
6C

Action

Credentialing and Certificated Assignments Committee

Request for Consideration of Eminence Credential

Executive Summary: This agenda item presents a request by resolution from the Governing Board of Santa Rosa City Schools in Sonoma County to the Commission for the issuance of a credential based on Eminence to Dr. Adrienne Larocque in the subject of Academic Earth Sciences.

Recommended Action: Staff historically does not make a recommendation on Eminence Credentials.

Presenter: Erin Skubal, Program Analyst, and Tammy Duggan, Consultant, Certification Division

Strategic Plan Goal

I. Educator Quality

- b) Develop, maintain, and promote high quality authentic, consistent educator assessments and examinations that support development and certification of educators who have demonstrated the capacity to be effective practitioners.

Request for Consideration of Eminence Credential

Introduction

The Governing Board of Santa Rosa City Schools in Sonoma County, by resolution, adopted on October 22, 2014, in accordance with Education Code section 44262 recommends to the Commission the issuance of a credential based on Eminence to Adrienne Larocque in the subject of Academic Earth Science.

Background

Education Code section 44262 authorizes the Commission to issue an Eminence Credential to any person who has achieved eminence in a field of endeavor commonly taught or a service practiced in the public schools of California. Eminence credentials are issued in the specific content or service area requested. Each Eminence Credential is issued initially for a two-year period and may be renewed for a three-year period by the Commission upon the request of the governing board of the school district. The initial two and three-year credentials are restricted to the recommending employer. Upon completion of the three-year renewal period, the holder of an Eminence Credential will be issued as a clear credential that is not restricted to an employer.

Title 5 section 80043(a) of the California Code of Regulations defines an eminent individual as one who is recognized as such beyond the boundaries of his or her community, has demonstrably advanced his or her field, and has been acknowledged by his or her peers as beyond the norm for others in the specific endeavor. The pertinent Education Code and Title 5 sections are included in Appendix A.

The Commission has determined that an individual who has achieved eminence in their field in the three areas defined above would meet the following requirements:

The individual is recognized as eminent beyond the boundaries of his or her community: To meet this requirement the individual must be renowned outside their geographical community with more merit given to interstate and international recognition.

Demonstrably advanced his or her field: To meet this requirement an individual must provide documentation of advanced degrees and/or distinguished employment in the field/endeavor. Contributions to the field include evidence of authorship or research indicating a high level of expertise.

Acknowledged by his or her peers as “beyond the norm” in the specific endeavor: To meet this requirement the employing agency and the candidate must submit all of the following:

1. Letters from former employers, professional colleagues and other experts in the field, relating to the individual’s recognized expertise or position of prominence in their field.
2. Documents evidencing extraordinary ability worthy of distinction.

3. Evidence of major, national or international awards recognizing uncommon achievement in and advancement of a particular field or endeavor.
4. Evidence of significant contribution to the field.
5. Authorship of a new or unusually successful method of educating children or the public in the field or endeavor.
6. Extraordinary success in their field.

The following table outlines the documentation submitted by Santa Rosa City School and Adrienne Larocque, nationally and internationally recognized geologist and professor.

Education	
Carleton University, Ottawa, Canada	Bachelors of Science High honors, Geology, 1987
The University of Western Ontario, London, Canada	Masters of Science, Geology, 1989
Queens University, Kingston, Canada	PhD, Geological Sciences, 1993

Dr. Larocque has authored or co-authored numerous refereed articles in the field of geology and earth sciences. Refereed or peer reviewed materials are publications reviewed by "expert readers" prior to the publication of the material and exemplify the best research practices in a field. Below is a summary of Dr. Larocque's refereed authorships.

Evidentiary Materials Presented By Adrienne Larocque	Recognized Beyond Boundaries	Advances Field	Acknowledged as Beyond the Norm
Authorships: Refereed Publications in Earth Science			
<i>A high-sulfidation epithermal Au assemblage in pumice from Volcan Popocatepetl, Mexico</i> Journal of Volcanology and Geothermal Research, v. 170, 2008		X	X
<i>The fate of magmatic sulfides during intrusion or eruption, Bingham and Tintic Districts, Utah</i> Economic Geology, v. 101, co-author, 2006	X		X
<i>The Crater Lake and Hydrothermal System of Mount Pinatubo, Philippines: Evolution in the Decade after Eruption</i> Bulletin of Volcanology, v. 66, co-author, 2004			X
<i>Ion-microprobe analysis of FeTi oxides: Optimization for the determination of invisible gold</i> Economic Geology, v. 97, 2002	X	X	X
<i>Evidence for open-system behavior in immiscible Fe-S-O liquids in silicate magmas: Implications for contributions of metals and sulfur to ore-forming fluids</i> Canadian Mineralogist, v. 38, 2000	X	X	X

