

ANNUAL REPORT 1997-1998



**Sectoral Policy Division
Sectoral Policy and Program Devolution Branch
Department of Indian Affairs and Northern Development**

MAY 1998

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TABLE OF CONTENTS

FOREWORD	ii
PROGRAM OVERVIEW	1
PROGRAM DESCRIPTION	1
PROGRAM ADMINISTRATION	1
REPORT ON 1996-1997 ACTIVITIES	3
PROGRAM ACTIVITIES	3
<i>NSTP Committee Membership</i>	3
<i>NSTP/Northern Studies Promotion</i>	3
<i>Internet</i>	3
<i>Electronic Forms</i>	3
<i>Annotated Bibliography of Publications Based on Research Supported by the NSTP</i>	3
<i>University Follow-Up</i>	4
OVERVIEW OF NSTP SUPPORT TO UNIVERSITIES DURING 1996-1997	4
1998-1999 UNIVERSITIES FUNDING REQUESTS	23
APPENDICES	25
I Northern Scientific Training Program Committee Membership 1997-1998 .	27
II List of University Chairpersons, Institutes or Committees for Northern Studies 1997-1998	31
III Summary of Student Scientific Activities Supported by the NSTP in 1997-1998	39

FOREWORD

The Northern Scientific Training Program (NSTP) is managed by the Department of Indian Affairs and Northern Development (DIAND) as part of its mandate to foster science and technology in the Canadian North. The Program's aim is to stimulate interest in northern studies, and provide opportunities for advanced and graduate students to obtain experience and professional training in the North.

This Annual Report provides an overview of Program activities, and a summary of the support for northern studies allocated to Canadian universities during 1997-1998. Please note that the information contained in the Annual Report does not provide details on the specific criteria employed in awarding training funds.

The report also summarizes the major events that shaped the NSTP in 1997. For example, the Fifth National Student Conference on Northern Studies was held November 28-30 at Simon Fraser University in British Columbia. The NSTP Secretariat also attended the annual meeting of the Association of Canadian Universities for Northern Studies (ACUNS), which took place in conjunction with the Students Conference.

In conclusion, I would like to thank the Program's Committee for their dedication and thoroughness during the Annual NSTP Allocation meeting held in February. Moreover, special recognition should be given to the NSTP Secretariat staff. Accordingly, I would like to thank Ms. Rhonda Turner and Ms. Julie Boucher-Savoie.

Sheilagh Murphy
A/Chairperson
Northern Scientific Training
Program Committee

PROGRAM OVERVIEW

PROGRAM DESCRIPTION

The purpose of the Northern Scientific Training Program (NSTP) is to support Canadian universities in providing training that gives advanced students professional experience in the Canadian North and encourages them to develop a commitment to northern work. The Program objective is to increase the number of graduate and other advanced students in Canadian universities who have specialized in some aspects of northern studies and who have northern research experience.

The Program achieves its objectives by encouraging the formation of multi-disciplinary focal points for northern studies within Canadian universities and providing supplementary financial assistance to universities for students to help offset the cost of specialized studies in the North. This assistance covers extra costs attributable to a northern research project which involves supervised field experience in the Canadian North. The NSTP also considers applications from students interested in undertaking research in other circumpolar countries (i.e. Greenland, Norway, Sweden, Finland, Russia and Alaska). It is an assistance program and because of its limited funds it cannot provide employment for students or on-going support in the form of general scholarships. NSTP funds must be used to defray transportation costs, living expenses, freight costs and interpreter fees.

PROGRAM ADMINISTRATION

The Training Program is managed by the Department of Indian Affairs and Northern Development. An intergovernmental committee is responsible for reviewing the applications and ensuring the effective use of funds provided to the universities by the Program. The participating universities are responsible for using the funds to assist advanced students in gaining supervised northern experience and training.

The Training Program Committee makes major Program policy decisions and all granting decisions. The members are appointed by the Deputy Minister of Indian Affairs and Northern Development. Participating universities are invited to help set direction for the Program at the annual meeting of the Association of Canadian Universities for Northern Studies, during visits to individual universities by the Program Secretariat, and on other occasions. This process facilitates annual Program refinements in response to changing needs and circumstances.

REPORT ON 1997-1998 ACTIVITIES

PROGRAM ACTIVITIES

In addition to on-going administrative tasks, including refinements to the Program Guidelines and the preparation of the Annual Report, the following points highlight the major activities coordinated by the Program Secretariat during 1997-1998.

NSTP Committee Membership

Presently, the NSTP Committee has 15 members, comprised of representatives from federal departments and agencies with an interest in northern scientific activities, the Association of Canadian Universities for Northern Studies, the Government of Yukon and the Aurora and Nunavut Research Institutes. Appendix I lists the membership of the Northern Scientific Training Program Committee during 1997-1998.

NSTP/Northern Studies Promotion

During the past year, the Program Secretariat continued to collaborate with the Association of Canadian Universities for Northern Studies in promoting the vital and growing role of universities in northern research, and the role of the NSTP in support of university development of scientific expertise in the North. New NSTP posters were produced and disseminated to all universities in September 1997.

Highlights of NSTP-related events for this year include the Fifth National Student Conference on Northern Studies, which was held on November 28-30, 1997 at Simon Fraser University in Vancouver, B.C. This conference brought together students involved in all aspects of northern studies to present their work to their peers and interact with other students and university faculties with similar and varied interests.

Internet

As of 1996, information on the Northern Scientific Training Program is available via the Internet. It is accessible through the publications link of the DIAND home-page. At this point, the Annual Report and the NSTP brochure are available. It is anticipated that the Bibliography and information manuals will also be available by fall 1998.

Annotated Bibliography of Publications Based on Research Supported by the NSTP

A Bibliography was produced for 1995 and 1996 publications, as this is now being done bi-annually. Information presented in the annual report will continue to provide an update on current research.

University Follow-Up

First, it is an established policy of this Program to provide each university with the specific comments arising from our Committee's assessment of applications under the NSTP. This on-going program follow-up with universities is achieved through correspondence, telephone contacts, and visits to individual universities by program management.

In 1997-1998, the usual format for providing feedback to the universities through correspondence and telephone contacts was maintained with the purpose being to provide each northern studies committee or institute with the NSTP Committee's reaction to its application. Two university visits were conducted in 1997.

OVERVIEW OF NSTP SUPPORT TO UNIVERSITIES DURING 1997-1998

With respect to a statistical overview of the Northern Scientific Training Program's 1997-1998 support to universities, the following briefly summarizes the information gleaned from reports by participating universities on their 1997 research year. The results are summarized in Tables 1 through 7, plus accompanying figures.

In 1997 a total of 29 universities listed in Appendix II undertook northern studies under this Program. The distribution of allocations under the Northern Scientific Training Program by university, 1962-63 to 1997-1998, found in Table 1 and Figure 1, indicates that during its 36 years of existence the Program's contribution to university training in northern studies has totalled \$16,699,840.

Table 1

DISTRIBUTION OF ALLOCATIONS UNDER THE NORTHERN SCIENTIFIC TRAINING PROGRAM BY UNIVERSITY, 1962-63 TO 1973-74

<i>UNIVERSITY</i>	<i>1962-63</i>	<i>1963-64</i>	<i>1964-65</i>	<i>1965-66</i>	<i>1966-67</i>	<i>1967-68</i>	<i>1968-69</i>	<i>1969-70</i>	<i>1970-71</i>	<i>1971-72</i>	<i>1972-73</i>	<i>1973-74</i>
<i>UNIVERSITY OF ALBERTA</i>	4,800	4,800	5,000	6,500	7,000	11,000	13,000	14,000	10,000	20,000	22,500	25,000
<i>BISHOP'S UNIVERSITY</i>	0	0	0	0	0	0	1,000	1,340	0	0	0	2,500
<i>UNIVERSITY OF BRITISH COLUMBIA</i>	1,500	4,000	12,000	15,000	22,500	27,000	27,500	27,500	22,000	30,000	32,500	35,000
<i>LAKEHEAD UNIVERSITY</i>	0	0	0	0	3,000	4,000	3,500	4,000	2,000	0	0	0
<i>UNIVERSITÉ LAVAL</i>	6,000	7,000	13,000	20,000	25,000	27,000	27,500	27,500	22,000	30,000	32,500	35,000
<i>UNIVERSITY OF MANITOBA</i>	1,500	1,500	5,000	8,000	16,000	20,000	22,500	23,000	21,000	27,500	32,500	35,000
<i>McGILL UNIVERSITY</i>	0	0	5,000	5,000	10,000	11,000	10,000	10,000	10,000	17,500	17,500	22,500
<i>McMASTER UNIVERSITY</i>	0	0	0	0	0	0	0	0	0	0	0	10,000
<i>MEMORIAL UNIVERSITY</i>	0	5,000	5,000	10,000	12,500	17,000	17,000	17,000	13,000	15,000	17,500	17,500
<i>UNIVERSITÉ DE MONTREAL</i>	0	0	0	3,000	10,000	10,000	8,000	9,500	8,000	10,000	10,000	10,000
<i>UNIVERSITY OF OTTAWA</i>	0	0	0	0	0	0	0	0	0	10,000	10,000	11,500
<i>UNIVERSITÉ DU QUEBEC A CHICOUTIMI</i>	0	0	0	0	0	0	0	0	0	0	6,000	10,000
<i>UNIVERSITY OF SASKATCHEWAN</i>	6,000	7,000	12,000	15,000	24,000	27,000	30,000	27,000	30,000	30,000	32,500	35,000
<i>ST-PAUL UNIVERSITY</i>	1,200	1,200	5,000	5,000	6,500	8,000	9,000	9,500	7,000	0	0	0
<i>UNIVERSITY OF TORONTO</i>	0	0	0	0	0	19,500	19,500	19,000	10,000	17,500	20,000	20,000
<i>UNIVERSITY OF WESTERN ONTARIO</i>	0	0	0	0	0	0	0	0	0	0	6,500	10,000
TOTAL	21,000	30,500	62,000	87,500	136,500	181,500	188,500	189,340	155,000	207,500	240,000	279,000

Table 1 (Cont'd)

DISTRIBUTION OF ALLOCATIONS UNDER THE NORTHERN SCIENTIFIC TRAINING PROGRAM BY UNIVERSITY, 1974-75 TO 1985-86

UNIVERSITY	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
UNIVERSITY OF ALBERTA	30,000	35,000	36,000	37,000	38,000	35,000	33,000	36,000	37,000	43,000	51,000	52,000
UNIVERSITY OF BRITISH COLUMBIA	37,000	32,000	33,000	34,000	33,000	28,000	26,000	29,000	29,000	29,000	25,000	26,000
UNIVERSITY OF CALGARY	0	0	0	0	0	5,000	10,000	16,000	21,000	28,000	30,000	31,000
CARLETON UNIVERSITY	0	0	0	0	8,000	10,000	15,000	20,000	24,500	32,000	43,000	46,000
UNIVERSITY OF GUELPH	0	0	0	0	0	0	0	0	0	15,000	19,000	25,000
LAKEHEAD UNIVERSITY	0	0	0	0	0	0	0	0	0	0	0	10,000
UNIVERSITÉ LAVAL	37,000	38,500	39,500	40,000	37,000	32,000	38,000	44,500	50,500	57,000	57,000	58,000
UNIVERSITY OF MANITOBA	37,000	38,500	39,500	40,000	35,000	31,000	31,000	36,000	41,500	41,500	48,000	35,000
McGILL UNIVERSITY	27,500	30,000	31,000	35,000	35,000	35,000	37,500	41,000	46,500	50,500	58,000	52,000
McMASTER UNIVERSITY	12,000	14,000	15,000	15,000	15,000	17,000	20,000	26,000	30,500	30,500	37,000	38,000
MEMORIAL UNIVERSITY	15,000	17,500	17,500	25,000	26,000	26,000	30,000	30,000	28,000	34,000	36,000	36,000
UNIVERSITÉ DE MONTREAL	8,000	12,000	12,500	13,000	13,000	10,000	15,000	13,000	21,500	21,500	28,000	34,000
UNIVERSITY OF NEW BRUNSWICK	0	0	0	0	0	0	0	0	0	10,000	12,500	18,000
UNIVERSITY OF OTTAWA	12,500	13,000	14,000	15,000	15,000	15,000	21,000	22,500	27,000	29,000	37,000	32,000
ÉCOLE POLYTECHNIQUE	10,000	10,000	10,500	12,000	15,000	18,000	26,000	28,500	30,000	28,000	0	2,000
UNIVERSITÉ DU QUEBEC A CHICOUTIMI	15,000	17,000	18,000	20,000	22,000	25,000	23,000	21,000	28,000	23,700	0	0
UNIVERSITÉ DU QUEBEC À MONTREAL	0	0	0	0	0	0	0	0	0	0	0	9,000
UNIVERSITÉ DU QUEBEC A TROIS-RIVIERES	0	0	0	0	0	0	0	10,500	16,000	19,000	22,000	15,000
QUEEN'S UNIVERSITY	0	0	0	7,000	7,000	5,000	0	11,000	18,000	22,000	36,000	45,000
UNIVERSITY OF REGINA	0	0	0	0	0	0	0	0	0	0	6,000	0
RYERSON POLYTECHNICAL INSTITUTE	0	0	0	0	0	0	0	0	0	5,000	20,000	25,000
UNIVERSITY OF SASKATCHEWAN	37,000	38,500	39,500	40,000	38,000	36,000	32,500	40,000	39,000	40,000	43,000	16,000
SIMON FRASER UNIVERSITY	0	0	0	0	0	0	0	0	0	2,300	11,000	11,000
UNIVERSITY OF TORONTO	20,000	17,000	17,000	18,000	22,000	25,000	22,000	28,000	36,000	46,000	55,000	57,000
TRENT UNIVERSITY	0	0	0	0	0	8,000	5,000	8,000	13,000	13,000	16,500	21,000
UNIVERSITY OF WATERLOO	0	0	0	0	6,000	8,000	8,000	16,000	21,000	23,000	30,000	35,000
UNIVERSITY OF WESTERN ONTARIO	12,000	12,000	13,000	14,000	13,000	11,000	11,000	16,000	22,000	24,000	28,000	18,000
UNIVERSITY OF WINDSOR	0	0	0	0	0	8,000	12,000	16,000	23,000	24,000	32,000	32,000
YORK UNIVERSITY	0	0	7,500	9,000	12,000	12,000	9,000	16,000	22,000	34,000	44,000	46,000
TOTAL	310,000	325,000	343,500	374,000	390,000	400,000	425,000	525,000	625,000	725,000	825,000	825,000

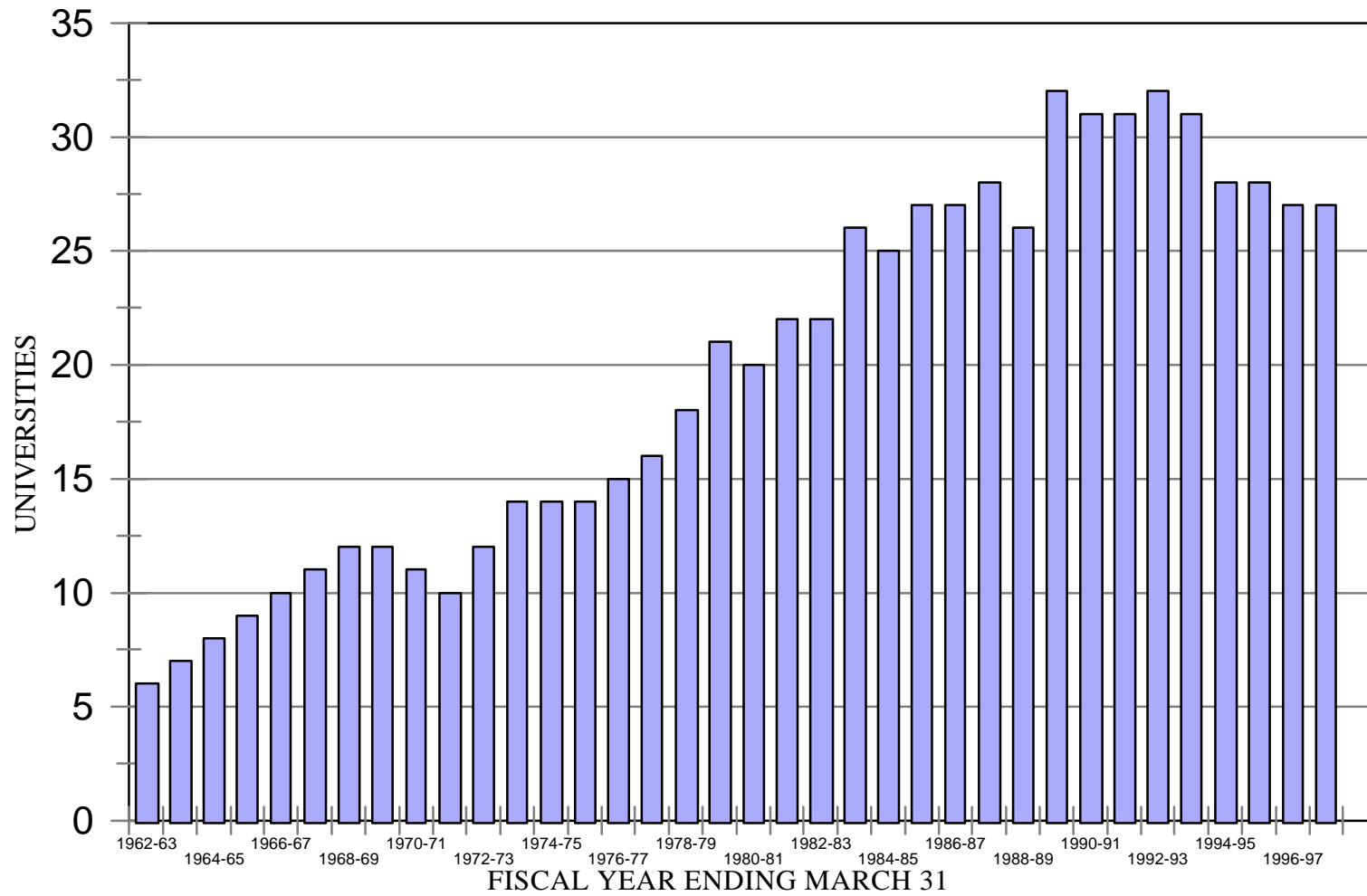
Table 1 (Cont'd)

