

2001



Land Reclamation Program

Annual Report

December 2001



2001 Land Reclamation Program

1.	Program Summary	1
	Funding Partners	1
	Other Partners	1
2.	Labour	2
	(a) Land Reclamation	2
	(b) Ontario Works	2
	(c) FedNor - Youth Internship Initiative	2
	(i) <i>"Healing the Landscape"</i>	3
	(ii) <i>Land Reclamation Expertise</i>	3
	(d) Human Resource Development Canada - Job Creation Partnership	3
	(e) Volunteers	3
	Labour Structure - 2001 Land Reclamation Program Chart	4
3.	Events	4
	(a) Book Launch <i>"Healing the Landscape"</i>	4
	(b) Bremen Partnership Award, Bremen, Germany	5
	(c) Roots and Shoots Conferences, Science North, Sudbury	5
	(d) Tree Giveaway, New Sudbury Shopping Centre, Sudbury	6
	(e) Appreciation Lunches	7
	(f) Continuous Improvement Sessions	7
	(g) Vermillion Forest Management Partnership	8
	(h) Upper West Branch Resortation Project	8
	(i) Gift That Grows Campaign	8
	(j) WHMIS Training	8
	(k) Job Search/Resumé Writing/Networking Workshops	8
4.	Projects	9
	(a) GIS (Geographic Information Systems) Mapping	9
	(i) <i>Annual Updates</i>	9
	(ii) <i>Internet Application</i>	9
	(iii) <i>Five Year Plan</i>	9
	(iv) <i>Urban Tree Inventory</i>	9
	(v) <i>Web Page Development</i>	9
	(b) Graphic Design	10
	(i) <i>Land Reclamation Projects</i>	10
	(ii) <i>"Healing the Landscape" Projects</i>	10
	(iii) <i>Multimedia Slide Presentations</i>	10
	(iv) <i>Published Documents</i>	10
	(v) <i>Photography and Scans</i>	10
	(c) Monitoring and Research	11
	(i) <i>Existing Experimental Plots Monitored</i>	11
	(ii) <i>New Research Projects Initiated</i>	11
	(d) <i>"Healing the Landscape"</i>	12



2001 Land Reclamation Program

5.	Financial Summary	13
6.	Media	14
7.	Challenges for 2002	14
	KEY FACTS	15
	Yearly Financial Contributions To Date 1978 - 2001	16
	Funding - Financial Contributions to Date 1978 - 2001	17
	Major Funding Contributions	18
	Yearly Liming To Date 1978 - 2001	19
	Yearly Tree Planting To Date 1979 - 2001	20
	Percentage of Species Planted	21
	2001 Grassing Greening Sites	22
	2001 Tree Planting Sites	23

In 2001, the City of Greater Sudbury's Land Reclamation Program continued its dedication toward a greener Sudbury. With a work crew of more than 250 individuals, the Program was able to plant almost 1.2 million tree seedlings. With the completion of the fall plant, the total number of trees planted within the City boundaries exceeds seven (7) million. Efforts were made to reclaim areas off Southview Drive, as a continuation of the previous year's efforts, as well as more residential areas at the end of Catalina Court and Madeline Street. A total of 10 hectares of land was limed.

The following summarizes some of the activities that occurred:

Task	Result 2001	Total Completed
Area Limed	10 ha	3,304 ha
Area Fertilized	-	3,135 ha
Area Seeded	-	3,015 ha
Trees Planted	1,175,504	7,226,401

Funding Partners

- ▲ Ontario Works Program (OWP)
- ▲ Human Resource Development Canada (HRDC)
- ▲ City of Greater Sudbury (CGS)
- ▲ Tree Canada Foundation (TCF)
- ▲ Millennium Tree Program / TCF
- ▲ Eddie Bauer / TCF
- ▲ Mirage / TCF
- ▲ Armstrong International Movers / TCF
- ▲ Greentec International / TCF
- ▲ RIS / TCF
- ▲ Petro Canada / TCF
- ▲ Canadian Institute of Treated Wood / TCF
- ▲ Longlac Wood Industries / TCF
- ▲ Vermillion Forest Management (VFM)
- ▲ INCO Limited
- ▲ Falconbridge Limited
- ▲ Health and Social Services / CGS
- ▲ FedNor
- ▲ Science North
- ▲ Jobs Ontario / YMCA Employment Services
- ▲ DOMTAR / Nickel District Conservation Authority
- ▲ Sudbury earthdancers
- ▲ Cooperative Freshwater Ecology Unit / MNR
- ▲ Parry Sound Nature Club

Other Partners

- ▲ Junction Creek Stewardship Committee
- ▲ Rainbow Routes / Trans Canada Trail
- ▲ Sudbury Community Foundation



a) Land Reclamation

With assistance from various funding agencies, several positions were made possible this year. These positions ranged from working in the “field” planting tree seedlings, to administration and support. The labour force this year was primarily made up of participants from the Ontario Works Program. Human Resource Development Canada (HRDC) funding for Job Creation Partnership (JCP) participants was made available in early June. This labour enabled us to complete our targets and plant the trees that were donated to the Program. Other technical positions were also made possible through JCP such as a Researcher, Geographic Information System (GIS) Technician, Administrative Assistant, Computer Graphics Technician, Foreperson and Crew Leaders. This year funding was also received from FedNor, enabling a position for a Marketing and Development Intern for a one year term. This position will be responsible for the successful marketing and distribution of the book *“Healing the Landscape”*, and marketing land reclamation expertise.

b) Ontario Works

The Land Reclamation Program and Health and Social Services “partnered” again, for the fifth year running, to facilitate the Community Placement component of the Ontario Works Program. Seven different sessions were offered, each ranging in duration from seven to twelve week periods. In total, 110 positions were made available for 220 participants, to work two days a week, at eight hours per day. The period of participation extended from May 7 to October 18. The individuals who participated on the Program planted tree seedlings and “greened” barren landscapes by spreading agricultural limestone. In addition to assisting with the 2001 Land Reclamation Program, these individuals received job experience, a current work history, a letter of reference, certified Workplace Hazardous Materials Information System (WHMIS) training as well as job search skills. Our “partnering” with Ontario Works has been very successful. Many individuals have gained valuable work experience and have become employed.



c) FedNor - Youth Internship Initiative

This year the Program was successful in their application for funding from FedNor for a Marketing and Development Intern. The position was filled on September 10, and the placement is for a one year term. The goal with this position is to market the book *“Healing the Landscape”* as well as land reclamation technology.

