Dance and video reveal the sacredness of water, this essential molecule and elixir of life, while acknowledging challenges and solutions surrounding water usage and quality within the Dry Run Creek Watershed, Decorah, and broader community.

Body of Water
A performance merging science and the arts

Luther College
Visual and Performing Arts Department
presents
Dance 2015

March 5, 9:30 p.m.
March 6, 7:30 p.m.
March 7, 1:30 and 7:30 p.m.

Pre-performance and exhibits 30 minutes prior

Jewel Theatre
Center for the Arts
Luther College, Decorah, Iowa

Dance and video reveal the sacredness of water, this essential molecule and elixir of life, while acknowledging challenges and solutions surrounding water usage and quality within the Dry Run Creek Watershed, Decorah, and broader community.
**Dedication**

*Body of Water* is respectfully dedicated to the North American Indian nations, honoring their native land, practices, and reverence for the territory in which they lived. This project acknowledges water as a sentient life form, and this performance as a prayer to return to a right relationship with the earth—recognizing that our own success is not dependent on our abilities to control or dominate, but on our ability to harmonize and see ourselves as a part.

*In the life of the Indian there was only one inevitable duty—the duty of prayer—the daily recognition of the Unseen and Eternal. His daily devotions were more necessary to him than daily food. He wakes at daybreak, puts on his moccasins and steps down to the water’s edge. Here he throws handfuls of clear, cold water into his face, or plunges in bodily. After the bath, he stands erect before the advancing dawn, facing the sun as it dances upon the horizon, and offers his unspoken orison.*

—Ohiyesa, the Santee Dakota physician and author, speaks in 1911 about the manner in which his people worship. *Touch The Earth: A Self-Portrait of Indian Existence*, compiled by T.C. McLuhan
Welcome
Thank you for your presence and for supporting live performance in Decorah, Iowa. We are delighted to welcome you to the Jewel Theatre, home of dance and theatre performances since 2002. This stunningly flexible performance space has hosted the premiere of more than 15 dance works, each with unique and specifically themed techniques, seating, lighting, stage, costume, and sound designs, collaboratively created to share with you.

Body of Water Pre-Performance Exhibits
The CFA Atrium exhibits highlight the experiences and findings of the science and dance research for the Body of Water performance. The exhibit includes detailed watershed data, preliminary findings from the Decorah urban water research project, video, and a live dance element. There are maps of the area on which viewers can place a pin indicating where they live, as well as locations for which they have water concerns.

Body of Water Project and Process
Jodi Enos-Berlage, a biology professor who conducts water quality research, and Jane Hawley ’87, a dance professor who utilizes dance as an art form to communicate ideas, have been developing the concept for this production through several teaching partnerships funded by Luther College since 2006. These partnerships recognize the value of connecting science and the arts while questioning how the arts could effectively address research in science to the public. Enos-Berlage's four-year water quality research project on an agricultural-based stream that drains into the city of Decorah, new collaboration with the city of Decorah on an urban water quality/quantity project, and regular participation and leadership in the Iowa Water Conference, have provided information and education for the development of this performance. Hawley's ideation of the body as a primary source for reflecting social, environmental, mythical, practical, and political culture, along with her dedication to empowering student learning through the generation of movement vocabulary for dance performance, have provided the collaborative elixir for this production.

Body of Water Abstract
The key features of the water molecule justify its distinction as the molecule of life. Water allows cells to form and all bodies to survive. Flowing water authorizes movement and existence. Every cellular body exists in an ecosystem that is dependent on water flow, from backyards to streams, rivers, the Mighty Mississippi, Gulf of Mexico, ocean, and earth. This performance reveals the sacredness of water in an intimate way, creating affection and reverence for this essential molecule of life. Current challenges surrounding water usage and quality will be examined, along with solutions that involve practices and people within the Dry Run Creek Watershed, Decorah, and the broader community. This production highlights how small actions by individuals accumulate into a powerful force, producing an outcome that benefits all.