DISTRIBUTION OF ALLOCATIONS UNDER THE NORTHERN SCIENTIFIC TRAINING PROGRAM BY UNIVERSITY, 1986-87 TO 1996-97

UNIVERSITY	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	TOTAL
UNIVERSITY OF ALBERTA	55,000	60,000	63,000	62,000	52,000	53,000	57,000	58,500	56,000	57,000	54,000	53,000	1,287,100
BISHOP'S UNIVERSITY	0	0	0	0	0	0	0	0	0	0	0	0	4,840
UNIVERSITY OF BRITISH COLUMBIA	13,500	27,000	37,000	33,000	32,000	37,000	42,000	47,000	49,000	49,400	53,000	46,500	1,083,900
UNIVERSITY OF CALGARY	36,000	33,000	32,000	34,000	36,000	38,000	40,000	39,000	42,000	36,100	33,000	30,000	570,100
CARLETON UNIVERSITY	49,500	46,000	45,000	34,000	32,000	31,500	28,000	30,500	25,500	19,000	21,000	18,500	579,000
CONCORDIA UNIVERSITY	3,000	0	0	3,700	4,000	2,000	4,000	500	1,000	500	6,000	8,000	32,700
DALHOUSIE UNIVERSITY	0	9,000	13,000	1,300	3,000	3,000	3,000	0	0	0	0	0	32,300
UNIVERSITY OF GUELPH	29,000	28,000	25,000	26,000	10,000	25,000	28,000	32,000	32,500	30,400	26,000	29,000	379,900
LAKEHEAD UNIVERSITY	9,500	8,000	0	8,000	12,000	13,000	12,000	2,000	0	0	0	5,500	96,500
LAURENTIAN UNIVERSITY	0	11,000	9,000	10,000	10,000	10,000	7,000	3,000	3,000	3,800	0	0	66,800
UNIVERSITÉ LAVAL	61,000	46,000	50,000	52,000	50,000	54,000	56,000	61,000	66,000	64,600	64,000	67,000	1,493,100
UNIVERSITY OF MANITOBA	19,000	19,000	27,000	30,000	32,000	31,000	26,000	28,000	27,000	25,200	18,000	12,000	961,700
McGILL UNIVERSITY	59,500	55,000	53,000	55,000	59,000	56,000	61,000	68,000	69,500	62,700	63,000	67,000	1,326,200
McMASTER UNIVERSITY	28,500	20,000	22,000	27,000	32,000	33,000	33,000	23,000	26,500	11,400	14,000	17,000	567,400
MEMORIAL UNIVERSITY	41,000	40,000	42,000	35,000	35,000	19,500	18,000	18,000	13,500	12,400	14,000	16,000	771,900
UNIVERSITÉ DE MONTREAL	35,000	30,000	29,000	33,000	32,000	29,000	27,000	26,000	19,500	11,400	11,000	6,000	568,900
UNIVERSITY OF NEW BRUNSWICK	12,000	9,000	0	3,000	6,000	4,000	4,000	2,500	0	0	0	0	81,000
UNIVERSITY OF NORTHERN B.C.	0	0	0	0	0	0	0	0	0	10,500	6,000	8,000	24,500
UNIVERSITY OF OTTAWA	32,000	22,000	24,000	18,500	25,000	24,000	26,000	29,500	30,000	27,600	25,000	23,000	591,100
ÉCOLE POLYTECHNIQUE	0	0	3,000	7,000	2,000	0	4,000	2,000	0	0	0	0	208,000
UNIV. DU QC ABITIBI TÉMISCAMINGUE	0	0	0	0	0	0	3,000	2,500	0	0	0	0	5,500
UNIVERSITÉ DU QUÉBEC À CHICOUTIMI	0	4,000	0	5,000	5,000	0	0	0	0	11,400	11,000	8,500	273,600
UNIVERSITÉ DU QUÉBEC À MONTRÉAL	10,500	9,000	13,000	4,000	6,000	5,000	8,000	8,500	11,000	15,700	16,000	13,500	129,200
UNIV. DU QUÉBEC À TROIS-RIVIÈRES	4,500	0	0	0	0	0	0	0	0	0	0	0	87,000
QUEEN'S UNIVERSITY	48,000	26,000	37,000	44,000	46,000	48,500	52,000	57,000	59,500	57,000	57,000	60,000	743,000
UNIVERSITY OF REGINA	0	0	0	0	0	0	0	0	0	0	0	0	6,000
RYERSON POLYTECHNICAL INSTITUTE	24,500	25,000	11,000	15,000	11,000	8,000	4,000	10,500	9,500	10,000	4,000	0	182,500
SAINT MARY'S UNIVERSITY	0	0	0	0	0	0	0	0	0	0	0	5,000	5,000
UNIVERSITY OF SASKATCHEWAN	30,500	35,000	28,000	33,000	32,000	31,000	24,000	24,000	30,000	28,500	28,000	28,500	1,067,500
SIMON FRASER UNIVERSITY	10,000	9,000	0	2,000	2,000	1,000	2,000	13,000	18,000	22,800	10,000	15,000	129,100
ST-PAUL UNIVERSITY	0	0	0	0	0	0	0	0	0	0	0	0	52,400
UNIVERSITY OF TORONTO	56,500	48,000	42,000	46,000	46,000	45,000	50,000	41,000	31,500	26,600	29,000	30,000	980,100
TRENT UNIVERSITY	22,500	19,000	20,000	14,000	19,000	22,000	24,000	29,000	29,000	25,700	19,000	21,500	349,200
UNIVERSITY OF VICTORIA	0	0	8,000	3,500	4,000	9,500	9,000	10,000	2,000	3,300	5,000	0	54,300
UNIVERSITY OF WATERLOO	40,000	23,000	29,000	27,000	30,000	31,000	27,000	30,500	35,000	32,800	30,000	13,000	495,300
UNIVERSITY OF WESTERN ONTARIO	21,500	26,000	29,000	22,000	23,000	24,000	29,000	34,000	26,000	28,500	30,000	9,500	513,000
WILFRID LAURIER UNIVERSITY	0	0	0	0	0	9,000	10,000	11,000	11,000	12,400	11,000	10,000	74,400
UNIVERSITY OF WINDSOR	26,000	21,000	23,000	23,000	21,000	15,000	0	5,500	3,000	0	0	0	284,500
YORK UNIVERSITY	47,000	40,000	34,000	37,000	39,000	34,000	30,000	1,000	13,000	14,300	15,000	15,000	530,800
YUKON COLLEGE	0	0	0	0	0	2,000	0	0	8,500	0	0	0	10,500
TOTAL	825,000	748,000	748,000	748,000	748,000	748,000	748,000	748,000	748,000	711,000	673,000	636,000	16,699,840

Figure 1

NORTHERN SCIENTIFIC TRAINING PROGRAM NUMBER OF UNIVERSITIES BY YEAR



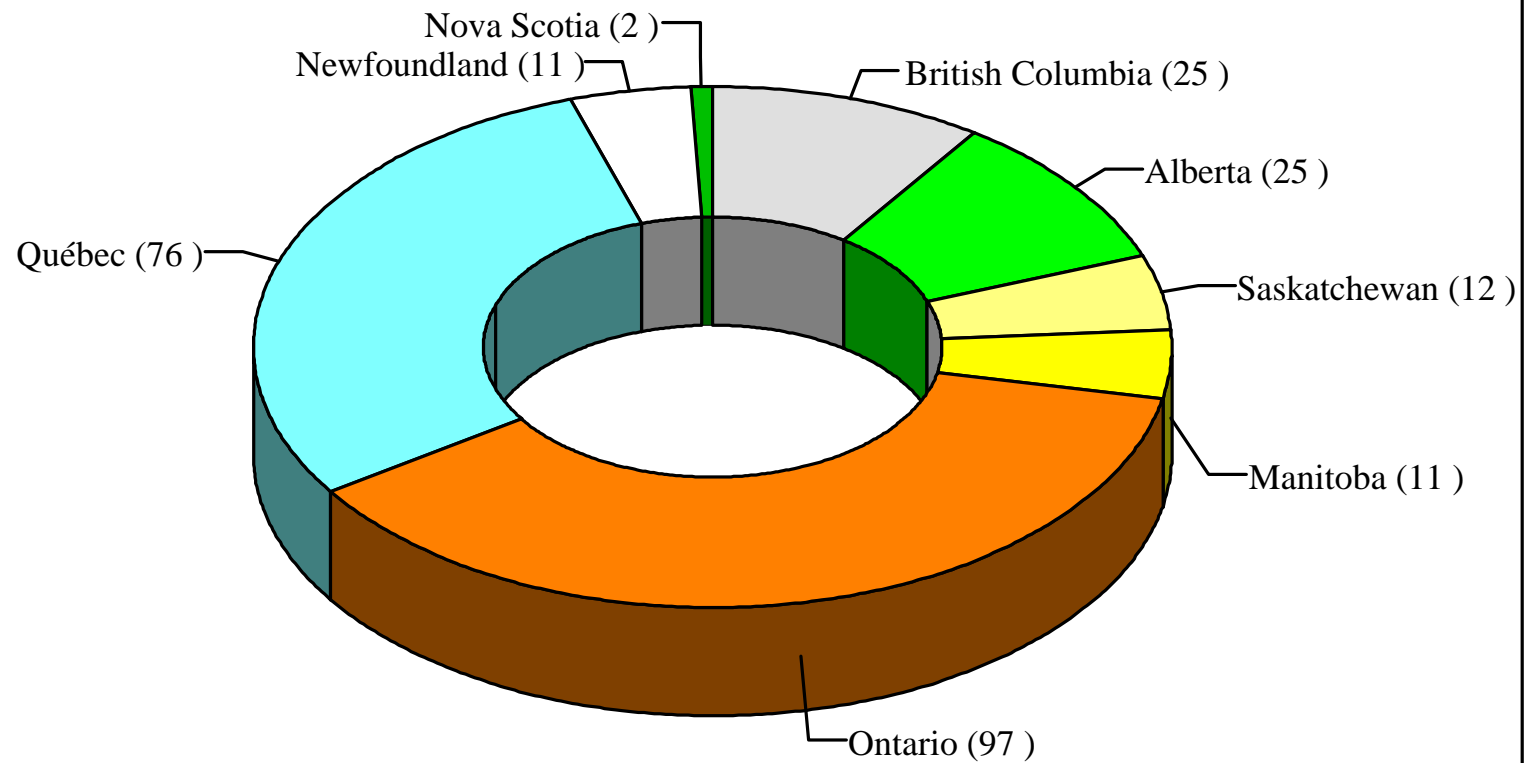
In Table 2 and Figures 2 and 2.1, a general overview of the distribution of NSTP funds by university for the 1997-1998 research year is provided, revealing that a total of 259 students from 27 universities were supported. The average amount of funds allocated per student was \$2,601.21 with the students spending an average of 55.0 days in the North, at an average cost of \$47.29 per student/day in the North.

Table 2

UNIVERSITY	Total Funds Allocated	Total Funds Spent/ Committed	Total Number of Students Supported	Average Funds Allocated per Student	Average Number of Days per Student in the North	Average Cost per Student/ Day in the North
1. University of Alberta	53,000.00	49,784.00	12	4,148.67	74.4	55.76
2. University of British Columbia	46,500.00	50,663.00	18	2,814.61	94.9	29.66
3. University of Calgary	30,000.00	31,412.59	13	2,416.35	47.7	50.66
4. Carleton University	18,500.00	14,803.92	5	2,960.78	51.4	57.60
5. Concordia University	8,000.00	9,424.50	5	1,884.90	50.4	37.40
6. University of Guelph	29,000.00	32,143.44	12	2,678.62	36.4	73.59
7. Lakehead University	5,500.00	5,307.00	2	2,653.50	30.5	87.00
8. Université Laval	67,000.00	70,000.00	29	2,413.79	54.6	44.21
9. University of Manitoba	12,000.00	23,764.33	11	2,160.39	33.4	64.68
10. McGill University	67,000.00	66,783.86	28	2,385.14	46.9	50.86
11. McMaster University	17,000.00	18,500.00	7	2,642.86	135.3	19.53
12. Memorial University	16,000.00	18,750.92	11	1,704.63	67.8	25.14
13. Université de Montréal	6,000.00	12,398.00	5	2,479.60	19.0	130.51
14. University of Northern B.C.	8,000.00	8,245.00	2	4,122.50	47.5	86.79
15. University of Ottawa	23,000.00	23,397.00	8	2,924.63	21.4	136.66
16. Univ. du Québec à Chicoutimi	8,500.00	8,380.02	3	2,793.34	10.7	261.06
17. Univ. du Québec à Montréal	13,500.00	13,500.00	6	2,250.00	41.8	53.83
18. Queen's University	60,000.00	60,000.00	19	3,157.89	33.7	93.71
19. Saint Mary's University	5,000.00	5,000.00	2	2,500.00	43.0	58.14
20. University of Saskatchewan	28,500.00	28,700.00	12	2,391.67	65.2	36.68
21. Simon Fraser University	15,000.00	15,000.00	5	3,000.00	50.2	59.76
22. University of Toronto	30,000.00	31,299.96	18	1,738.89	68.1	25.53
23. Trent University	21,500.00	21,071.71	9	2,341.30	29.8	78.57
24. University of Waterloo	13,000.00	22,840.00	5	4,568.00	88.2	51.79
25. University of Western Ontario	9,500.00	11,232.96	4	2,808.24	48.0	58.51
26. Wilfrid Laurier University	10,000.00	6,012.60	2	3,006.30	37.0	81.25
27. York University	15,000.00	15,298.00	6	2,549.67	75.2	33.91
TOTAL	\$ 636,000.00	\$ 673,712.81	259	\$ 2,601.21	55.0	\$ 47.29

