

# APPENDIX I



Academic Transcript  
Request #: 000000432  
Print Date: 00-Apr-05

The UNIVERSITY of WESTERN ONTARIO  
OFFICE OF THE REGISTRAR  
LONDON, ONTARIO CANADA N6A 5B8

Send To: Addoc of Professional Engineers  
and Geoscientists of the Province  
of Manitoba  
850A Pembina Highway  
Winnipeg, MB R3M 2M7



Student ID: 007537293  
Student : Larocque, Adrienne Christine Lisette  
Birthdate : Sep-16

Page: 1

Degree: Master of Science  
Awarded: 89-Oct  
Program: Geology  
Plan: Master of Science  
Status: Completed Program  
Degrees Awarded  
Academic Program History  
Masters Thesis - Complete -  
End of Official Transcript  
Non Course Milestones

387 B.SC.(HONS) UNIVERSITY OF OTTAWA 1986  
387 SPEC. CRS. CARLETON UNIVERSITY 1986-87

Course	Description	Units	Grade
999	1987 Fall Grad Term		
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	1.0	IPR
581	GRADUATE SEMINAR	0.5	PAS
515A	ANALYTICAL TECHNIQUES	1.0	IPR
567	ADVANCED GLACIAL GEOLOGY		
999	1988 Winter Grad Term		
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	0.5	083
452B	LOW-1 GEOCHEMISTRY	1.0	081
581	GRADUATE SEMINAR	0.5	081
585B	SPECIAL TOPICS	1.0	090
567	ADVANCED GLACIAL GEOLOGY		
999	1988 Summer Grad Term		
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
999	1988 Fall Grad Term		
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
999	1989 Winter Grad Term		
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
999	1989 Summer Grad Term		
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	0.5	AUD
585B	SPECIAL TOPICS		
999	1989 Summer Grad Term		
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
Program Completed			

SEE REVERSE FOR LEGEND

023714

#	% ENROLLED IN MARK RANGE
ENRL.	AVG. 0 + 50 + 60 + 65 + 70 + 75 + 80 + 90

DESCRIPTION

YEAR	TERM	AND COURSE	RPT.	WGT.	MK.	GR.	MI.
1987		AWARD GRANTED: R. DANIEL MCLAUGHLIN FELLOWSHIP					
		REGISTERED IN PH.D. GEOLOGY					
1989	F						EXPLORATION GEOCHEMISTRY
1989	F	GEOL 834		0.50	75	A	PHASE EQUILIBRIA
1989	F	GEOL 857		0.50	75	A	PH.D. THESIS RESEARCH
1989-90	F/W/S	GEOL 900		1.00	44	A	METALLOGENY IN MINERAL
1990	W	GEOL 812		0.50	57	A	METAMORPHIC PETROLOGY
1990	W	GEOL 821		0.50	90	A	METAMORPHIC PETROLOGY
1990	W	COMPREHENSIVE EXAMINATION					PASSED

1900	AWARDED: JULY 5 GRADUATE FELLOWSHIP	PH. D. THESIS RESEARCH
1900	AWARDED: JULY 5 GRADUATE FELLOWSHIP	PH. D. THESIS RESEARCH

1991 AWARD GRANTED: CARL REINHARDT FELLOWSHIP  
1991 AWARD GRANTED: QUEEN'S GRADUATE FELLOWSHIP

1991-92 FAMS 1.01.84 PH. D. THESIS RESEARCH  
1990-91 FAMS 1.01.84 LANGUAGE REQUIREMENT PASSED

1999-02 EWING  
REFL 999  
1900 PA  
PH. D. THESIS RESEARCH

1993 AUG 16 FINAL ORAL EXAMINATION SATISFACTORY

1997 OCT DEGREE GRANTED 25488 AGRICULTURE

[illegible]

DATE PRINTED

100

DATE PRINTED

ISSUED TO ST

TO AND POSSESSOR USE ONLY IF BEARING FIMROSSED SEAL AND OFFICIAL SIGNATURE

DATE ISSUED

1111

UNIVERSITY REGISTRAR

Amie Rutbold



## ACADEMIC CREDENTIALS REPORT

Name Ms. Adrienne Larocque FCSA ID 74470  
DOB 09/16/1963 Report Date 08/22/2014 Page 1 of 5

### U.S. Equivalence

Bachelor of Science in Geology  
Master of Science in Geology  
PhD in Geological Sciences

### U.S. Semester Hours / GPA

Undergraduate 48 Hrs / 3.25  
Upper division 48 Hrs / 3.25  
Graduate 39 Hrs / 3.80