This portion of the placement involves the coordination of distribution, promotion and marketing of the 6500 copies of *“Healing the Landscape”* throughout Canada and internationally. This position was filled in time to get marketing strategies in place before the Christmas season rush. Once the Christmas season has ended, it is anticipated that a permanent strategy for the distribution of remaining copies of the book will be in place.

ii) **Land Reclamation Expertise**

The second initiative is to explore and develop partnerships to “market” the reclamation expertise that exists in the Sudbury area. This involves the development of business and trade liaisons related to selling our land reclamation and environmental restoration technology. Research into marketing strategies will be necessary to establish potential contacts and opportunities.

d) **Human Resource Development Canada (HRDC) - Job Creation Partnership**

The Land Reclamation Program was fortunate this year to receive funding from Human Resource Development Canada (HRDC) through the Job Creation Partnership (JCP) Program for a start date of June 11. The Program received 31 job placements including 23 labour positions, four supervisory positions, and four technical / administrative positions. Individuals participating on the Program through JCP worked either 32 or 35-hours over a four day work week up until the field season end date of October 18. The technical and administrative positions were extended beyond the field end date, which was beneficial for summary reports of the events of the year 2001, and the preparation for the next season. All participants were provided with Job Search Skills seminars, which included topics on resume writing, interview preparation and job search skills. They also received certified WHMIS training and a letter of reference.

e) **Volunteers**

Almost 10, 000 tree seedlings were planted by more than 450 volunteers who assisted with the Program this year. These volunteers were involved in a variety of organized groups or clubs. The volunteer program provides educational opportunity on environmental issues, information on the City’s Land Reclamation Program, as well as tree planting experience.



Program	Number	Cost	Activity
City of Greater Sudbury <i>Temporary/Summer Students</i>	3	80%	tree planting, liming
City of Greater Sudbury <i>Temporary Employees</i>	6	100%	Supervisor, Foreperson, Crew Leader/Bus Driver, Labourers, GIS Mapping
Human Resource Development Canada (Job Creation Partnership)	20	NIL	tree planting, liming
	3	NIL	tree planting, liming, driving bus
	3	\$0.70/hr (each)	crew leaders
	1	\$1.20/hr	foreperson
	4	NIL	research, GIS mapping, computer graphics, administration
Ontario Works	110 220 people Sessions 1 thru 7	NIL	tree planting, liming

TOTAL

149

3) EVENTS

a) Book Launch: *"Healing the Landscape"*

VETAC's Millennium Project, which began in 1999, celebrated its goal with the public launch of the book *"Healing the Landscape"* at the Science North INCO Cavern on March 21, 2001.

Four young citizens received a complementary copy of the book for their winning quotes on their perception of the reclamation story which were included in the publication. Awards were also distributed to the Project's sponsors, for both financial and in-kind contributions.

Dr. Dave Pearson hosted the event which was well received by the public. Guest speakers included Gail Grolimand, Executive Director for the Jane Goodall Institute (via phone link), Mayor Jim Gordon, and the Honourable Diane Marleau, MP (via phone link).

In April, 2001, Councillor Lionel Lalonde and Dan Napier represented the City of Greater Sudbury at the 2001 2nd International Conference - Business and Municipality - New Partnerships for the 21st Century, in Bremen, Germany. The City of Greater Sudbury was a finalist in the Bremen Partnership Award in the area of Global Responsibilities Through Local Action, and received a Finalist Award Certificate from the Mayor of Bremen, Henning Scherf. The submission was jointly submitted by the City of Greater Sudbury and INCO Ltd. Ontario Division outlining the environmental partnership that has been shared over the past 20 years. Other finalists in this category included City Council of Amsterdam, Netherlands, Dublin Corporation, Ireland and the Regional Development Department, Vejle County, Denmark.

**c) Roots and Shoots Conference, Science North, Sudbury**

For the first time, students, teachers and parents from all four boards of education met to share their experience, ideas and dreams during the Jane Goodall Institute's annual "Roots and Shoots Conference" at Science North, April 25 and 26, 2001. Close to 300 delegates from the Rainbow District School Board, Sudbury Catholic District School Board, le conseil scolaire catholique du Nouvel-Ontario and conseil scolaire du district du Grand Nord de l'Ontario participated in workshops, forums and field trips designed to improve our environment, schools and communities. The Land Reclamation Program provided these participants with the liming experience off Turner Avenue, which is part of the Nickel Dale sub-watershed. Four sessions were provided over the two-day conference, each session lasted about one hour. Students, teachers and parents were able to experience the true manual labour involved in reclaiming barren landscapes. They filled lime bags, carried them to the site, and spread the limestone on the barren hills. It was the intent that participants would share what they have learned during the conference with others, thus spreading hope and inspiration for a better future, one person and one idea at a time.



The annual Tree Giveaway was held Friday, May 11 and Saturday, May 12, 2001, at the New Sudbury Shopping Centre. More than 11,000 tree seedlings were distributed by more than 10 volunteers. The tree species given out included the very popular Cedar and White Spruce. More than 5,500 individuals received trees.

Once again, for anyone who brought in a sample, Cambrian College was on hand to conduct soil testing for pH levels, and the Master Gardeners provided gardening and landscaping advice. This year we used this opportunity to promote the book *"Healing the Landscape"*, now available for sale.

The purpose of this event is to let the community know about the activities of the Land Reclamation Program and promote tree planting in our community. Many interested individuals' and strong supporters donated to the "collection box," which totaled \$1,284.92.



This year, appreciation lunches were held for the participants of the Ontario Works Program. At these events, participants were thanked for their participation in the Land Reclamation Program and for their compliance to the Ontario Works Program. Awards, in the form of Program T-shirts and hats, were distributed to participants with outstanding attendance and dedication to their Placement. In all, four lunches were held to encompass the two main sessions (12 weeks each), as well as the two crews per week (Monday-Tuesday and Wednesday-Thursday groups). On July 24 and 26, this event took place at Fielding Park in Walden where people were able to relax in the beautiful landscape and watch some of the water fowl which inhabit the park. On October 16 and 18, a pizza lunch was provided at Tom Davies Square due to the inclement weather experienced late in the season. These lunches were a great success, and the participants were feeling a part of something that was important, and appreciated by many people.



f) Continuous Improvement Sessions

Upon completion of their work session, participants and employees took part in an information session to discuss the Program activities. Questions were asked to determine what improvements and efficiencies could be made. The intent of this session, was to provide all participants a forum for discussing their ideas, as well as an opportunity to learn what issues remain challenges for improvement.

Several suggestions were made and should be investigated for the 2002 season. One suggestion was to improve communication between supervisory staff members via 2-way radios which would in turn provide consistency in direction to work crews in various locations of the site. Washroom facility accessibility was also an issue, although we already do the best we can to accommodate the crew in this issue.

