

Moving Forward on Agricultural Water Conservation in the Colorado River Basin **Deliverables**

Journal publications

Peer-review articles in progress:

1. Cabot, Perry, Reagan Waskom, MaryLou Smith, Taylor, Peter Leigh, Kelsea MacIlroy and Brad Udall. "Drivers and Barriers for the Adoption of Irrigation Scheduling and Soil Moisture Monitoring in Irrigated Agriculture." To be submitted to *The Journal of Soil and Water Conservation*.
2. Taylor, Peter Leigh, Kelsea MacIlroy, Perry Cabot, Reagan Waskom, MaryLou Smith and Brad Udall. "Every ditch is different?: Emerging insights from innovative collaboration for agricultural water conservation and security in the Colorado River basin." To be submitted to *The Journal of Soil and Water Conservation*.
3. MacIlroy, Kelsea, Peter Leigh Taylor, Perry Cabot, Reagan Waskom, MaryLou Smith and Brad Udall. "Where Rivers Change Direction: Exploring structural conditions influencing collaboration between agricultural and environmental interests in the Colorado River basin." To be submitted to *Agriculture and Human Values*.

Other publications, conference papers and presentations:

Conference and panel presentations:

1. Smith, MaryLou. 2017. TBA. Horfield, Bristol, England: Scientia - Science Diffusion. (In Progress – to be released December 2017).
2. MacIlroy, Kelsea. 2017. "Conservation for Whom and What? Multi-stakeholder Collaboration around Agricultural Water in the Colorado River Basin." Contribution to Panel Session "Feasible Alternatives to Permanent Fallowing in the Colorado River Basin" with Brad Udall, Perry Cabot and Paul Kehmeier. Fort Collins, CO: University Council on Water Resources Conference, June 14, 2017.
3. Castle, Anne, MaryLou Smith, John Stulp, Brad Udall, and Reagan Waskom. "Where Now with Alternative Transfer Methods – ATMs – in Colorado?" CWI Special Report No. 31 (April 2017). Fort Collins, CO: Colorado Water Institute, Colorado State University.
4. Cabot, Perry and Dave Kanzer. 2016. "Sustaining Irrigated Agriculture in the Lower Gunnison River Basin Using Efficiency and Economics." Fort Collins, CO: USCID Conference, October 13, 2016.

5. Peter Leigh Taylor. 2016. "Everybody has their own idea of paradise": Multistakeholder Cooperation for Environmental Flows on the Upper Colorado River" Keynote address to the Colorado Water Officials Annual Conference, Lakewood, Colorado, September 29, 2016.
6. Cabot, Perry. 2016. USBR Tour for the Uncompahgre Valley Water Users Association. Delta, CO: September 27, 2016.
7. Williams, Spencer and MaryLou Smith. 2016. "The Future of Water Markets: Opportunities for Innovation in the SMP Process." p. 26-28 in *Colorado Water* Sept/Oct 2016. Fort Collins, CO: CSU Water Center.
8. MacIlroy, Kelsea (presenter) and Peter Leigh Taylor. 2016. "Beyond Water Wrangling: Collaborative Sharing for Agriculture and Environment in the Colorado River Basin." Houghton, MI: 22nd International Symposium on Society and Resource Management (ISSRM), June 25, 2016.
9. Akhbari, Masih and MaryLou Smith. 2016. "Case Studies Outlining Challenges and Opportunities for Agricultural Water Conservation in the Colorado River Basin." CWI Special Report No. 27 (June 2016). Fort Collins, CO: Colorado Water Institute, Colorado State University.
10. Waskom, Reagan and MaryLou Smith. 2016. "'Use it or Lose it" in Colorado Water Law: Understanding Conservation Concerns." p.1 in *The Water Report* #147 (May 15, 2016). Eugene, OR.
11. Smith, MaryLou. 2016. Facilitated community dialogue on ag/urban/environmental cooperation strategies in the Colorado River Basin following a viewing of *Watershed* by Robert Redford. Fort Collins, CO: CSU Water Center, March 22, 2016.
12. Taylor, Peter Leigh and Kelsea MacIlroy. 2016. Discussants on Panel "Reflections on Eight Years as the Water Leader for the U.S. Department of the Interior" led by Mike Connor (Deputy Secretary of the U.S. Department of the Interior), also with participation by Brad Udall and Stephanie Kampf. Fort Collins, CO: Colorado Water Institute and Colorado State University Water Center - Dr. Norm Evans Endowed Lecture Series, March 9, 2016.
13. Taylor, Peter Leigh. 2016. "Current and emerging environmental flow governance on the Upper Colorado River", presentation on the panel "Challenges of Pursuing Water Projects and Initiatives: Key Ingredients and Lessons for Success." Third Annual Poudre River Forum: Cultivating Connections for a Healthy, Working River. The Ranch, Fort Collins, CO, February 5, 2016.
14. Waskom, Reagan, Kevin Rein, Dick Wolfe and MaryLou Smith. 2016. "How Diversion and Beneficial Use of Water Affect the Value and Measure of a Water

Right Is “Use It or Lose It” an Absolute?” CWI Special Report No. 25 (February 2016). Fort Collins, CO: Colorado Water Institute, Colorado State University.

