

# Tammy R. Metzger

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## EDUCATION

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**Juris Doctorate** with emphasis in Environmental and Natural Resources Law, May 2002.  
Northwestern School of Law of Lewis and Clark College, Portland, Oregon.

**Certificate of Alternative Dispute Resolution**, May 2002. Straus Institute for Dispute Resolution  
at Pepperdine University School of Law, Malibu, California.

**Master of Arts in Geography**, December 1998. University of California, Santa Barbara.  
Thesis entitled Climate Change and Sierra Nevada Snowpack.

**Certificate of Hazardous Materials Management**, March 1995. UC Riverside Extension.

**Bachelor of Science in Environmental Science**, August 1993. University of California, Riverside.

## EXPERIENCE

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### TRIAL CONSULTANT, PRESIDENT

August 2005 to Present

**JuriSense**  
**Seal Beach, California**

Assisting attorneys with all aspects of litigation, including mediations, negotiations, focus groups, mock trials, theme development, graphics, communication strategies, preparing expert witnesses, *voir dire* and post-trial interviews.

Assisting with communication, such as reviewing opening statements and closing arguments for consistency with focus group research and themes that resonate with jurors, evaluating demonstrative evidence for clarity and effectiveness in furthering case themes and helping attorneys with storytelling skills, voice and courtroom demeanor.

### ADJUNCT FACULTY

July 2004 to December 2005

**Irvine Valley College**  
**Irvine, California**

Taught Physical, Cultural and World Regional Geography. These courses provide a broad overview of the physical and social sciences, in the context of space; i.e., examining the patterns of human activity and geophysical phenomena by understanding the effects of location.

Physical Geography examines the sun/earth relationship and energy balance, the character of the atmosphere, weather, climate, vegetation, biomes, composition of the earth, plate tectonics, landform development and reduction, water, and the modification and pollution of the earth by humans. Cultural Geography includes population growth, economic development, political organization, cultural and ethnic conflict, the variety of agriculture, the history, growth and patterns of settlement and the rise of industrialism. World Regional Geography provides a systematic study of the major geographic regions of the world, including physiographic features, natural resources, cultural heritage, population characteristics, economic development and future prospects.

**PARK NATURALIST**  
December 2003 to April 2004

**Department of Parks, Recreation & Marine**  
**Long Beach, California**

Led children on educational nature tours at the El Dorado Nature Center, stopping to examine insects, flora and fauna. Maintained the park grounds.

**RESEARCH ASSOCIATE**  
July 2002 to November 2003

**Metzger Law Group**  
**Long Beach, California**

Conducted legal research and wrote responses to motions, prepared subpoenas, researched epidemiological studies, assisted with trial.

**CONSULTANT, PRESIDENT**  
August 2001 to July 2002

**Legal and Scientific Consulting**  
**Santa Barbara, California**

Provided attorneys immediate assistance with legal research and writing, expert witnesses, scientific evidence, trial preparation, negotiations and evaluating environmental documents for law firms, government organizations and private industries in environmental, patent and criminal law.

**CERTIFIED LAW CLERK**  
November 2001 to May 2002

**Santa Barbara County District Attorney's Office**  
**Santa Barbara, California**

Prepared to prosecute several misdemeanor jury trials, but all cases terminated in settlement agreements or guilty pleas before commencing jury selection. Argued before the court for preliminary hearings and sentencing, wrote motions and assisted with all aspects of trial work in the Criminal Division. Wrote a section on negotiation strategy and proofread a chapter of the Environmental Crimes Prosecution Manual, Published by the California District Attorneys Association.

**LAW CLERK**  
February 2001 to April 2001

**Oregon Department of Justice, Natural Resources Section**  
**Salem, Oregon**

Conducted legal research on various topics, including secured transactions, civil procedure, delegation of agency power, public officers' duties and construction liens for property on state land.

**LAW CLERK**  
March 2000 to January 2001

**National Oceanic and Atmospheric Administration**  
**Seattle, Washington**

Developed a statistical method to introduce toxic tort causation evidence following the guidelines established by the Supreme Court's ruling in *Daubert v. Merrell Dow*.

**TEACHING ASSISTANT**  
January 1999 to March 1999

**University of California**  
**Santa Barbara, California**

Ran the laboratory for a Regional Planning and Policy class where the students created detailed plans for a hypothetical city.



**RESEARCH EXPERIENCE FOR UNDERGRADUATES**

June 1992 to August 1992

**National Science Foundation****University of Nevada, Reno**

Conducted original research for an ongoing iron chemistry project at the Leviathan acid mine drainage Superfund Site. Collected and analyzed water samples, submitted an abstract and presented a project overview and results.

**NEWSPAPER FEATURES WRITER**

December 1991 to June 1992

**University of California****Riverside, California**

Interviewed experts in water quality, atmospheric chemistry, soil physics, human health and various other fields to report and analyze environmental issues.

**INTERN ENGINEER**

August 1990 to September 1991

**Loral Aerospace****Newport Beach, California**

Repaired and programmed laser solder inspection equipment. Set up manufacturing machinery and trained inspectors. Translated technical missile electronics manufacturing and process control specifications into simplified instructions for assemblers.

