

CURRICULUM VITAE

I am a forest hydrologist with diverse experience in all aspects of natural resources, their management, and related policy. I help facilitate communication and leadership that bridges gaps between scientists, practitioners, executives, tribes, and policy makers. I provide strengths in organization, communication, honesty and character to overcome the challenges we face as a society in balancing natural resource management objectives and positively influencing the simultaneous use, and conservation, of our most valuable resources.

NAME: Mark V. Corrao

DATE: March 8, 2017

TITLE: Hydrologist – Northwest Management Incorporated

EDUCATION:

Doctor of Philosophy, Water Resource-Science, Management, and Policy 2015
University of Idaho, Moscow, ID

Masters of Science, Watershed Science, Emphasis Snow Hydrology 2007
Colorado State University, Fort Collins, CO

Bachelors of Science, Forestry Resources and Ecosystem Management 2004
University of Idaho, Moscow, ID

PROFESSIONAL WORK EXPERIENCE

Hydrologist and Partner: Northwest Management, Inc., Moscow, ID June '10 – Present

Environmental Senior Analyst: Dept. of Envi. Quality, Cheyenne, WY Nov '09 – June '10

Water Resource Specialist: Dept. of Natural Resources, Billings, MT May '08 – Nov '09

Field Engineer: Hydro Construction Co. Inc., Fort Collins, CO Feb '07 - April '08

TRAINING AND CERTIFICATIONS

AIH - Professional Hydrologist Surface Water (PH) (License No. 15-H-7006), 2015

Certified Professional in Erosion and Sediment Control (License No. 7722), 2014

Wetland Delineation Certification Y-87-1 Army Corps of Engineers, 2011

Storm Water Management in Urban Areas, 2008

Inspector & Contractor Erosion Control Certification, 2007

PADI Advanced Diver, Specialties: Navigation, Deep water, Dry Suit, Current

Eagle Scout, 1998

PUBLICATIONS

- (1) Corrao, M. V., T. Link, R. Heinse, and J. U. H. Eitel. (2017) Modeling of terracette-hillslope soil moisture as a function of aspect, slope and vegetation in a semiarid environment. *Earth Surface Processes and Landforms Journal*, (accepted)
- (2) Corrao, M.V., and S. Andringa. (2016) Anchor Forests and Tribal Lifeways to Improve Ecosystem Resilience and Maintain Working Forests. *Journal of Forestry – Special Issue Tribal Forestry (Invited Article)*, (Accepted)
- (3) Corrao, M. V., R. Heinse, J.U.H. Eitel, and T.E. Link (2016). Soil Moisture Differences between Terracette Benches and Risers on Semiarid Rangeland Hillslopes. *Vadose Zone Journal* Vol. 15(1): 1-10.
- (4) Corrao, M. V., B. Cosens, R. Heinse, J.U.H. Eitel, and T.E. Link (2015). Using science to bridge management and policy: Terracette hydrologic function and water quality best management practices in Idaho. *Rangelands Journal* Vol. 37(5):191-199.
- (5) Corrao, M. V. (2015), Terracette Soil Moisture Patterns in Semiarid Rangelands as a Tool to Inform Sustainable Best Management Practices and Bridge Water Resource Science, Management, and Policy. Doctor of Philosophy, Dissertation, University of Idaho. 93.
- (6) Corrao, M. V. and J. A. Erixson (2012), Natural resource condition assessment: Hagerman Fossil Beds National Monument. Natural Resource Report NPS/UCBN/NRR—2012/599. National Park Service, Fort Collins, Colorado.
- (7) Erixson, J. A. and M. V. Corrao (2012), Natural resource condition assessment: City of Rocks National Reserve. Natural Resource Report NPS/UCBN/NRR—2012/600. National Park Service, Fort Collins, Colorado.
- (8) Erixson, J. A. and M. V. Corrao (2012), Natural resource condition assessment: Craters of the Moon National Monument and Preserve. Natural Resource Report NPS/UCBN/NRR—2012/602. National Park Service, Fort Collins, Colorado.
- (9) Corrao, M. V. and J. A. Erixson (2011), Natural resource condition assessment: Big Hole and Bear Paw National Battlefields of the Nez Perce National Historical Park. Natural Resource Report NPS/UCBN/NRR-2011/471. National Park Service, Fort Collins, Colorado.
- (10) Fassnacht, S. R., J. D. Stednick, J. S. Deems, and M. V. Corrao (2009), Metrics for assessing snow surface roughness from digital imagery, *Water Res. Research* Vol. 45
- (11) Fassnacht, S.R., M.W. Williams, and M.V. Corrao (2009), Changes in the surface roughness of snow from millimetre to metre scales, *Ecological Complexity* Vol. 6