Other issues include:

- ▲ WHMIS workshop at beginning of Program to put on resumé to seek employment
- ▲ drinking water is dirty and warm, could we get bottled water
- ▲ eye wash station needs improvement, the container is dirty and worn
- ▲ put whistles on planting bags in case someone gets lost

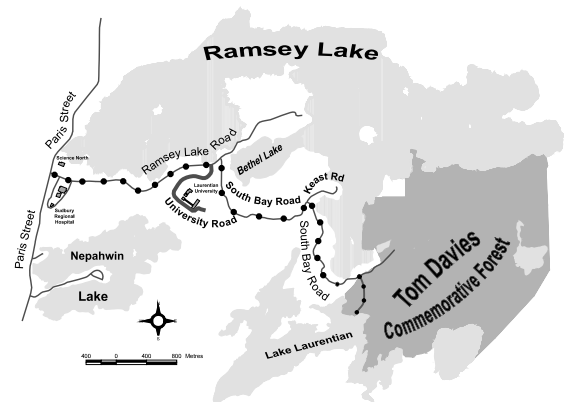
This fall marked the beginning of our partnership with Vermillion Forest Management (VFM), with the planting of almost 120,000 tree seedlings. The seedlings, provided by VFM, were planted on Crown land situated near the old Radar Base. This was the first phase of our partnership, with phase two and three to be executed in the spring and fall of 2002.

h) Upper West Branch Restoration Project

The Junction Creek Stewardship Committee, acting under Ecoaction 2000, requested our partnership in an effort to obtain Federal funding for initiatives within the Nickel Dale sub-watershed. The agreement was to plant 40,000 trees in the sub-watershed over a two-year period (2001-2002). Thanks to the donation of tree seedlings from Tree Canada Foundation and its many sponsors, we were able to fulfill this two-year commitment this year, with the planting of over 47,000 trees within the sub-watershed.

i) Gift That Grows campaign

This campaign has enjoyed another successful year with more than 20 people donating to the Sudbury Community Foundation's Tree Fund, generating over \$300. This program helps to celebrate an event or commemorate a memorial, by planting a tree seedling in dedication to someone special. These trees are planted in the Tom Davies Commemorative Forest, located within the Lake Laurentian Conservation Area. The fund contributes a variety of trees to this forest such as White Pine, Red Pine, Jack Pine, White Cedar, Tamarack, and White Spruce.



The donations are pooled with other such gifts and invested - with the interest income distributed as a grant, back to the Land Reclamation Program. The capital is never touched and continues to grow, generating income to aid in the preservation, protection and improvement of watersheds, forests and ecosystems within the City of Greater Sudbury.

j) WHMIS Training

For all the participants who successfully completed their Land Reclamation placement, certified WHMIS training was provided on October 18, the last day of the field season. After the session, all participants were reminded to include this training on their resumé, as it may be beneficial in obtaining future employment.

k) Job Search/Resumé Writing/Networking Workshops

As a part of our agreement with HRDC - Job Creation Partnership, a training workshop was held on October 25, hosted by Lee Erskine of Employment Support Services, City of Greater Sudbury to discuss job search techniques. All participants from Job Creation Partnership were encouraged to attend. The workshop was extremely informative on the most recent resumé writing techniques, interview preparation, and finding the hidden job market. Positive feedback was received by all who attended the workshop.

a) GIS (Geographic Information Systems) Mapping

(i) Annual Updates

Records of past and present reclamation sites are very important to plan future efforts as well as monitor the survival and quality of previously planted and reclaimed sites. We have completed GIS mapping for the following:

- | | |
|---------------------------------------|---|
| ▲Tree Planting Sites (2001) | ▲Monitoring and Research Sites (1978 to 2001) |
| ▲Tree Planting Sites (1979 to 2001) | ▲Junction Creek Proposed and Clean-Up Sites (1999 - 2001) |
| ▲Grassing and Greening (2001) | |
| ▲Grassing and Greening (1978 to 2001) | ▲Proposed Land Reclamation Sites (2002+) |

With this type of mapping, a cumulative map can be constructed by overlaying or adding all activities from year to year. In this format, Land Reclamation progress can be clearly defined.

(ii) Internet Application

Future plans are in progress to develop interactive mapping. All of the Land Reclamation activities will be available via the Internet. Layers such as tree planting sites, grassing and greening sites, research and monitoring sites, proposed reclamation sites will be available. This service will allow anyone interested to see where we have been and follow where we are going with the Land Reclamation Program activities.

(iii) Five Year Plan

We have utilized GIS to assist with the development of a five year plan which started in 1999. The Five Year Plan identifies the future direction for the Program and outlines what areas are left for reclamation and tree planting activities. This guide is used as a tool for planning yearly programs as well as providing an overall outlook for the Program. The capability of GIS, allows us flexibility in creating drawings with various pieces of information.

(iv) Urban Tree Inventory

The Land Reclamation Program will use GIS as a tool to help create an urban tree inventory for the new City of Greater Sudbury. The creation of this data base will determine their geographic location, will help for future planning, and will allow for up-to-date information on the trees. Statistics on the trees, such as their age, health, species, etc., can also be performed. Once the data base is completed, pen-based computer units can be used in the field. The user can enter any information directly and the data base will automatically be updated.

(v) Web Page Development

The Web Page for the Land Reclamation Program is currently being redeveloped in conjunction with the newly redeveloped City of Greater Sudbury Web Page. Our new site will explain the Program and related activities. It is hoped that we will continue to improve and develop the site and make it user friendly, interesting and informative.

b) Graphic Design

(i) Land Reclamation Projects

This year we were able to produce a new “Ontario Works Participant Tracking Sheet” which was previously designed in an effort to minimize the amount of paper work associated with the participants on the Ontario Works Program. The Land Reclamation Logo was also updated to reflect the new City of Greater Sudbury, and T-shirts and hats were produced bearing the new insignia. Archived photos, presentations and other files are now kept in CD format. Covers were produced for the CD’s and a filing system was developed. Other activities included the creation of promotional banners, signs and cards bearing the logo of the Program and the development of appreciation and information letters.



(ii) “Healing the Landscape” Projects

Graphic design capabilities this year, enabled effective promotion and marketing of the book “*Healing the Landscape*”. Certificates, invitations, posters, display booth, order forms, advertising and press releases were prepared to promote the book launch and market the book.

(iii) Multimedia Slide Presentations

Slide presentations were prepared and stored on CD for future use for a variety of audiences including educational, seminar and conference applications. With presentations in this “ready to go” format, presentation preparation time will be reduced.

(iv) Published Documents

This year, along with the usual publishing of the Land Reclamation Annual Report, other documents were produced including: Before and After Land Reclamation Brochure, Working Practices 2001 Employee Handbook, an updated Land Reclamation Brochure and “A Gift that Grows” brochure with card and letter.

(v) Photography and Scans

A variety of photographs were taken to update and archive the progress of reclaimed sites at various locations within the City. Photographs were also taken at various events and functions including everyday activities, throughout the year. Scans were made of aerial photographs, maps and other pictures which, in this form, can be stored in digital format and used for a variety of applications. These photos and scans were used in various promotional context, including slide presentations, thank you letters, and advertising.