Join us in a Community Dialogue following each performance:
We welcome your participation in a community dialogue engaging performers, producers, and audience in the theatre approximately five minutes following the performance. This dialogue aims to address further actions and challenges that you may know of and want to share, while highlighting specific solutions that local landowners, city directors, and community members are currently taking.
Body Of Water Program

Prelude: The Watershed
Research has revealed that land ownership by women is growing in Iowa and that they are interested in conservation and collaborating in water protection efforts. Though not always included in phone books, plat maps, or conservation meetings, they represent a current of underlying strength.

I. The Water Cycle

II. Water Essentialness
The essentialness of water, from the molecular to the mundane, from puddles forming in driveways to deep sea creatures, pervades our lives.

“My grandfather taught me that when you are sick, you should take a bowl of water and you should read to it,’ he told me. ‘If you know the Koran, read the Koran. But it doesn’t really matter what you read, so long as it is something that has real meaning to you. Then you take the water and wash yourself with it, and you will get well.’ Now I understand what my grandfather was trying to teach me. I have only the dimmest appreciation of what all this means. But in that moment, I felt the two of us bound to a common destiny far more powerful than our differing cultures, one in which there was equal room for old wisdom and new science.”

—Presence: Human Purpose and the Field of the Future, Peter Senge

III. Water Connectivity
A molecule of water is uniquely poised to enable and link all life, connecting populations on a microscopic to macroscopic scale. The cycle of water, freezing, thawing, steam, is constantly renewing. From amoeba, to humans, to the gray whale and her calf, this connection allows us a shared experience atomically and emotionally.

IV. Water (e)Quality
Upstream actions have downstream consequences, creating a tension that stretches from and between ourselves to the schooling mackerel, the coral reef, and to the life of the river flowing beneath College Drive bridge.

V. Responsible Water Practices
Water belongs to all. Whether we farm, garden, swim, boat, fish, bathe, drink, or grow, all lives depend on water. The tools exist for individual and collective awareness, accountability, and action, and they enable us to use and interact with water responsibly. Whether measured by the glass or reservoir, every human body of water can begin by asking a question: what is the molecule of life worth?

Postlude: Community Dialogue
Bill McDonough, the American environmental architect, says his work has led him to a simple question:

“By reinforcing the separation of people from their problems, problem solving often functions as a way of maintaining the status quo rather than enabling fundamental change. The problem-solving mind-set can be adequate for technical problems. But it can be woefully inadequate for complex human systems, where problems often arise from unquestioned assumptions and deeply habitual ways of acting. Until people start to see their own handprint on such problems, fundamental change rarely occurs.”

—Presence: Human Purpose and the Field of the Future, Peter Senge
Performers

Body of Water Stage Performers
Taylor Berg ’16
Kelly Dawson ’17
Michael Ehrecke ’15
Hannah Harms ’18
Kelly Harris ’15
Kajsa Jones ’16
Danica Kafton ’18
Dakota Lancour ’15
Catherine Lewis ’16
Jana Lundell ’16
Sara Maronde ’15
Devery Miles ’17
James Mueller ’16
Travis Nietert ’15
Marah Owecke ’17
Christie Owens ’16
Jennifer Schmidt ’15
Tia Stenson ’16
Alyssa Wildenauer ’17
Holly Bea Williams ’15

Body of Water Video/Voice Performers (in order of appearance)
Jodi Enos-Berlage, Luther College professor of biology, Dry Run Creek Watershed researcher and farmer
David Faldet ’79, Luther College professor of English
Paul Johnson, Winneshiek County landowner
Chad Bird, Decorah city manager
Tom Murray, Trout Unlimited member and fly fisherman, Decorah
Joan Lubke, farmer, Dry Run Creek Watershed
John Lubke, farmer, chair, Winneshiek County Soil and Water Conservation District, Dry Run Creek Watershed
Ryan Bishop, manager, Niagara Cave, Harmony, Minn.
Don Arendt, Decorah city mayor
Paul Hunter, farmer, chair, DRC Watershed Improvement Association, Dry Run Creek Watershed
Hannah Breckbill, farmer, Winneshiek County
Daniel and Bonnie Beard, farmers, Dry Run Creek Watershed
Rose Frana, landowner, Dry Run Creek Watershed
Romeo Abraham, graduate student, University of Iowa Initiative for Sustainable Communities (collaboration with city of Decorah)
Doug “Dag” Rossman, herpetologist and Nordic storyteller, Decorah
Heather Sage, mycologist and entomologist, Decorah
Tyler, artist, Beehive Collective