Figure 2

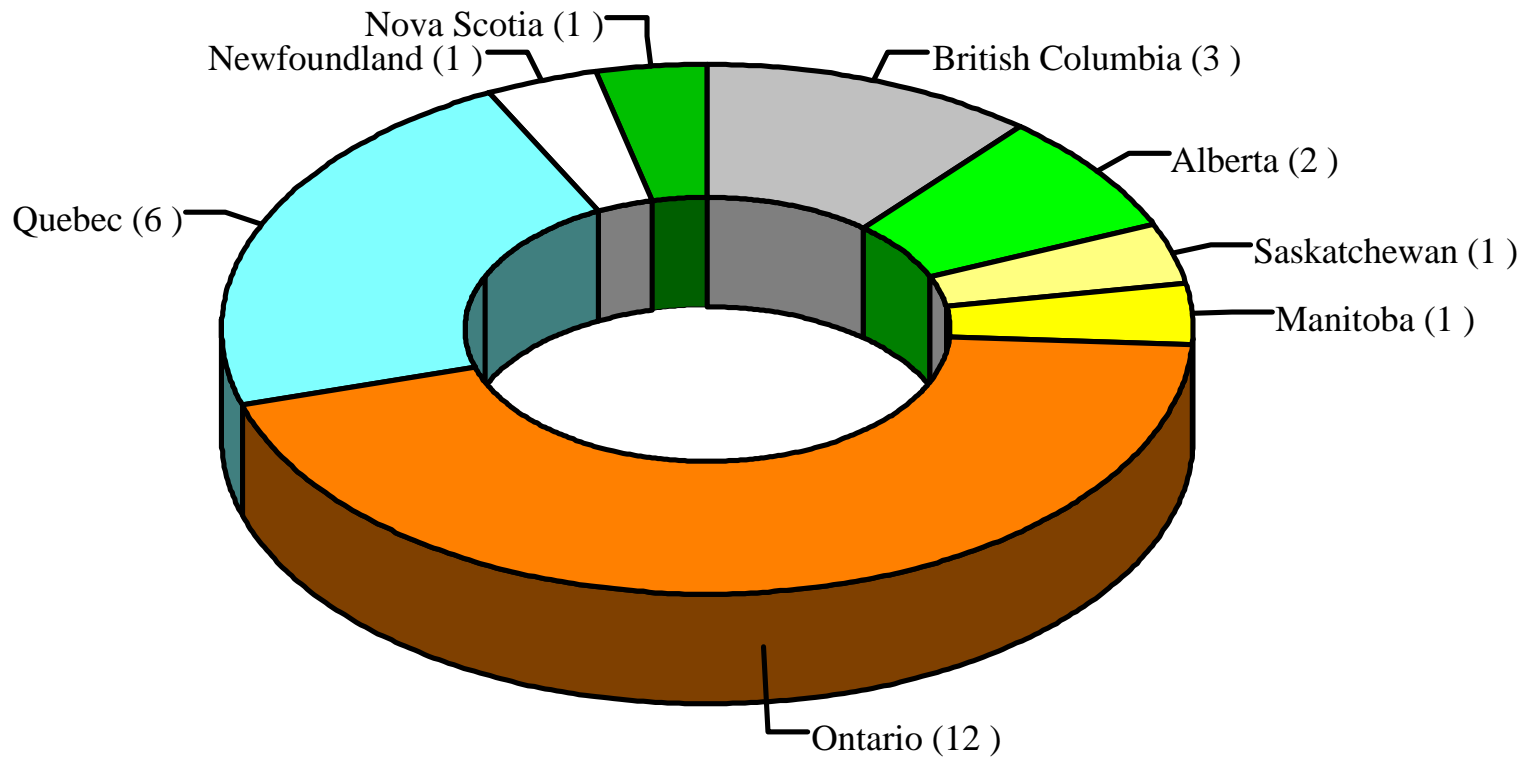
DISTRIBUTION OF STUDENTS SUPPORTED BY NSTP BY PROVINCE 1997-1998



TOTAL NUMBER OF STUDENTS: 259
AVERAGE FUNDS ALLOCATED PER STUDENT: \$2,601.21
AVERAGE NUMBER OF DAYS PER STUDENT IN THE NORTH: 55.0
AVERAGE COST PER STUDENT/DAY IN THE NORTH: 47.29

Figure 2.1

**DISTRIBUTION OF UNIVERSITIES
PARTICIPATING IN NSTP BY PROVINCE,
1997-1998**



TOTAL NUMBER OF UNIVERSITIES: 27
TOTAL FUNDS ALLOCATED: \$636,000

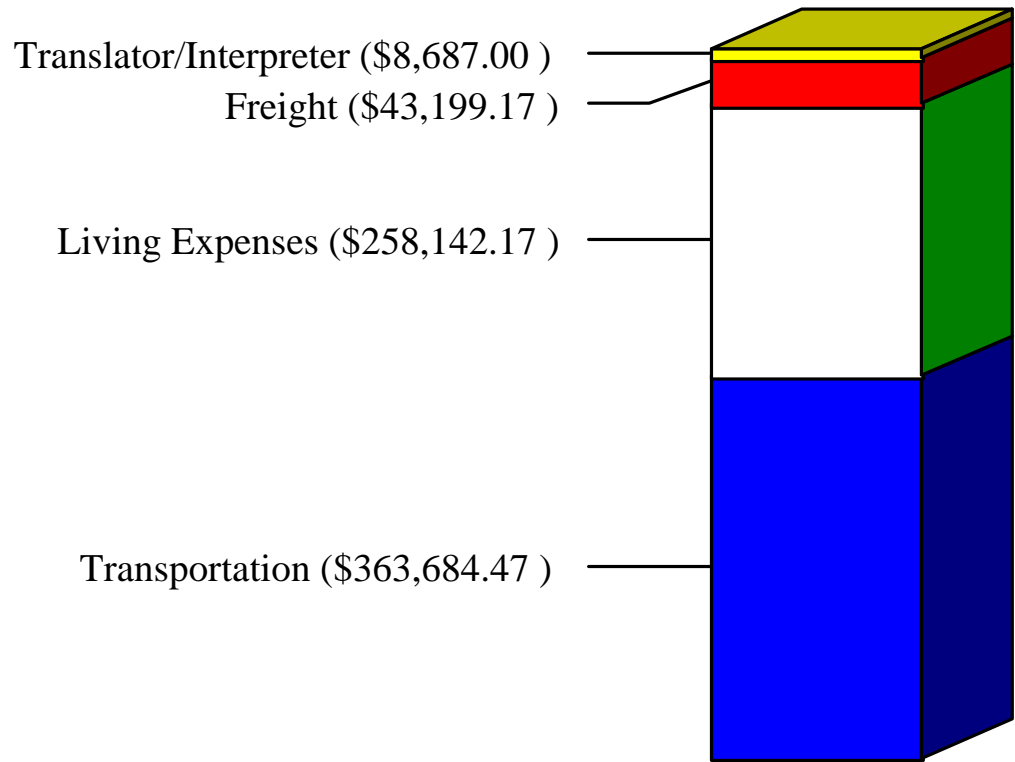
Northern Scientific Training funds were allocated toward defraying four types of support, as indicated in [Table 3](#) and [Figure 3](#). Student transportation expenditures predominated, followed by those for student living expenses, freight and interpreters.

Table 3

UNIVERSITY	TYPE OF SUPPORT				TOTAL FUNDS SPENT
	Student Transportation	Student Living Expenses	Freight	Translator/ Interpreter	
1. University of Alberta	\$ 27,479.00	20,495.00	1,710.00	100.00	49,784.00
	55.2%	41.2%	3.4%	0.2%	
2. University of British Columbia	\$ 20,133.00	25,652.00	4,878.00	0.00	50,663.00
	39.7%	50.6%	9.6%	0.0%	
3. University of Calgary	\$ 18,444.42	12,468.31	194.86	305.00	31,412.59
	58.7%	39.7%	0.6%	1.0%	
4. Carleton University	\$ 7,149.10	6,299.52	120.30	1,235.00	14,803.92
	48.3%	42.6%	0.8%	8.3%	
5. Concordia University	\$ 5,060.61	4,200.39	53.50	110.00	9,424.50
	53.7%	44.6%	0.6%	1.2%	
6. University of Guelph	\$ 18,869.69	12,576.22	697.53	0.00	32,143.44
	58.7%	39.1%	2.2%	0.0%	
7. Lakehead University	\$ 3,115.70	1,417.72	773.58	0.00	5,307.00
	58.7%	26.7%	14.6%	0.0%	
8. Université Laval	\$ 33,658.50	30,063.50	5,931.00	347.00	70,000.00
	48.1%	42.9%	8.5%	0.5%	
9. University of Manitoba	\$ 15,154.75	5,229.58	2,100.00	1,280.00	23,764.33
	63.8%	22.0%	8.8%	5.4%	
10. McGill University	\$ 36,034.86	28,908.00	1,191.00	650.00	66,783.86
	54.0%	43.3%	1.8%	1.0%	
11. McMaster University	\$ 7,107.31	9,572.68	820.01	1,000.00	18,500.00
	38.4%	51.7%	4.4%	5.4%	
12. Memorial University	\$ 11,395.92	6,305.00	1,050.00	0.00	18,750.92
	60.8%	33.6%	5.6%	0.0%	
13. Université de Montréal	\$ 8,475.00	3,274.00	649.00	0.00	12,398.00
	68.4%	26.4%	5.2%	0.0%	
14. University of Northern B.C.	\$ 5,050.00	3,170.00	0.00	25.00	8,245.00
	61.2%	38.4%	0.0%	0.3%	
15. University of Ottawa	\$ 14,856.69	7,454.51	1,035.80	50.00	23,397.00
	63.5%	31.9%	4.4%	0.2%	
16. Univ. du Québec à Chicoutimi	\$ 5,149.02	1,600.00	731.00	900.00	8,380.02
	61.4%	19.1%	8.7%	10.7%	
17. Univ. du Québec à Montréal	\$ 8,584.55	4,915.45	0.00	0.00	13,500.00
	63.6%	36.4%	0.0%	0.0%	
18. Queen's University	\$ 33,363.00	20,597.00	4,400.00	1,640.00	60,000.00
	55.6%	34.3%	7.3%	2.7%	
19. Saint Mary's University	\$ 2,774.00	2,092.00	134.00	0.00	5,000.00
	55.5%	41.8%	2.7%	0.0%	
20. University of Saskatchewan	\$ 17,145.00	9,355.00	2,200.00	0.00	28,700.00
	59.7%	32.6%	7.7%	0.0%	
21. Simon Fraser University	\$ 7,678.31	5,440.55	1,881.14	0.00	15,000.00
	51.2%	36.3%	12.5%	0.0%	
22. University of Toronto	\$ 19,102.96	8,296.00	3,601.00	300.00	31,299.96
	61.0%	26.5%	11.5%	1.0%	
23. Trent University	\$ 11,259.64	8,652.07	760.00	400.00	21,071.71
	53.4%	41.1%	3.6%	1.9%	
24. University of Waterloo	\$ 13,583.78	6,020.22	2,891.00	345.00	22,840.00
	59.5%	26.4%	12.7%	1.5%	
25. University of Western Ontario	\$ 5,736.56	2,754.80	2,741.60	0.00	11,232.96
	51.1%	24.5%	24.4%	0.0%	
26. Wilfrid Laurier University	\$ 2,707.50	2,940.10	365.00	0.00	6,012.60
	45.0%	48.9%	6.1%	0.0%	
27. York University	\$ 4,615.60	8,392.55	2,289.85	0.00	15,298.00
	30.2%	54.9%	15.0%	0.0%	
TOTAL	\$ 363,684.47	258,142.17	43,199.17	8,687.00	673,712.81
	54.0%	38.3%	6.4%	1.3%	

Figure 3

DISTRIBUTION OF NSTP FUNDS BY TYPE OF SUPPORT 1997-1998



TOTAL NSTP FUNDS SPENT = \$673,712.81

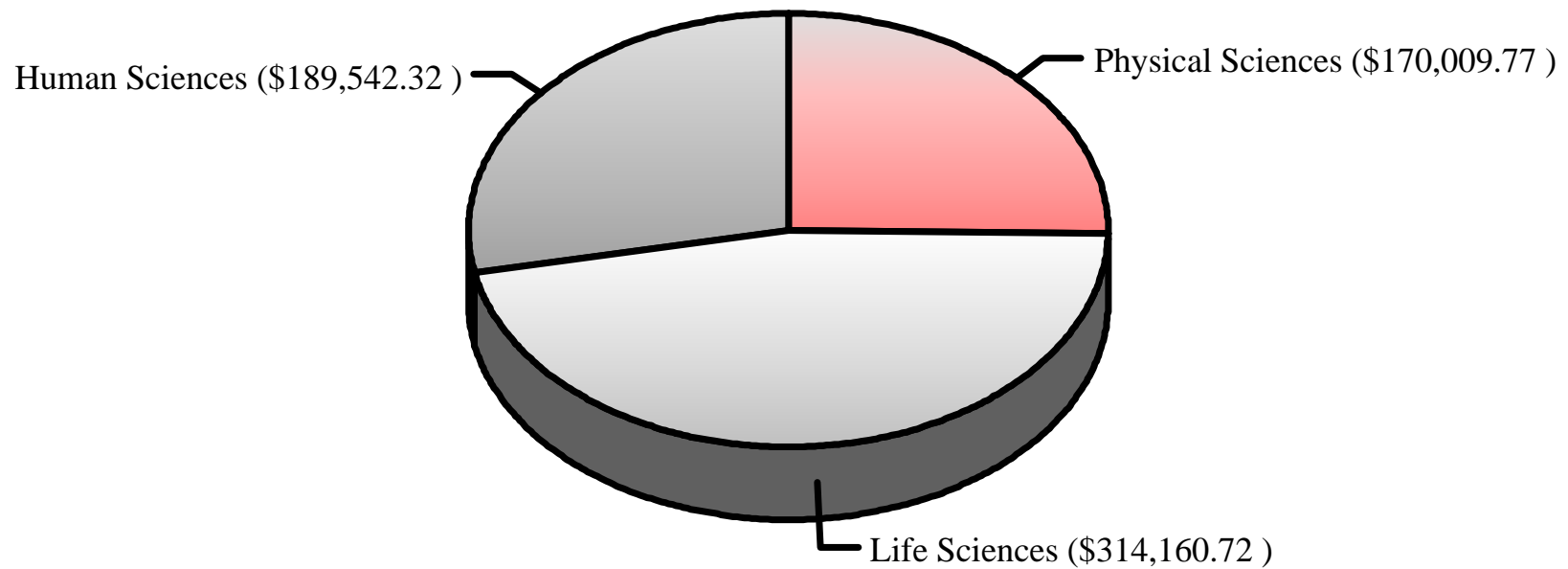
The information contained in [Table 4](#) and [Figure 4](#), entailing the distribution of Training funds by university and scientific field, reveals that projects in the life sciences predominated, representing 46.6 percent of the total, followed by the physical sciences at 25.2, and the human sciences at 28.1 percent.

Table 4

UNIVERSITY	SCIENTIFIC FIELD			TOTAL FUNDS SPENT
	Physical Sciences	Life Sciences	Human Sciences	
1. University of Alberta	\$ 7,536.00 15.1%	31,798.00 63.9%	10,450.00 21.0%	49,784.00
2. University of British Columbia	\$ 2,125.00 4.2%	48,538.00 95.8%	0.00 0.0%	50,663.00
3. University of Calgary	\$ 21,187.59 67.4%	5,225.00 16.6%	5,000.00 15.9%	31,412.59
4. Carleton University	\$ 4,303.92 29.1%	3,500.00 23.6%	7,000.00 47.3%	14,803.92
5. Concordia University	\$ 968.67 10.3%	0.00 0.0%	8,455.83 89.7%	9,424.50
6. University of Guelph	\$ 4,000.00 12.4%	20,138.44 62.7%	8,005.00 24.9%	32,143.44
7. Lakehead University	\$ 0.00 0.0%	3,607.00 68.0%	1,700.00 32.0%	5,307.00
8. Université Laval	\$ 25,775.00 36.8%	31,725.00 45.3%	12,500.00 17.9%	70,000.00
9. University of Manitoba	\$ 10,252.77 43.1%	6,860.01 28.9%	6,651.55 28.0%	23,764.33
10. McGill University	\$ 22,433.86 33.6%	10,550.00 15.8%	33,800.00 50.6%	66,783.86
11. McMaster University	\$ 13,418.00 72.5%	0.00 0.0%	5,082.00 27.5%	18,500.00
12. Memorial University	\$ 1,615.00 8.6%	8,315.00 44.3%	8,820.92 47.0%	18,750.92
13. Université de Montréal	\$ 6,000.00 48.4%	4,398.00 35.5%	2,000.00 16.1%	12,398.00
14. University of Northern B.C.	\$ 0.00 0.0%	0.00 0.0%	8,245.00 100.0%	8,245.00
15. University of Ottawa	\$ 13,542.00 57.9%	0.00 0.0%	9,855.00 42.1%	23,397.00
16. Univ. du Québec à Chicoutimi	\$ 0.00 0.0%	0.00 0.0%	8,380.02 100.0%	8,380.02
17. Univ. du Québec à Montréal	\$ 2,000.00 14.8%	11,500.00 85.2%	0.00 0.0%	13,500.00
18. Queen's University	\$ 4,000.00 6.7%	40,547.00 67.6%	15,453.00 25.8%	60,000.00
19. Saint Mary's University	\$ 0.00 0.0%	0.00 0.0%	5,000.00 100.0%	5,000.00
20. University of Saskatchewan	\$ 4,800.00 16.7%	23,900.00 83.3%	0.00 0.0%	28,700.00
21. Simon Fraser University	\$ 0.00 0.0%	12,300.00 82.0%	2,700.00 18.0%	15,000.00
22. University of Toronto	\$ 3,600.00 11.5%	21,699.96 69.3%	6,000.00 19.2%	31,299.96
23. Trent University	\$ 1,900.00 9.0%	9,421.71 44.7%	9,750.00 46.3%	21,071.71
24. University of Waterloo	\$ 0.00 0.0%	14,125.00 61.8%	8,715.00 38.2%	22,840.00
25. University of Western Ontario	\$ 11,232.96 100.0%	0.00 0.0%	0.00 0.0%	11,232.96
26. Wilfrid Laurier University	\$ 0.00 0.0%	6,012.60 100.0%	0.00 0.0%	6,012.60
27. York University	\$ 9,319.00 60.9%	0.00 0.0%	5,979.00 39.1%	15,298.00
TOTAL	\$ 170,009.77 25.2%	314,160.72 46.6%	189,542.32 28.1%	673,712.81

