as many as 20 years ago. Northern Affairs Program: Forest Resources publicly tendered and contracted Tall Timber Ltd. to do the surveys.

Spruce Cone Collection

4133-042 1993/94 \$5,000.00 Incremental employment: 40 days

Kaska Forest Resources (KFR) successfully applied to conduct cone collection training for eight Liard First Nations. Erich's Silviculture of Watson lake coordinated the cone collection and training. Falling was done by North Contracting of Watson Lake.

In addition to training local participants, KFR collected 37 bags, approximately 15 hectolitres, of white spruce seed, and contributed \$2,100 in administration and supervisory support.

Conifer cone crops do not occur every year. Optimum cone crops in spruce may occur as infrequently as every seven years. The 1993/94 crop was considered above average and efforts were made to take advantage of the biological opportunity. Although some 900,000 seedlings will be planted under CAFD, to date seed has been provided courtesy of the Northern Affairs Program. A second cone collection project, 4133-044, was not activated in time to take advantage of the crop.

Purchase 400,000 Seedlings

4133-026 1993/94 \$108,000 Incremental employment: 20 days

An open tender to grow 900,000 white spruce seedlings for the Yukon resulted in a contract with Pelton nurseries of Surrey, B.C. The total cost of the seedling contract will be \$242,000 spread over a four year period. One and two year seedling (1-0, 415B and 2-0, 415B stock) will be grown for both summer and spring planting. The first shipment of 200,070 seedlings was delivered in 1993.

Test Yukon Production of 150,000 Seedlings

4132-051 1993/94 \$19,211.21 Incremental employment: 80 days

There will be a demand to grow conifer seedlings for the Yukon in the future. This project tests the ability of established Yukon nurseries to grow up to 150,000 white spruce seedlings in conjunction with other horticulture products.

A report done in 1988 by Reid, Collins and Associates for Economic Development suggested that there was insufficient economics of scale to develop Yukon nurseries solely for the purpose of growing commercial forest seedlings. Since the report was published, a number of growers have expressed an interest in growing seedlings. To date, NAP has successfully grown seedlings locally, but there has not been the economics nor the demand to grow local seedlings on a commercial basis. This test will provide valuable information and experience. In addition, the project will raise the awareness of silviculture opportunities amongst nurseries, municipalities and the private sector and provide the forestry sector with a source of seedlings. Based upon the success of the project, markets in Alaska, northern Alberta, BC and NWT will be explored.

Four established nurseries submitted proposals. Three nurseries, Yukon Gardens, Riverdell Farm and Lubbock Valley Greenhouses, were successful in sowing white spruce seed. The participating nursery owners were required to attend the Seedling Growing Workshop, have suitable structures for raising seedlings and submit a work plan.

The Canadian Forest Service stratified and certified the seed. NAP will assist in preparing a "Crop Monitoring Chart". The seedlings produced will be used to rehabilitate NSR areas.

This project hosted a Seedling Growing Workshop which was well attended by Yukon horticulturalists. Experts from CFS, DIAND and the Alberta Land and Forest Service instructed local nursery operators, forest sector personnel and the general public in all aspects of seedling growth and "out" planting. A follow up workshop, the Seedling Handling Workshop, is planned for 1994/95.

Site Prepare 300 Hectares for 1994/95 Planting

4133-043 1993/94 \$181,110.47 Incremental employment: 304 days

Under natural conditions in the Yukon, forests are very slow to establish. The goals of site preparation are to create favourable microsites for the planted seedlings by increasing the temperature in the rooting zones and to reduce competing vegetation. Site preparation prescriptions have considered other forest uses and environmental issues. The site preparation project extended the knowledge obtained through the training workshop held in Watson Lake in 1992/93.

Three major contracts were let to treat 300 hectares with 3 different types of mechanical site preparation methods. Twenty-one sites in the Rancheria, Liard and Labiche River drainages will be planted with 400,000 container seedlings during 1994. NAP and the CAFD forester contributed extensive time and effort in developing, coordinating and monitoring the site preparation activities.

This project developed local expertise through "hands-on" experience. Watson Lake residents have been actively involved in this project. I&I Construction from Tomslake was awarded the Disc Trenching contract, Grant Stewart Construction of Watson Lake won the Shear-ripper contract and Future Stock Forestry from Alberta, the Motor Manual contract.

Outside of the Agreement, KFR approached I&I to disc trench areas within the Timber Harvesting Area for 1994 planting. KFR is using the knowledge gained from CAFD to further their silviculture.

Adverse weather conditions halted work on the disc trenching and motor manual scarification projects. The Management Committee agreed to move \$40,000 from 1993/94 to the 1994/95 fiscal year enabling the work to be completed.

A detailed report is available upon request.

