

# 2009 Virginia Water Research Conference

October 15-16, 2009

Trani Center for Life Sciences  
Virginia Commonwealth University  
Richmond, Virginia

## Author Guide for Papers

- Margins:** Use **1.0 inch** on **all sides** of a standard **8.5 x 11 sheet**
- Spacing:** **Single-spaced.** Include 1 blank line following the paper title, key words, headings, last line of each section, *etc.* Include 2 blank lines before the key words. Include two spaces between sentences. (Use Format Setup as an example)
- Font:** Use **Times** or **Times New Roman, 12-point type size** throughout entire paper, including title and headings
- Length:** **6-12 single-spaced pages** including figures, tables, and references
- Order:** Title, Author Name(s) and Contact Information, Abstract (150-250 words or less), Introduction, Methods, Results, Discussion, Acknowledgments, and References
- Title:** Should be no more than 12 words. **Center.** Use **all capital letters** and **bold** lettering. (Use Format Setup as an example)
- Headings:** **Center** all headings (except “Key Words”). Use **all capital letters** and **bold** lettering. (Use Format Setup as an example)
- References:** List alphabetically and follow the format shown in Reference Examples.

**Do not number the pages.**

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Mail one hard copy of the paper. The hard copy should include page numbering written lightly in pencil and sent to:

Mr. Patrick Fay  
Virginia Water Resources Research Center  
210 Cheatham Hall (0444)  
Virginia Tech  
Blacksburg, Virginia 24061

Papers for publication in the proceedings must be received by **October 1, 2009**.

If you have questions, contact Jane Walker ([jnewalk@vt.edu](mailto:jnewalk@vt.edu)) or Patrick Fay ([pfay@vt.edu](mailto:pfay@vt.edu)) at the addresses listed above or call (540) 231-4159.

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## TITLE

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**KEY WORDS:** 3 to 5 words describing paper content, left justify, use all lower case letters except for proper nouns

## ABSTRACT

Abstract is to be 150-250 words. Summarize concisely the contents of the paper. Left justify.

## INTRODUCTION

Sections should be left justified. Do not indent paragraphs. Insert 1 blank line between paragraphs. Follow same procedures for other sections (*e.g.*, METHODS, RESULTS AND DISCUSSION, and CONCLUSIONS).

Referenced information should be cited by the last name of the author(s) and year of publication. When listing several works, organize chronologically with the oldest publication listed first. Example: (Kilgore 2004, Doe *et al.* 2008, Webb and Ace 2009). **Do not use footnotes in the body of the manuscript.** Subheadings should follow the example below: left justified and bold.

### Tables and Figures:

Place tables and figures within the body of the text. Tables and figures should be centered (with no text wrapped around them). Fit within the one-inch margins. For tables, place the title above the table (centered, bold). For the figures, place the title below the figure (centered, bold). Capitalize the first word of the caption and all proper nouns. Number consecutively all tables and all figures. (See Text and Table Example)

## ACKNOWLEDGEMENTS

Acknowledgements should be left justified.

## REFERENCES

List alphabetically and follow the format shown in Reference Examples.

### Text and Table Example:

The numerical criteria for dissolved oxygen, pH, and maximum temperature are given in Table 1. All measured dissolved oxygen, pH, and maximum temperatures within the stream segments met the numerical criteria for their water classifications, thereby eliminating these parameters as probable stressors.

**Table 1. Numerical criteria for dissolved oxygen, pH, and maximum temperature.**

Water Class	Dissolved Oxygen (mg/L)		pH	Maximum Temperature (°C)
	Minimum	Daily Mean		
IV Mountainous	4.0	5.0	6.0-9.0	31
V Stockable	5.0	6.0	6.0-9.0	21

For example, Mill Creek, Stoney Creek, and Babbling Brook are Class IV streams (Mountainous Zone). All pH values within the streams fell between 6.0-9.0, with the lowest pH being 6.5 in Mill Creek and the highest being 8.3 in Babbling Brook. The maximum allowable temperature for the class is 31°C, which is considerably higher than the highest temperature recorded in the summer conditions (24°C). Minimum dissolved oxygen values of 4.0 mg/L and daily averages of 5.0 mg/L were also met for these streams.

### Reference Examples:

Barbour, M.T., J. Gerritsen, B.D. Snyder, and J.B. Stribling. 1999. *Rapid Bioassessment Protocols for Use in Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates and Fish*. Second Edition. EPA 841-B-99-002. U.S. Environmental Protection Agency, Office of Water, Washington, D.C.

EPA (U.S. Environmental Protection Agency). 2002. *Drinking Water from Household Wells*. EPA 816-K-02-003. U.S. Environmental Protection Agency, Washington, D.C. 19 pp.

Hellawell, J.M. 1986. *Biological Indicators of Freshwater Pollution and Environmental Management*. Elsevier Applied Science Publishers, New York, N.Y. 546 pp.

Maille, P. and A. Collins. 2007. Farmers as producers of clean water: getting incentive payments right. In: *Proceedings: 2007 Virginia / West Virginia Water Research Symposium*. A. Constantinescu (Editor). Virginia Water Resources Research Center, Virginia Tech, Blacksburg, Va. pp. 270-278. <http://www.vwrrc.vt.edu/proceedings.html> (accessed April 10, 2009).

Minor, E.C., J.-P. Simjouw, and M.R. Mulholland. 2006. Seasonal variations in dissolved organic carbon concentrations and characteristics in a shallow coastal bay. *Marine Chemistry* 101: 166-179.