Figure 4

**DISTRIBUTION OF NSTP FUNDS
BY SCIENTIFIC FIELD
1997-1998**



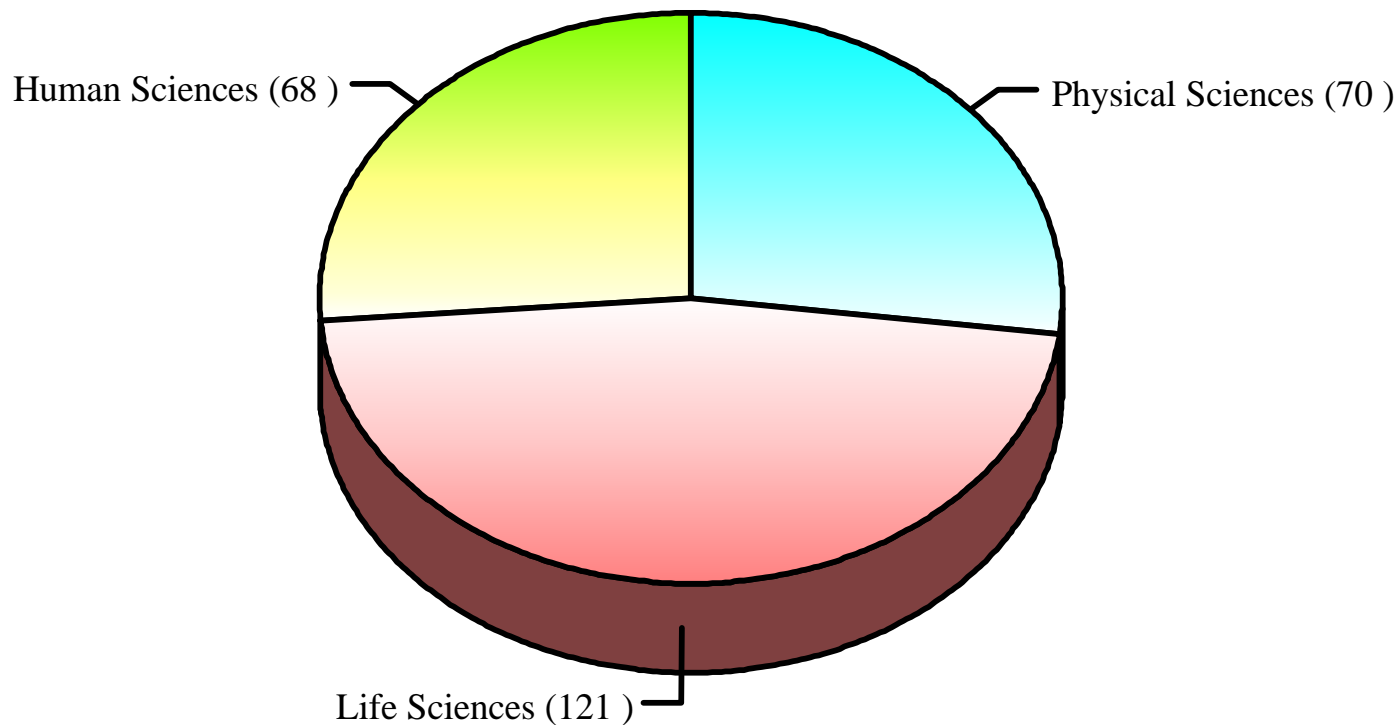
The distribution of NSTP supported students by university and scientific field, found in [Table 5](#) and [Figure 5](#), is analogous to the previous point in that students in the life sciences predominated at 121 (46.7 percent), followed by 70 (27.0 percent) in the physical sciences, and 68 (26.3 percent) in the human sciences.

Table 5

UNIVERSITY	SCIENTIFIC FIELD			TOTAL NUMBER OF STUDENTS	
	Physical Sciences	Life Sciences	Human Sciences		
1. University of Alberta	2	7	3	12	
2. University of British Columbia	1	17	0	18	
3. University of Calgary	9	3	1	13	
4. Carleton University	2	1	2	5	
5. Concordia University	1	0	4	5	
6. University of Guelph	2	8	2	12	
7. Lakehead University	0	1	1	2	
8. Université Laval	11	14	4	29	
9. University of Manitoba	4	4	3	11	
10. McGill University	10	4	14	28	
11. McMaster University	5	0	2	7	
12. Memorial University	1	6	4	11	
13. Université de Montréal	2	2	1	5	
14. University of Northern B.C.	0	0	2	2	
15. University of Ottawa	6	0	2	8	
16. Univ. du Québec à	0	0	3	3	
17. Univ. du Québec à Montréal	1	5	0	6	
18. Queen's University	1	14	4	19	
19. Saint Mary's University	0	0	2	2	
20. University of Saskatchewan	2	10	0	12	
21. Simon Fraser University	0	4	1	5	
22. University of Toronto	2	12	4	18	
23. Trent University	1	4	4	9	
24. University of Waterloo	0	3	2	5	
25. University of Western	4	0	0	4	
26. Wilfrid Laurier University	0	2	0	2	
27. York University	3	0	3	6	
TOTAL	N	70	121	68	259
		27.0%	46.7%	26.3%	

Figure 5

**DISTRIBUTION OF STUDENTS SUPPORTED BY
NSTP BY SCIENTIFIC FIELD
1997-1998**



TOTAL NUMBER OF STUDENTS: 259

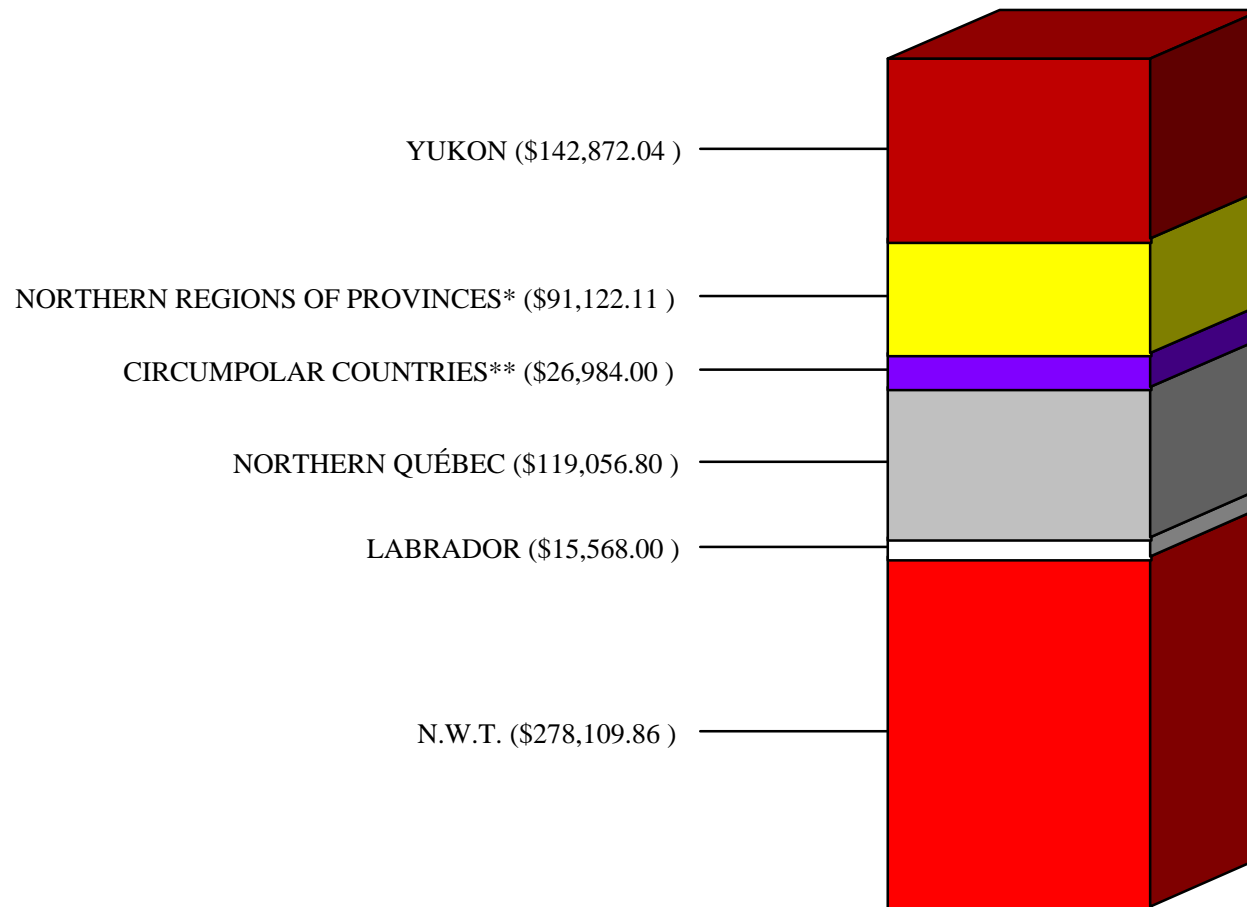
With respect to the distribution of NSTP funds by university and geographic focus, [Table 6](#) and [Figure 6](#) reveal that 62.5 percent of the projects were undertaken in the Northwest Territories (N.W.T.) and Yukon, with the N.W.T. predominating (41.3 percent), followed by Yukon (21.2 percent), Northern Québec, Northern regions of Canadian provinces (except Quebec), Circumpolar countries, and Labrador comprised the remaining distribution at 17.7 percent, 13.5 percent, 4.0 percent and 2.3 percent, respectively.

Table 6

UNIVERSITY	GEOGRAPHIC FOCUS					TOTAL FUNDS
	Northwest Territories	Yukon	Labrador	Northern Québec	Other	
1. University of Alberta	\$ 14,336.00 28.8%	12,243.00 24.6%	0.00 0.0%	0.00 0.0%	23,205.00 46.6%	49,784.00
2. University of British Columbia	\$ 14,798.00 29.2%	32,365.00 63.9%	0.00 0.0%	0.00 0.0%	3,500.00 6.9%	50,663.00
3. University of Calgary	\$ 13,500.00 43.0%	14,725.00 46.9%	0.00 0.0%	0.00 0.0%	3,187.59 10.1%	31,412.59
4. Carleton University	\$ 8,303.92 56.1%	6,500.00 43.9%	0.00 0.0%	0.00 0.0%	0.00 0.0%	14,803.92
5. Concordia University	\$ 7,955.83 84.4%	500.00 5.3%	0.00 0.0%	0.00 0.0%	968.67 10.3%	9,424.50
6. University of Guelph	\$ 14,500.00 45.1%	13,643.44 42.4%	0.00 0.0%	0.00 0.0%	4,000.00 12.4%	32,143.44
7. Lakehead University	\$ 3,607.00 68.0%	1,700.00 32.0%	0.00 0.0%	0.00 0.0%	0.00 0.0%	5,307.00
8. Université Laval	\$ 16,800.00 24.0%	0.00 0.0%	0.00 0.0%	49,100.00 70.1%	4,100.00 5.9%	70,000.00
9. University of Manitoba	\$ 14,573.53 61.3%	0.00 0.0%	0.00 0.0%	0.00 0.0%	9,190.80 38.7%	23,764.33
10. McGill University	\$ 37,721.00 56.5%	10,100.00 15.1%	0.00 0.0%	18,962.86 28.4%	0.00 0.0%	66,783.86
11. McMaster University	\$ 3,329.00 18.0%	5,549.00 30.0%	0.00 0.0%	1,000.00 5.4%	8,622.00 46.6%	18,500.00
12. Memorial University	\$ 3,230.00 17.2%	0.00 0.0%	7,575.00 40.4%	6,280.92 33.5%	1,665.00 8.9%	18,750.92
13. Université de Montréal	\$ 0.00 0.0%	0.00 0.0%	0.00 0.0%	12,398.00 100.0%	0.00 0.0%	12,398.00
14. University of Northern B.C.	\$ 3,145.00 38.1%	0.00 0.0%	0.00 0.0%	0.00 0.0%	5,100.00 61.9%	8,245.00
15. University of Ottawa	\$ 10,623.00 45.4%	12,774.00 54.6%	0.00 0.0%	0.00 0.0%	0.00 0.0%	23,397.00
16. Univ. du Québec à Chicoutimi	\$ 0.00 0.0%	0.00 0.0%	0.00 0.0%	8,380.02 100.0%	0.00 0.0%	8,380.02
17. Univ. du Québec à Montréal	\$ 7,500.00 55.6%	0.00 0.0%	0.00 0.0%	6,000.00 44.4%	0.00 0.0%	13,500.00
18. Queen's University	\$ 25,378.00 42.3%	8,470.00 14.1%	4,353.00 7.3%	3,760.00 6.3%	18,039.00 30.1%	60,000.00
19. Saint Mary's University	\$ 0.00 0.0%	5,000.00 100.0%	0.00 0.0%	0.00 0.0%	0.00 0.0%	5,000.00
20. University of Saskatchewan	\$ 24,200.00 84.3%	0.00 0.0%	0.00 0.0%	0.00 0.0%	4,500.00 15.7%	28,700.00
21. Simon Fraser University	\$ 9,800.00 65.3%	2,700.00 18.0%	0.00 0.0%	0.00 0.0%	2,500.00 16.7%	15,000.00
22. University of Toronto	\$ 7,918.26 25.3%	11,500.00 36.7%	0.00 0.0%	0.00 0.0%	11,881.70 38.0%	31,299.96
23. Trent University	\$ 11,994.36 56.9%	0.00 0.0%	0.00 0.0%	2,000.00 9.5%	7,077.35 33.6%	21,071.71
24. University of Waterloo	\$ 8,025.00 35.1%	0.00 0.0%	3,640.00 15.9%	11,175.00 48.9%	0.00 0.0%	22,840.00
25. University of Western Ontario	\$ 11,232.96 100.0%	0.00 0.0%	0.00 0.0%	0.00 0.0%	0.00 0.0%	11,232.96
26. Wilfrid Laurier University	\$ 3,000.00 49.9%	3,012.60 50.1%	0.00 0.0%	0.00 0.0%	0.00 0.0%	6,012.60
27. York University	\$ 2,639.00 17.3%	2,090.00 13.7%	0.00 0.0%	0.00 0.0%	10,569.00 69.1%	15,298.00
TOTAL	\$ 278,109.86 41.3%	142,872.04 21.2%	15,568.00 2.3%	119,056.80 17.7%	118,106.11 17.5%	673,712.81

Figure 6

DISTRIBUTION OF NST FUNDS BY GEOGRAPHIC FOCUS 1997-1998



* Includes British Columbia, Alberta, Saskatchewan, Manitoba and Ontario

** Includes Alaska, Greenland, Iceland, Norway, Sweden and Russia

Finally, [Table 7](#) and [Figure 7](#), showing the distribution of NSTP supported students by university and academic level, reveal that the majority of students were in a Master's program (49.4 percent), followed by undergraduates (27.8 percent) and doctoral candidates (22.8 percent).

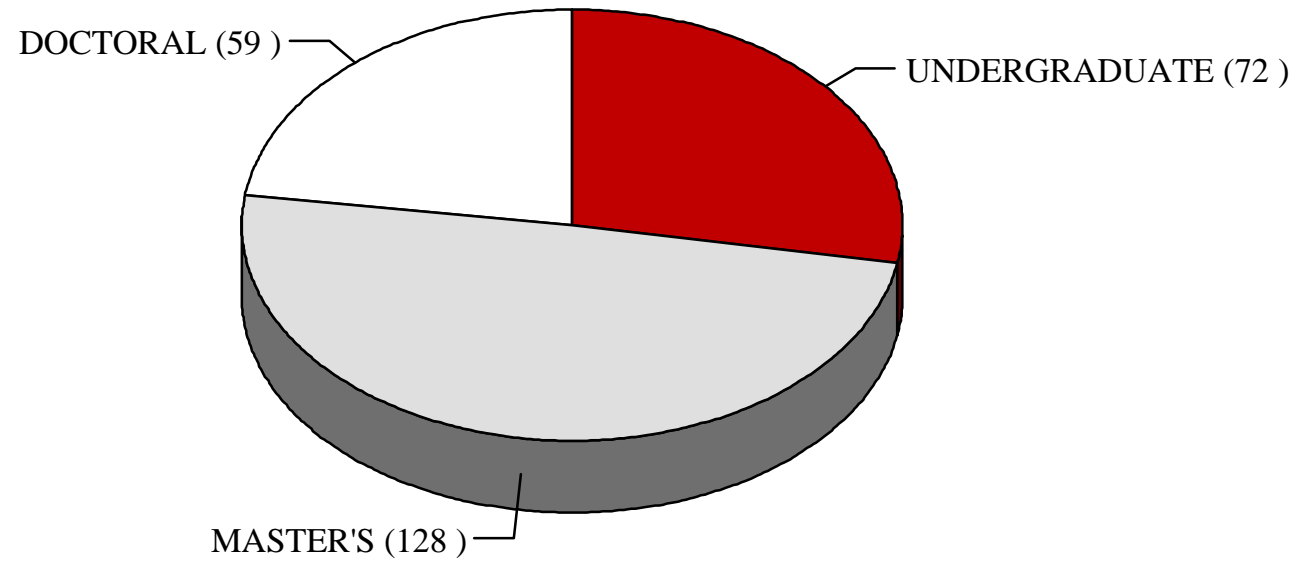
Table 7

<i>UNIVERSITY</i>	<i>STUDENTS ACADEMIC LEVEL</i>			<i>TOTAL</i>	
	<i>Undergraduate</i>	<i>Master's</i>	<i>Doctoral</i>		
<i>1. University of Alberta</i>	3	7	2	12	
<i>2. University of British Columbia</i>	9	5	4	18	
<i>3. University of Calgary</i>	2	6	5	13	
<i>4. Carleton University</i>	0	5	0	5	
<i>5. Concordia University</i>	3	2	0	5	
<i>6. University of Guelph</i>	1	10	1	12	
<i>7. Lakehead University</i>	1	1	0	2	
<i>8. Université Laval</i>	7	13	9	29	
<i>9. University of Manitoba</i>	1	5	5	11	
<i>10. McGill University</i>	8	18	2	28	
<i>11. McMaster University</i>	2	2	3	7	
<i>12. Memorial University</i>	5	4	2	11	
<i>13. Université de Montréal</i>	1	3	1	5	
<i>14. University of Northern B.C.</i>	1	1	0	2	
<i>15. University of Ottawa</i>	3	4	1	8	
<i>16. Univ. du Québec à Chicoutimi</i>	0	2	1	3	
<i>17. Univ. du Québec à Montréal</i>	0	3	3	6	
<i>18. Queen's University</i>	3	9	7	19	
<i>19. Saint Mary's University</i>	2	0	0	2	
<i>20. University of Saskatchewan</i>	2	6	4	12	
<i>21. Simon Fraser University</i>	1	3	1	5	
<i>22. University of Toronto</i>	6	7	5	18	
<i>23. Trent University</i>	5	3	1	9	
<i>24. University of Waterloo</i>	1	3	1	5	
<i>25. University of Western Ontario</i>	2	1	1	4	
<i>26. Wilfrid Laurier University</i>	0	2	0	2	
<i>27. York University</i>	3	3	0	6	
TOTAL	<i>N</i>	72	128	59	259
		27.8%	49.4%	22.8%	

For additional information, summaries of individual projects supported by the Program in 1997 by university are provided in Appendix III. These should prove to be a good point of reference for future collaboration in northern research between universities scholars, northern experts and residents of the North.