### Credentials

- |   |                   |   |
|---|-------------------|---|
| 1 | U.S. equivalency  | Bachelor of Science in Geology earned at an institution comparable to a regionally accredited US institution. |
|   | Country           | Canada  |
|   | Credential        | Bachelor of Science High Honours in Geology   |
|   | Institution       | Carleton University, Ottawa, Canada   |
|   | Date awarded      | November, 1987  |
|   | Length of program | 4 years of post-secondary coursework  |
|   | Documents viewed  | original transcript with award of degree in English   |
| 2 | U.S. equivalency  | Master of Science in Geology earned at an institution comparable to a regionally accredited US institution.   |
|   | Country           | Canada  |
|   | Credential        | Master of Science Geology   |
|   | Institution       | The University of Western Ontario, London, Canada   |
|   | Date awarded      | October, 1989   |
|   | Length of program | 2 years of graduate study   |
|   | Documents viewed  | original transcript with award of degree in English   |
| 3 | U.S. equivalency  | PhD in Geological Sciences earned at an institution comparable to a regionally accredited US institution.     |
|   | Country           | Canada  |
|   | Credential        | Doctor of Philosophy, Geological Science  |
|   | Institution       | Queens University, Kingston, Canada   |
|   | Date awarded      | October, 1993   |
|   | Length of program | 4 years of graduate study   |
|   | Documents viewed  | original transcript and degree certificate in English   |

William J. Paver, Director  
Foreign Credentials Service of America

See last page for information on FCSA and the standards and practices used in this report.  
Report is valid only if raised FCSA seal is affixed to each page.

## TRANSCRIPT REPORT

Name	Ms. Adrienne Larocque	FCSA ID	74470
DOB	09/16/1963	Report Date	08/22/2014
		Page	2 of 5

## UNDERGRADUATE

INSTITUTIONS / DATES / SUBJECTS	HOURS	GRADE
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Carleton University , 1983-1987

### First Year, 1983-1984

Math & Stats (Pass): Elementary Calculus II	3.0	C	(ADV)
Total :	3.00		

### Second Year , 1986-1987

Chemistry: Physical Chemistry	6.0	B	(ADV)
Geology: Mineral Deposits	3.0	C	(ADV)
Geology: Paleontology II	3.0	B	(ADV)
Geology: Stratigraphy II	3.0	B	(ADV)
Geology: Geodynamics	3.0	B	(ADV)
Geology: Hydrogeology	3.0	B	(ADV)
Geology: Sedimentology	3.0	B	(ADV)
Geology: Isotope Geology	3.0	A	(ADV)
Physics: Intro to Astrophysics	6.0	A	(ADV)
Total :	33.00		

### Third Year , 1987

Computer Science: Intro to Scientific Comp	3.0	B	(ADV)
Geology: Field Geology II	3.0	A	(ADV)
Geology: Honors Thesis	6.0	A	(ADV)
Total :	12.00		



## TRANSCRIPT REPORT

Name	Ms. Adrienne Larocque	FCSA ID	74470
DOB	09/16/1963	Report Date	08/22/2014
		Page	3 of 5

## GRADUATE

INSTITUTIONS / DATES / SUBJECTS	HOURS	GRADE
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### The University of Western Ontario, 1987-1989

#### First Year, Second Semester, 1987

Analytical Techniques	3.0	P
Total :	3.00	

#### Second Year, First Semester , 1988

Special Topics	3.0	A
Low-T Geochemistry	3.0	A
Graduate Seminar	6.0	A
Advanced Glacial Geography	6.0	A
Total :	18.00	

### Queens University , 1989-1993

#### First Year, First Semester, Fall 1989

Exploration Geochemistry	3.0	B
Phase Equilibria	3.0	B
Total :	6.00	

#### First Year, Second Semester, Spring 1990

Metallogeny in Mineral Explor.	3.0	A
Metamorphic Petrology	3.0	A
Total :	6.00	

#### Final Year following 8 semesters of research , Summer 1993

Ph. D. Thesis Research	6.0	P
Total :	6.00	

Undergraduate Total Hours = 48

Undergraduate GPA = 3.25

Upper Level Total Hours = 48

Upper Level GPA= 3.25

Graduate Total Hours = 39

Graduate GPA= 3.80

## REFERENCES

Name	Ms. Adrienne Larocque	FCSA ID	74470
DOB	09/16/1963	Report Date	08/22/2014
		Page	4 of 5