**PUBLICATIONS and PRESENTATIONS** (Please note, Tammy Johnson is my maiden name.)**LITIGATION CONFERENCE PRESENTATIONS**

Metzger, T.R., HarrisMartin's Trial of a Benzene Case Conference

December 8-9, 2008, New York Marriott Marquis Hotel in Midtown Manhattan, NY

Metzger, T.R., HarrisMartin's California Asbestos Conference

September 15, 2008, The Beverly Wilshire Hotel in Los Angeles, CA

Metzger, T.R., HarrisMartin's Asbestos Conference: Trial of a Mesothelioma Case from Jury

Selection to Verdict, June 23-24, 2008, The Peninsula Hotel in Chicago, IL.

Metzger, T.R., HarrisMartin's Benzene Litigation Conference: Trial of a Benzene-Leukemia Case

from Jury Selection to Verdict, December 3-4, 2007, The Westin New York Hotel in New York, NY.

Metzger, T.R., Mealey's Benzene Litigation Conference, December 4-5, 2006, The Ritz-Carlton

Battery Park in New York City.

**PRESENTATIONS WITH PUBLISHED ABSTRACTS**

Johnson, T.R., J. Dozier and J. Michaelsen, *Climate Change and Sierra Nevada Snowpack*, International Union of Geodesy and Geophysics 1999 Meeting, Birmingham, England.

Johnson, T.R., J. Dozier and J. Michaelsen, *Climate Change and Sierra Nevada Snowpack*, American Association of Geographers 1998 Spring Meeting, Boston, Massachusetts.

Johnson, T.R., J. Dozier and J. Michaelson, *Climate Change and Sierra Nevada Snowpack*, American Geophysical Union 1997 Fall Meeting, San Francisco, California.

Johnson, T.R., P. Fohl and J. Dozier, *Climate Change and Sierra Nevada Snowpack*, International Snow Science Workshop ISSW 1996, Banff, Alberta, Canada.

### **PEER REVIEWED PAPERS (Both in Books)**

Johnson, T.R., J. Dozier and J. Michaelson, 1998, [\*Climate Change and Sierra Nevada Snowpack\*](#), Interactions Between the Cryosphere, Climate and Greenhouse Gases, 63-70 (Proceedings of the International Union of Geodesy and Geophysics, Birmingham, England, July 1999), International Association of Hydrological Sciences Publication no. 256.

Johnson, T.R., J. Dozier and J. Michaelson, 1999, *Snowpack Accumulation Trends in California*, 299-304, North Atlantic Treaty Organization Advanced Study Institute, [Ice Physics in the Natural and Endangered Environment](#), Series 1: Global Environmental Change, Vol. 56 (Proceedings of this NATO ASI were held in Maratea, Italy, September 1997).

### **CONFERENCE PAPERS**

Metzger, T.R., *10 Tips for Trial Attorneys*, and *Jury Selection Questionnaire Summaries, Comments and Rankings*, Harris Martin Benzene Litigation Conference December 8-9, 2008, New York City.

Metzger, T.R., *Plaintiff's Jury Selection in a Mesothelioma Case*, and *Jury Selection Questionnaire Summaries, Comments and Rankings*, Harris Martin Asbestos Litigation Conference June 23-24, 2008, Chicago.

Metzger, T.R., *Plaintiff's Jury Selection in a Benzene Leukemia Case*, and *Jury Selection Questionnaire Summaries, Comments and Rankings*, Harris Martin Benzene Litigation Conference, December 3-4, 2007, New York City.

Metzger, T.R., *Plaintiff's View of a Benzene Leukemia Case*, Mealey's Benzene Litigation Conference, December 4-5, 2006, New York City, pp 109-135.

Johnson, T.R., J. Dozier, J. Michaelson and P. Fohl, *River Basin Variations in Sierra Nevada Snowpack Accumulation Trends*, Proceedings of the 65<sup>th</sup> Western Snow Conference, 1997, Banff, Alberta, Canada, pp 310-316.

Johnson, T.R., P. Fohl and J. Dozier, *Climate Change and Sierra Nevada Snowpack*, International Snow Science Workshop ISSW 1996, Banff, Alberta, Canada, pp 29-34.

## OTHER PUBLICATIONS

*Environmental Crimes Prosecution Manual*, Published by the California District Attorneys Association (I authored a section on negotiation strategy and proofread a chapter written by Deputy District Attorney John Fentis.)

*Remedial Investigation, Feasibility Study, Installation Restoration Program (RI/FS IRP) March Air Force Base, CA.* (I wrote the chapters for Sites 37 and 38, PCB spill sites, summarizing the investigation efforts and results, including risk assessments and remediation strategies.)

*Toxic Hot Spots Emissions Plans and Reports, Stormwater Pollution Prevention Plans, Emergency Response Plans and Waste Reduction Plans* (I authored these regulatory reports for small to medium-sized California companies.)

*The Highlander*, UC Riverside. (I wrote features articles on water quality, atmospheric chemistry, soil physics, human health and various other fields to report and analyze environmental issues.