Monitoring completed projects for the Program is an important part of maintaining the quality and viability of our methodology. This year we were fortunate to receive funding for this position early in the year, enabling the monitoring of previous year planting, assessing existing experimental plots and establishing methodology of new projects that warrant research. This year we were fortunate to complete a great deal of sampling and data collection which is currently being analyzed. A full report of the findings will be prepared within the next few months.

(i) Existing Experimental Plots Monitored

- ▲ Black Spruce Survival Sampling
- ▲ Monitoring of Soil Acidity After Liming
- ▲ Urban Reforestation Type Planting # 251 and # 252
- ▲ Late Planting Sample Plots
- ▲ Tree Survival Sampling- Spring Stress Study
- ▲ Nickel Centre Welcome Centre -Tree Seedling and Homogeneous Plot Study
- ▲ 166 plots planted in 1999 were monitored in 2001
- ▲ Japanese Knotweed Study
- ▲ Leaf Compost Experimental Plots
- ▲ Ground Truthing of GIS maps



(ii) New Research Projects Initiated

- ▲ Soil pH and Electrical Conductivity Survey
- ▲ Tributary pH and Electrical Conductivity Survey
- ▲ Mycorrhizal Inoculated Tree Seedling Survey
- ▲ Municipal Compost and DOMTAR biosolids as a Reclamation Substitute
- ▲ Investigation of Funding Sources

The response to *“Healing the Landscape”* since its book launch in March 2001 has been overwhelming. Approximately 6,600 books were printed in full colour, high gloss, landscape format (11.5" x 10"). Over 3,500 books have been distributed to libraries, schools and environmental organizations across Canada and worldwide. We have received hundreds of positive responses about the book from readers across Canada and the world. Over 1,300 books have been sold in Sudbury as residents buy copies to retain as “keepsakes” reminding them of Sudbury’s environmental history or send them to family and friends who used to live in Sudbury. The quality of the photography used in the book stands alone in providing an example of what can be done to restore a damaged ecosystem both scientifically and inspirationally.

The purpose of creating this world class “artistic photographic book” was to illustrate the marriage of science and art in a compelling story of re-vegetation and restoration of the devastated Sudbury area. One of the goals was to illustrate a landscape devastated and then transformed into a Canadian environmental success story, inspiring communities to improve their environment.

There are several marketing strategies being pursued for the Christmas season. The book will be available for sale at the Sudbury Farmers’ Market during the first weekend of December, 2001. As well, various businesses, such as banks, lawyers’ offices, engineering firms, will be receiving a Christmas mail-out letting them know that the book is only available for a short time and makes an ideal gift for clients and guests to the Sudbury community. Finally, we are hoping to expand our distribution network to make the book more accessible to the community.

There is only a limited number of books that may be purchased for \$39.95 plus GST at the City of Greater Sudbury (Tom Davies Square and the Citizen Service Centres all over the region), Black Cat Too!, Whizards at Science North, Chapters, Laurentian University bookstore and Muirheads. Proceeds generated from this project will be donated to the Sudbury Community Foundation for the Tree Fund, thereby furthering the “regreening” effort in the community.



The Land Reclamation Program was very fortunate to receive funding and material from outside “partners”. The cost of this years’ Program exceeded \$1.2 million. The City of Greater Sudbury contributed just over \$144,000.00. Therefore, the City’s contribution to the Program was 11% of the total cost, with the remaining 89% of the Program costs financed from other partners. The following chart summarizes the financial contributions, including “in-kind” contributions of labour and material.

Program Contributors	Weeks	Number	Source	Amount
LABOUR				
Ontario Works Program	2,534	220	Provincial	\$ 405,440.00
HRDC - Job Creation Partnership	19	27	Federal	
	36	4	Federal	\$ 309,828.00
FedNor	52	1	Federal	\$ 8,000.00
Jobs Ontario		3	Provincial	\$ 2,750.00
CASH				
HRDC			Federal	\$ 40,000.00
Vermillion Forest Management			NGO	\$ 37,735.68
CGS - Health and Social Services			Provincial	\$ 30,000.00
Falconbridge Ltd.			Mining Co.	\$ 30,000.00
INCO Ltd.			Mining Co.	\$ 25,000.00
Sudbury Earthdancers			Private	\$ 1,520.00
Parry Sound Nature Club			Private	\$ 100.00
MATERIALS				
Trees				
Tree Canada Foundation				
▲Millenium Tree Foundation	614,857		Private	\$ 184,457.00
▲Eddie Bauer	72,500		Private	\$ 21,750.00
▲Mirage	1,550		Private	\$ 1,223.72
▲Armstrong International Movers	3,076		Private	\$ 922.80
▲Greentec International	2,383		Private	\$ 714.90
▲RIS	1,923		Private	\$ 576.90
▲Petro Canada	1,550		Private	\$ 465.00
▲Canadian Institute of Treated Wood	769		Private	\$ 230.70
▲Longlac Wood Industries	769		Private	\$ 230.70
Vermillion Forest Management	117,648		NGO	\$ 35,294.40
INCO Ltd.	30,000		Mining Co.	\$ 9,000.00
NDCA	10,450		Private	\$ 3,135.00
Cooperative Freshwater Ecology Unit	20		Provincial	\$ 1,000.00
Private Citizen	99		Private	\$ 29.70
Lime				
Science North	35 tons		Provincial Agency	\$ 1,093.40
SUB-TOTAL				\$ 1,150,497.90
City of Greater Sudbury Contribution				\$ 144,070.00
City Tree Purchase Reserve				\$ 40,000.00
GRAND TOTAL				\$ 1,334,567.90

Several media covered the progress and/or activities of the Land Reclamation Program. Media coverage was positive and responded to many of our programs and events, including the book launch for Healing the Landscape, and the Annual Tree Giveaway.

i)	Newspapers Sudbury Star Northern Life Active Generation, Parry Sound	ii)	Television MCTV Evening News MCTV News at Noon Local Cable (Prevue Channel)	iii)	Radio CBC Radio Q92
----	---	-----	---	------	----------------------------------

7) Challenges for 2002

The 2001 Land Reclamation Program was successful. All of the goals and expectations for the Program were met.

