

Lee Justin Moser  
lee.moser@uky.edu

<b>Education</b>	<b>M.S. Digital Mapping</b> Department of Geography, University of Kentucky	<i>In Process</i>
	<b>Graduate Certificate in Digital Mapping</b> Department of Geography, University of Kentucky	2017
	<b>Graduate Certificate in Stream and Watershed Science</b> Department of Biosystems and Agricultural Engineering, University of Kentucky	2016
	<b>M.S. Forestry</b> University of Kentucky (with an emphasis in wetland restoration)	2009
	<b>B.S. Natural Resource Conservation and Management</b> University of Kentucky (with an emphasis in water resources)	2007

### Career History & Responsibilities

<b>Agriculture Extension Associate, <i>University of Kentucky.</i></b>	<i>2015-current</i>
<ul style="list-style-type: none"><li>● Assisting Director of Animal and Environmental Compliance with coordination and implementation of agricultural water quality improvement projects.</li><li>● Preparation of budgetary and quarterly progress reports related to grant funding.</li><li>● Preparation of grant applications and proposals for external funding opportunities.</li><li>● Writing and editing technical manuals, extension publications, and manuscripts related to agricultural water quality improvement projects.</li><li>● Preparation of maps, graphics, virtual tours, and field collected data for use in presentations and as web content.</li><li>● Present environmental science/sustainability/pollution control in agriculture related topics to school groups and extension audiences.</li><li>● Coordinate project efforts with external commodity groups related to on-farm livestock management.</li></ul>	
<b>Senior Environmental Scientist, <i>Aquatic Resources Management, LLC.</i></b>	<i>2011-2015</i>
<ul style="list-style-type: none"><li>● Conduct stream/wetland delineations and functional assessments.</li><li>● Manage sampling logistics (Approximately 6-8 employees on a daily basis) and analyze results from water quality monitoring program.</li><li>● Correspond with clients regarding water monitoring results and provide management advice.</li><li>● Interpret environmental permitting and evaluate regulatory compliance related to SMCRA/KPDES programs.</li><li>● Complete extensive environmental audits and manage a team of auditors.</li><li>● Organize and prepare monitoring reports on a monthly and quarterly basis.</li><li>● Manage projects from initial development phase to monitoring and reporting program phase.</li></ul>	

**Hydrologic Technician, USDA Forest Service- Winchester, KY**

2009-2010

- Conducted field surveys of culverts throughout the Daniel Boone National Forest to determine replacement and maintenance needs.
- Imported field data into an ARC GIS geodatabase to make a user friendly end product that could easily visualize all aspects of the field data that were collected.
- Served as co-supervisor for a fish sampling crew of eight individuals that monitored twenty sites throughout the summer of 2010. Participated in the site selection process, hiring process, and day to day operations of the project on the ground.
- Implemented and maintained a tagging/antenna array system on three of the twenty previously mentioned sites that allowed for continuous monitoring of tagged fish movement throughout the stream.
- Held a Scientific and Educational Wildlife Collection Permit under the Daniel Boone National Forest for fish collection and regularly worked in streams with threatened species.

**Research Assistant, University of Kentucky**

2007-2009

- Conducted a field research project regarding Carolina Bay wetland restoration on The Savannah River Site, SC.
- Evaluated extensive hydrologic and floristic datasets on the projects wetlands.
- Served as a TA for a semester long stream restoration course.
- Completed M.S. Forestry degree and thesis in spring 2009.

**Publications, Presentations, and Work Products**

- Digital Mapping Portfolio: <https://ljmoser83.github.io/>
- Eden Shale Farm Virtual Tour: <http://arcg.is/1Q7li5k>
- Loretto Motherhouse Farm Virtual Tour: <http://arcg.is/2fMUeQG>
- Fenceline Feeder Systems for Beef Cattle Production and Resource Conservation. 2017. University of Kentucky Cooperative Extension Service (AEN-134). Higgins, S., Moser, L. <http://www2.ca.uky.edu/agcomm/pubs/AEN/AEN134/AEN134.pdf>
- Rainwater Harvesting for Livestock Production Systems. 2017. University of Kentucky Cooperative Extension Service (AEN-135). Higgins, S., Moser, L. <http://www2.ca.uky.edu/agcomm/pubs/AEN/AEN135/AEN135.pdf>
- Appropriate All Weather Surfaces for Livestock. 2017. University of Kentucky Cooperative Extension Service (AEN-115). Higgins, S., Mehlhope, S., Moser, L., Wightman, S. <http://www2.ca.uky.edu/agcomm/pubs/AEN/AEN115/AEN115.pdf>
- Tire Tanks for Watering Livestock. 2017. University of Kentucky Cooperative Extension Service (AEN-133). Jackson, J., Agouridis, C., Higgins, S., Moser, L. <http://www2.ca.uky.edu/agcomm/pubs/AEN/AEN133/AEN133.pdf>
- Using OpenNSPECT to Model Riparian Buffer Effectiveness for Mitigating Sediment Accumulation in Small Order Agricultural Streams. Poster Presentation at the 2017 KWRRI Annual Symposium.
- Providing Water for Beef Cattle in Rotational Grazing Systems. 2016. University of Kentucky Cooperative Extension Service (ID-236). Higgins, S., Laurent, K., Moser, L. <http://www2.ca.uky.edu/agcomm/pubs/ID/ID236/ID236.pdf>
- Farmstead Planning: Old Farm Buildings Repurposed for Better Farming: How to Develop a Complex. 2016. University of Kentucky Cooperative Extension Service (AEN-131). Higgins, S., Moser, L. <http://www2.ca.uky.edu/agcomm/pubs/AEN/AEN131/AEN131.pdf>
- Drought Risk Management for Beef Cattle Farms. 2016. University of Kentucky Cooperative Extension Service (AEN 130). Higgins, S., Moser, L., Schmidt, K.

<http://www2.ca.uky.edu/agc/pubs/AEN/AEN130/AEN130.pdf>

- Control of Hardwood Regeneration in Restored Carolina Bay Depression Wetlands. 2009. *Ecological Restoration* 30(2). Moser, L.J., Barton, C.D., Blake, J.I.
- Hardwood Re-Sprout Control in Hydrologically Restored Carolina Bay Depression Wetlands. 2009. M.S. Thesis. The Graduate School, University of Kentucky.
- Carolina Bay Restoration: Control of Undesired Hardwood Competitors. Presentation at the International Society of Wetland Scientists 2009 Annual Conference.
- Updating the University of Kentucky's Native Tree Trail. Poster Presentation at the 2008 Annual Southern Forestry and Natural Resources GIS Conference.