Johnson, T.R., *The Resolution*, in Rapisarda, J., ed., Holding on to Forever: The International Library of Poetry at 181 (Watermark Press, Owings Mills, MD 2001).

## SEMINARS

*Climate Change, Butterfly Extinctions and Sierra Nevada Snowpack*, Environmental Science Department at the University of California, Riverside, April 1999.

*Climate Change and Sierra Nevada Snowpack*, Hydrology Group of the Center for Advanced Studies, Research and Development in Sardinia, Italy, September 1997.

*Snow Science Statistics*, Statistics Department at the University of California, Santa Barbara, January 1997.

## RESEARCH AND GRANTS

University of Nevada	Reno, NV	National Science Foundation	1992
Original research for iron chemistry project at a Superfund Site, submitted abstract, presentation.			
NATO Advanced Study Institute	Maratea, Italy	North Atlantic Treaty Org.	1998
IUGG Annual Meeting	Birmingham, UK	Am. Geophysical Union	1999
University of California	Santa Barbara, CA	NASA funded M.A.	1995-1998

## PUBLIC SERVICE

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Member of Board of Directors of [Friends of the Los Angeles River](#) (FoLAR)  
Long Beach [Community Emergency Response Team](#) (CERT) member

Graduate representative to UC Santa Barbara's Geography Department faculty meetings  
Geography representative to UC Santa Barbara's Graduate Student Association  
Vice President of Association of Environmental Professionals, UC Riverside Chapter  
Volunteer Planetarium Lecturer at the Santa Barbara Museum of Natural History  
Geography Awareness Week presentations for local grade school children

## **COURSEWORK**

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### **Core Law Courses**

Administrative Law  
Advanced Legal Research  
Civil Procedure  
Constitutional Law  
Contracts  
Criminal Law  
Criminal Procedure  
Evidence  
Legal Writing  
Professional Responsibility  
Property  
Remedies  
Torts  
Wills and Trusts

### **Environmental / ADR / Criminal / Trial Courses**

Alternative Dispute Resolution  
Arbitration Practice  
Criminal Internship – Santa Barbara  
District Attorney’s Office  
Criminal Practice Seminar  
Environmental Law  
Environmental Litigation  
Environmental Regulation  
International Trade and the Environment  
Interviewing, Counseling, and Planning  
Land Use Planning  
Law / Science / Environment Seminar  
Mediation  
Mock Trial  
Negotiation and Settlement Advocacy  
Trial Procedure  
Water Law

## **ENVIRONMENTAL MANAGEMENT**

Environmental Economics  
Environmental Impact Analysis  
Internship in Environmental Sciences  
(Assistant to Board Member of the  
South Coast Air Quality  
Management District)  
Regional Planning and Environmental Policy  
Workshop in Environmental Management

## **HAZARDOUS MATERIALS MANAGEMENT**

Environmental Fate of Hazardous Substances  
Environmental Toxicology and Risk  
Assessment  
Hazardous Materials Management  
Health and Safety Training for Hazardous  
Waste Workers (40-Hour OSHA  
training)  
Regulatory Framework for Toxic and  
Hazardous Substances

## **GENERAL SCIENCES** (one year for each)

Astronomy  
Biology  
Chemistry  
Environmental Science  
Geology  
Organic Chemistry  
Physics

## **ATMOSPHERIC SCIENCES**

Chemistry of the Clean and Polluted  
Atmosphere  
Global Warming

## **HYDROLOGIC SCIENCES**

Advanced Snow Hydrology  
Environmental Hydrology  
Limnology (study of surface waters)  
Oceanography  
Thermohaline Circulation (global oceanic  
circulation patterns)  
Water Quality Control  
Water Resources

## **SOILS AND EARTH SCIENCES**

Bioremediation  
Geomorphology  
Soil Science

## **ANALYTICAL METHODS**

Analytical Methods for Geographers (linear algebra,  
vector analysis, differential equations,  
Fourier transforms and least-squares  
estimation)  
Avenue (Arcview's GIS programming language)  
Basic Programming  
Calculus  
Geographical Information Systems (GIS)  
Geographic Research Methods  
Group Studies (analyzed notable scientific studies,  
identifying useful findings and errors)  
Remote Sensing and Environmental Optics  
Spatial Statistics  
Statistics

## **ANTHROPOLOGY / SOCIOLOGY**

Cultural Anthropology  
Cultural Geography  
Physical Anthropology  
Race and Ethnicity  
Sociology of the Family  
World Regional Geography

## **COMMUNICATION**

Communication Fundamentals  
Computational Concepts in Geography (incl. web  
page development)  
Creative writing  
Instructional Development (effective teaching  
methods, considering how students learn)  
Persuasive Speaking and Writing (Environmental  
Seminar)  
Speech  
Speed Reading/Comprehension Training

## **HISTORY / POLITICAL SCIENCE / PHILOSOPHY**

American Government  
Contemporary Earth Issues  
Philosophy  
United States History  
World History

## **PSYCHOLOGY**

Abnormal Psychology  
Child Psychology  
Cognitive Psychology  
Psychology  
Psychology of Adjustment  
Social Dynamics and Conflict Resolution in  
Environmental Management