Fair Use Evaluation Documentation

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Name: David Mercier
Job Title: Master's Student
Institution: Virginia Polytechnic Institute and State University
Copyright Holder: Coombs, M.
Publication Status: Published
Publisher: United States Geological Survey
Place of Publication:
Publication Year: 2006
Description of Work: Describes an event on volcanic unrest at Mt. Spurr, Alaska
Date of Evaluation: February 10, 2014
Date of Intended Use: February 10, 2014

Describe the **Purpose** and Character of Your Intended Use:

[+] Use is for scholarship or research

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Page 1
Describe the **Nature** of Your Intended Use of the Copyrighted Work:

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<tr>
<th>Fair</th>
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Describe the **Amount** of Your Intended Use in Relation to the Copyrighted Work as a Whole:

[+] Only limited and reasonable portions will be used

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[see tool disclaimer for important clarifying information]:

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Revised May 10, 2006

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Date of Signature: 10 Feb 2014

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Name: David Mercier
Job Title: Master's Student
Institution: Virginia Polytechnic Institute and State University
Title of Work Used: Catalog of Earthquake Hypocenters at Alaskan Volcanoes: January 1 through December 31, 2002. USGS Open File Report 03-267
Publication Status: Published
Publisher: United States Geological Survey
Place of Publication: 2003
Publication Year: 2003
Description of Work: A figure pertaining to the geographic coordinates and depths of hypocenters of earthquakes pertaining to my research.
Date of Evaluation: February 10, 2014
Date of Intended Use: February 10, 2014

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![Fair](unfair)

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Fair Unfair

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Name: David Mercier
Job Title: Master's Student
Institution: Virginia Polytechnic Institute and State University
Title of Work Used: Fumarolic gas chemistry (1982) and thermal spring water chemistry, crater peak (1985), Mount Spurr, Alaska. Short Notes on Alaskan Geology Alaska Department of Geological and Geophysical Survey Professional Report 113
Copyright Holder: Motyka, R.J. and Nye, C.J.
Publication Status: Published
Publisher: Alaska Department of Geological and Geophysical Survey
Place of Publication:
Publication Year: 1993
Description of Work: I have used a figure showing a conceptual model of a hydrothermal system beneath the Mt. Spurr volcanic complex. The work concerns geochemical and geophysical data concerning the existence of the hydrothermal system and its possible temperature.
Date of Evaluation: February 10, 2014
Date of Intended Use: February 10, 2014

Describe the **Purpose** and Character of Your Intended Use:

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[see tool disclaimer for important clarifying information]:

Fair

Unfair

Other Important Criteria:

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Name: David Mercier
Job Title: Master's Student
Institution: Virginia Polytechnic Institute and State University
Title of Work Used: Renewed Unrest at Mount Spurr Volcano, Alaska
Copyright Holder: Power, John (USGS) and possibly John Wiley & Sons, Inc. via The American Geophysical Union (AGU)
Publication Status: Published
Publisher: Eos (American Geophysical Union Transactions), Vol 85, Issue 43
Place of Publication:
Publication Year: 2004
Description of Work: A one page article, the figure of which shows a bar chart of USGS data concerning earthquake counts over time from 1990 to 2004.
Date of Evaluation: February 10, 2014
Date of Intended Use: February 10, 2014

Describe the **Purpose** and Character of Your Intended Use:

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Name: David Mercier
Job Title: Master's Student
Institution: Virginia Polytechnic Institute and State University
Title of Work Used: Gas emissions from failed and actual eruptions from Cook Inlet Volcanoes, Alaska, 1989-2006
Copyright Holder: Werner, C.A., Doukas, M.P. and Kelly, P.J.
Publication Status: Published
Publisher: Bull Volcanol, 73(2): 155-173
Place of Publication:
Publication Year: 2011
Date of Evaluation: February 10, 2014
Date of Intended Use: February 10, 2014

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![Fair Use Scale](image)
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![Fair](true) ![Fair](false) ![Fair](false) ![Fair](false) ![Fair](false) ![Fair](false) ![False](false)

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![Fair](true) ![Fair](false) ![Fair](false) ![Fair](false) ![Fair](false) ![Fair](false) ![False](false)
A Quantitative Analysis of a Non-Eruptive Volcanic Event: 
Mt. Spurr, Alaska, 2002-2006

David Mercier

Thesis submitted to the faculty of the Virginia Polytechnic Institute and State University
in partial fulfillment of the requirements for the degree of

Master of Science
in
Geosciences

Committee:

Robert P. Lowell, Chair
John A. Hole
Esteban Gazel

29 Jan 2014
Blacksburg, VA

Keywords: Hydrothermal, Mt. Spurr, Unrest, Volcano
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<td>Cynthia A. Werner</td>
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