Evidentiary Materials Presented By Adrienne Larocque	Recognized Beyond Boundaries	Advances Field	Acknowledged as Beyond the Norm
Authorships: Refereed Publications in Earth Science			
<i>Regional metamorphic remobilization: upgrading and formation of ore deposits</i> SEG Reviews in Economic Geology, v.11, co-author, 1999	X		X
<i>Ion-microprobe quantification of precious metals in sulfide minerals</i> SEG Reviews in Economic Geology, v. 7, 1998	X		X
<i>A comparative mineralogical and geochemical study of sulfide mine-tailings at two sites in New Mexico, USA</i> Environmental Geology (special issue), v. 33, co-author, 1998			X
<i>Redistribution of Pb and other volatile trace metals during eruption, devitrification, and vapour-phase crystallization of the Bandelier Tuff, New Mexico</i> Journal of Volcanology and Geothermal Research, v. 73, co-author, 1996			X
<i>Evidence for hydrothermal reworking of gold in sulfide deposits of the TAG hydrothermal field, Mid-Atlantic Ridge</i> Canadian Mineralogist, v. 33, co-author, 1995			X
<i>Effects of greenschist-facies metamorphism and deformation on the Moberly massive sulfide deposit, Quebec, Canada</i> Mineralium Deposita, v. 30, 1995	X	X	X
<i>Ion-microprobe analysis of pyrite, chalcopyrite and pyrrhotite from the Moberly VMS deposit in Northwestern Quebec: Evidence for metamorphic remobilization of gold</i> Canadian Mineralogist, v. 33, 1995			X
<i>Calibration of the ion microprobe for the determination of silver in pyrite and chalcopyrite from the Moberly VMS deposit, Rouyn-Noranda, Quebec</i> Canadian Mineralogist, v. 33, 1995			X
<i>Gold degassing and deposition at Galeras Volcano, Colombia</i> GSA Today, v. 4, no. 10, co-author, 1994			X

Evidentiary Materials Presented By Adrienne Larocque	Recognized Beyond Boundaries	Advances Field	Acknowledged as Beyond the Norm
Authorships: Refereed Publications in Earth Science			
<i>Gold distribution in the Mobern VMS deposit, Noranda, Quebec: A preliminary evaluation of the role of metamorphic remobilization</i> Economic Geology, v. 88, 1993	X	X	X
<i>Carbonate-rich footwall alteration at the Mobern mine, a possible Mattabi-type VMS deposit in the Noranda camp</i> CIM Exploration and Mining Journal, v. 2, 1993			X
<i>Zonation of secondary minerals in hydrothermally altered lavas from Galapagos Rift</i> Current Research, Part F, Geological Survey of Canada Paper, 1989			X
<i>Zonation of secondary minerals in hydrothermally altered lavas from Galapagos Rift</i> Current Research, Part F, Geological Survey of Canada Paper, 1989			X
<i>Depressions in the bottom of Lac Mégantic, Quebec: probable stagnant ice features</i> Current Research, Part B, Geological Survey of Canada Paper, 1985			X

In addition to the above publications, Dr. Larocque has authored or co-authored 16 non-refereed articles in the field of geology and earth science and has served as a peer reviewer for numerous geological articles and journals. As well, she has been chosen for several prestigious positions in the field of geology, as presented below.

Evidentiary Materials Presented By Adrienne Larocque	Recognized Beyond Boundaries	Advances Field	Acknowledged as Beyond the Norm
Distinguished Employment			
Associate Professor, Department of Geological Sciences, University of Manitoba April 2002 to August 2004			X
Assistant Professor, Department of Geological Sciences, University of Manitoba November 1994 to Present			X
Postdoctoral Fellowship, Los Alamos National Laboratory October 1993 to October 1994	X	X	X

Dr. Larocque has also garnered the support of a multitude of professional colleagues and peers in her field who attest to her standing as a geologist. A summary of these letters of support can be found in the following table.