Figure 7

**DISTRIBUTION OF STUDENTS SUPPORTED BY
NSTP BY ACADEMIC LEVEL
1997-1998**



TOTAL NUMBER OF STUDENTS: 259

1998-1999 UNIVERSITY FUNDING REQUESTS

For 1998-1999, 31 universities requested \$1,119,051.36 in support of 306 students for an average allocation of \$3,657.03. Table 8 provides the distribution of the final allocations under the Northern Scientific Training Program by university for 1998-1999, totalling \$636,000 for 31 universities. The allocation of the Training funds by the Northern Scientific Training Program Committee was made on the basis of an in-depth assessment of each application according to the following criteria:

1. extent to which the application fits with Program criteria;
2. evaluation of past performance and up-coming plans; and
3. the training component of the application and the contribution to the development of northern specialists at the university.

In addition, the Committee considered the number of students supported by the Program in the previous year, the number of students proposed for funding in the upcoming year, and the general completeness and clarity of the information provided in each application.

Table 8

DISTRIBUTION OF FINAL ALLOCATIONS UNDER THE NORTHERN SCIENTIFIC TRAINING PROGRAM BY UNIVERSITY, 1998-1999.

UNIVERSITY	INSTITUTE/COMMITTEE FOR NORTHERN STUDIES	FINAL ALLOCATION
1. University of Alberta	Research Grants Committee	\$ 49,500.00
2. University of British Columbia	Polar and Alpine Committee	\$ 41,000.00
3. University of Calgary	Northern Studies Group	\$ 19,000.00
4. Carleton University	Northern Scientific Training Program Committee	\$ 15,500.00
5. Concordia University	Northern Studies Committee	\$ 7,500.00
6. University of Guelph	Northern Studies Committee	\$ 29,500.00
7. Lakehead University	Northern and Regional Studies Committee	\$ 5,000.00
8. Laurentian University	NSTP Committee	\$ 9,500.00
9. Université Laval	Centre d'études nordiques	\$ 74,500.00
10. University of Manitoba	Northern Studies Committee	\$ 21,500.00
11. McGill University	Northern Scientific Training Program	\$ 68,000.00
12. McMaster University	Committee on Northern Studies (CONS)	\$ 14,000.00
13. Memorial University	Northern Scientific Training Program Committee	\$ 15,000.00
14. Université de Montréal	Comité des études nordiques	\$ 4,000.00
15. Univ. of Northern British Columbia	UNBC NSTP Committee	\$ 9,000.00
16. University of Ottawa	Northern and Native Studies Group	\$ 17,000.00
17. Université du Québec à Chicoutimi	Comité ad hoc des études nordiques	\$ 8,500.00
18. Université du Québec à Montréal	Comité des études nordiques	\$ 13,500.00
19. Queen's University	Northern Studies Group	\$ 58,000.00
20. Ryerson Polytechnic University	Northern and Native Studies Committee	\$ 4,500.00
21. Saint Mary's University	SMU Arctic Research Committee	\$ 5,000.00
22. University of Saskatchewan	Committee on Northern Studies	\$ 32,000.00
23. Simon Fraser University	Northern Studies Committee	\$ 23,000.00
24. University of Toronto	Arctic Working Group	\$ 35,000.00
25. Trent University	Northern and Polar Studies Committee	\$ 23,000.00
26. University of Victoria	Northern Studies Group	\$ 3,000.00
27. University of Waterloo	President's Committee on Northern Studies	\$ 10,500.00
28. University of Western Ontario	Northern Research Committee	\$ 3,500.00
29. Wilfrid Laurier University	Northern Studies Committee	\$ 1,000.00
30. University of Windsor	Northern Studies Group	\$ 2,500.00
31. York University	President's Advisory Committee on Northern Studies	\$ 13,500.00
TOTAL		\$ 636,000.00

APPENDICES

I. NORTHERN SCIENTIFIC TRAINING PROGRAM
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1997-1998

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III. SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES
SUPPORTED BY THE NSTP
1997-1998

NOTE:

In cases where the total funds spent/committed exceed the total funds allocated, carryover dollars from the previous years were used.

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF ALBERTA - TOTAL FUNDS ALLOCATED \$53,000.00
 - TOTAL FUNDS SPENT COMMITTED \$49,784.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Anderson R.	2 nd year Master's	Life Sciences	Zoology	The effects of permafrost melt on woodland caribou habitat in northern Alberta.	Researcher	North of Red Earth Creek, Northern Alberta	Dr. S.A. Boutin	5,600.00
2. April, T.	2 nd year Master's	Life Sciences	Environmental Sciences/Ecology	The bioremediation potential of petroleum-degrading fungi native to flare pits.	Researcher	Norman Wells, N.W.T. (Imperial Oil Flare Pit site)	Dr. R.S. Currah	3,000.00
3. Boyer, G.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Red squirrel midden turnover rates on forest edge and forest interior.	Field Assistant	Kluane Lake, Yukon Territory	Dr. S.A. Boutin	3,843.00
4. Bright, M.A.	3 rd Year Master's	Human Sciences	Education	Dene graduates of community-based teacher education programs in the N.W.T.: Initial teaching experiences	Researcher	Rae-Edzo, Snare Lake, N.W.T.	Dr. L. Everitt-Turner	3,800.00
5. Brown, C.S.	4 th Year Undergraduate	Physical Sciences	Physical Geography	The growth response of dominant sub-arctic under storey species to wildland fire.	Field Assistant	Tulita (Fort Norman), N.W.T.	Dr. G.P. Kershaw	3,656.00
6. Colton, J.W.	3 rd Year Doctoral	Human Sciences	Tourism	Searching for native tourism: Sustainable native tourism development in the Caribou Mountains.	Researcher	Caribou Mountains, Northern Alberta	Dr. T. Hinch	3,750.00
7. Esdale, J.A.	4 th Year Undergraduate	Human Sciences	Archaeology	Geoarchaeological analysis of the Dog Creek Site, northern Yukon.	Field Assistant	Old Crow, Old Crow Flats, Yukon.	Dr. R. LeBlanc	2,900.00
8. Howland, K.L.	1 st Year Doctoral	Life Sciences	Zoology	Genetic differentiation among inconnu, <i>stenodus leuchichthys</i> , populations in the Mackenzie River system.	Researcher	Yukon River, Alaska	Dr. W.M. Tonn	3,880.00
9. Anderson J.E.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Survival and behaviour of juvenile red squirrels on forest edge and interior.	Researcher	Kluane Lake, Yukon	Dr. S.A. Boutin	5,500.00
10. Lesermann, J.E.	2 nd Year Master's	Physical Sciences	Physical Geography	Surface change and active-layer response to wildlife in an area of discontinuous permafrost.	Researcher	Tulita (Fort Norman), N.W.T.	Dr. G.P. Kershaw	3,880.00
11. Nowicki, S.	1 st Year Master's	Life Sciences	Zoology	Distribution and abundance of seal in western Hudson Bay.	Field Assistant	Western Hudson Bay	Dr. I. Stirling	3,100.00
12. Steinhilber, M.	2 nd Year Master's	Life Sciences	Zoology	Diversity and Taxonomy of Cisco (<i>Coregonus</i> spp.) In northeastern Alberta.	Researcher	Barrow Lake, Fort Smith, Northern Alberta	Dr. J.S. Nelson	6,875.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF BRITISH COLUMBIA - TOTAL FUNDS ALLOCATED \$46,500.00
 - TOTAL FUNDS SPENT COMMITTED \$50,663.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Hildes, D.	3 rd Year Doctoral	Physical Sciences	Physical Geography	In situ Observation of Subglacial physical and chemical processes.	Researcher	Trapridge Glacier, St. Elias Mountains, Yukon	Garry K.C. Clarke	2,125.00
2. England, J.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Sampling for retrospective analysis of growth and reproduction in <i>Cassiope tetragona</i> .	Field Assistant	Alexandra Fiord, Ellesmere Island, N.W.T.	Greg H.R. Henry	2,600.00
3. Griller, N.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Long-term recovery of plant communities after overgrazing by caribou and muskoxen.	Researcher	Cambridge Bay, Omingmaktuk (Bathurst Inlet) N.W.T.	Greg H.R. Henry	2,500.00
4. Newman, K.	3 rd Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Long-term recovery of plant communities after overgrazing by caribou and muskoxen: Effects on biomass allocation in <i>Salix</i> and <i>Betula</i> species.	Field Assistant	Cambridge Bay, Omingmaktuk (Bathurst Inlet) N.W.T.	Greg H.R. Henry	2,500.00
5. Svoboda, M.	3 rd Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Long-term effects of fertilization on High Arctic Plant Communities.	Field Assistant	Alexandra Fiord, Ellesmere Island, N.W.T.	Greg H.R. Henry	2,600.00
6. Hope, S.	2 nd Year Doctoral	Life Sciences	Forestry	Sustaining boreal white spruce forests in Saskatchewan.	Researcher	Buffalo Narrows, Cold Lake Air Weapons Range, Meadow Lake Prov. Park, Northern Saskatchewan	J.P. Kimmins	3,500.00
7. Carrier, P.	1 st Year Doctoral	Life Sciences	Environmental Sciences/Ecology	The effects of precipitation on soil and boreal forest ecology at Kluane Lake, Yukon.	Researcher	Kluane Lake, Yukon	Charles Krebs	3,024.00
8. Harms, E.	3 rd Year Master's	Life Sciences	Environmental Sciences/Ecology	The influence of Rainfall on three shrew species at Kluane Lake, Yukon.	Researcher	Kluane Lake, Yukon	Charles Krebs	3,024.00
9. Gillis, E.	3 rd Year Master's	Life Sciences	Environmental Sciences/Ecology	The role of food and predation on survival of Arctic ground squirrels.	Researcher	Kluane Lake, Yukon	Charles Krebs	3,024.00
10. Pepin, K.	3 rd Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Activity and habitat of Arctic ground squirrels.	Researcher	Kluane Lake, Yukon	Charles Krebs	3,024.00
11. McClarty, B.	3 rd Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Activity patterns of predation and prey at Walker Bay, N.W.T.	Researcher	Walker Bay on the Kent Peninsula, N.W.T.	A.R.E. Sinclair	2,403.00
12. Wilson, D.	4 th Year Doctoral	Life Sciences	Environmental Sciences/Ecology	The role of predation in structuring the herbivore community at Walker Bay, N.W.T.	Researcher	Walker Bay on the Kent Peninsula, N.W.T.	A.R.E. Sinclair	2,195.00
13. Hermant, S.H.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Comparison of habitat characteristics and indirect measures of red squirrel activity between forest edge and interior forest conditions.	Field Assistant	Kluane Lake, Yukon	James N.M. Smith	3,024.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
14. Pelech, S.	2 nd Year Master's	Life Sciences	Environmental Sciences/Ecology	Red squirrel habitat use and songbird nest searching behaviour in a fragmented boreal forest.	Researcher	Kluane Lake, Yukon	James N.M. Smith	3,024.00
15. Breen, K.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Field tests of Tilman's "Transient Dynamics" arguments.	Field Assistant	Kluane Lake, Yukon	Roy Turkington	3,024.00
16. Lortie, C.	1 st Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Does the intensity of competition change along a productivity gradient.	Researcher	Kluane Lake, Yukon	Roy Turkington	3,024.00
17. Seccombe-Hett, P.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Field tests of hare grazing preferences amongst herbaceous plants.	Researcher	Kluane Lake, Yukon	Roy Turkington	3,024.00
18. Frid, L.	3 rd Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Field tests of Tilman's "Transient Dynamics" arguments.	Field Assistant	Kluane Lake, Yukon	Roy Turkington	3,024.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF CALGARY - TOTAL FUNDS ALLOCATED \$30,000.00
 - TOTAL FUNDS SPENT COMMITTED \$31,412.59

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Adam, S.	2 nd Year Doctoral	Physical Sciences	Engineering	Self-organized critical behaviour in a northern delta.	Researcher	Fort Chipewyan, Northern Alberta	Dr. J.A.R. Blais	3,000.00
2. Clayton, D.	1 st Year Master's	Human Sciences	Human Geography	The incorporation of Gwich'in traditional environmental knowledge into a case-based reasoner assist in GIS analysis.	Researcher	Inuvik, N.W.T.	Dr. Nigel Waters	5,000.00
3. Pittaway, L.-A.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Management plan to reduce human-bear conflicts in Wekweti, N.W.T.	Researcher	Snare Lake, N.W.T.	Mike Robinson	2,500.00
4. Froese, D. (Winter Project)	1 st Year Doctoral	Physical Sciences	Physical Geography	Paleomagnetic and geomorphic history of the southern Klondike Goldfields (Indian River drainage).	Researcher	Dawson area	Dr. D.G. Smith	3,547.26
5. Hodder, D.N.	3 rd Year Doctoral	Physical Sciences	Geology	Structural geology and history of the southern Mackenzie and Franklin mountains, N.W.T.	Researcher	Fort Liard	Dr. A. Spratt	3,500.00
6. Pyc, C.D.	1 st Year Master's	Life Sciences	Resource Management	Maintaining sustainable moose populations in northern Alberta - A co-operative management strategy.	Researcher	Garden River, Northern Alberta	Mike Robinson	1,500.00
7. Rose, S.R.A.	2 nd Year Master's	Physical Sciences	Geology	Geology of the Lower Blue Fiord formation, Bathurst Island, N.W.T.	Researcher	Bathurst Island, N.W.T.	Ron J. Spencer	2,500.00
8. Wittebrood, T.E.	3 rd Year Undergraduate	Human Sciences	Art	Study of palsa-like features: Fox Lake Yukon.	Field Assistant	Fox Lake, Yukon	Dr. S.A. Harris	3,000.00
9. Weston, L.H.	1 st Year Master's	Physical Sciences	Physical Geography	Sedimentology and stratigraphy of Haggart Creek Placer deposits in the Mayo Mining District, Yukon.	Researcher	Mayo, Yukon	Dr. Fran Hein	3,000.00
10. Brown, B.	4 th Year Undergraduate	Life Sciences	Botany	Vegetation mapping in the Candidate Tombstone Mountain Territorial Park, S. Ogilvie Mountains, Yukon.	Field Assistant	Tombstone Mountains, Yukon	Dr. C. Gniesser	1,225.00
11. Clack, A.	1 st Year Master's	Physical Sciences	Physical Geography	Paleoclimate in northern Alberta from Lake Cores.	Researcher	Yukon	Dr. D.G. Smith	187.59
12. Beierle, B.	1 st Year Doctoral	Physical Sciences	Geography	Late pleistocene climatic history of western north America.	Researcher	McQuesten, Yukon	Dr. D.G. Smith	2,000.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF CARLETON - TOTAL FUNDS ALLOCATED \$18,500.00
 - TOTAL FUNDS SPENT COMMITTED \$14,803.92

