

PUBLICATIONS – MY PROFESSIONAL NAME CHANGED FROM CABLE TO YOUNG-ROBERTSON

Zwieback, S., **J. Young-Robertson**, M. Robertson, Y. Tian, Q. Chang, M. Morris, and J. White. *In Preparation*. Low-severity tree mortality after a spruce beetle outbreak: Satellite-based mapping with a convolutional network.

Thomas, H., S. Dempster, and **J. Young-Robertson**. *In Preparation*. Boreal plant form and function: Critical variables for ecosystem modeling.

Clark, J. A., Tape, K. D., & **Young-Robertson, J. M.** (2023). Quantifying evapotranspiration from dominant Arctic vegetation types using lysimeters. *Ecohydrology*, 16(1), e2484.

Clark, J. A., Tape, K. D., & **Young-Robertson, J. M.** (2022). Deciduous Shrub Stem Water Content in Arctic Alaska. *Ecohydrology & Hydrobiology*, 22(3), 476-483.

Young-Robertson J.M. and W.R. Bolton. (2022). Building bridges through conservation: Humanizing science and scientists. Community | Media | Possibility. *Forum - A magazine of the Alaska Humanities Forum*, Winter Issue 2021-2022, pp. 40-41.

Young-Robertson J.M., W.R. Bolton, and R. Toohey. (2020). Northern Ecohydrology of Interior Alaska Subarctic. In *Arctic Hydrology, Permafrost and Ecosystems* (pp. 657-680). D. Yang and D. Kane (Eds). Springer, Cham. ISBN-13: 978-3030509286

Young-Robertson J.M., N. Raz-Yaseef, L.R. Cohen, T. Rahn, B. Newman, C. Wilson, and S. Wullschleger (2018). Evaporation dominates evapotranspiration on Alaska's Arctic Coastal Plain. *Arctic, Antarctic, and Alpine Research*, 50(1), DOI: [10.1080/15230430.2018.1435931](https://doi.org/10.1080/15230430.2018.1435931)

Raz-Yaseef, N., **J. Young-Robertson**, T. Rahn, V. Sloan, B. Newman, C. Wilson, S. Wullschleger, and M. Torn (2017). Evapotranspiration across plant types and geomorphological units in polygonal arctic tundra. *J. Hydrology* 553, 816-825, doi.org/10.1016/j.jhydrol.2017.08.036

Endalamaw, A., W. R. Bolton, **J. M. Young-Robertson**, D. Morton, L. Hinzman, and B. Nijssen (2017). Toward improved parametrization of a meso-scale hydrologic model in a discontinuous permafrost, boreal forest ecosystem. *Hydrology and Earth System Sciences Discussion* doi:10.5194/hess-2017-25.

Young-Robertson J.M., K. Ogle, J. Welker (2017). Thawing seasonal ground ice: An important water source for boreal forest plants in Interior Alaska. *Ecohydrology*, 10(3), DOI: 10.1002/eco.1796.

Young-Robertson J.M., W.R. Bolton, U. Bhatt, J. Cristobal, R. Thoman (2016). Deciduous trees are a large and overlooked sink for snowmelt water in the boreal forest. *Nature Scientific Reports* 6, Art no. 29504, DOI: 10.1038/srep29504.

Klein, E. S., Nolan, M., McConnell, J., Sigl, M., Cherry, J., **Young, J.**, & Welker, J. M. (2016). McCall Glacier record of Arctic climate change: Interpreting a northern Alaska ice core with regional water isotopes. *Quaternary Science Reviews*, 131, 274-284.