Several challenges have been explored for 2002, these include:

- ▲ Securing long-term commitments from funding “partners”
- ▲ Initiating projects and programs proposed by VETAC subcommittees
- ▲ Establishing a long term tree supply
- ▲ Initiate a program to increase liming portion of the Program



2001 Quick Summary

- ▲ 1,175,504 tree seedlings were planted in 2001
- ▲ 10 ha or 24 acres of land was limed, at locations off Southview Drive, and in more residential areas at the end of Catalina Court and Madeline Street
- ▲ Over 200 individuals participated in the Program through Ontario Works
- ▲ 31 individuals participated in the Program through Job Creation Partnership
- ▲ almost 500 volunteers participated in this year's program, planting trees throughout the City
- ▲ over 11,000 tree seedlings were given away to residents of the City of Greater Sudbury
- ▲ to date, 7,226,401 tree seedlings have been planted throughout the City of Greater Sudbury as a part of the Land Reclamation Program

Partners Included

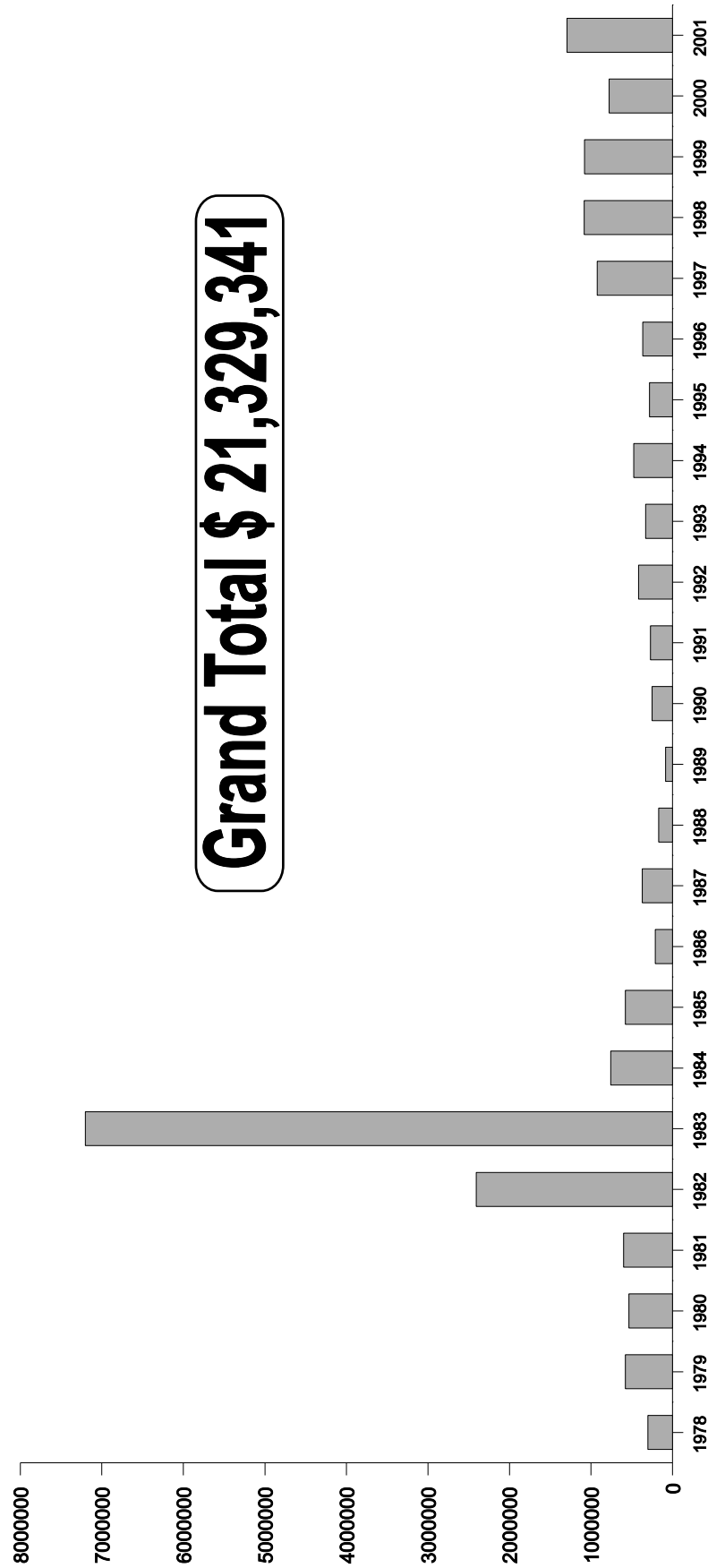


- ▲ Ontario Works Program (OWP)
- ▲ Human Resource Development Canada (HRDC)
- ▲ City of Greater Sudbury (CGS)
- ▲ Tree Canada Foundation:
 - ▲ Millennium Tree Program
 - ▲ Eddie Bauer
 - ▲ Mirage
 - ▲ Armstrong International Movers
 - ▲ Greentec International
 - ▲ RIS
 - ▲ Petro Canada
 - ▲ Canadian Institute of Treated Wood
 - ▲ Langlac Wood Industries
- ▲ Vermillion Forest Management (VFM)
- ▲ INCO Limited
- ▲ Falconbridge Limited
- ▲ Health and Social Services / CGS
- ▲ FedNor
- ▲ Science North
- ▲ Jobs Ontario / YMCA Employment Services
- ▲ DOMTAR / Nickel District Conservation Authority (NDCA)
- ▲ Sudbury earthdancers
- ▲ Cooperative Freshwater Ecology Unit / MNR
- ▲ Parry Sound Nature Club

