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## **Catherine M. Kirkland**

### Engineering in Training

#### **EDUCATION**

B.S. Civil Engineering, Montana State University, Bio-Resources option

Certificate in Social Sciences, International Development Studies Option, International School for Humanities and Social Sciences, Universiteit van Amsterdam, Amsterdam, The Netherlands, 2002

B.A. in Anthropology and Sociology, Rhodes College, Memphis, TN, 1997

#### **SPECIALIZATION**

Environmental Engineering, Hydrological Analysis, Advanced Hydrology, Septic Design & Permitting, Land Use and Conditional Use Permits, Hydraulics, DEQ Submittals, Stormwater Master Planning, Engineering Design Graphics Lab, Construction Practice, Surveying, Business Management and Organization, Financial and Managerial Accounting. Software experience: AutoCAD Land Development, AutoCAD Civil 3D, Flowmaster, StormCAD, WaterCAD, Microsoft Project, Adobe Photoshop, and SpectraPave.

#### **RELEVANT EXPERIENCE**

Engineer Intern – Genesis Engineering, Inc., Bozeman, MT, 5/2008 - Present

- J&D Family Subdivision, Mixed Use Subdivision, Bozeman, MT
- Billion AutoPlaza II, Dealership Siteplans, Bozeman, MT
- YP Big Sky, 1600 Acre Private Mountain Resort Development
- North Pass, Septics, LUPs, CUPs & Annexation, Bozeman, MT
- Moondance HOA – Road Pavement Assessment, Big Sky, MT
- Magalsky, DEQ Submittal & Annexation, Clyde Park, MT
- 320 Ranch, Septic Design & Remediation, Big Sky, MT
- Pond & Stream Consulting, Historical Floodplain Geomorphology, Bozeman, MT
- On Site Management, Septic Design & Permitting, Big Sky, MT
- Skyline Surveying, DEQ Submittals and Septic Design & Permitting, Bozeman, MT

#### **OTHER EXPERIENCE**

- **Solar Project Coordinator**, BioRegions International, Bozeman, Montana, 3/05 – 6/07  
Conducted technical and social science research in a remote Mongolian community to establish and improve access to sustainable electric power for vital services.
- **Outreach Director**, Central Asia Institute, Bozeman, Montana, 1/03 – 7/04  
Assisted donor development, improved donor relations, managed and analyzed database, enhanced program development and implementation.  
database increased from 1,600 contacts to more than 11,000 during 18 month tenure  
annual donations increased from \$450,000 in 2002, to \$1,100,000 in 2003, to \$800,000 within the first 7 months of 2004