*American Association of Collegiate Registrars and Admissions Officers (AACRAO).  
Electronic Database for Global Education (EDGE) - 2014. <http://aacroedge.aacrao.org>.*

*Feagles, Shelley, ed., A Guide to Educational Systems Around the World, NAFSA,  
Association of International Educators, 1999.*

*Paver, William J., ed., Handbook on the Placement of Foreign Graduate Students,  
1990 Edition, NAFSA, Washington, D.C.*

*Sharpe, T., et al., The New Country Index Volume 2, International Education Research  
Foundation, Inc., Culver City, CA, 2011.*

## FOREIGN CREDENTIALS SERVICES OF AMERICA

1910 Justin Lane Austin, Texas 78757  
512.459.8428 fax 512.459.4565

*info@foreigncredentials.org www.foreigncredentials.org*

Foreign Credentials Service of America (FCSA) is a private organization, founded in 1987, designed to provide timely and accurate assessments of the academic qualifications of persons who have completed all or part of their education outside the United States.

Wm. J. Paver, Director. Ph.D. in Higher Educ./Admin. (Washington State Univ.) Asst. Dean of Graduate Studies & Assoc. Dir. of Admissions, The University of Texas at Austin (1979 - 2001) Member Board of Directors NAFSA, The Association of International Educators Member of the Board of Directors, AACRAO Consultant to the Immigration & Naturalization Service (INS) & task force member on implementation of 1996 federal immigration legislation (1995 - present) Member of the Policy Council for the Test of English as a Foreign Language (TOEFL) Service (1995 - 98) Chair of TOEFL Technology Committee, member of TOEFL Outreach & Services Committee, and member of TOEFL Finance Committee (1995 - 98) Chair of AACRAO steering committee on joint U.S. - Russian academic credential evaluation publication (1997 - present) Vice-Pres. of International Educ., AACRAO (1994 -97) Member of NAFSA, National Admissions Section (ADSEC) Team, 1982-84 Chair, 1986. Member (1980) & Chair (1984-87) of the Interassociational Committee on Data Collection (ICDC). Member of Projects in International Educational Research (PIER), 1987-88. Author & Editor of two publications: Handbook on the Placement of Foreign Graduate Students and, Post-Secondary Institutions of the Peoples Republic of China: A Comprehensive Guide to Institutions of Higher Education in China AACRAO, American Association of College Registrars and Admissions Officers, is the oldest and largest professional organization for admission officers in the United States, with an institutional membership consisting of over 2,500 colleges and universities. Its World Education Series (WES) and Projects in International Education Research (PIER) are the standards in the area of foreign credential evaluation. Dr. Paver is the Director of the AACRAO EDGE project.

The Monterey office opened in 2008 and serves colleges and universities, licensing boards, immigration attorneys and individual clients in the region. Mr. Johnny Johnson, Director of our Monterey office, brings 35 years of experience in every type of U.S. higher education institution, including a liberal arts college, research university, major medical center, and, most recently, Monterey Peninsula College, which is one of the 109 California Community Colleges. In addition to being an expert in foreign educational systems, Mr. Johnson has teaching, counseling, academic advising, and enrollment management experience. He has also lived abroad for eight years, travelled to 75 countries and held teaching and higher education administrative positions in Asia and the Caribbean. Mr. Johnson has served on the boards of AACRAO, NAFSA, and California Colleges for International Education (CCIE), as a vice president in all three associations.

### ABOUT FCSA EVALUATIONS

FCSA evaluations are based on standards and practices recommended by the National Council for the Evaluation of Foreign Credentials (CEC), standards adopted by one of America's largest universities, and placement recommendation contained in the American Association of Collegiate Registrars and Admission Officers (AACRAO) Electronic Database for Global Education (EDGE). FCSA maintains a comprehensive library of materials associated with the evaluation of foreign and domestic credentials. Evaluations are subject to the policies of the receiving institution.

Transfer credit on FCSA evaluations is reported in semester hours as awarded by universities accredited by a US regional accrediting association or recognized by the Provincial Ministry of Education. Transfer equivalency recommendations are subject to the transfer credit practices of the receiving institution.

Grades on FCSA evaluations are notated using the standard U.S. four-point scale: A=4, B=3, C=2, D=1, F=0. A "P" in the grade column indicates the class was passed and no grade assigned. "ADV" in the grade column indicates upper-division undergraduate credit.