Body of Water Musicians
Trumpet: Jon Alabouini ’10
Drum set: Jack Ross ’17
Keyboard: Michael Callen ’16
Bass: Zach Ryerson ’17
Saxophone: Evan Mattsen ’15
Body of Water Research
and Production Crew

Director: Jane Hawley '87
Dry Run Creek Watershed Research and
Education: Jodi Enos-Berlage
Video Cinematography and Editing: Ian
Carstens '14
Video Content and Interviews:
Jodi Enos-Berlage and
Ian Carstens '14
Project Editing: Sarah Frydenlund '05
Scenic Design: Jeff Dintaman
Technical Director: Tom Berger
Costume Design: Hayley Ryan '15
Lighting Design: Chelsey Ann
O'Connor '15
Choreography: Jane Hawley '87 and
performers
Choreographic Assistant: Laura
Oldenburg '18
Music Composition: Jon Ailabouni '10
Prelude Music: Harold Budd
Postlude Music: Helicopter Girl
Projection Design: Jeff Dintaman and Ian
Carstens '14
Stage Manager: Laura Oldenburg '18
Light Board Operator: Aaron Busch '15
Sound Board Operator: Ellen Cooper '15
Quote Projection Operator: Katherine
Bergman '16
Image Project Operator:
Karl Nycklemoe '18
Documentary Video Operator: Skye
Newcome '17
Stage Projector Operators and Props
Crew: Elizabeth Larget '15 and Emma
Brashear '18
House Manager: Sarah Brandt '15
Poster and Program Design: Michael
Bartels
Media Releases: Ellen Modersohn and
Julie Shockey '01
Ticket Office: Bradley Phillips
Web Publicity: Lis Athas '15, and Elaena
Hoekstra '17
Hair, Makeup, and Dressers: Hayley
Ryan '15, Jessica O'Brien '15,
Adrienne Kulzer '15

Set Construction
Collin Boyle '18
Jessica Dobson '15
Meghan Gaffney '18
Samuel Gathje '15
Taylor Graydon '15
Miriam Harries '16
Ehren Kluge '16
Timothy Komatsu '15
Dakota Lancour '15
Shannon Moser '17
Chelsey O'Connor '15
Christie Owens '16
Jake Putnam '15
Rebecca Rye '17
Rachel Skinner '15
Stephen Ster '17
Barbara Stier '18
Maggie Sulentic '16
and Josh Weisenburger '17

Costume Construction
Dakota Lancour '15
Alice McNamara '17
Natalia Ophaug '15
Jessica O'Brien '15
Nathaniel Koch '17
Pedro Da Costa Cadalak '16
Becca Chapin '15
Hayley Ryan '15
Hailee Feig '16
Paige Harne '15
Abbey Syme '16
and Megan Olson '18

Performance Documentation
Cameraman I: Ahmed Muaz '14
Cameraman II: Mike Wagner '18
Cameraman III: Ian Carstens '14
Acknowledgements

