

**MATTHEW T. ZUNKER**  
**Marine Geologist/Geophysicist**

Contact Information:

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**SUMMARY OF QUALIFICATIONS**

- Highly skilled technical writer.
- Knowledge of marine geology, hydrographic surveys, and offshore geologic hazard analysis.
- Experienced with geophysical data reduction software, including SonarWeb/SonarWizMap, Kingdom Suite, Excel, Surfer, and AutoCAD.
- Proficient at data analysis, interpretation and reporting.
- Experienced seismic, hydrographic, and geophysical mapping, as well as sonar mosaic construction.
- Skilled in field geology, especially sedimentary processes, and integrating field interpretations with acquired data.
- Experienced with drill rig and geotechnical engineering operations.
- Highly skilled in desktop study research and compilation.

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**EXPERIENCE**

10/09-Present *GEO-MARINE TECHNOLOGY*                      Position:  
Missoula, Montana    Geologist

Interprets and analyzes high-resolution geophysical data, including: sonar, shallow penetration acoustic systems, magnetometer, navigation data and hydrographic mapping. Specific duties include: sonar mosaic construction and interpretation, geophysical data integration, geologic hazard interpretation and reporting. Interpretation and mapping is based on an AutoCAD mapping platform.

Matt is a highly skilled researcher and technical author and as such plays an integral part in comprehensive desk top study production.

9/06-Present *SUSSEX SCHOOL*                                      Position:  
Missoula, Montana    Math Instructor

Creates and teaches Middle School mathematics curricula, including: number theory, irrational numbers, algebraic systems, data interpretation and modeling, linear/quadratic/exponential functions, real-world applications including the math and science of DUI, Fibonacci sequences and the mathematics of the Great Pyramid of Giza.

2004-2008 *THE UNIVERSITY OF MONTANA*                      Position:  
Missoula, Montana    Adjunct Instructor

Instructed Introduction to Geology and Introduction to Geology Lab during Summer Sessions of 2006-2008, and the Environmental Geology course during the Fall semester of 2004 for the Geology/Geoscience department.

2002-2005 *THE UNIVERSITY OF MONTANA*                      Position:  
Missoula, Montana    Teacher Assistant

Assisted the teaching of Physical Science for Education majors during Fall semesters of 2002-2005 with the Physics department, and taught the Introduction to Geology Lab during Spring semesters of 2003-2004 for the Geology/Geoscience department.

## EXPERIENCE con't

2000-2001 *TERRACON* Position  
Ft. Collins, Colorado Field Geologist

Geologic mapping, drill core logging, and rock/soil assessment of lots in commercial and residential developments.

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## EDUCATION

9/01-Present *THE UNIVERSITY OF MONTANA* PhD, GEOLOGY  
Missoula, Montana

Dissertation topic is the patterns and processes of three-dimensional flow current ripples at Netarts Bay, Oregon. 4.00 GPA for all graduate courses, including an NSF-funded doctoral fellowship from the Center for Learning and Teaching West (CLTW) to understand and mitigate the underrepresentation of American Indians in math and science. Completion of graduate degree is pending dissertation defense and publication.

9/97-12/99 *THE UNIVERSITY OF MONTANA* BA, Geology  
Missoula, Montana

Graduated with high honors on the Western Undergraduate Exchange scholarship with an overall GPA of 3.83 and a geology specific GPA of 4.00

1995-1997 *ARAPAHOE COMMUNITY COLLEGE* CORE Courses  
Littleton, Colorado

1994 (Fall) *RED ROCKS COMMUNITY COLLEGE* CORE Courses

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## EQUIPMENT AND TECHNICAL

The following lists geological/geophysical data types and processing software that Mr. Pallister has hands on experience with

**SOFTWARE:** SonarWeb/SonarWizMap (Chesapeake Technology), SeaLink magnetometer acquisition software, Kingdom Suite (Seismic Micro Technology.), TideWizard, AutoCAD, Land Desktop, Raster Design, Surfer 8.0, CorelDRAW12, Adobe Illustrator, Adobe Photoshop, MagMapper, Mcontroller gas detection software, Pason and RigWatch rig monitoring software, Microsoft Office, as well as many other DOS based data processing utilities developed by GEO-MARINE TECHNOLOGY.

**DATA FILE TYPES:** SEG-Y file editing/manipulation, XTF, side scan sonar data processing, and navigation data analysis/manipulation.

**COMPUTER:** PC and Macintosh systems, plotters, communications interfaces, construction and maintenance, and networking.

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