- Throckmorton H.M., B. Newman, J. Heikoop, G. Perkins, X. Feng, D. Graham, D. O'Malley, V. Vesselinov, **J. Young-Robertson**, S. D. Wulschleger, and C. Wilson (2016). Active layer hydrology in an arctic tundra ecosystem: Quantifying water sources and cycling using water stable isotopes. *Hydrological Processes* 30(26), DOI: 10.1002/hyp.10883.
- Klein, E., J. Cherry, **J. Young**, D. Noone, A. Leffler, J. Welker (2015). Arctic cyclone water vapor isotopes support past sea ice retreat recorded in Greenland ice. *Nature Scientific Reports* 5, article number 10295, DOI:10.1038/srep10295.
- Ogle K., J.J. Barber, G.A. Barron-Gafford, L.P. Bentley, **J.M. Cable**, R.W. Lucas, T.E. Huxman, M.E. Loik, and D.T. Tissue (2015). Quantifying ecological “memory” of plant and ecosystem processes. *Ecology Letters* 18:221-235, doi.org/10.1111/ele.12399.
- Cohen L.R., N. Raz Yaseef, J.B. Curtis, **J.M. Young**, T. Rahn, B. Newman, S. Wulschleger (2014). Measuring diurnal cycles of evapotranspiration in the Arctic with an automated chamber system. *Ecohydrology*, DOI: 10.1002/eco.1532.
- Herman, R.L., J. Cherry, **J.M. Young**, J. Welker, D. Noone, S.S. Kulawik, J. Worden. Aircraft Validation of Tropospheric Emission Spectrometer Retrievals of HDO and H₂O (2014). *Atmospheric Measurement Techniques* 7:3127-3138, doi.org/10.5194/amt-7-3127-2014
- Scott, R.L., T.E. Huxman, G. Barron-Gafford, D. Jenerette, **J.M. Young**, E. Hamerlynck (2014). When vegetation change alters ecosystem water availability. *Global Change Biology* 20(7):2198-2210, doi.org/10.1111/gcb.12511.
- Tucker C.L., **J.M. Cable**, D.G. Williams, and K. Ogle (2014). Process-based partitioning of winter soil respiration in a subalpine ecosystem reveals importance of autotrophic respiration. *Biogeochemistry* 121:389-408, www.jstor.org/stable/24717586
- Barron-Gafford G.A., **J.M. Cable**, L. Patrick Bentley, R.L. Scott, T.E. Huxman, G.D. Jenerette, and K. Ogle (2014). Quantifying endogenous and exogenous legacy effects on the “ecological memory” of soil respiratory efflux in a semiarid shrubland. *New Phytologist* 202(2):442-454.
- Ogle K., C. Tucker, and **J.M. Cable** (2014). Beyond simple linear mixing models: Process-based isotope partitioning of ecological processes. *Ecological Applications* 24(1):181-195, www.jstor.org/stable/23596812
- Cable J.M.**, K. Ogle, W.R. Bolton, L.P. Bentley, V. Romanovsky, H. Iwata, Y. Harazono, and J. Welker (2013a). Permafrost thaw affects boreal deciduous plant transpiration through increased soil water, deeper thaw, and warmer soils. *Ecohydrology* 7(3):982-997, doi.org/10.1002/eco.1423
- Cable J.M.**, K. Ogle, G. Barron-Gafford, L.P. Bentley, W.L. Cable, R.L. Scott, D.G. Williams, and T.E. Huxman (2013b). Soil respiration responses to antecedent conditions: the differential impacts of shrubs and grasses. *Ecosystems* 16:1230-1247, DOI: 10.1007/s10021-013-9679-7
- Ogle K., R.W. Lucas, L.P. Bentley, **J.M. Cable**, G.A. Barron-Gafford, A. Griffith, D. Ignace, G.D. Jenerette, A. Tyler, T.E. Huxman, M.E. Loik, S.D. Smith, and D.T. Tissue (2012). Differential daytime and nighttime stomatal behavior and substantial nighttime water loss in plants from North

American deserts. *New Phytologist* 194(2):464-476, doi.org/10.1111/j.1469-8137.2012.04068.x