Body of Water Film | Image Contributors
Robert Fitton, Luther College Biology Department (Microscopy footage)
Nic Frana, Dry Run Creek Watershed landowner and paraglider (DRC aerial footage)
Michael Crocker ’14 (Luther College athletics footage)
Maseeh Ahmed ’13 (Indian Ocean footage)
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Lisa Schulte Moore, Department of Natural Resource Ecology and Management, Iowa State University
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Luther College Publications and Design Office
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Hannah Breckbill, Humble Hands Harvest Luther College Photo Bureau
Charles Wittman, Iowa State University Extension
Aryn Henning Nichols/Inspire(d) Media (Decorah flood footage)
ASA images courtesy Jeff Schmaltz, MODIS Rapid Response Team at NASA GSFC. Caption by Holli Riebeek, NASAs Earth Observatory.
NASA image courtesy Norman Kuring, Ocean Color Team. Caption by Norman Kuring and Holli Riebeek.
NASA Image by Robert Simmon, based on Landsat data provided by the UMD Global Land Cover Facility.
Expedition 23 crew, photograph ISS023-E-32397, May 4, 2010, with a Nikon D3S digital camera fitted with an effective 160 mm lens, and is provided by the ISS Crew Earth Observations experiment and Image Science & Analysis Laboratory, Johnson Space Center.
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Tim McCabe / Photo courtesy of USDA Natural Resources Conservation Service, via Wikimedia Commons.

Body of Water Pre-Performance Production Crew
Atrium Design: Jeff Dintaman
Atrium Content Coordinator: Jodi Enos-Berlage
Atrium Liaison: Emily Lange ’16
Video Content and Interviews: Jodi Enos-Berlage and Ian Carstens ’14

Pre-Performance Contributors
Choreography, The Watershed: a Prelude to Body of Water:
Holly Bea Williams ’15
Senior Project Costume Design:
Hayley Ryan ’15
Senior Project Lighting Digital Portfolio:
Chelsey O’Connor ’15
Senior Project Art Installation:
Jacob Clausen ’15
ART 111 Atrium Sculpture Installation: Karl Nilsson ’15
Campus and Decorah Educational Pallets:
Jeff Dintaman, Elizabeth (Liz) Hovden ’15, Payton Schultz ’16, Krista Wahstrom ’15, Melissa Chasse ’17, and Molly Hilgart ’17, Jodi Enos-Berlage
Atrium Water Monitoring Equipment and Materials: Luther College Biology Department, Jodi Enos-Berlage

Performers in Atrium Video (listed in order of appearance)
Jodi Enos-Berlage
David Faldet ’79
Paul Johnson
Captain Kevin Stier
Paul Hunter
Dale Humphal
John and Joan Lubke
Chad Bird
Hannah Breckbill
Tom Murray
Dry Run Creek Cleanup Crew
Todd Duncan
Dennis and Darlene Frana
John and Jane Frana
Rose Frana
Daniel and Bonnie Beard
Heather Sage
Tyler

Bodies of Water Present in Videos
Upper Iowa River
Rural Dry Run Creek
Urban Dry Run Creek
Canoe Creek
Bear Creek
Niagara Cave streams
Mississippi River
Gulf of Mexico
Indian Ocean
All performers

Body of Water Video Contributors
Dry Run Creek Watershed Farmers
Daniel and Bonnie Beard
John Berlage and Jodi Enos-Berlage
Rose Frana
Paul and Jeanie Frana
John and Jane Frana
Emil Frana
Dennis and Darlene Frana
Dale Humpal
Paul Hunter
John Lubke
Joan Lubke
City of Decorah Urban Water Project Participants
Mayor Don Arendt
City Manager Chad Bird
University of Iowa School of Urban and Regional Planning students: Vanessa Fixmer-Oraiz, Elizabeth Minor, Bailee McClellan, and Romeo Abraham
Decorah city residents attending the Water Public Concerns Meeting
Urban Dry Run Creek Cleanup Crew:
Josephine Berlage, Indigo Fish, Morgan Minear, Jackson Berlage, Justin Berlage, Jodi Enos-Berlage