Forestry Regeneration Techniques

4133-040 1993/94 \$2,779.08 Incremental employment: 8 days

Yukon College working with the Alberta Lands and Forest Service hosted a 42-hour course on forestry regeneration techniques in Watson Lake. Yukon forestry consultants, government employees, First Nations and industrial personnel took advantage of the course. Of the 12 participants, 5 passed both field and written exams and were awarded certification to conduct regeneration surveys in the Yukon and Alberta. Prior to this course, all silvicultural survey work has been done by contractors from outside of the Yukon.

As a direct result of the certification course, one of the successful participants received a major contract to do surveys.

Planting Tree Seedlings

4133-021 1993/94 \$66,839.36 Incremental employment: 200 days

This planting project represents the first integrated reforestation program undertaken in the Yukon. Contract reforestation of any kind is new to the Yukon.

Seven contractors from Alberta and B.C. replied to the open advertising. The selected contractor, Future Stock Forestry, obtained a Yukon business license and made an extensive effort to hire locally.

A total of 200,070 white spruce seedlings grown in styroblock "415B" containers were delivered. Of those, 199,395 were planted on 174 hectares. The areas planted were spread between 12 blocks in the Watson Lake District near the Upper Liard village. The plantations could yield 43,500 cubic meters of wood assisting in sustaining the Yukon forest resources.

NAP and CFS conducted check plots and prepared quality control maps. The project has produced a lot of valuable information about planting logistics, methods of site preparation, and the physical and psychological demands of planting.

A detailed report is available upon request.

Forest Tending and Improvement

4133-037 1993/94 \$50,160.00 Incremental employment: 350 days

The Kwanlin Dun First Nation trained and employed members to thin and improve 23 hectares around the McIntyre subdivision. This five month, forest training project fulfilled a variety of social objectives in addition to improving forest health and growth. Fire hazard, aesthetics, safety, removal of salvageable materials, improved access, improved awareness of good forest management, and research were incorporated into the project design. The Yukon College and the Canadian Forest Service delivered a stand tending workshop in preparation for the project.

Four participants have received subsequent employment. Community awareness was very high and the area will be used by local school groups and First Nations for various outings. The wide participation, proximity to populated areas and the multiple objectives of this project will serve as an excellent demonstration for future forest tending and improvement projects.

A detailed report is available upon request.

Yukon Forestry Office

4133-071 1993/94 \$45,991.00 Incremental employment: 220 days

In May of 1993, the CFS opened a forestry office and hired a local forester. The task of the forester is to develop, coordinate and monitor CAFD projects, explore additional forestry projects for the Yukon and stimulate local entrepreneurs in keeping with the objectives of the Agreement. The forester was nominated to chair the CAFD Technical Review Committee and participate on other committees.

Element 4 PUBLIC AWARENESS AND COMMUNICATIONS

Communications Strategy

4134-041 1993/94 \$16,837.15 Incremental employment: 80 days

A number of activities were initiated in conjunction with the overall communication strategy of the EDA to improve awareness, understanding, and knowledge of forest management practices in the Yukon. Additional communication work in advertising was done for CAFD by the EDA Communications Group and covered under Element 6.

Speaking Kit for presentations.

A Speaking Kit for presentations to early elementary through adult audiences on a variety of forestry topics in the Yukon was completed. The Kit describes the development of trees, forest management and silvicultural considerations. It contains speaking notes, slides, available resources and suggestions for forestry learning activities.

A Forestry Poster.

A local artist, Catherine Deer, won the tender to prepare an animated style of poster depicting a variety of forestry management activities involved in sustainable forestry development. The poster was crafted to appeal to the general public, particularly school aged children.

Forestry Display Unit.

Work was started on a design for a forestry display unit depicting a variety of silviculture and forest management activities including tree planting, site preparation, ecosystem classification, and stand tending.

A CAFD Identifier.

A local competition was held to create a CAFD identifier which would raise interest in forestry management and associated work done under the agreement.

Technical Review Committee

4134-034 1993/94 \$900.00

This project provides funds for the non-government members of the CAFD Technical Review Committee (TRC) to cover honoraria, travel and accommodations. The TRC reviews and offers advice on projects under this agreement. The Committee provides important technical linkages between Northern Affairs, Canadian Forest Service, Council of Yukon Indians, YTG Renewable Resources and Economic Development, the Yukon College and the private forestry sector.

Element 5 HUMAN RESOURCE DEVELOPMENT

Thinning Workshop

4135-039 1993/94 \$250.00 Incremental employment: 5 days

The Yukon College and the Canadian Forest Service hosted this 2 day workshop to demonstrate the concepts and techniques of sound forest management. Basic bush skills, power saw handling and safety were included.