Other Partners

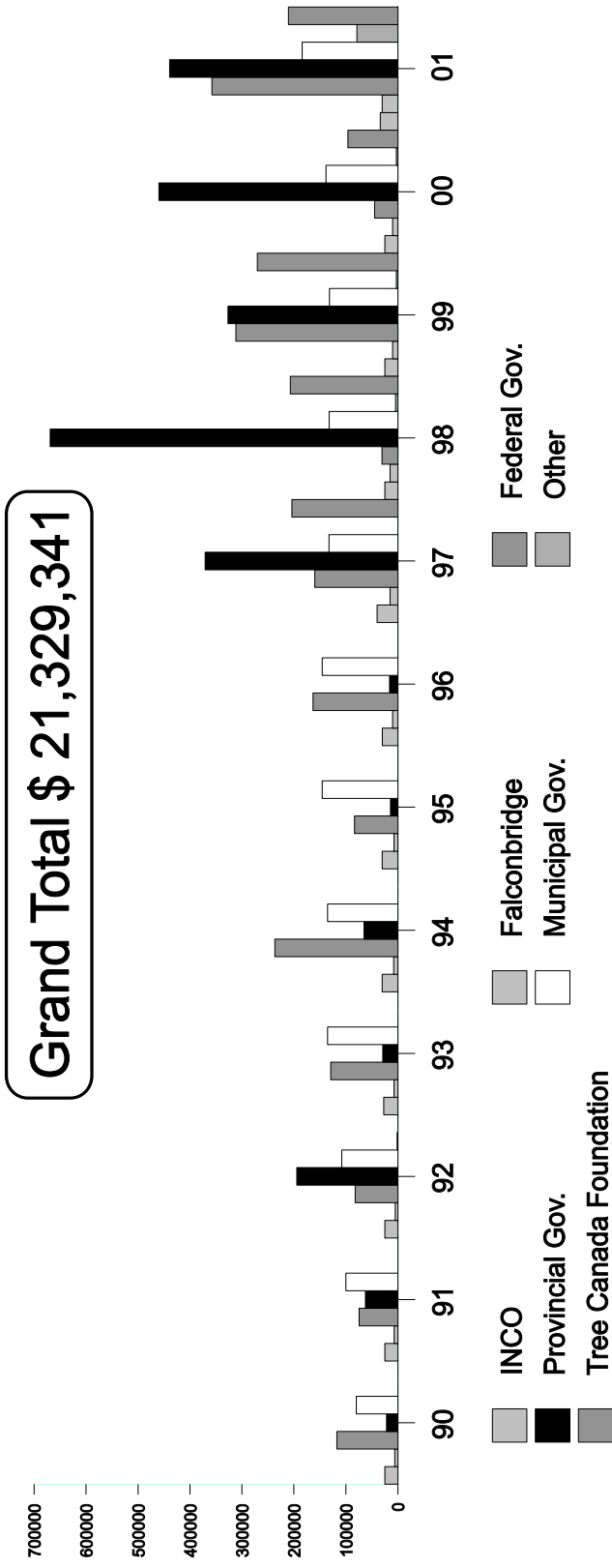
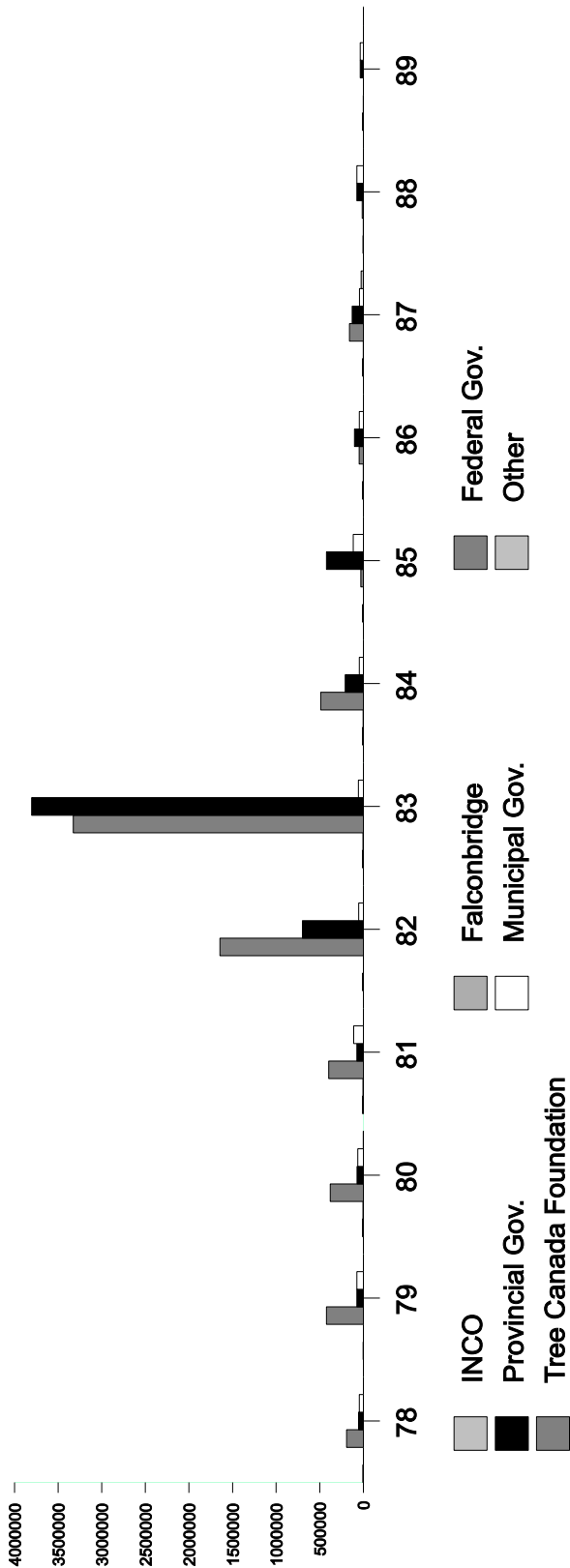
- ▲ Junction Creek Stewardship Committee
- ▲ Rainbow Routes / TransCanada Trail
- ▲ Sudbury Community Foundation

Yearly Financial Contributions To Date 1978 - 2001



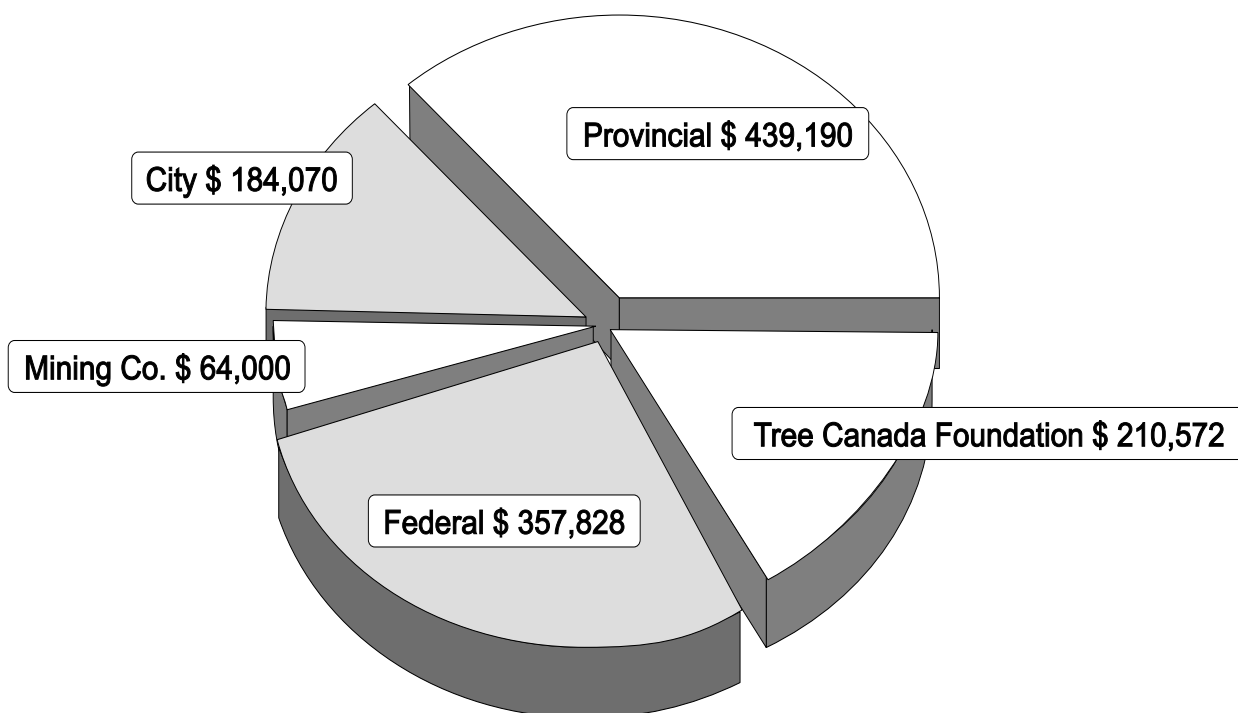
Funding - Financial Contributors To Date