Evidentiary Materials Presented By Adrienne Larocque	Recognized Beyond Boundaries	Advances Field	Acknowledged as Beyond the Norm
Letters in Support of Eminence			
John F.H. Thompson, Professor Cornell University, New York	X	X	X
Pat Rasmussen, PhD, Leader of Metals and Airborne PM Laboratory, Environmental Health Science and Research Bureau, Health Canada	X		X
A/Prof Nigel J. Cook, Research Professor Institute of Mineral and Energy Resources, University of Adelaide	X	X	X
Dr. Fraser Goff, Adjunct Professor Earth and Planetary Sciences, New Mexico Institute of Mining and Technology	X		X
Dr. Jennifer Jackman, Director General CanmetMATERIALS, Natural Resources, Canada (retired)	X	X	X
James M. Franklin, PhD FRSC P Geo, President Franklin Geosciences Ltd; Chief Geoscientist, Geological Survey of Canada (retired)			X
Paul G. Spry, Professor of Economic Geology Iowa State University, Iowa		X	X
Prof. Mark D. Hannington, FRSC Department of Earth Sciences, University of Ottawa, Canada	X	X	X
C. Jay Hodgson, Professor Emeritus Queen's University, Canada			X
Jeffery D. Keith, Associate Academic VP Brigham Young University, Utah			X
Ron DiLabio, PhD Geological Survey of Canada (retired)			X
Michelle Nicholas, P. Geo, A/Chief Geologist Manitoba Geological Survey			X
Daniel Layton-Matthews, Associate Professor Dept. of Geological Sciences and Geological Engineering, Queen's University, Canada			X
Michelle A.E. Huminicki, BSc, MSc, PhD, PGeo Facility Manager/Instructional Associate Micro Analytical Facility, Department of Geology, Brandon University, Canada			X

Dr. Larocque has provided evidence of having given presentations at more than 50 professional meetings at locations worldwide, including Indonesia, the Philippines, Mexico, Prague, Australia, and various locations throughout Canada and the United States. These presentations support Dr. Larocque's status as an eminent geologist whose professional accomplishments are world renowned in the field of geology.

Dr. Larocque's professional accomplishments have resulted in invitations to chair several workshops, presentations, lectures, seminars, and symposia around the world. As well, she has been the recipient of several significant research grants and awards. A summary of these endeavors are found in the following table.

Evidentiary Materials Presented By Adrienne Larocque	Recognized Beyond Boundaries	Advances Field	Acknowledged as Beyond the Norm
Significant Guest Lectures, Presentations, Seminars, Symposia, and Workshops			
<i>Manitoba Minerals Society</i> Winnipeg, MB, 1998			X
<i>Sonoma State University</i> Rohnert Park, CA, 1998, 1997			X
<i>Brigham Young University</i> Provo, UT, 1997			X
<i>University of Saskatchewan</i> Saskatoon, SK, 1997			X
<i>University of California at Davis</i> Davis, CA, 1997			X
<i>Geological Association of Canada- Mineralogical Association of Canada, Joint Annual Meeting</i> Winnipeg, Manitoba, 1996			X
<i>Manitoba Mining and Minerals Convention</i> Winnipeg, MB, 1995			X
<i>Society for Geology Applied to Mineral Deposits (SGA), Biennial Meeting</i> Prague, Czech Republic, 1995	X		X
<i>Louisiana State University</i> Baton Rouge, LA, 1995			X
<i>Iowa State University</i> Ames, IA, 1995			X
<i>New Mexico Bureau of Mines</i> Socorro, NM, 1994			X
<i>Los Alamos National Laboratory</i> Los Alamos, NM, 1994	X		X
<i>Geological Association of Canada- Mineralogical Association of Canada, Joint Annual Meeting</i> Waterloo, Ontario, 1994			X
<i>University of Manitoba</i> Winnipeg, MB, 1994			X

Evidentiary Materials Presented By Adrienne Larocque	Recognized Beyond Boundaries	Advances Field	Acknowledged as Beyond the Norm
Significant Guest Lectures, Presentations, Seminars, Symposia, and Workshops			
<i>Canada Centre for Mineral and Energy Tech</i> Ottawa, ON, 1994			X
<i>Geological Survey of Canada</i> Ottawa, ON 1994			X
<i>New Mexico Institute of Technology</i> Socorro, NM, 1994			X
<i>Geological Association of Canada- Mineralogical Association of Canada, Joint Annual Meeting</i> Edmonton, Alberta, 1993			X
<i>New Mexico Department of Earth and Planetary Sciences and Institute of Meteoritics</i> Albuquerque, NM, 1993			X
<i>Toronto Discussion Group</i> Toronto, ON, 1992			X
Research Funding Received			
<i>NSERC Operating Grant</i> 2000-2005: \$24,000/yr; Mineral-Fluid Partitioning of Metals in Magmatic, Hydrothermal, and Weathering Environments 1996-2000: \$25,000/yr; Mineral-Fluid Partitioning of Ore Metals in Melts and Aqueous Fluids	X		X
<i>NSERC Equipment Grant</i> 1996-1997: \$53,123 and \$42,000	X		X
<i>Industry Source Grants</i> 1997-2001: \$165,700; CAMIRO \$136,300; NSERC	X		X
<i>University of Manitoba Grants</i> 1996: \$3,500; Geological Contributions to Mercury Content of Lake Waters 1994-1995: \$75,000; Start-Up Grant			X
Awards and Honors			
Hawley Medal Recipient, 2001	X	X	X

Appendix B, available at <http://www.ctc.ca.gov/commission/agendas/2015-02/2015-02-6C-appendix-B.pdf>, includes a sampling of materials provided by Dr. Adrienne Larocque, as documentation of her Eminence in the field of Academic Earth Science and of her contributions to education.

