

JESSE WANSKASMITH

PO Box 16282, Missoula, MT 59808

206 854-4486

email: jesse@wanska.com

Writing/Research Portfolio: <http://www.wanska.com/jesse/>

SKILLS

WRITING

Watershed Assessment, Restoration
& Monitoring Plans
Aerial Photo Interpretation
Interview Analysis
Advertising, Graphic Design
Website Webmaster

SOFTWARE

ArcGIS & Tools
SPSS
SPRING
FUSION
Microsoft Suite
Adobe Suite

COMMUNICATION

Team Leader
Media Contact
Interviewer
Community Contact

• Hydro-modification Research Writing

- Experience in the research of the development of a green economy in the Snake River basin. My thesis analyzed the perceptions of river users of the lower-four Snake River hydroelectric projects and compared them to the economic considerations for the potential of the removal of the projects. This research project involved an extensive literature review, in-field interviewing, data analysis and a project method report.

• Remote Sensing Data Interpretation

- Experience in evaluation of geospatial project needs with respect to the hyperspatial, hypertemporal, hyperspectral and quantization extents of data. Analyses performed include: interpretation and manipulation of aerial photography, satellite imagery, and LiDAR. Analyses were performed with FUSION and SPRING software packages. Processes included: computer aided segmentation programming, surface classification and accuracy assessment.

• Geospatial Analysis

- Experience in use of the ArcGIS Arc Map, Arc Catalog, Spatial Analysis tools, Arc Hydro and HEC RAS Hydro analysis toolkits. Projects with the Arc suite included creation and maintenance of geodatabases which included building feature class relationships such as geometric networks and topology rules. Use of Arc Hydro and HEC RAS included the building of a drainage analysis model from DEM LiDAR data and stream network data. Additionally, experience includes working with crime data identifying statistically significant attribute indicators of crime and use of predicted A1 climate change precipitation, 3D modeling of stream segments and temperature changes to identify extent of changes to a regions water resource.

• Stream Restoration

- Experience includes process-based recognition of restoration projects. This includes familiarity of geomorphological processes, including hill-slope processes of sediment as it moved through the system from source to deposition. Hands-on experience with landscapes that include glacial melt rivers, mountain streams, post glacial Holocene valleys, floodplain sloughs, and delta and estuary formations. Experience in fisheries sampling techniques, fisheries population estimation, proper management of allowable harvest, and writing of stream restoration proposals.

• Additional Notable Research Experience

- Conducted an industry performance review of Corporate Sustainability Reports. Included analysis of company financial statements and competitor analyses. Developed detailed literature review of scientific articles and developed theory-building analysis of future of corporate sustainability development.

- Conducted field research on raven behavior working with wildlife managers and wildlife populations in strategic public and private lands in Montana and Wyoming. Included study of interrelationships between wild animals and humans, including encouragement of wildlife population growth and productivity, control of pest populations, and preservation of endangered species with emphasis on forest environments and forest faunas.

EDUCATION

- **Bachelor of Arts in Environmental Studies** 2011
University of Washington, Seattle, Washington
- **Associate of Science and Associate of Arts Degree Photography** 2008
Spokane Falls Community College, Spokane, Washington

RESEARCH PROJECTS – Full text available at: <http://www.wanska.com/jesse/>

1. Integration of Climate Prediction Models with Biologic and Water Resources Data in a GIS
2. The Importance of Accurate Measures of Snow Water Equivalent in Determining Potential Loss of Snow-Dominated Runoff Regimes in Washington
3. Historical Aerial Photos – An Element of Historical Landscape Reconstruction
4. The Columbia River: A Transition in Regional Employment, Are there Solutions to the Northwest Salmon Crisis?
5. Snake River Dams and River Users: The Research Process
6. Undercurrents of the Upper Columbia River
7. Hydropower in China: Following the U.S. Hydro Development Framework?
8. Hydro-mitigation efforts by the Spokane and Colville Confederated Tribes
9. Stillaguamish River Basin Watershed Assessment 2010
10. Proposed Restoration Actions for the Stillaguamish River Basin
11. Proposed Monitoring of Restoration Actions for the Stillaguamish River Basin

ADDITIONAL BUSINESS EXPERIENCE

- Experience in business and community leadership positions including community outreach and small business. Skills include business plan drafting, financial worksheets, filing tax returns, website design, advertising graphic design, high-quality printing lithography using off-set and Epson large format machines. Customer interactions includes front of house sales, customer service, Chamber of Commerce membership and business event tabling.

WORK HISTORY

- Photographer, First Light Photography 05/08 – Present
- Staff Photographer, Communicator Newspaper 03/08 – 08/08
- Co-Owner, Spokane Fine Art Printing, Spokane, WA 11/06 – 08/07
- Associate, The Davenport Hotel & Tower, Spokane, WA 08/06 – 08/07
- Associate, Vashon Golf and Country Club, Vashon, WA 09/05 – 07/06