

# 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: Assoc. 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

----- Degrees Awarded ----- Non Course Milestones -----  
 Degree: Master of Science Masters Thesis - Complete -  
 Awarded: 89-Oct End of Official Transcript

----- Academic Program History -----  
 Program: Geology  
 Plan: Master of Science  
 Status: Completed Program

----- Basis of Admission -----  
 387 B.S.C. (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
GEOLOGY	GRADUATE SEMINAR	0.5	PAS
GEOLOGY	ANALYTICAL TECHNIQUES	1.0	IPR
567	ADVANCED GLACIAL GEOLOGY		
	----- 1988 Winter Grad Term -----		
999	CONTINUOUS GRADUATE ENROLLMENT	0.5	083
4528	LOW-1 GEOCHEMISTRY	1.0	081
581	GRADUATE SEMINAR	0.5	081
GEOLOGY	SPECIAL TOPICS	1.0	090
5858	ADVANCED GLACIAL GEOLOGY		
567	ADVANCED GLACIAL GEOLOGY		
	----- 1988 Summer Grad Term -----		
999	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
	----- 1988 Fall Grad Term -----		
999	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
	----- 1989 Winter Grad Term -----		
999	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	0.5	AUD
GEOLOGY	SPECIAL TOPICS		
	----- 1989 Summer Grad Term -----		
999	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
GRDSTUDY	CONTINUOUS GRADUATE ENROLLMENT	Units	Grade
5858	SPECIAL TOPICS		
	Program Completed		

SEE REVERSE FOR LEGEND

023714

STUDENT NUMBER 306-0648

PAGE 1 OF 1

SURNAME AROCCUE  
GIVEN NAMES ADRIENNE CHRISTINE LISETTE

PRIOR NAME

BASIS OF ADMISSION PH.D. GEOLOGY

YEAR	TERM	SUBJECT AND COURSE	RPT.	WGT.	MK.	GR.	MI.	DESCRIPTION	#	AVG.	% ENROLLED IN MARK RANGE
1987		AWARD GRANTED: R. SAMUEL MCLAUGHLIN FELLOWSHIP									
1989	F	REGISTERED IN PH.D. GEOLOGY									
1989	F	GEOL 837		0.50	78	A		EXPLORATION GEOCHEMISTRY			
1989	F	GEOL 857		0.50	78	B		PHASE EQUILIBRIA			
1989-90	F/W	GEOL 909		1.00	44	A		PH. D. THESIS RESEARCH			
1990	W	GEOL 812		0.50	87	A		METALLOGENY IN MINERAL			
1990	W	GEOL 831		0.50	90	A		EXPLOR. METAMORPHIC PETROLOGY			
1990	APR 24	COMPREHENSIVE EXAMINATION PASSED									
1990		AWARD GRANTED: QUEEN'S GRADUATE FELLOWSHIP									
1990-91	F/W	GEOL 909		1.00	44	A		PH. D. THESIS RESEARCH			
1991		AWARD GRANTED: CARL REINHARDT FELLOWSHIP									
1991		AWARD GRANTED: QUEEN'S GRADUATE FELLOWSHIP									
1991-92	F/W	GEOL 909		1.00	44	A		PH. D. THESIS RESEARCH			
1992	F/W 20	LANGUAGE REQUIREMENT PASSED									
1992-93	F/W	GEOL 909		1.00	PA			PH. D. THESIS RESEARCH			
1993	AUG 16	FINAL ORAL EXAMINATION SATISFACTORY									
1993	JUL	DEGREE GRANTED: PH.D. GEOLOGY									
*****END OF TRANSCRIPT*****											

UNIVERSITY REGISTRAR  
*James Butts*

DATE ISSUED 11 JAN 17

ISSUED TO STUDENT

DATE PRINTED 1 JUL 17

TO BE RECEIVED VIA IN AMV IF BEARING EMBOSSER SEAL AND OFFICIAL SIGNATURE



## 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	
<b>Carleton University , 1983-1987</b>			
<b>First Year, 1983-1984</b>			
Math & Stats (Pass): Elementary Calculus II	3.0	C	(ADV)
<b>Total :</b>	<b>3.00</b>		
<b>Second Year , 1986-1987</b>			
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)
<b>Total :</b>	<b>33.00</b>		
<b>Third Year , 1987</b>			
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)
<b>Total :</b>	<b>12.00</b>		

## 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
<b>Total :</b>	<b>3.00</b>	

##### 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
<b>Total :</b>	<b>18.00</b>	

#### Queens University , 1989-1993

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

Exploration Geochemistry	3.0	B
Phase Equilibria	3.0	B
<b>Total :</b>	<b>6.00</b>	

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

Metallogeny in Mineral Explor.	3.0	A
Metamorphic Petrology	3.0	A
<b>Total :</b>	<b>6.00</b>	

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

Ph. D. Thesis Research	6.0	P
<b>Total :</b>	<b>6.00</b>	

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

<b>Name</b>	Ms. Adrienne Larocque	<b>FCSA ID</b>	74470
<b>DOB</b>	09/16/1963	<b>Report Date</b>	08/22/2014
		<b>Page</b>	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](mailto:info@foreigncredentials.org) [www.foreigncredentials.org](http://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,

A handwritten signature in cursive script that reads 'Elena J. Guerra'.

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