Decorah Area Community Members
Paul Johnson, farmer, Winneshiek County
David Faldet ’79, professor of English, Luther College
Todd Duncan, farmer, Winneshiek County
Doug “Dag” Rossman, herpetologist and Nordic storyteller
Tom Murray, Trout Unlimited member and fly fisherman
Chris Wasta, Trout Unlimited member and fly fisherman
Pilar Dritz ’18, swimmer, Luther College
Hannah Breckbill, farmer, Winneshiek County
Heather Sage, mycologist and entomologist
Alice and Jim Palmer, farmers
Annie Zylstra ’15, Decorah resident
Brett Steelman ’14, Decorah resident
Carlisle Evans- Peck, Decorah resident
Ruff, Nook, Bau Bau, Decorah canine residents

Beyond the Decorah Area Community
Kevin Stier, Mississippi riverboat captain, Dubuque, Iowa
Ryan Bishop, manager, Niagara Cave, Harmony, Minn.
Tyler, Beehive Collective artist
Phillip Russo, Plaquemines Parish outreach coordinator, Louisiana
David Pellerin, duck hunter, Louisiana
Spellman Pellerin III, duck hunter, Louisiana
Walter Ledbetter, duck hunter, Louisiana

Dry Run Creek Watershed Research Posters
Jodi Enos-Berlage together with Luther students:
Lindsey Bohr ’15
Claire Dembsky ’15
Taylor Nelson ’14
Sam Zook ’14
Andrew Weckwerth ’13
Chelsea Weiss ’13
Jacob Wittman ’12
Sharon Heyer ’12
and Jake Selbert ’12;
biology faculty Kirk Larsen
Iowa DNR geologist Lynnette Seigley

City of Decorah Urban Water Research Project Posters
University of Iowa Initiative for Sustainable Communities, School of Urban and Regional Planning collaborators:
Vanessa Fixmer-Oraiz
Bailee McClellan
Elizabeth Minor
Romeo Abraham

Decorah and Winneshiek County Aerial Maps
Winnebago County GIS, John Lubke

Upper Iowa River Watershed Poster
Josh Dansdill ’12, Northeast Iowa Resource Conservation and Development
Bridge: Community Art Engagements
Dry Run Studio of Decorah designed and executed Bridge projects to create opportunities for conversation between the diverse researchers, students, performers, and artists of Body of Water and further members of the community in the Dry Run Creek Watershed. Dry Run Studio owner and artist Sarah Frydenlund ‘05, supported student performers Deveny Miles ‘17 and Travis Nietert ‘15 in engagements, workshops, development of works to engage community members, research, and performance in conversation through art practice. For more information and project archive, please visit: dryrunstudio.com

Body of Water Performance Bibliography


National Mississippi River Museum and Aquarium, Dubuque, Iowa


Body of Water Performance DVD
Available for purchase. Please contact Jane Hawley, (563) 387-1694 or hawleyja@luther.edu

Body of Water Documentary
Growing from this performance and the gathered material, a subsequent documentary film will be made to widen the dissemination of information on the relationship between humans and water. To support, participate, and follow, please contact Ian Carstens, carsia01@luther.edu, or Jodi Enos-Berlage, enosbejo@luther.edu

Dance and Theatre 2014–2015 Performance Season
A Thread in the Dark, October 9–11, 2014, directed by Ylfa Muindi
In the Next Room, November 13–15 and 20–22, 2014, directed by Bobby Vrtis
Forgiveness Lunch, February 20 and 21, 2015, directed by Blake Nellis ’07
Body of Water, March 5–7, 2015, directed by Jane Hawley ’87 with Jodi Enos-Berlage
Dance and Theatre Senior Project Presentations, April 10–12, 2015
Metamorphoses, May 1–2 and 7–9, 2015, directed by Bobby Vrtis
Body of Water Co-Sponsors:
Luther College Visual and Performing Arts Department, The Leopold Center for Sustainable Agriculture, Luther College Center for Ethics and Public Life, Luther College Center for Sustainable Communities, Dry Run Creek Watershed Improvement Association, Winneshiek County Soil and Water Conservation District, Decorah Bank & Trust.