Appendix A

Education Code and Title 5 Regulation References

Education Code section 44262

Upon the recommendation of the governing board of a school district, the commission may issue an eminence credential to any person who has achieved eminence in a field of endeavor taught or service practiced in the public schools of California. This credential shall authorize teaching or the performance of services in the public schools in the subject or subject area or service and at the level or levels approved by the commission as designated on the credential.

Each credential so issued shall be issued initially for a two-year period and may be renewed for a three-year period by the commission upon the request of the governing board of the school district. Upon completion of the three-year renewal period, the holder of an eminence credential shall be eligible upon application for a professional clear teaching credential.

Title 5 Regulations

Section 80043. Statement of Employment and Verification of Qualifications

(a) When considering an application for an Eminence Credential, the Commission shall be guided by the following definition of an eminent individual: The eminent individual is recognized as such beyond the boundaries of his or her community, has demonstrably advanced his or her field and has been acknowledged by his or her peers beyond the norm for others in the specific endeavor. The employing school district shall demonstrate how the eminent individual will enrich the educational quality of the school district and not how he or she will fill an employment need.

(b) Pursuant to Section 44262 of the Education Code, issuance of an Eminence Credential shall be based upon a recommendation from the governing board of the school district, a statement of employment, submission of the fee(s) established in Section 80487 and a verification of the applicant's eminence qualifications.

(1) The Statement of Employment in the district shall include the proposed assignment of the credential applicant, and a certification of the intention of the district to employ the applicant if granted an Eminence Credential.

(2) The verification of eminence qualifications of an applicant for an Eminence Credential shall include:

(A) Recommendations, which may be from, but need not be limited to, the following: professional associations; former employers; professional colleagues; any other individuals or groups whose evaluations would support eminence; and

(B) Documentation of achievement, which may include, but need not be limited to, the following: advanced degrees earned; distinguished employment; evidence of related study or

experience; publications; professional achievement; and recognition attained for contributions to his or her field of endeavor.

(3) The Commission shall provide notice to the public of those individuals for whom it is considering issuing Eminence Credentials. Any association, group, or individual may provide the Commission with a written statement regarding the qualifications of an individual under consideration for an Eminence Credential.

(c) The Commission may assign certification staff the authority to review eminence applications to determine if an individual meets the definition of eminence pursuant to Section 44262 of the Education Code and (a) above.

(1) If staff concludes an applicant meets the definition, staff shall forward the application to the Commission for review and action at the next available meeting.

(2) If staff concludes an applicant does not meet the definition, staff shall deny the application.

(A) If the staff denies an application for eminence, the employing school district requesting the Eminence Credential may request that staff reconsider its determination upon submission of new evidentiary material relevant to the reason(s) for denial, that was not available at the time the application was initially submitted to the Commission.

(B) If staff determines that, based on the new supporting information, the applicant now meets the definition of eminence, staff shall forward the application to the Commission for review and action at the next available Commission meeting.

(C) If upon review of the new supporting information, staff determines that there is no new evidence that provides additional support of the applicant's eminence, the district's eminence application will be placed on the Commission's consent calendar with a staff recommendation for denial.

Note: Authority cited: Sections 44225 and 44253.9, Education Code. Reference: Section 44262, Education Code.

Section 80044. Scope of Eminence

A person may obtain an Eminence Credential if the subject or service in which the work is determined to exhibit eminence is one which a school board wishes to have taught or practiced in its district.

Note: Authority cited: Section 44225, Education Code.

Section 80045. Renewal of Eminence Credential.

(a) The Commission staff shall renew an Eminence Credential for three years upon receipt of an application for renewal with a written statement of support from the governing board of the school district adopted in a public meeting and submission of the fee(s) established in Section 80487.

(b) The Commission staff shall issue a Professional Clear Eminence Teaching Credential at the end of five years of possession of the Eminence Credential with a written statement of support from the governing board of the school district adopted in a public meeting, submission of an application and the fee established in Section 80487.

Note: Authority cited: Section 44225, Education Code. Reference: Section 44262, Education Code.