1978 - 2001



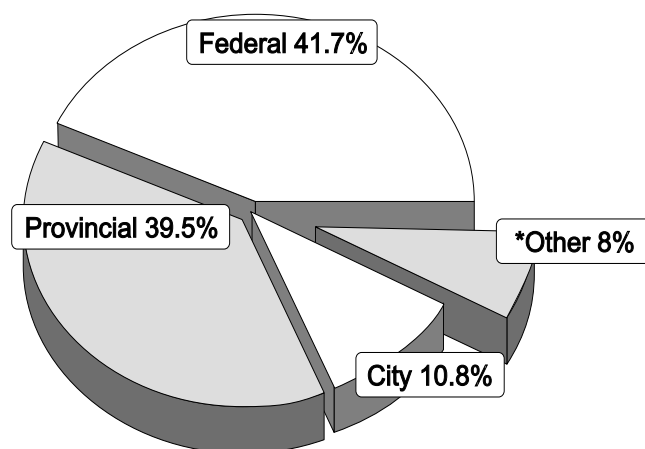
Grand Total \$ 21,329,341

Major Funding Contributions 2001

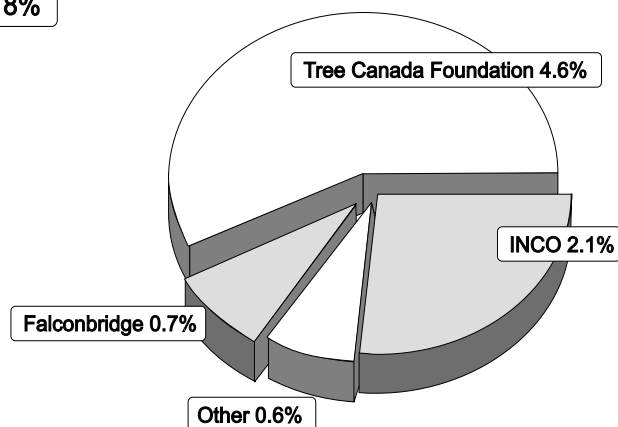


Financial Contributions

Overall Percentages 1978 - 2001

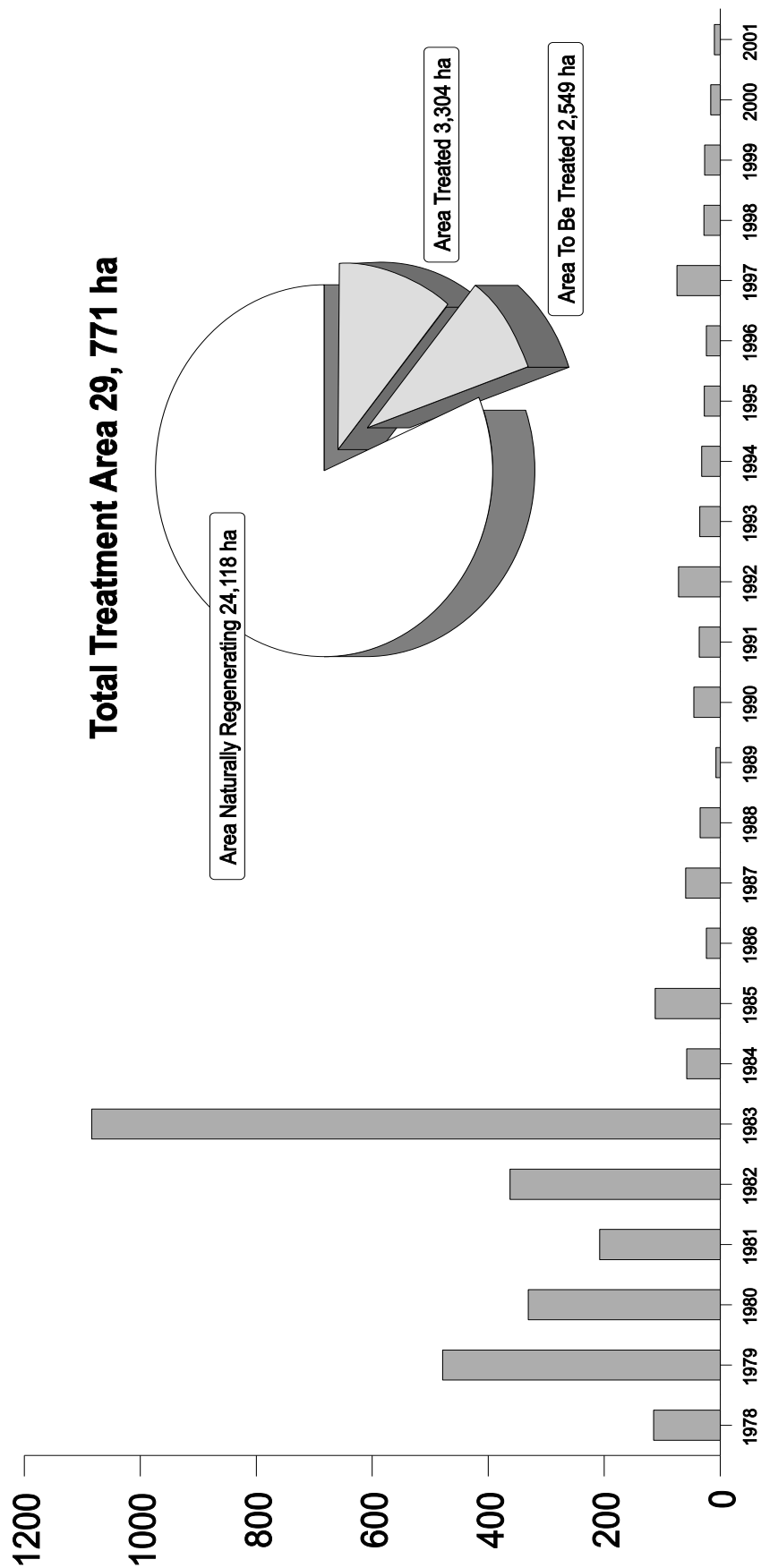


* Other 8%



