

Theses & Dissertation CERTIFICATE OF APPROVAL

*This form serves as the official record of MANUSCRIPT APPROVAL and is submitted to the Graduate School
WITH THE STUDENT'S FINAL MANUSCRIPT paperwork. (Please fill in electronically)*

STUDENT INFO

Name	CONNELLY, Shanon M <i>(last name, first name, middle initial)</i>		USF ID# <i>(type numbers only)</i>	U 4120 - 5928	
USF College	Arts and Sciences	Degree	Masters - Thesis	Degree Program <i>(i.e. -Chemistry)</i>	Environmental Science and Policy
Manuscript Title	Mapping Soil Moisture at a Regional Scale Using Integrated Remote Sensing, GIS, and Radar Precipitation: A Comparative Study				

PUBLICATION APPROVAL

Student Agreement:

- I hereby certify that, if appropriate, I have obtained and attached hereto a written permission statement from the owner(s) of each third party copyrighted matter to be included in my thesis or dissertation allowing distribution as specified below.
- I certify that the version I submitted is the same as the final copy approved by my advisory committee.
- I hereby grant to USF and its agents the non-exclusive license to archive and make accessible my thesis or dissertation in whole or in part in all forms of media, now or hereafter known. I retain all other ownership rights to the copyright of the thesis or dissertation. I also retain the right to use in future works (such as articles or books) all or part of the thesis or dissertation.

Electronic Submission *(required as of Fall 2005).*

Document to be submitted electronically (ETD) and archived under the release option noted both on this form and in the online final submission system when the PDF file is uploaded. If a restriction has been noted, the publication will be released for worldwide access approximately one year from the date of final approval by the USF Graduate School. Release options include (**Select One - please fill in electronically**):

- Worldwide Immediate Publication Access **OR** Publication Release Embargo of one (1) year.

Note: Access information is also selected in the online system. Selections for both this paper form and in the online system **MUST MATCH** or the release information will be invalid and the manuscript will be released immediately for worldwide access.

COMMITTEE / COLLEGE APPROVALS

APPROVAL OF MANUSCRIPT:

Review and Acceptance by Committee and College:

The aforementioned manuscript has been reviewed and approved to meet the thesis or dissertation requirement by the student's supervisory committee. The undersigned agree to abide by the statements above, and confirm that this Certificate of Approval Form serves as confirmation that the thesis/dissertation defense has been successfully completed and that the thesis or dissertation, including the Abstract, is approved and ready for submission and publication through the University Graduate School.

	Full Name and Degree	Signature – BLUE or BLACK INK ONLY <i>(MUST be signature of person listed)</i>	Date Signed <i>(required)</i>
STUDENT	Shanon Connelly	<i>Shanon Connelly</i>	7/15/10
Major Professor <i>(Click on box, choose applicable)</i>	Barnali Dixon, Ph.D.	<i>Barnali Dixon</i>	7/15/10
Member <i>(Click on box, choose applicable)</i>	Jeffrey Basara, Ph.D.	<i>Jeffrey Basara</i>	6/25/10
Member	Rebecca Johns, Ph.D.	<i>Rebecca Johns</i>	6/25/10
Member	Henri Alegria, Ph.D.	<i>Alegria</i>	6/25/10
Member			
Member			

VERIFICATION OF COMMITTEE:

Committee verification by the Associate Dean of the College, or by the Dept. Program Director (in the Colleges of AS & BCS), attests to the accuracy of the committee listed above and of each members signature, and that only the appropriate committee members are signatories.

Committee Verification	Melanie Riedinger-Whitmore, Ph.D.	<i>Melanie Riedinger-Whitmore</i>	7/14/10
-------------------------------	-----------------------------------	-----------------------------------	---------

Melanie Riedinger-Whitmore

As per telephone call w/ Dr. Whitmore 7/14/10 10am