- Cable J.M.**, G. Barron-Gafford, K. Ogle, M. Pavao-Zuckerman, R.L. Scott, D.G. Williams, and T.E. Huxman (2012). Shrub encroachment alters sensitivity of soil respiration to temperature and moisture. *JGR-Biogeosciences* 117(G1), DOI: 10.1029/2011JG001757.
- Cable J.M.**, K. Ogle, and D.W. Williams. (2011a). Application of isotopic measurements and a Bayesian mixing model to determine the contribution of glacier meltwater to streamflow in the Wind River Range, Wyoming. *Hydrological Processes* 25(14):2228-2236, doi.org/10.1002/hyp.7982
- Cable J.**, K. Ogle, R. Lucas, M. Cleary, A. Griffith, T. Huxman, M. Loik, E. Pendall, M. Rogers, H. Steltzer, P. Sullivan, D. Tissue, N. van Gestel, and J. Welker. (2011b). The temperature response of soil respiration: a seven desert synthesis. *Biogeochemistry* 103(1-3):71-90, <https://link.springer.com/article/10.1007/s10533-010-9448-z>
- Miller G.R., **J.M. Cable**, A.K. McDonald, B. Bond, A.P. Tyler, T.E. Franz, L. Wang, and T. Franz (2011). Using a system dynamics model to assess how ecohydrological connectivity affects ecosystem responses to environmental presses and pulses: A case study in savannah ecosystems. *Ecohydrology* 5(2):200-220, doi.org/10.1002/eco.245
- Wang L., C. Zou, F. O'Donnell, S. Good, T. Franz, G.R. Miller, K. Caylor, **J.M. Cable**, and B. Bond. (2010). Characterizing ecohydrological and biogeochemical connectivity across multiple scales: a new conceptual framework. *Ecohydrology* 5(2):221-233, doi.org/10.1002/eco.187
- Cable J.M.**, K. Ogle, A.P. Tyler, M. Pavao-Zuckerman, and T.E. Huxman. (2009). Woody plant encroachment impacts on soil carbon and microbial processes: results from a hierarchical Bayesian analysis of soil incubation data. *Plant and Soil* 320:153-167, <https://link.springer.com/article/10.1007/s11104-008-9880-1>
- Potts D.L., T.E. Huxman, **J.M. Cable**, R.L. Scott, M.A. Pavao-Zuckerman, D.G. Williams and D.C. Goodrich. (2008). Sensitivity of mesquite shrubland carbon exchange to precipitation in contrasting physiographic settings. *Ecology* 89:2900-2910, DOI: 10.1890/07-1177.1
- Cable J.M.**, K. Ogle, D.G. Williams, J.F. Weltzin, and T.E. Huxman (2008). Soil texture drives responses of soil respiration to precipitation pulses in the Sonoran Desert: Implications for climate change. *Ecosystems* 11:961-979, DOI: 10.1007/s10021-008-9172-x
- Cable, J.M.**, Enquist B.J., and Moses M.E. (2007). The Allometry of Host-Pathogen Interactions. *PLoS ONE* 2(11): e1130.
- Patrick L., **J.M. Cable**, D.D. Ignace, D.L. Potts, G. Barron-Gafford, N. Van Gestel, T. Robertson, H. Alpert, A. Griffith, T.E. Huxman, J. Zak, M. Loik, and D. Tissue (2007). Effects of an increase in summer precipitation on leaf, soil, and ecosystem CO₂ and H₂O fluxes in a sotol-grassland in Big Bend National Park, Texas. *Oecologia* 151(4):704-718, DOI: 10.1007/s00442-006-0621-y
- Potts D.L., T.E. Huxman, **J.M. Cable**, N.B. English, D.D. Ignace, J.A. Eilts, M.J. Mason, J.F. Weltzin, and D.G. Williams (2006). Antecedent moisture and seasonal precipitation influence the response of

canopy-scale carbon and water exchange to rainfall pulses in a semiarid grassland. *New Phytologist* 170(4): 849-860, DOI: 10.1111/j.1469-8137.2006.01732.x

Huxman T.E., **J.M. Cable**, D.D. Ignace, J.A. Eilts, N.B. English, J. Weltzin, and D.G. Williams. (2004) Response of net ecosystem gas exchange to a simulated precipitation pulse in a semiarid grassland: the role of native versus non-native grasses and soil texture. *Oecologia* 141(2):295-305, DOI: 10.1007/s00442-003-1389-y

Cable J.M. and T.E. Huxman (2004). Precipitation pulse size effects on Sonoran Desert soil microbial crusts. *Oecologia* 141(2):317-324, DOI: 10.1007/s00442-003-1461-7