There was more demand for the workshop than space provided. Some 14 attended and many more expressed an interest in future workshops. The workshop was intended as a forest improvement and tending introduction for Kwanlin Dun. Participants of the Kwanlin Dun Forest Tending project received first admission to the Thinning Workshop.

Natural Resource Management Course

4135-047 1993/94 \$8,700.00 Incremental employment: 10 days

The Kaska Tribal Council hosted a Natural Resource Management Course put on by the Nicola Valley Training Institute from B.C. The objective was to provide First Nations with necessary conceptual tools to implement natural resource management plans on native woodlands.

From 17 participants, 13 successfully completed the course and received certificates. The course was a success and will be a model for future courses in other communities.

Program Facilitator Extension

4135-030 1993/94 \$24,977.33 Incremental employment: 100 days

Forestry is relatively new to the Yukon and consequently each project requires extensive effort and innovation. The Program Facilitator hired under contract in 1992 was extended into the first quarter of the 1993/94 fiscal year. The Facilitator and later, the forester, worked extensively with resource agencies, EDA Secretariat, First Nations, educational institutions and the private sector to develop projects, promote employment and produce effective products in keeping with the objectives of CAFD.

Metric Log Scaling Course

4135-049 1993/94 \$6,289.14 Incremental employment: 20 days

At the request of the forest industry, CAFD supported the Yukon College in presenting a timber and log scaling course to determine volumes of harvested timber, the amount of defect and net volumes for processing. The Alberta Lands and Forest Service, Environment and Protection, provided Mr. Bill Cooper as the instructor. A total of 19 people attended. Participants successfully completing the course received certification as a Scaler. Demand for the course indicates that similar courses could be extended to other areas in the future. Manuals and procedures will be upgraded and tailored for the Yukon.

The scaling course provides an important step in understanding the products from the forests and the need to design silvicultural activities to enhance crop quality and health. Through the valuable assistance of the Alberta Lands and Forest Service, the College and others, a high quality course was presented with a minimum expenditure.

Table 3

<u>CAFD EMPLOYMENT GENERATED 1993/94</u>	
<u>Project</u>	<u>Person Days of Employment</u>
Ecological Classification	116
Regeneration Survey Manual	15
Stocking Surveys in Upper Liard	100
Silviculture Surveys, Watson Lake	80
Seedling Purchase	20
Test Seedling Production	80
Site Preparation	304
Forest Regeneration Techniques	8
Planting Tree Seedlings	200
Forest Tending and Improvement	350
Yukon Office	220
Communications Strategy	80
Technical Review Committee	
Program Facilitator Extension	100
Natural Resource Management Course	10
Metric Log Scaling Course	20
Total	1,703 Days

**Canada - Yukon Cooperation Agreement:
Forestry Development**

1994-1995 WORK PLAN

1. Background

1.1 Agreement Purpose

The purpose of this Agreement is to establish the processes and structures necessary to implement projects and programs designed to support the expansion and diversification of the Yukon economy in the areas of forestry, and to assist Northern residents to benefit from the forest resources in a way which contributes to the Yukon economy and is consistent with their interest and aspirations.

1.2 Agreement Objectives

The overall objective of this Agreement is to promote the sustainable development of the forest resources of the Yukon thereby ensuring a continuous supply of forest resources both consumable and non-consumable, protecting the ecological diversity of the forest environment, creating employment, increasing economic diversity and stability, and improving the awareness of forest management amongst the Yukon people including First Nations. More specifically, the objectives are to:

- a) improve forest planning including the identification of opportunities for further development of Yukon forest resources both consumable and non-consumable;
- b) strengthen operational research in silviculture and the transfer of knowledge to forest practitioners;
- c) establish an operational silviculture program to enhance timber supply and forest health including the reforestation of up to 500 hectares of forest not satisfactorily regenerated;
- d) improve Yukon residents' awareness, understanding and knowledge of the forest resources and integrated forest management practices; and
- e) promote the development of silvicultural enterprises and a human resource base capable of supplying the broad range of forest management services required to support sustainable forestry development in the Yukon.

<u>CAFD BUDGET FOR 1994/95</u>	
<u>Program</u>	<u>Budget (\$ '000's)</u> (Canadian Forest Service and YTG)
1. Planning	0.0
2. Research	41.0
3. Operational	491.1
4. Public Awareness	40.0
5. Human Resources	7.0
6. Administration	<u>80.0</u>
TOTAL	659.1
CFS Delivery	217.0
YTG Delivery	<u>442.1</u>
TOTAL	659.1

2. Priorities

2.1 Key Priorities for 1994/95

To build on the planning, research, operational silviculture, and human resources initiatives launched in 1993/94, including continuing the reforestation of Non-Satisfactorily Restocked lands, training and forestry workshop series. The priorities for 1994/95 will be:

- a) Stimulate local employment, expertise and silvicultural enterprises by continuing the reforestation silviculture program to enhance timber supply and forest health;
- b) Increase the awareness and application of forest ecology, biodiversity and integrated resource management on forest lands;
- c) Stimulate awareness of sound forest management practices and increase local expertise in forest management tools;
- d) Improve communications in assimilating knowledge from other regions through practical application and in the opportunities offered by the Agreement; and
- e) Work with EDA Evaluation to encourage an industry based profile and needs analysis to identify future opportunities and restraints for sustainable development within the forestry sector.