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Adams, B.	1 st Year Master's	Physical Sciences	Physical Geography	Evaluating contaminant movement in permafrost using drilling mud-sumps.	Researcher	Mackenzie Delta, N.W.T.	M. Smith	1,303.92
2. Barber, J.	2 nd Year Master's	Human Sciences	History	Contemporary Inuit sculpture of the third generation.	Researcher	Clyde River, Cape Dorset, N.W.T.	K. Crossman	3,500.00
3. Kotler, E.	2 nd Year Master's	Physical Sciences	Geology	The nature and origin of muck deposits, Klondike District, Yukon.	Researcher	Klondike District, Yukon	C. Burn	3,000.00
4. Madjaric, V.	1 st Year Master's	Human Sciences	Geography	Traditional knowledge of the Aboriginal people and the sustainable use of the Porcupine Caribou herd.	Researcher	Old Crow, Yukon	I. Wallace	3,500.00
5. Allen, C. (Winter Project)	2 nd Year Master's	Human Sciences	Sociology	Dene drum as Dene Culture.	Researcher	Ywllowknife, N.W.T.	E. Keillor	3,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF CONCORDIA - TOTAL FUNDS ALLOCATED \$8,000.00
 - TOTAL FUNDS SPENT COMMITTED \$9,424.50

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Flynn, A.	4 th Year Undergraduate	Human Sciences	Political Science	The relationship between the Canadian justice system and traditional Inuit justice in Pond Inlet, N.W.T.	Researcher	Pond Inlet, N.W.T.	Marcel Danis	2,455.79
2. Adibpour, M.	4 th Year Undergraduate	Physical Sciences	Geology	The lithostructural relationship of meta-arkosic rocks of the McLannon Group of Trans-Hudson orogeny with central meta-volcanic belt and the McLean Lake gneisses in Reindeer Lake zone of northern Saskatchewan.	Field Assistant	Northern Saskatchewan	Judith Patterson	968.67
3. Mullick, N.S.	3 rd Year Master's	Human Sciences	Art	The Indian and Northern Affairs of Canada collection at the Prince of Wales Northern Heritage Center.	Researcher	N.W.T.	Joan Acland	2,950.00
4. White, L.-A.	4 th Year Undergraduate	Human Sciences	Human Geography	Nunavut Hunters Support Program; an evaluation of the early years.	Researcher	Nunavut, N.W.T.	C.G. Trott	2,550.04
5. Doiron, A.	1 st Year Master's	Human Sciences	Sociology	The effects of tourism on the quality of life in a remote communities: a case study on Dawson City, Yukon.	Researcher	Yukon	William Reimer	500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF GUELPH - TOTAL FUNDS ALLOCATED \$29,000.00
 - TOTAL FUNDS SPENT COMMITTED \$32,143.44

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Rowe, C.	1 st Year Master's	Life Sciences	Zoology	Genetic characterization of an Arctic freshwater zooplankton species - <i>Holopedium gibberum</i> .	Researcher	N.W.T.	P. Hebert	2,400.00
2. Witt, J.	2 nd Year Master's	Life Sciences	Zoology	A phylogeographic study of the copepod crustacean <i>Limnocalanus macrurus</i> .	Researcher	N.W.T., Yukon, Northern B.C. and Alberta	P. Hebert	2,400.00
3. Cox, A.	1 st Year Master's	Life Sciences	Zoology	Comparative biogeography of Arctic anostracans and cladocera.	Researcher	N.W.T.	P. Hebert	2,400.00
4. Rhydderch, J.	1 st Year Master's	Life Sciences	Zoology	Genetic Diversity in two species of <i>Salvelinus</i> , arctic char and dolly varden.	Researcher	N.W.T.	P. Hebert	1,800.00
5. Muller, K.	2 nd Year Doctoral	Life Sciences	Zoology	Comparison of the stream algae in two drainage basins of Victoria Island, N.W.T.	Researcher	N.W.T.	R. Sheath	2,000.00
6. Bystriansky, J.	1 st Year Master's	Life Sciences	Zoology	Salinity tolerance of Arctic char populations.	Researcher	Yukon	J. Ballantyne	3,319.22
7. Shahsavarani, A.	1 st Year Master's	Life Sciences	Zoology	Temperature affects on development of different Arctic char populations.	Researcher	Yukon	J. Ballantyne	3,319.22
8. Murphy, M.	1 st Year Master's	Physical Sciences	Environmental Sciences/Ecology	Characterizing seasonal hydrologic change in subarctic peatlands and predicting river ice breakup using radarsat data.	Researcher	Southwestern James Bay	P. Martini	1,497.42
9. Dumbrell, M.	2 nd Year Master's	Physical Sciences	Environmental Sciences/Ecology	A geotechnical analysis of the stratigraphic control on river bank failure in an area of discontinuous permafrost.	Researcher	Northern Ontario	P. Martini	2,502.58
10. Thomson, J.	1 st Year Master's	Human Sciences	Human Geography	The impact of land claim agreements on protected areas in the Yukon.	Researcher	Yukon	R. Kuhn	4,505.00
11. Bartleman, A.-P.	4 th Year Undergraduate	Life Sciences	Biology	Vegetation succession in a retrogressive thaw slump near Mayo, Yukon	Researcher	Yukon	K. Miyanishi	2,500.00
12. Zimmermann, D.	2 nd Year Master's	Human Sciences	Human Geography	The implications of community based planning on tourism product development: A case study of the Inuvialuit settlement region.	Researcher	N.W.T.	D. Reid	3,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF LAKEHEAD - TOTAL FUNDS ALLOCATED \$5,500.00
 - TOTAL FUNDS SPENT COMMITTED \$5,307.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Davidson, D.	3 rd Year Master's	Life Sciences	Environmental Sciences/Ecology	Coexistence of Arctic lemmings.	Researcher	N.W.T.	D.W. Morris	3,606.82
2. Bloom, R.	4 th Year Undergraduate	Human Sciences	Resource Mangement	Divergence and convergence of local and federal management systems: The case of Vuntut National Park.	Field Assistant	Yukon	R.J. Payne	1,700.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF MANITOBA - TOTAL FUNDS ALLOCATED \$12,000.00
 - TOTAL FUNDS SPENT COMMITTED \$23,764.33

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Drobot, S.	3 rd Year Master's	Physical Sciences	Physical Geography	Seasonal evolution of passive microwave signatures over snow covered first-year sea ice.	Researcher	Resolute Bay, N.W.T.	Dr. D.G. Barber	2,752.77
2. Egan, C.	4 th Year Doctoral	Human Sciences	Health	Perceptions of environmental health risks in the Arctic food chain.	Researcher	Coral Harbour, N.W.T.	John O'Neil	1,826.55
3. Hanesiak, J.M.	1 st Year Doctoral	Physical Sciences	Physical Geography	The use of remote sensing in a one-dimensional thermodynamic sea ice model.	Researcher	Wellington Channel, N.W.T.	Dr. D.G. Barber	2,500.00
4. Hannibal-Paci, C.	3 rd Year Doctoral	Human Sciences	Sociology	Traditional Cree knowledge of lake strurgeon on the Nelson River.	Researcher	York Landing, Norway House, Thompson, Northern Manitoba	F. Berkes	2,250.00
5. Iacozza, J.	3 rd Year Master's	Physical Sciences	Physical Geography	Snow distribution on sea ice.	Researcher	Wellington Channel, N.W.T.	Dr. D.G. Barber	2,500.00
6. Mathers, K.H.	1 st year Master's	Life Sciences	Environmental Sciences/Ecology	Microbeam and image analysis of otoliths a guide to fish behaviour and environmental chemistry.	Researcher	Eden Lake, Leaf Rapids, Northern Manitoba	Norman Halden	1,620.00
7. Nickels, B.	2 nd Year Master's	Human Sciences	Sociology	Embarking on a community-based participatory research project: the case of traditional moccasin products for commercial markets.	Researcher	Nelson House, Thompson, south Indian Lake, Northern Manitoba	Jill Oakes	2,575.00
8. Smith, P.J.	5 th Year Doctoral	Life Sciences	Health	A community-based approach to addressing vitamin D deficiency and rickets.	Researcher	Island lake: Garden Hill, St. Theresa Point, Norway House, Island Lake, Northern Manitoba	Dr. M.E.K. Moffatt	1,300.00
9. Thomas, T.	2 nd Year Master's	Life Sciences	Zoology	Habitat selection of bow-head whales (<i>Balaena mysticetus</i>) in northern Foxe Basin, N.W.T.	Researcher	Igloolik Island, N.W.T.	Dr. Susan Cosens	2,494.21
10. White, H.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Comparison of water beetles in natural and disturbed habitats of Churchill, Manitoba.	Researcher	Goose Creek Road, Twin Lakes Road, Churchill, Manitoba	Dr. R.E. Roughley	1,445.80
11. Yackel, J.	2 nd Year Doctoral	Physical Sciences	Physical Geography	On links between thermodynamics, electrical, mechanical and microwave scattering characteristics of snow covered landfast first-year sea ice.	Researcher	Wellington Channel, Resolute Bay, N.W.T.	Dr. D.G. Barber	2,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITÉ LAVAL - TOTAL FUNDS ALLOCATED \$67,000.00
 - TOTAL FUNDS SPENT COMMITTED \$70,000.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Béty, J.	1 st Year Doctoral	Life Sciences	Biology	Sélection du site et succès de nidification chez la grande oie des neiges.	Researcher	Bylot Island, N.W.T.	Gilles Gauthier	3,300.00
2. Lajeunesse, P.	2 nd Year Doctoral	Physical Sciences	Physical Geography	Sédimentation holocène et développement du pergélisol à la rivière Nastapoca côte est de la baie d'Hudson, Québec.	Researcher	Nastapoca River, Northern Québec	Michel Allard	3,000.00
3. Bujold, L. (Winter Project)	1 st Year Doctoral	Human Sciences	Anthropology	Le sens du suicide chez les jeunes Inuit du Nanavik.	Researcher	Quaqtaq (Nunavik), Northern Québec	Raymond Massé	2,239.00
4. Ménard, É.	3 rd Year Doctoral	Physical Sciences	Physical Geography	Le régime thermique des sols en milieu de pergélisol discontinu, Umiujaq, Hudsonie .	Researcher	Umiujaq, Northern Québec	Michel Allard	3,275.00
5. Bourcier, A.	1 st Year Doctoral	Human Sciences	Linguistics	Alphabétisation en langue ancestrale chez les Inuvialuit des T.N.-O.	Researcher	Univik, Aklavik, N.W.T.	Ronald Lowe	3,500.00
6. Gagné, J.-M.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Écologie comparée de la colonisation des dunes bordières de la plage du Camp Nord, Poste-de-la-Baleine, par <i>Eylymus mollis</i> et <i>Honckenya peploides</i> .	Researcher	Poste-de-la-Baleine, Northern Québec	Gilles Houle	2,625.00
7. Guay, J.-F.	1 st Year Doctoral	Physical Sciences	Physical Geography	Paléosols riverains et historique des fluctuations holocènes du niveau du lac Bienville, Québec nordique.	Researcher	Bienville Lake, Northern Québec	Yves Bégin	2,200.00
8. Sarrazin, D.	1 st Year Master's	Human Sciences	Human Geography	Caractérisation des formes pergélisolées dans la zone côtière à l'aide du géoradar Nastapoca, Québec subarctique.	Researcher	Nastapoca River, Northern Québec	Michel Allard	2,600.00
9. Lavoie, C.	1 st Year Master's	Physical Sciences	Physical Geography	Dynamique et faciès sédimentaire à l'embouchure de la rivière Nastapoca, Nouveau-Québec.	Researcher	Nastapoca River, Northern Québec	Michel Allard	2,600.00
10. Massé, H.	2 nd Year Master's	Life Sciences	Biology	Estimation de la capacité de support des différents écosystèmes humides de l'île Bylot, principal site de nidification de la grande oie des neiges.	Researcher	Bylot Island, N.W.T.	Gilles Gauthier	2,200.00
11. Leclerc, D.	1 st Year Master's	Life Sciences	Biology	L'effet du dérangement par les observateurs sur la prédation des nids d'oies blanches.	Researcher	Bylot Island, N.W.T.	Gilles Gauthier	2,600.00
12. Renaud, M.	1 st Year Master's	Life Sciences	Biology	L'effet des conditions abiotiques et de la date d'éclosion sur les pertes de chaleur des jeunes oies à l'île Bylot.	Researcher	Bylot Island, N.W.T.	Gilles Gauthier	2,600.00
13. Godbout, B.	1 st Year Master's	Life Sciences	Biology	Analyse au throcologique d'une tourbière près de Radisson en Jamésie Québec nordique.	Researcher	Radisson, Northern Québec	Yves Bégin	1,700.00
14. Pinard, C.	2 nd year Master's	Life Sciences	Resource Management	Analyse de la régénération potentielle et réalisée de l'épinette noire et du pin gris en fonction de l'âge des forêts.	Researcher	Radisson, Northern Québec	Luc Sirois	1,000.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
15. Temblay, J.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Les effets du surenneigement sur la croissance de l'épinette noire au réservoir Robert-Bourassa, Jamésie.	Researcher	Réservoir Robert-Bourassa, Northern Québec	Yves Bégin	1,700.00
16. Longuépée, H.	2 nd Year Master's	Physical Sciences	Physical Geography	Distribution des figures et faciès sédimentaires d'un delta en régression forcé; Grande-Rivière-de-la -Baleine, nouveau-Québec.	Researcher	Kuujjvarapik, Northern Québec	Philip Hill	2,200.00
17. Pitre, Nadia	2 nd Year Master's	Life Sciences	Biology	Inconnu	Researcher	Northern Manitoba	Claude Duguay	1,600.00
18. Simard, M.	3 rd Year Undergraduate	Life Sciences	Physical Geography	Effets climatiques du réservoir Robert-Bourassa.	Field Assistant	Réservoir Robert-Bourassa, Lac Bienville, Northern Québec	Yves Bégin	1,600.00
19. Lafrance, M.	3 rd Year Undergraduate	Life Sciences	Biology	Analyse macrofossile des tourbières subarctiques.	Field Assistant	Boniface River, Northern Québec.	Serge Payette	3,300.00
20. McKenna, M.	2 nd Year Doctoral	Life Sciences	Biology	Taux de croissance des espèces végétales en milieu dunaire.	Researcher	Whapmagoostui-Kuujjuaraapik, Northern Québec	Gilles Houle	1,800.00
22. Moreau, É.	3 rd Year Master's	Physical Sciences	Physical Geography	Développement des cônes de déjection en relation avec l'hydrologie nivale, lac Guillaume-Delisle (Québec nordique)	Researcher	Lac Guillaume-Delisle, Northern Québec	Louise Filion	2,200.00
23. Marcoux, K.	2 nd Year Undergraduate	Life Sciences	Physical Geography	Effets climatiques du réservoir Robert-Bourassa.	Field Assistant	Lac Bienville, Réservoir Robert-Bourassa, Northern Québec	Yves Bégin	1,600.00
24. Côté, G.	3 rd Year Undergraduate	Life Sciences	Biology	Effet du port d'un collier sur le comportement des femelles pendant l'élevage des jeunes chez l'oie des neiges.	Field Assistant	Bylot Island, N.W.T.	Gilles Gauthier	2,600.00
25. Beaudoin, S.	2 nd Year Undergraduate	Physical Sciences	Physical Geography	Débitage des falaises dolomitiques et impact sur les franges forestières, lac Guillaume-Delisle (Québec nordique).	Field Assistant	Lac Guillaume-Delisle, noorthern Québec	Louise Filion	2,200.00
26. Girard, N.	3 rd Year Undergraduate	Life Sciences	Biology	Microclimatologie du paysage subarctique.	Field Assistant	Boniface River, Northern Québec	Serge Payette	3,000.00
27. Belleau, A.	3 rd Year Undergraduate	Life Sciences	Biology	Conflits d'allocation de ressources chez l'aulne crispé en milieu nordique.	Field Assistant	Whapmagoostui-Kuujjuaraapik, Northern Québec	Gilles Houle	2,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF MCGILL - TOTAL FUNDS ALLOCATED \$67,000.00
 - TOTAL FUNDS SPENT COMMITTED \$66,783.86