15. Waskom, Reagan. 2016. Facilitated Panel “Use it or Lose It--Myth or Reality?” Denver, CO: Annual Colorado Water Congress Convention, January, 2016.
16. Cabot, Perry. 2016. “NoChicoBrush Group: A farmer-led initiative to quantify and demonstrate irrigation efficiencies at farm-scales through instrumented water budgeting.” Montrose, CO: Irrigation Outreach Meeting, January 12, 2016.
17. Cabot, Perry. 2015. “Exploring Innovation and Efficiencies.” Cortez, CO: Southwest Agricultural Seminar, December 4, 2015.
18. Waskom, Reagan. 2015. Facilitated Panel “Use it or Lose It--Myth or Reality?” Loveland, CO: Colorado Ag Water Summit, December 15, 2015.
19. Ahkbari, Masih. 2015. “Saving Agricultural Water in the Colorado River Basin: Drivers and Challenges.” Denver, CO: American Water Resources Association Annual Water Resources Conference, November 19, 2015.
20. MacIlroy, Kelsea. 2015. “Can Agricultural Water Conservation in the Colorado River Basin Help Meet the Gap?” Denver, CO: American Water Resources Association Annual Water Resources Conference, November 19, 2015.
21. Smith, MaryLou. 2015. “Innovations in Engaging Stakeholders in Water Resources Research in the Colorado River Basin.” Contribution to Panel Session “Innovations in Engaging Stakeholders in Water Resources Research” with Kelly Mott Lacroix, Allyson Beall King and Mark Solomon. Denver, CO: American Water Resources Association Annual Water Resources Conference, November 19, 2015.
22. Smith, MaryLou. 2015. “Irrigation Efficiencies and Agricultural Water Conservation: A View from the Lower Gunnison River Basin of the Colorado River in Colorado.” Long Beach, CA: ASABE/IA Irrigation Symposium: Emerging Technologies for Sustainable Irrigation, November 10-12, 2015.
23. Cabot, Perry. 2015. “Demonstrating Benefits of Improved Irrigation Efficiency.” pp. 6-7 in *Colorado Water* Nov/Dec 2015. Fort Collins, CO: CSU Water Center.
24. Smith, MaryLou. 2015. “Testing a “Why/What/How” Agricultural Water Management Decision Tool.” p. 6 in *Colorado Water* Nov/Dec 2015. Fort Collins, CO: CSU Water Center.
25. Taylor, Peter Leigh and Kelsea MacIlroy. 2015. “Uncovering Barriers and Disincentives as Well as Opportunities for Effective Conservation Collaboration.” pp. 7-8 in *Colorado Water* Nov/Dec 2015. Fort Collins, CO: CSU Water Center.

26. Cabot, Perry. 2015. "Farmers looking ahead and working with multiple stakeholders on efficiency: The No Chico Brush Project." Grand Junction, CO: Upper Colorado River Forum, October 28, 2015.
27. Smith, MaryLou. 2015. "Ag Water Conservation in the Colorado River Basin-- Who/What/Why/When/How." Salt Lake City, UT: Western Water Conference 2015: Water Management Strategies for Addressing Long-term Drought and Climate Uncertainty, October 28-29, 2015.
28. Cabot, Perry. 2015. "Technical Challenges In Agricultural Water Conservation." Boulder, CO: Getches-Wilkinson Center - Martz Summer Conference, June 11, 2015.
29. Plombon, Elizabeth, Julie Kallenberger, Reagan WPaskom, and MaryLou Smith. "Colorado River Basin Agricultural Water Conservation Clearinghouse: An Innovative Web-Based Project and Communities of Practice." pp. 13-16 in *Rural Connections* June 2015. Logan, UT: Western Rural Development Center.
30. Cabot, Perry. 2015. "On-Farm Applied Research: Comparisons of furrow, sprinkler and drip irrigation systems in the Lower Gunnison Basin." Montrose, CO: Irrigation Outreach Meeting, February 26, 2015.
31. Cabot, Perry. 2015. "On-Farm Applied Research: Comparisons of furrow, sprinkler and drip irrigation systems in the Lower Gunnison Basin." Hotchkiss, CO: Irrigation Outreach Meeting, February 19, 2015.
32. Cabot, Perry. 2015. "On-Farm Applied Research: Comparisons of furrow, sprinkler and drip irrigation systems in the Lower Gunnison Basin." Montrose, CO: Uncompahgre Valley Water Users Association Meeting, February 3, 2015.
33. Cabot, Perry. 2015. "On-Farm Applied Research: Comparisons of furrow, sprinkler and drip irrigation systems in the Lower Gunnison Basin." Montrose, CO: Annual Soil Health Conference, January 30, 2015.

Guest lectures

1. Cabot, Perry. 2016. "Irrigation Efficiency & Water Conservation: Preliminary results from the No Chico Brush Field Studies." *Webinar Series*. Grand Junction, CO: August 30, 2016.
2. MacIlroy, Kelsea. 2016. "Sociology & Water Law in Colorado." Guest Lecture in Political Sociology undergraduate course, *Colorado State University – Pueblo*, Fall 2016.

3. Macllroy, Kelsea. 2016. "Sociology & Water in Colorado." Guest Lecture in Sociological Theory undergraduate course, *Colorado State University – Pueblo*, Fall 2016.
4. Cabot, Perry. 2015. "Practical Crop Production Irrigation Practices." Guest Lecture in AGRS 100 Course at Western Colorado Community College. Delta, CO: October 17, 2015.
5. Macllroy, Kelsea. 2015. "Sociology and Water: Agriculture and Environmental Collaboration in the West." Guest Lecture in Introduction to Sociology undergraduate course, *University of Colorado, Colorado Springs*, Fall 2015.
6. Macllroy, Kelsea. 2015. "Keeping the River Wet: Agricultural and Environmental Collaboration in the American West." Guest Lecture in Agriculture and Global Society undergraduate course, *Colorado State University*, Fall 2015.

Blog Posts

1. Macllroy, Kelsea. 2015. "From Vine to Wine on Tour in Palisade, Colorado." *Colorado Foundation for Water Education*. Posted at <https://blog.yourwatercolorado.org/2015/09/14/from-vine-to-wine-on-tour-in-palisade-colorado/>, September 14.