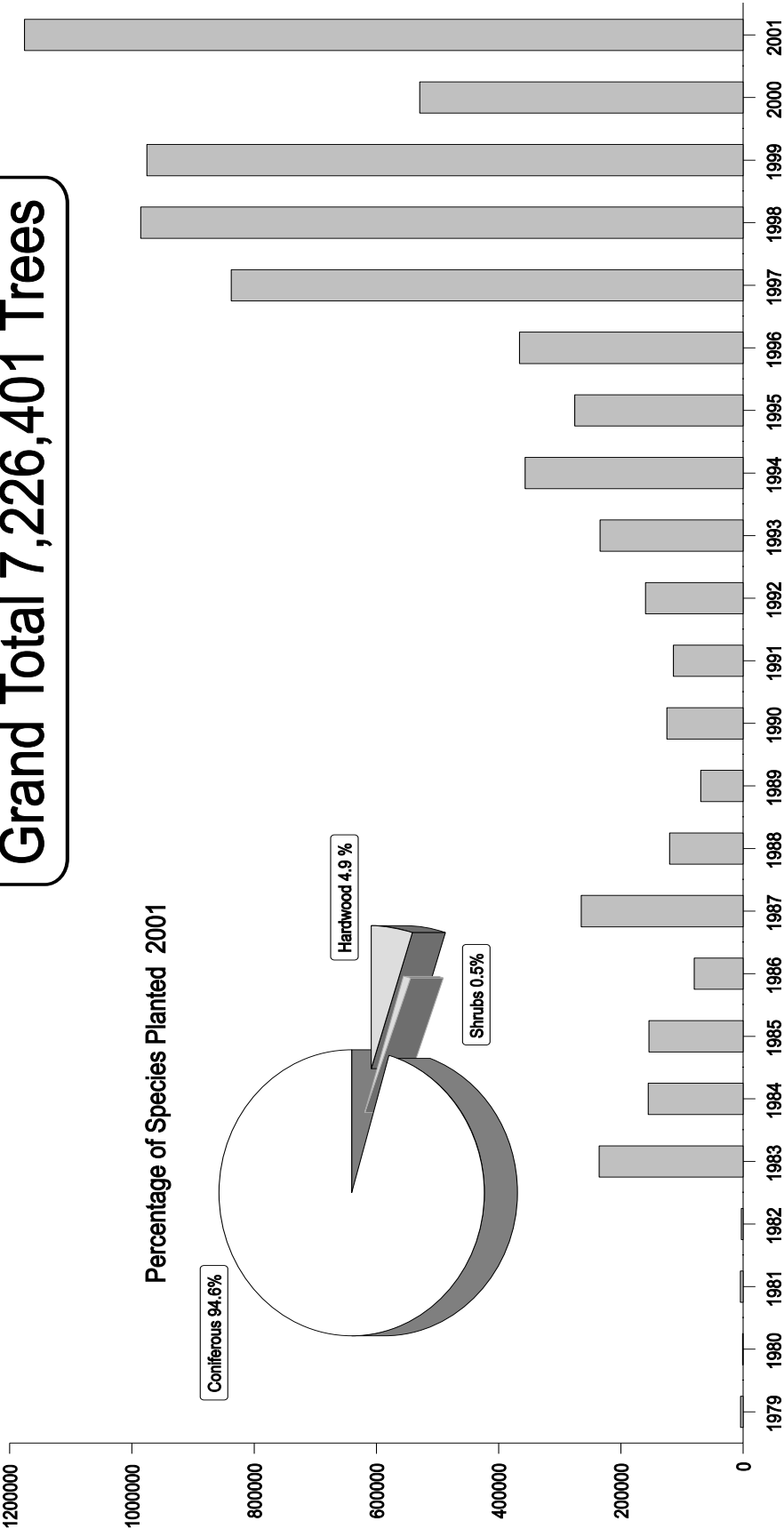
Yearly Liming To Date 1978 - 2001

Grand Total 3,302.7 ha

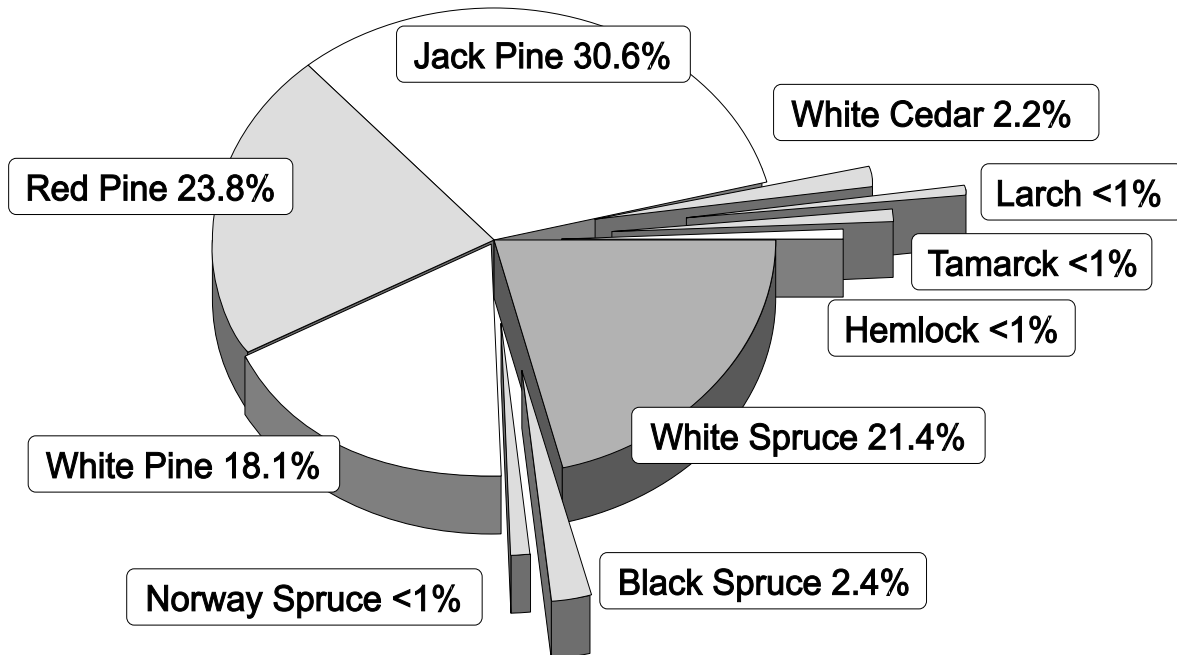


Yearly Tree Planting To Date 1979 - 2001

Grand Total 7,226,401 Trees



Coniferous Species Planted 1979 - 2001



Hardwood Species Planted 1979 - 2001