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Boucher, S.	2 nd Year Master's	Life Sciences	Zoology	Zoogeography of flies (<i>Diptera</i>) in disjunct grasslands of the southern Yukon.	Researcher	Carcross, Yukon	Terry Wheeler	2,500.00
2. Couture, N.	1 st Year Master's	Physical Sciences	Physical Geography	An investigation of terrain sensitivity in the Eureka area, N.W.T.	Researcher	Ellesmere Island, N.W.T.	Wayne Pollard	2,021.00
3. Davis, C.	1 st Year Master's	Human Sciences	Resource Management	History of polar bear management on northern Baffin Island.	Researcher	Clyde River, Baffin Island	George Wenzel	2,000.00
4. Guertin, J.	4 th Year Undergraduate	Physical Sciences	Physical Geography	An investigation of subglacial meltwater channels in the Schefferville area of Nouveau Quebec.	Researcher	Schefferville, Northern Québec	Wayne Pollard	1,656.86
5. Lee, D.	2 nd Year Doctoral	Human Sciences	Human Geography	The cultural geography of Pond Inlet: A behavioural ecological analysis of narwhal hunting by Pond Inlet Inuit from the community of Pond Inlet.	Researcher	Pond Inlet, N.W.T.	George Wenzel	4,000.00
6. Lee, V.	1 st Year Master's	Human Sciences	Physical Geography	Assessing ecotourist satisfaction on southern Baffin Island.	Researcher	Iqaluit, N.W.T.	George Wenzel	1,500.00
7. Lemieux, V.	4 th Year Undergraduate	Human Sciences	Anthropology	Analysis of Ruin Islander Phase Thule artifacts.	Field Assistant	Yellowknife, N.W.T.	James Savelle	1,600.00
8. Mills, S.	4 th Year Undergraduate	Life Sciences	Botany	Differential infection of wetland <i>Carex</i> species by floral smut fungi.	Researcher	Schefferville and Chisasibi, Northern Québec	Marcia Waterway	2,050.00
9. Morrison, Z.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Plant species composition and diversity on a subarctic ridge.	Researcher	Schefferville, Northern Québec	Wayne Pollard	2,256.00
10. Omelon, C.	2 nd Year Master's	Physical Sciences	Physical Geography	A geochemical investigation of mineralized springs, Axel Heiberg Island, N.W.T.	Researcher	Axel Heiberg Island, N.W.T.	Wayne Pollard	3,500.00
11. Prodanou, A.	4 th Year Undergraduate	Human Sciences	Communications	The current status of First Nations broadcasting in the North: A case study of Northern Native Broadcasting, Yukon (NNBY).	Researcher	Dawson, Whitehorse, Yukon	Ludger Muller-Wille	2,000.00
12. Tagalik, S.	1 st Year Master's	Human Sciences	Education	Language beliefs as a factor influencing the quality of oral language spoken in Arviat, N.W.T.	Researcher	Arviat, N.W.T.	Lynn McAlpine	1,500.00
13. Woodley, S.	2 nd Year Undergraduate	Human Sciences	Physical Geography	Ecotourism development.	Researcher	Lake Harbour, N.W.T.	George Wenzel	1,000.00
14. Colt, D.	1 st Year Master's	Human Sciences	Communications	Faith in the North: the particular challenges of the Jewish community.	Researcher	Whitehorse, Yukon	Marianne Stenbaek	3,600.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
15. Allen, K.	1 st Year Master's	Human Sciences	Health/Medicine	Will repatriating healthcare services repatriate health?: Political and cultural constructions of health and identify in Nunavut.	Researcher	Iqaluit, N.W.T.	Allan Young	3,700.00
16. Corless, G.	1 st Year Master's	Human Sciences	Human Geography	Polar bear sports hunting: A case study of local socioeconomic impacts.	Researcher	Clyde River, N.W.T.	George Wenzel	1,500.00
17. Everette, D.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Carbon accumulation rates over the past 1200 years in discontinuously frozen peatlands.	Researcher	Whitehorse, Yukon	Wayne Pollard	2,500.00
18. Keith, D.	1 st Year Master's	Human Sciences	Human Geography	Historical reconstruction of Harvaqtuimiut cognized environment through place names.	Researcher	Baker Lake, N.W.T.	Ludger Muller-Wille	2,000.00
19. Salsberg, J.	2 nd Year Master's	Human Sciences	Anthropology	Hunting and income security among the Mushau Innu of Utshimassits, Labrador.	Researcher	Davis Inlet, N.W.T.	Colin Scott	5,390.00
20. Silva, M.	4 th Year Doctoral	Human Sciences	Education	Evaluating on-line learning in the North.	Researcher	Pond Inlet, N.W.T.	Kate Le Maistre	2,000.00
21. Tagalik, S.	2 nd Year Master's	Human Sciences	Linguistics	Arviat language research project.	Researcher	Arviat, N.W.T.	Lynn McAlpine	2,000.00
22. Wakeham, S.	2 nd Year Master's	Human Sciences	Education	Learning with computers: student perceptions from the Eastern Arctic.	Researcher	Baker Lake, N.W.T.	Robert Bracewell	2,000.00
23. Willows, N.	2 nd Year Doctoral	Life Sciences	Health/Medicine	Nutrition consumption and bone health among Arctic peoples.	Researcher	Ft. Good Hope, N.W.T.	Harriet Kuhnlein	2,000.00
24. Woodley, S.	2 nd Year Master's	Human Sciences	Human Geography	A review of sports polar bear hunting policy in eastern Nunavut.	Researcher	Iqaluit, N.W.T.	George Wenzel	1,000.00
25. Fiset, T.	1 st Year Master's	Physical Sciences	Physical Geography	Téledétection du couvert végétal; Schefferville, Québec.	Researcher	Schefferville, Northern Québec	Hardy Granberg	3,000.00
26. Gareau, D.	1 st Year Master's	Physical Sciences	Physical Geography	Facteurs climatiques influençant la croissance et la distribution des arbres; transect numérique de Schefferville.	Researcher	Schefferville, Northern Québec	Hardy Granberg	4,200.00
27. Labreque, S.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Cueillette de données multidisciplinaires sur les lichens et caractérisation de la croissance des arbres dans la région de Schefferville, Nouveau Québec.	Field Assistant	Schefferville, Northern Québec	Hardy Granberg	2,300.00
28. Lavoie, C.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Travaux sur le terrain dans le cadre du projet "Facteurs climatiques influençant la croissance et la distribution des arbres".	Field Assistant	Schefferville, Northern Québec	Hardy Granberg	2,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

MCMASTER UNIVERSITY - TOTAL FUNDS ALLOCATED \$17,000.00
 - TOTAL FUNDS SPENT COMMITTED \$18,500.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Abonyi, S.	3 rd Year Doctoral	Human Sciences	Anthropology	Cree perspectives in Moose Factory.	Researcher	Northern Ontario	Dr. Herring	4,082.00
2. Caret, S.	1 st Year Doctoral	Physical Sciences	Physical Geography	Hydrology of permafrost.	Researcher	Yukon	Dr. Woo	2,775.00
3. Griffis, T.	1 st Year Doctoral	Physical Sciences	Physical Geography	Measuring and modelling the carbon budget.	Researcher	Northern Manitoba	Dr. Rouse	3,125.00
4. Giesbrecht, M.	2 nd Year Master's	Physical Sciences	Physical Geography	Spatial aspects of snowmelt.	Researcher	Yukon	Dr. Woo	2,774.00
5. Petrone, R.	1 st Year Master's	Physical Sciences	Physical Geography	Comparative energy and water balances.	Researcher	Northern Manitoba, N.W.T.	Dr. Rouse	3,329.00
6. Williams, J.	3 rd Year Undergraduate	Human Sciences	Anthropology	Political ecology of James Bay Cree.	Field Assistant	Yukon	Dr. Feit	1,000.00
7. Rolph, S.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Impacts of fertilization in a subarctic fen.	Researcher	Northern Manitoba	Dr. Rouse	1,415.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

MEMORIAL UNIVERSITY - TOTAL FUNDS ALLOCATED \$16,000.00
 - TOTAL FUNDS SPENT COMMITTED \$18,750.92

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Baillie, S.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Diet and foraging ecology of Atlantic puffin.	Researcher	Gannet Islands, Hamilton Inlet, Labrador	I. Jones	1,240.00
2. Cowen, L.	4 th Year Undergraduate	Life Sciences	Zoology	Behavioural ecology of seabirds at Buldir Island, Aleutian Islands.	Field Assistant	Buldir Island Aleutian Islands, Alaska	I. Jones	1,665.00
3. Evans, L.	4 th Year Undergraduate	Life Sciences	Biology	A preliminary investigation into the <i>Echinococcus</i> spp. and <i>Sarcocystis</i> spp. in wolves and caribou.	Researcher	Hopedale, Makkovik, Labrador	R. Khan	1,240.00
4. Farid, E.	1 st Year Master's	Human Sciences	Archaeology	Spatial analysis of a thule winter house structure.	Researcher	Kangirsujuak, Nunavik, Northern Québec	M.A.P. Renouf	1,891.23
5. Hipfner, M.	1 st Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Egg size and composition and patterns of post-hatching development in the <i>Alcidae</i> .	Researcher	Gannet Islands, Labrador	I. Jones	1,240.00
6. Janes, J.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Examination of stream discharge adjacent to Barnes Ice cap.	Researcher	Gee Lake area (southeast of Barnes Ice Cap), N.W.T.	J. Jacobs	1,615.00
7. Morris, O.	1 st Year Master's	Physical Sciences	Environmental Sciences/Ecology	Vegetation studies adjacent to Barnes Ice Cap, Baffin Island, N.W.T.	Researcher	Gee Lake area (southeast of Barnes Ice Cap), N.W.T.	J. Jacobs	1,615.00
8. Orchard, T.	1 st Year Master's	Human Sciences	Anthropology	Between two worlds?: an exploration of Naskapi youth identity.	Researcher	Kawawachikamach, Northern Québec	A. Tanner	2,490.00
9. Rowe, S.	4 th Year Undergraduate	Life Sciences	Zoology	Seabirds research as the Gannet Islands, Labrador.	Researcher	Gannet Islands, Labrador	I. Jones	1,315.00
10. Ryan, K.	4 th Year Undergraduate	Human Sciences	Archaeology	Researching the pre-Dorset cultures of northern Nunavik, Québec.	Field Assistant	Kangirsujuak, Nunavik, Northern Québec	M.A.P. Renouf	1,899.69

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITÉ DE MONTRÉAL - TOTAL FUNDS ALLOCATED \$6,000.00
 - TOTAL FUNDS SPENT COMMITTED \$12,398.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Fletcher, C.	2 nd Year Doctoral	Human Sciences	Anthropology	Contemporary healing movements in northern Québec.	Researcher	Northern Québec	Gilles Bibeau	2,000.00
2. Fortin, C.	1 st Year Master's	Life Sciences	Veterinary Medicine	Problématique du mercure chez les animaux à fourrure du Grand Nord Québécois.	Researcher	Northern Québec	Denise Bélanger	2,398.00
3. Robillard, S.	1 st Year Master's	Life Sciences	Veterinary Medicine	Analyse spatio-temporelle et détermination du risque, chez le peuple Inuit, associé à des niveaux de métaux lourds et de radio-éléments dans les tissus de caribous du Nouveau-Québec.	Researcher	Northern Québec	Denise Bélanger	2,000.00
4. Gray, A.	3 rd Year Undergraduate	Physical Sciences	Physical Geography	La différenciation altitudinale des paysages glaciaires du secteur N.-O. des Monts Torngats.	Field Assistant	Northern Québec	James Gray	2,000.00
5. Decker, V.	1 st Year Master's	Physical Sciences	Physical Geography	Géomorphologie glaciaire de la côte nord-est de la Baie d'ungava: secteur d'Abloviak.	Researcher	Northern Québec	James Gray	4,000.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF NORTHERN BRITISH COLUMBIA - TOTAL FUNDS ALLOCATED \$8,000.00
 - TOTAL FUNDS SPENT COMMITTED \$8,245.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Forrest, S.	1 st Year Master's	Human Sciences	Sociology	Social and economic indicators in Pond Inlet.	Researcher	N.W.T.	Heather Myers	3,145.00
2. Wilson, L. (Winter Project)	4 th Year Undergraduate	Human Sciences	Sociology	Legislation affecting indigenous access to plant resources in the Russian federation.	Researcher	Siberia	Gail Fondahl	5,100.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF OTTAWA - TOTAL FUNDS ALLOCATED \$23,000.00
 - TOTAL FUNDS SPENT COMMITTED \$23,397.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Deschamps, E.	1 st Year Master's	Physical Sciences	Physical Geography	Étude géoarchéologique en milieu périglaciaire.	Researcher	Yukon	Bernard Lauriol	2,000.00
2. Lacourse, T.	1 st Year Master's	Physical Sciences	Physical Geography	Post-glacial environmental and vegetation history from Sulphur Lake.	Researcher	Yukon	Konrad Gajewski	2,500.00
3. Marshner, M.	3 rd Year Undergraduate	Physical Sciences	Geology	Groundwater geochemistry in the Fish Hole Creek Watershed.	Field Assistant	N.W.T.	Ian Clark	2,000.00
4. Viau, A.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Reconstruction paléoenvironnementale et climatique de la région du Lac Hungry.	Field Assistant	Yukon	Peter Johnson	2,172.00
5. Martelock, H.	2 nd Year Master's	Human Sciences	Sociology	Artist to Christian Church Discourse in Inuit communities.	Researcher	N.W.T.	Marie-France Guédon	5,753.00
6. Dufresne, L.	1 st Year Doctoral	Human Sciences	Sociology	Self definition and self display of northern communities through cultural centres and museums (Part III).	Researcher	Yukon	Marie-France Guédon	4,102.00
7. Raymond, E.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Etude des dépôts de marme Lac Keyhole, Yukon.	Researcher	Yukon	Peter Johnson	2,000.00
8. Clarke, S.	2 nd Year Master's	Physical Sciences	Physical Geography	Experimental study of the effects of climate change on solifluction, Hot Weather Creek Ellesmere Island.	Researcher	N.W.T.	A.G. Lewkowicz	2,870.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITÉ DU QUÉBEC À CHICOUTIMI - TOTAL FUNDS ALLOCATED \$8,500.00
 - TOTAL FUNDS SPENT COMMITTED \$8,380.02

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Després, M.	2 nd Year Master's	Human Sciences	Arts	Intervention environnementale au cratère du Nouveau-Québec.	Researcher	Northern Québec	Denys Tremblay	1,444.02
2. Paré, S.	2 nd Year Doctoral	Human Sciences	Education	Désign et culture matérielle.	Researcher	Northern Québec	Élisabeth Kaine	3,509.00
3. Lavoie, D.	3 rd Year Master's	Human Sciences	Anthropology	Désign et culture matérielle.	Researcher	Northern Québec	Élisabeth Kaine	3,427.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITÉ DU QUÉBEC À MONTRÉAL - TOTAL FUNDS ALLOCATED \$13,500.00
 - TOTAL FUNDS SPENT COMMITTED \$13,500.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Barrette, N.	4 th Year Doctoral	Physical Sciences	Physical Geography	Modélisation des émissions de gaz à effet de serre à la surface des réservoirs hydroélectriques.	Researcher	Northern Québec	René Laprise	2,000.00
2. Demers, F.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Fidélité chez les couples de grandes oies blanches.	Researcher	N.W.T.	Jean-François Giroux	2,500.00
3. Duchemin, É.	2 nd Year Doctoral	Physical Sciences	Physical Geography	Caractérisation de la matière organique responsable des flux d'émission de gaz à effet de serre depuis les réservoirs hydroélectriques en milieu boréal.	Researcher	Northern Québec	Marc Lucotte	2,000.00
4. Montgomery, S.	3 rd Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Transfert du méthylmercure dans la chaîne alimentaire planctonique des réservoirs hydroélectriques et des lacs naturels du moyen Nord québécois.	Researcher	Northern Québec	Marc Lucotte	2,000.00
5. Pagliarulo, M.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Les effets immunotoxiques des organochlorés sur les ours polaires.	Researcher	N.W.T.	Michel Fournier	2,500.00
6. Polier, Y.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Capture et marquage d'oies blanches pour le suivi de la migration automnale.	Researcher	N.W.T.	Jean-François Giroux	2,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

QUEEN'S UNIVERSITY - TOTAL FUNDS ALLOCATED \$60,000.00
 - TOTAL FUNDS SPENT COMMITTED \$60,000.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Dupuis, M.	3 rd Year Doctoral	Human Sciences	Human Geography	Antimodernism, gender and place in the Inuit art world.	Researcher	N.W.T.	E. Peters	4,800.00
2. Elvy, J.	1 st Year Master's	Human Sciences	Education	Evaluation of expirmental education program.	Researcher	N.W.T.	W. Higginson	2,540.00
3. Gregory-Eaves, I.	2 nd Year Master's	Life Sciences	Environmental Sciences/Ecology	The development of diatom-based inference models and autoecological data for interpreting past climate and environmental changes in Alaska.	Researcher	Alaska	J. Smol	2,495.00
4. Griffin, S.	2 nd Year Master's	Life Sciences	Biology	Microsatellite variation in the muskox, <i>Ovibos moschatus</i> .	Field Assistant	N.W.T.	P. Boag	3,000.00
5. Holder, K.	4 th Year Doctoral	Life Sciences	Zoology	Evolutionary divergence and biogeography of North American rock ptarmigan.	Researcher	N.W.T.	R. Montgomery	3,217.00
6. Holt, C.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Holocene vegetation and fire regime changes in northern British Columbia.	Researcher	Northern British Columbia	J. Szeicz	2,000.00
7. Ibarguchi, G.	2 nd Year Master's	Life Sciences	Zoology	Genetic structure, kin groups and alloparenting in thick-billed murre.	Researcher	N.W.T.	V. Friesen	2,590.00
8. Karst, T.	1 st Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Paleolimnological investigation of holocene climate change in the northern Rocky Mountains.	Researcher	Yukon	J. Smol	1,895.00
9. Laing, T.	3 rd Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Diatom-inferred past environmental change on the Kola Peninsula.	Researcher	N.W.T.	J. Smol	3,700.00
10. Leach, B.	2 nd Year Master's	Life Sciences	Zoology	Territory establishment and pairing success of rock ptarmigan.	Researcher	N.W.T.	R. Montgomery	3,186.00
11. Leach, B.	2 nd Year Master's	Life Sciences	Biology	Sperm characteristics of salmonid fishes.	Researcher	Yukon	R. Montgomery	1,715.00
12. Michelutti, N.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Freshwater diatom assemblages from lakes and ponds on Victoria Island, N.W.T.	Researcher	N.W.T.	J. Smol	3,145.00
13. Michelutti, N.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Sediment trap analysis in Small Lake, Resolute Bay, N.W.T.	Researcher	N.W.T.	J. Smol	2,045.00
14. Pisaric, M.	1 st Year Doctoral	Physical Sciences	Physical Geography	Treeline dynamics and the paleoecological history of the northern Rocky Mountains.	Researcher	Northern British Columbia	J. Szeicz	4,000.00
15. Sarasus, J.A.	1 st Year Undergraduate	Human Sciences	Human Geography	Summer youth recreation worker, and ethnography of Innu youth life.	Researcher	Labrador	J. Raffan	4,353.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
16. Turner, E.	4 th Year Undergraduate	Life Sciences	Biology	Effect of ovarian fluid concentration on activation of Arctic charr sperm.	Researcher	Yukon	R. Montgomery	1,715.00
17. De Groot, P.	3 rd Year Doctoral	Life Sciences	Biology	Microsatellite variation in the muskox (<i>Ovibos moschatus</i>).	Researcher	N.W.T.	P. Boag	3,700.00
18. Walsh, H.	2 nd Year Master's	Life Sciences	Zoology	Biological monitoring in the central Aleutian Islands, Alaska.	Researcher	Alaska	V. Friesen	5,844.00
19. Whiteman, G.	3 rd Year Doctoral	Human Sciences	Resource Management	By-products of organizational action: living alongside the James Bay Project.	Researcher	Northern Québec	W. Cooper	3,760.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