## EDUCATIONAL AND WORK EXPERIENCE

### EDUCATION:

**Ph.D. Geological Sciences**, Queen's University, Kingston, Ontario. Obtained Aug. 1993.

**Thesis Research:** Geological controls on distribution of gold in the Moberly massive sulfide deposit, Abitibi Greenstone Belt, Canada. Funded by NSERC, Ressources Audrey Inc., and Minnova Inc. through a Collaborative Research and Development Grant.

**M.Sc. Geology**, University of Western Ontario, London, Ontario. Obtained Sept. 1989.

**Thesis Research:** Mobility of trace metals during weathering of surficial sediments. Funded by Ontario Geoscience Research Fund Grant.

**B.Sc. (High Honours) Earth Science**, Carleton University, Ottawa, Ontario. Obtained Aug. 1987.

**Thesis Research:** Quaternary sedimentology and postglacial tectonic stability of Lake Doré, Ontario.

### PROFESSIONAL EXPERIENCE IN EARTH SCIENCE:

**Position:** High School Science Teacher, Santa Rosa City Schools District

**Period:** 02/15 to present

**Duties:** Teaching Earth Science to freshmen at Maria Carrillo High School (2015-2017) and Santa Rosa High School (2017-2018)

**Position:** Adjunct Professor, Geology Department, Santa Rosa Junior College

**Period:** 08/14 to present

**Duties:** Instructor for Geology 1 (Geol1) and Introduction to Environmental Science (ENVS12)

**Position:** Associate Professor, Department of Geological Sciences, University of Manitoba

**Period:** 04/02 to 08/04 (on maternity leave, 09/01 to 08/02; leave of absence without pay, 09/02 to 08/02)

**Duties:** Research in environmental and exploration geochemistry, geochemistry and genesis of mineral deposits; supervision of undergraduate and graduate students.

**Position:** Assistant Professor, Department of Geological Sciences, University of Manitoba

**Period:** 11/94 to present (on maternity leave, 09/98 to 04/99; reduced appointment, 10/99 to 04/01)

**Duties:** Research in environmental and exploration geochemistry, geochemistry and genesis of mineral deposits; undergraduate and graduate teaching; supervision of undergraduate and graduate students.

**Position:** Director's-Funded Postdoctoral Fellow, Earth and Environmental Sciences Division, Geo-engineering Group, Los Alamos National Laboratory

**Period:** 10/93 to 10/94

**Duties:** Petrographic characterization of glasses formed by vitrification of natural rocks and soils. Analysis of chemical stability of vitrified materials in weathering environments. Study of lead mobility in igneous rocks and soils.

**Position:** Geological Assistant, Mineral Resources Division, Geological Survey of Canada

**Period:** 05/87 to 09/87, 04/88 to 09/88

**Duties:** Seafloor studies including: participating on a scientific cruise on Juan de Fuca Ridge; petrographic and chemical analysis of sulfide and clay minerals in altered lavas from Galapagos Rift.

**Position:** Research Assistant, Teaching Assistant, University of Western Ontario

**Period:** 09/87 to 04/88, 09/88 to 04/89

**Duties:** **RA:** Doing literature surveys and various types of analysis for supervisor. **TA:** Organizing, teaching and grading for undergraduate labs.



*Human Resources Division  
Service Center Group  
PO Box 1663, MS P235  
Los Alamos, New Mexico 87545  
Phone: (505) 667-4451*

May 1, 2014

To Whom It May Concern:

This is to confirm that The University of California at Los Alamos National Laboratory employed Dr. Adrienne Christine Larocque on a full time basis with the job title of Postdoctoral Fellow. Dr. Larocque was hired on October 12, 1993 and voluntarily terminated on November 4, 1994.

Should you have further questions regarding this employee, please feel free to call our office at: (505)-667-4451.

Sincerely,

Elena J. Guerra  
*HR Service Center Representative*

/ejg



UNIVERSITY  
OF MANITOBA

Office of the President

208 Administration Building  
Winnipeg, Manitoba  
Canada R3T 2N2  
Fax (204) 275-1160

April 1, 2002

Dr. Adrienne Larocque  
Department of Geological Sciences  
Faculty of Science

Dear Dr. Larocque: *Adrienne*

At its meeting on March 26, 2002 the Board of Governors approved my recommendation that you be promoted from Assistant Professor to Associate Professor effective March 26, 2002.

I am happy to inform you of the Board's decision. Please accept my congratulations on your promotion.

Yours sincerely,

Emőke J.E. Szathmáry, Ph.D.  
President and  
Vice-Chancellor

cc Dean J. Jamieson, Faculty of Science  
Ms. B.M.M. Sawicki, University Secretary