PRESENTATIONS:

- (1) The Association of Consulting Foresters National Conference 2017. Keynote Speaker address. “Working Across a Watershed: Bridging Hydrology, Forestry and Policy”. May 20-23, Tahoe, CA.
- (2) The Society of American Foresters & The Intertribal Timber Council Joint Conference 2016. Partnership Opportunities with Indian Forestry: A Tribal Perspective. Speaker by

invite. “Thinking Outside the Watershed: How Anchor Forests can help Strengthen Applied Management”. October 5-7, Spokane, WA

- (3) National Forest Foundation 2016. Collaborative Restoration Workshop: Working toward resilient landscapes and communities. (Panel Speaker by invite) April 26-27, Denver, CO
- (4) Intertribal Timber Conference 2016. Fortieth Annual National Indian Timber Symposium: hosted by the San Carlos Apache Tribe. April 4-7, San Carlos, AZ
- (5) Bureau of Indian Affairs 2016. National Forestry and Wildland Fire Conference. Partnering for productive forests. March 22-24, Albuquerque, NM
- (6) Corrao, M.V., T.E. Link, J.U.H. Eitel, B. Cosens, and R. Heinse. Terracette Influences on Spatial Patterns of Soil Moisture in a Semiarid Rangeland Environment. Presentation: Hydrophiles Water Research Symposium - Oregon State University. Corvallis, OR. April 26 – 28, 2015.
- (7) Corrao, M.V., T.E. Link, J.U.H. Eitel, B. Cosens, and R. Heinse. Terracette Soil Moisture Patterns in Semiarid Rangelands as a Tool to Inform Sustainable Best Management Practices and Bridge Water Resource Science, Management and Policy. Doctoral Dissertation Defense: University of Idaho, Moscow, Idaho April 24, 2015.
- (8) Corrao, M.V., J.U.H. Eitel, T.E. Link, and R. Heinse. Microtopography, Soil Moisture and BMPs: Resource Management of Semiarid Lands in Idaho. Presentation: American Water Resource Association – Integrated Water Resource Management Conference, Reno, NV. June 30 – July 2, 2014.
- (9) Corrao, M.V., J.U.H. Eitel, T.E. Link, and R. Heinse. Hillslope terracettes and vadose zone hydrology: implications for natural resource management. National Science Foundation Idaho EPSCoR Annual Meeting, McCall, ID, October 7 – 8, 2013.

PROFESSIONAL CONTINUING-EDUCATION CREDIT COURSES

- Law Seminars International. 2015. Waters of the U.S. – TeleBriefing. (2 hours), June 11.
- Foresters Forum 2014. Integrated forest and water resource management in the forest products industry. Coeur d’Alene, ID, February 4-6.
- Foresters Forum 2013. Promoting professional growth in the forest products industry. Coeur d’Alene, ID, February 2-4.
- Law Seminars International 2012. Water law in Idaho; Updates on new legal, regulatory and business issues affecting water use. Boise, ID, September 24-25.
- Law Seminars International 2011. Water law in the Inland Northwest; Eastern WA, Northern ID, Western MT. Spokane, WA, March 17-18.