SAINT MARY'S UNIVERSITY - TOTAL FUNDS ALLOCATED \$5,000.00
 - TOTAL FUNDS SPENT COMMITTED \$5,000.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Doherty, J.	4 th Year Undergraduate	Human Sciences	Archaeology	Comparative analysis of material culture between western and eastern Arctic.	Field Assistant	MacIntyre Creek, Yukon	S. Davis	2,500.00
2. Jones,S.	4 th Year Undergraduate	Human Sciences	Archaeology	Sex differences in tool kits.	Field Assistant	MacIntyre Creek, Yukon	S. Davis	2,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

TRENT UNIVERSITY - TOTAL FUNDS ALLOCATED \$21,500.00
 - TOTAL FUNDS SPENT COMMITTED \$21,071.71

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Del Guidice, L.	3 rd Year Undergraduate	Physical Sciences	Physical Geography	The relationship between stomatal conductance and carbon dioxide in a subarctic forest near Churchill, Manitoba.	Researcher	Churchill, Northern Manitoba	P. Lafleur	2,600.00
2. Kasperski, J.	3 rd Year Undergraduate	Life Sciences	Biology	Bioprospecting for entomopathogenic fungi in Canada's North.	Field Assistant	Churchill, Northern Manitoba, Arviat, Rankin Inlet and Baker Lake, N.W.T.	M. Bicochka/E. Nol	2,344.36
3. King, D.	1 st Year Master's	Human Sciences	Sociology	The history of the federal government of Canada's residential school system for the Inuit.	Researcher	Iqaluit, N.W.T.	J. Milloy	2,900.00
4. Ludski, M.	4 th Year undergraduate	Human Sciences	Sociology	The impacts and significance of the Pangnirtung field school.	Researcher	Pangnirtung, N.W.T.	P. Kutchyski	2,000.00
5. Manweiler, J.	1 st Year Master's	Human Sciences	Sociology	Symbolic landscapes and enduring ideas: the politics of High Arctic landscape imagery.	Researcher	Iqaluit, Pond Inlet, Floe Edge, N.W.T.	J. Wadland	2,850.00
6. Robinson, C.	3 rd Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	The energetics of incubation in the semipalmated plover (<i>Charadrius semipalmatus</i>).	Researcher	Churchill, Northern Manitoba	E. Nol	2,377.35
7. Stuart, C.	3 rd Year Undergraduate	Physical Sciences	Physical Geography	Influence of stake density on confidence in mass balance estimates - White Glacier, Axel Heiberg Island, Canada, and Abramov Clacier, Kirghizia.	Researcher	White Glacier, Axel Heiberg Island, N.W.T.	J.G. Cogley	1,900.00
8. Williamson, M.	3 rd Year Doctoral	Life Sciences	Biology	Thermal energetics and incubation ecology of the semipalmated plover (<i>Charadrius semipalmatus</i>).	Researcher	Churchill, Northern Manitoba	E. Nol	2,100.00
9. Burnham, N. (Winter Project)	1 st Year Master's	Human Sciences	Sociology	The communication of complexity: media and the case of the Great Whale Hydroelectrical Project.	Researcher	Whapmagoostui/Kuujuuaraapik, Northern Québec	S. Bocking	2,000.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF TORONTO - TOTAL FUNDS ALLOCATED \$30,000.00
 - TOTAL FUNDS SPENT COMMITTED \$31,299.96

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Karels, T.	3 rd Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Population regulation of Arctic ground squirrels.	Researcher	Kluane Lake, Yukon	R. Boonstra	2,000.00
2. Ball, S.	2 nd Year Doctoral	Human Sciences	Education	A community of learners: Inuit students and their teachers.	Researcher	Baffin Island, N.W.T.	J. Cummins	1,800.00
3. Helm, P.	2 nd Year Master's	Physical Sciences	Chemistry	Degradation of x-Hexachlorocyclohexane in Arctic lake watersheds.	Researcher	Char Lake, Resolute Bay, N.W.T.	M. Diamond	1,900.00
4. Lim, D.	1 st Year Master's	Physical Sciences	Geology	Characterization of freshwater diatoms from Victoria Island, N.W.T.	Researcher	Victoria Island, N.W.T.	M. Douglas	1,899.96
5. Jain, H. (Winter Project)	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Carbon storage in woodland near Churchill, Manitoba.	Researcher	Churchill, Northern Manitoba	R. Hansell	1,700.00
6. Spence, C.	2 nd Year Master's	Life Sciences	Environmental Sciences/Ecology	Effects of sterilization on the behaviour and population dynamics of wolves.	Researcher	Kluane National Park and Ruby Range, Yukon	D. Hik	2,400.00
7. McIntire, E.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Plant responses to collared pika grazing.	Researcher	Ruby Range, Yukon	D. Hik	1,800.00
8. Rigg, C.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Alpine flora of Kluane National Park.	Researcher	Ruby Range, Yukon	D. Hik	1,800.00
9. Handa, T.	2 nd Year Master's	Life Sciences	Environmental Sciences/Ecology	Revegetation trials in degraded coastal salt marsh.	Researcher	La Perouse Bay, Northern Manitoba	R. Jefferies	1,796.34
10. Milakovic, B.	2 nd Year Master's	Life Sciences	Environmental Sciences/Ecology	Changes in aquatic and soil invertebrates following grubbing by geese.	Researcher	La Perouse Bay, Northern Manitoba	R. Jefferies	1,796.34
11. Gold, L.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	The effect of watering on growth of plants in revegetation trials.	Researcher	La Perouse Bay, Northern Manitoba	R. Jefferies	1,796.34
12. Gold, E.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Effect of different coloured pitfall traps on the diversity of insects trapped.	Researcher	La Perouse Bay, Northern Manitoba	R. Jefferies	1,796.34
13. Chang, E.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Are soil seed banks present in degraded coastal habitats?	Researcher	La Perouse Bay, Northern Manitoba	R. Jefferies	1,796.34
14. Svoboda, M.	4 th Year Undergraduate	Life Sciences	Biology	Effects of dust on plant communities at Lupin gold mine, N.W.T.	Researcher	Lupin Mine, N.W.T.	R. Jefferies	818.30
15. Easton, N.	4 th Year Doctoral	Human Sciences	Anthropology	Upper Tanada borderlands people.	Researcher	Beaver Creek, Yukon	R. Lee	1,500.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
16. Galpern, P.	4 th Year Undergraduate	Life Sciences	Zoology	Effects of productivity and predation on the behaviour of collared pikas.	Researcher	Ruby Range, Yukon	I. Rowe	2,000.00
17. Purcell, J.	1 st Year Doctoral	Human Sciences	Anthropology	Psychosocial stress as a risk factor in Moose Factory.	Researcher	Moosonee and Moose Factory, Northern Ontario	I. Sawchuk	1,200.00
18. Sparks, S. (Winter Project)	2 nd Year Doctoral	Human Sciences	Anthropology	The Beverly and Quamanirjuaq caribou management board as an example of knowledge intergration.	Researcher	Yellowknife, N.W.T.	K. Sieciechowicz	1,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

SIMON FRASER UNIVERSITY - TOTAL FUNDS ALLOCATED \$15,000.00
 - TOTAL FUNDS SPENT COMMITTED \$15,000.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Kelly, B.	1 st Year Master's	Life Sciences	Resource Management	Fate of organochlorine contaminants in the lichen-caribou-wolf food chain.	Researcher	N.W.T.	F. Gobas	3,200.00
2. Lissimore, D.	4 th Year Undergraduate	Life Sciences	Environmental Sciences/Ecology	Breeding ecology of arctic-nesting <i>Calidrid</i> sandpipers.	Researcher	Alaska	D. Lank	2,500.00
3. McCormack, A. (Winter Project)	2 nd Year Master's	Human Sciences	Criminology	The aboriginal young offender's response to circle sentencing as a restorative justice initiative.	Researcher	Yukon	R. Gordon	2,700.00
4. Squires, M.	1 st Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Production of macrophytes, epiphytes, benthic algae and phytoplankton among Mackenzie Delta lakes and implications of flooding for secondary production.	Researcher	N.W.T.	L. Lesack	3,100.00
5. Thorpe, N.	1 st Year Master's	Life Sciences	Resource Management	Traditional knowledge of the Coppermine River, N.W.T.: a guide to western science.	Researcher	N.W.T.	E. Pinkerton	3,500.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF SASKATCHEWAN - TOTAL FUNDS ALLOCATED \$28,500.00
 - TOTAL FUNDS SPENT COMMITTED \$28,700.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Craig, L.M.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Comparative incubation strategies of Ross' and Lesser Snow geese.	Researcher	N.W.T.	R.T. Alisaukas	2,200.00
2. Danielson, J.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Landscape, settling patterns, and nesting success in colonial geese.	Researcher	N.W.T.	R.T. Alisaukas	2,500.00
3. Dawson, R.	5 th Year Doctoral	Life Sciences	Biology	Clutch size in American kestrels (<i>Falco sparverius</i>).	Researcher	Northern Saskatchewan	G.R. Bortolotti	3,000.00
4. Fisher, S.	1 st Year Master's	Life Sciences	Biology	Reproduction in American kestrels.	Researcher	Northern Saskatchewan	G.R. Bortolotti	1,500.00
5. Guo, W.	1 st Year Doctoral	Physical Sciences	Physics	Polar atmospheric dynamics.	Researcher	N.W.T.	D.J. McEwen	2,800.00
6. Kellett, D.	1 st Year Master's	Life Sciences	Biology	Aspects of the breeding biology of the king eider (<i>Somateria spectabilis</i>).	Researcher	N.W.T.	R.T. Alisaukas	2,500.00
7. Kutz, S.	4 th Year Master's	Life Sciences	Veterinary Medicine	<i>Umingmakstrongylus pallikuukensis</i> : a new prostostromyloid lungworm of muskoxen of Kugluktuk.	Researcher	N.W.T.	L. Polley	3,000.00
8. McLoughlin, P.D.	3 rd Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Spatial organization and critical habitats of barren-ground grizzly bears (<i>Ursus arctos</i>) subject to mining activity.	Researcher	N.W.T.	F. Messier	1,600.00
9. Polishuk, S.	5 th Year Doctoral	Life Sciences	Environmental Sciences/Ecology	Semen analyses in polar bears.	Researcher	N.W.T.	M.A. Ramsay	2,600.00
10. Postnikoff, D.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Early tertiary plants of Axel Heiberg Island.	Researcher	N.W.T.	J.F. Basinger	2,000.00
11. Russell, M.	4 th Year Undergraduate	Physical Sciences	Physical geography	Use of a continuous dye dilution system for calculating discharge in a small ice choked stream.	Researcher	N.W.T.	P. Marsh	2,000.00
12. Walton, L.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Ecology of wolves (<i>Canis lupus</i>) in the barren-grounds of N.W.T.	Researcher	N.W.T.	M.A. Ramsay	3,000.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF WATERLOO - TOTAL FUNDS ALLOCATED \$13,000.00
 - TOTAL FUNDS SPENT COMMITTED \$22,840.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Fox, S.	2 nd Year Master's	Human Sciences	Human Geography	Inuit knowledge of climate.	Researcher	Igloodik	P.A. Kay	5,075.00
2. Furgal, C.M.	3 rd Year Doctoral	Human Sciences	Communications	Benefit: risk communication and decision-making capacity.	Researcher	Nain, Kuujuaq, Northern Québec	R.F. Keith	3,640.00
3. Parlee, B.	3 rd Year Master's	Life Sciences	Resource Management	Community-based monitoring: A model for northern communities.	Researcher	Lutslek'e, Northern Québec	R.F. Keith	2,950.00
4. Janiski, P.	2 nd Year Master's	Life Sciences	Physical Geography	Palaeoecological study of treeline response to past climate change.	Researcher	Yellowknife, N.W.T.	B. Warner	6,148.00
5. Locky, D.	4 th Year Undergraduate	Life Sciences	Physical Geography	Palaeoecological study of treeline response to past climate change.	Field Assistant	Yellowknife, N.W.T.	B. Warner	5,027.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

UNIVERSITY OF WESTERN ONTARIO	-	TOTAL FUNDS ALLOCATED	\$9,500.00
	-	TOTAL FUNDS SPENT COMMITTED	\$11,232.96

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Fishback, L.	3 rd Year Doctoral	Physical Sciences	Physical Geography	Catchment contributions to a High Arctic Lake.	Researcher	N.W.T.	Roger H. King	2,808.24
2. Geraghty, C.	2 nd Year Master's	Physical Sciences	Physical Geography	Water chemistry and bioproductivity of a cascade of arctic lakes, Truelove Lowland, Devon Island N.W.T.	Researcher	N.W.T.	Roger H. King	2,808.24
3. Bulmer, A.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Factors affecting soil development along a typical beach ridge toposequence.	Researcher	N.W.T.	Roger H. King	2,808.24
4. Ells, B.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Periphyton community development in a Polar Desert Lake on Devon Island, N.W.T.	Researcher	N.W.T.	Roger H. King	2,808.24

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

WILFRID LAURIER UNIVERSITY - TOTAL FUNDS ALLOCATED \$10,000.00
 - TOTAL FUNDS SPENT COMMITTED \$6,012.60

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Danby, R.	1 st Year Master's	Life Sciences	Environmental Sciences/Ecology	Ecology of the St.Elias Region.	Researcher	Yukon	S. Slocombe	3,012.60
2. Peramaki, L.	1 st Year Master's	Physical Sciences	Physical Geography	Spatial distribution of lead.	Researcher	N.W.T.	J. Decker	3,000.00

SUMMARY OF STUDENT SCIENTIFIC ACTIVITIES SUPPORTED BY THE NSTP IN 1997-1998

YORK UNIVERSITY - TOTAL FUNDS ALLOCATED \$15,000.00
 - TOTAL FUNDS SPENT COMMITTED \$15,298.00

STUDENT	Academic Level	Scientific Field	Discipline	Project Title	Main Role in Research Project	Geographic Focus	University Supervisor	Total
1. Stoltz, D.	4 th Year Undergraduate	Physical Sciences	Physical Geography	Utility of GIS in examining the interactions between energy, water and vegetation in northern wetlands.	Field Assistant	Resolute, N.W.T.	K. Young	2,639.00
2. Hughes, K.	2 nd Year Master's	Human Sciences	Physical Geography	Exploring import replacement opportunities for the Mushkegowuk tribal council.	Researcher	Northern Ontario	M. Bernard	2,689.00
3. Williams, A.	2 nd Year Undergraduate	Human Sciences	Sociology	Self-government in Anishnaabe communities: assessing development in land, child welfare and justice initiatives.	Researcher	Northern Ontario	B. Ryder	1,200.00
4. Teevan, D.	2 nd Year Master's	Human Sciences	Environmental Sciences/Ecology	An examination of the role of the outsider in community based development.	Researcher	Yukon	M. Bernard	2,090.00
5. Zsigovics, G.	4 th Year Undergraduate	Physical Sciences	Physical Geography	The effects of vegetation on the redistributions of snow in small arctic drainage basins.	Researcher	Churchill, Northern Manitoba	R. Bello	2,480.00
6. Macrae, M.	2 nd Year Master's	Physical Sciences	Physical Geography	Variations in organic carbon storage in shallow subarctic ponds.	Researcher	Churchill, Northern Manitoba	R. Bello	4,200.00