3. Projects

Projects will focus on:

- a) Improving forest values, long term timber supply, and forest health by reforesting an estimated 430 hectares with 650,000 seedlings. This project will create some 1,000 person days of employment. In addition to training in planting, it will provide local training in a variety of related subjects. A component of the reforestation project will enable local nurseries to experiment with growing spruce seedlings for local conditions. Further work will be done to localize and standardize forestry techniques such as regeneration assessment and seedling growing techniques. Planting will be done in association with Tree Plan Canada leveraging additional funds to the Yukon. Encouraging participation by municipalities, First Nations, community groups and businesses will be a priority.
- b) Building upon an ecological description and interpretation guideline developed in 1992/93 by classifying and describing the ecosystem types of the Southern Yukon (Beaver River, Liard River, Logan Mountains). This project will enable ecological knowledge to be assimilated locally benefitting a wide range of forest users and forming the basis for sound resource management decisions. It will generate approximately 115 weeks of work and provide training opportunities for Yukoners. This is a major project jointly funded by CAFD and Renewable Resources.
- c) Workshops, courses, and training components of reforestation projects, developing local expertise in forest regeneration and assessment, bush skills, supervision, seedling growing and survival, and management services. Most contracts will contain a training component. An estimated 100 people will benefit directly from courses.
- d) There is still a need to demonstrate forest management techniques new to the Yukon. If funding permits, demonstration contracts in survival, assessment, brushing and tending, and thinning of young forests will show the potential for future improvements in forest values.
- e) Working with First Nations, local nurseries, associations, contractors and educational institutions to increase the participation of non-government agencies.

More information is required on the need for management plans, urban forestry, First Nations forest overview, integrated forest management, and long term, ecologically-sensitive forest practices. Benefits to the private sector will be a major consideration.

It is anticipated that the opportunities for worthwhile CAFD projects will exceed CAFD budget.

4. Communications

This component of the Agreement will focus on:

- a) advertising courses and training opportunities;
- b) delivering workshops on forest management and values, promoting sound forest management practices and training local entrepreneurs;
- c) press releases, displays, and advertising on site preparation, tree planting activities and other silvicultural techniques;
- d) invitations to the public to participate in or observe planting activities;
- e) improving communications with other EDA Committees; and
- f) direct mail out to known client groups.

5. 1993/94 Audit

4133-021 Planting
4133-030 Site Preparation

In addition, the CAFD expenditures will be reviewed by CFS Audit Services.

6. Evaluation

CAFD may develop a project to complement the evaluation. The project would consider a topic, such as a forest sector needs analysis, in more detail than the EDA Evaluation.

For additional information, please contact the CAFD co-chairs, Elaine Teske or Steve Smyth, any member of the Management Committee, Technical Review Committee, Debra Wortley, Darwin Wreggitt or Dean Mills.

Table 5

CAFD COMMITTEE REPRESENTATIVES

CAFD Management Committee

For Canada:

Elaine Teske, Canadian Forest Service (CFS)
Co-chair (604) 363-0611

Andre Savaria, Northern Affairs Program (NAP)
(403) 667-3350

Dean Mills, CFS (604) 363-0638

Council for Yukon Indians (CYI):

Dietmar Tramm (403) 667-7631

Observers:

Debra Wortley, CFS (403) 668-4467

For the Yukon:

Steve Smyth, Renewable Resources
Co-chair (403) 667-5797

Bob Kuiper, Economic Development (403) 667-3078

Bert Perry, Renewable Resources (403) 667-3566

Don White, NAP (403) 667-3335

Secretariat and Implementation

Dean Mills
Debra Wortley, Forester

Darwin Wreggitt

Technical Review Committee

Debra Wortley, CFS (403) 668-4467
Chair

Don White, NAP (403) 667-3335
Alternate Chair

Perry Diamond, Renewable Resources (403) 667-3523
Ted Osmond-Jones, Yukon College (403) 668-8776
Gunnar Nilsson, Sloughmill YJ36552 (radio phone)
Ray Quock, CYI (403) 667-7631
Glen Hart, Economic Development (403) 667-3564
Bill Bowie, Arctic Inland Resources (403) 993-5240
Darwin Wreggitt, Economic Development (403) 667-3568