We acknowledge the people, programs, and places that made Body of Water possible:
Luther College Dean's Office, Grace Trimble '08, Matthew Baumann and the Luther College Multimedia Department, Ahmed Muaz '14, Luther College Library, the Pepperfield Project, John and Joan Lubke, Daryl and Norma Bosma, Chimney Rock Campground, Decorah Wastewater Treatment Plant, Niagara Cave, Luther College Publications and Design Office.

Visual and Performing Arts Department Faculty and Staff
Tom Berger, dance and theatre technical director
Jeff Dintaman, professor of theatre
Kate Elliott, assistant professor in art history
Sarah Frydenlund '05, adjunct faculty in art
Jane Hawley '87, professor of dance
David Kamm, art gallery coordinator/assistant professor of art
Lisa Lantz, associate professor of theatre, Visual and Performing Arts department head (on sabbatical spring semester 2015)
Robert J. Larson, professor emeritus of theatre
Lea Lovelace '97, adjunct faculty in art
Aaron Lurth '08, director of visual media, staff instructor in art
Joe Madrigal, assistant professor of art
Richard Merritt, professor of art
Ben Moore '02, associate professor of art, Visual and Performing Arts department acting head (spring semester 2015)
Blake Nellis '07, adjunct faculty in dance
Paul Rude '95, administrative assistant Communication Studies, Visual and Performing Arts
Grace Trimble '08, visiting assistant professor of theatre (spring semester 2015)
Bobby Vrtis, assistant professor of theatre
WATER PLEDGE
I am responsible to the water that runs through my body, hands, and property.

Steps you can take as you begin your water resource journey:

If you are a farmer, you could:
- Test a new conservation practice on one field, e.g., STRIPS, cover crops, no till, grass waterways, stream buffers.
  - www.leopold.iastate.edu/
  - www.leopold.iastate.edu/sites/default/files/ILF_The_Iowa_NRS_opinion_by_Tim_Smith.pdf
- Learn how to monitor the water draining from your farm by contacting IOWATER.
  - www.iowadnr.gov/Environment/WaterQuality/WaterMonitoring/IOWATER.aspx
- Share what you are doing with your neighbor, grandchild, or friends

If you live in the city you could:
- Pick one thing to do that will keep water on your property, e.g., rain barrel, rain garden, or replace an impervious surface.
  - www.rainscapingiowa.org/index.php/resources
- If you water your lawn or apply herbicides or fertilizers, consider reducing or eliminating this practice.
- Go on an adventure to figure out where the water from your toilet goes and where the water from your driveway goes. Stop when you get to the Upper Iowa River.

If you use water you could:
- Use less and give thanks.
- Stop using bottled water; instead use the water you have already paid for and keep the plastic bottle out of the environment.
- Learn about water resources and quality in our area by visiting The National Mississippi River Museum & Aquarium (www.mississippirivermuseum.com), the USGS Water Science School Website (http://water.usgs.gov/edu/), the Iowa Learning Farms (www.extension.iastate.edu/ilf/), the Environmental Protection Agency water page (http://water.epa.gov/), or the Iowa Water Conference (www.aep.iastate.edu/iwc/).
Water Web

I see this collaborative process as a small demonstration, a tested theory of what we hope to achieve within the wider community. We are diverse: dancers, designers, biologists, chemists, doctors, writers, teachers, students, artists, researchers. We represent a small portion of the audience we intend to reach and we have come together to work and create together, just as we hope to inspire our audience to do. The more I ponder our goals for this production, the more I realize that the only way we will accomplish all of our goals of change, education, inspiration, and empowerment is by identifying ourselves as witnesses to the earth and inviting our audience members to join us in respecting and revering the creation we are fortunate enough to possess a responsibility for. We are working together to form bonds within the community, similar in a way to oxygen and hydrogen atoms that bond together to create H2O molecules that then create chains of unity, chains of community. Only by extending our hands and knowledge to create our own hydrogen bonds with the bodies around us can we hope to permeate the world with goals of betterment for all beings.

—Deveny Miles
February 17, 2015—Intern, Dry Run Studio “Bridge” project; Performer, Body of Water project