ARIZONA TRI-UNIVERSITY
RECHARGE AND WATER
RELIABILITY PROJECT REPORT

APPENDIX B: ATUR PUBLICATIONS AND DATASETS AVAILABLE FOR ACCESS

Arizona State University

The University of Arizona

Northern Arizona University

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JUNE 2026

Author, Yr	Type	Title	Citation & Link
ATUR Project, 2025	White Paper	Groundwater Recharge and Environmental Enhancement Opportunities in Grasslands in Arizona	Arizona Tri-University Recharge and Water Reliability Project. (2025). *Groundwater Recharge and Environmental Enhancement Opportunities in Grasslands in Arizona* [White paper]. UA Center for Climate Adaptation Science and Solutions. https://ccass.arizona.edu/sites/default/files/2025-06/UA-CCASS-ATUR-Grasslands-Hydrology-Brief.pdf
ATUR Project, 2025	White Paper	Intersecting Flood Control and Recharge: Transforming a Liability into an Asset	Arizona Tri-University Recharge and Water Reliability Project. (2025). *Intersecting Flood Control and Recharge: Transforming a Liability into an Asset* [White paper]. UA Center for Climate Adaptation Science and Solutions. https://ccass.arizona.edu/sites/default/files/2025-03/UA-CCASS-ATUR-Flood-Control-Brief.pdf
Bromley, F. et al, 2026	Journal Publication	Groundwater Dependency and Hydroclimatic Influences on Riparian and Upland Vegetation Productivity, Upper San Pedro, Arizona, US	Bromley, F.L., Broxton, P.D., Zhang, J., van Leeuwen, W.J.D., Nagler, P. and Hu, J. (2026), Groundwater Dependency and Hydroclimatic Influences on Riparian and Upland Vegetation Productivity, Upper San Pedro, Arizona, United States. Hydrological Processes, 40: e70405. https://doi.org/10.1002/hyp.70405
Broxton, P.D. et al, 2025	Journal Publication	Forest Patch Geometry and Climate Regulate the Impact of Forest Thinning on Snowpack in the Southwest United States	Broxton, P. D., Biederman, J. A., Dwivedi, R., van Leeuwen, W. J. D., Sankey, T. Ts., Woolley, T., & Svoma, B. M. (2025). Forest Patch Geometry and climate regulate the impact of forest thinning on snowpack in the Southwest United States. *Ecohydrology*, 18(6). https://doi.org/10.1002/eco.70111
Gupta, A. et al, 2026	Data Set	Noah-MP Modeling Outputs	Gupta, A., Y. Qiu, A. Behrangi, G. Niu (2026). Noah-MP 40-Years Climatology for Water Balance over Ground Water Basins in Arizona, HydroShare, https://doi.org/10.4211/hs.a3cc18207 1124849a463b6132213af23
Gupta, N. et al, 2026	Journal Publication	Opportunistic Recharge Enhancement in Arid and Semi-Arid Regions	Gupta, N., Lima, R., Sankey, T.T., Mroczek, C., Jacobs, K., Lewis, R., Bromley, F., Xu, T., Richter, H., Broxton, P., Korgaonkar, Y., Zalesky, T., Famiglietti, J. and Springer, A. (2026), Opportunistic Recharge Enhancement in Arid and Semi-Arid Regions. Groundwater, 64: 263-277. https://doi.org/10.1111/gwat.70070

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Lewis, R., & Sankey, T. 2025	Journal Publication	ECOSTRESS evapotranspiration estimates across temporal and spatial scales in arid and semi-arid southern Arizona, USA	Lewis, R., & Sankey, T. (2025). ECOSTRESS evapotranspiration estimates across temporal and spatial scales in arid and semi-arid southern Arizona, USA. *Journal of Geophysical Research: Biogeosciences*, 130, e2025JG009141. https://doi.org/10.1029/2025JG009141
Lima, R. et al, 2025	Data Set	Arizona Lineaments derived from 10m DEM Multi-Directional Hillshade	Lima, R., A. Springer, T. Sankey (2025). Arizona Lineaments derived from 10m DEM Multi-Directional Hillshade, HydroShare, https://doi.org/10.4211/hs.6972730012384cc788bb5b3d0e686083
Lima, R. et al, 2026	Data Set	Arizona Subsurface Infiltration Index	Lima, R., A. Springer, T. Sankey (2026). Arizona Subsurface Infiltration Index v.2, HydroShare, https://doi.org/10.4211/hs.abcd8aa1a793463ab33677ce9d46db58, DOI for this published resource is pending activation.
Lima, R. et al, 2026	Data Set	Arizona Topographic Moisture Index	Lima, R., A. E. Springer, T. Sankey (2026). Arizona Topographic Relative Moisture Index (TRMI), HydroShare, https://doi.org/10.4211/hs.6cc17c1cf6e0445a93d78b065e102d41, DOI for this published resource is pending activation.
Lima, R. et al, 2025	Data Set	Arizona Soil Moisture Infiltration Index	Lima, R. (2025). Arizona Soil Moisture Infiltration Index, HydroShare, http://www.hydroshare.org/resource/e7e96f71f4b64308b914943bdb4e7901
Lima, R. et al	Journal Publication (under revisions)	Mapping Landscape Suitability for Thinning to Reduce Evapotranspiration and Enhance Groundwater Recharge in Semi-Arid Ponderosa Pine Forests	E Lima, Ryan, Neha Gupta, Travis Zalesky, Temuulen Tsagaan Sankey, Abraham E Springer, Patrick D. Broxton, and Katharine Jacobs. n.d. "Mapping Landscape Suitability for Thinning to Reduce Evapotranspiration and Enhance Groundwater Recharge in Semi-Arid Ponderosa Pine Forests." *Journal of Environmental Management*.
Moiz, A., 2025	Data Set	National Water Model Outputs	Moiz, A. (2025). Arizona Hydrologic Fluxes (1981-2020) - National Water Model, HydroShare, http://www.hydroshare.org/resource/197f5389e8844a6f9cce31c239f81f08
Moiz, A. & Mascaro, G., 2026	Journal Publication	Multiscale Assessment of the Water Balance Components in Arizona Simulated by the National Water Model	Moiz, A., & Mascaro, G. (2026). Multiscale assessment of the water balance components in Arizona simulated by the National Water Model. *JAWRA Journal of the American Water Resources Association*, 62(1). https://doi.org/10.1111/1752-1688.70080

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Mroczek, C. et al, 2025	Journal Publication	Regional base-flow index in arid landscapes using machine learning and instrumented records	Mroczek, C., Springer, A. E., Gupta, N., Sankey, T., & Lucas, B. (2025). Regional base-flow index in arid landscapes using machine learning and instrumented records. *Journal of Hydrology: Regional Studies*, 62, 102778. https://doi.org/10.1016/j.ejrh.2025.102778
Sankey, T.T. et al, 2025	Journal Publication	ECOSTRESS-derived semi-arid forest temperature and evapotranspiration estimates demonstrate drought and thinning impacts	Sankey, T. T., Kyaw, T. Y., Tatum, J., Koch, G. W., Kolb, T., Lewis, R., Poulos, H. M., Barton, A. M., LaSala, B., & Thode, A. (2025). Ecostress-derived semi-arid forest temperature and evapotranspiration estimates demonstrate drought and thinning impacts. *Remote Sensing in Ecology and Conservation*. https://doi.org/10.1002/rse2.70026
Su, X. et al, 2025	Journal Publication	Stormwater capture as a pathway to enhance groundwater recharge: A potential assessment in arid to semi-arid urban landscapes	Su, X., Dai, Q., Yao, C., Gupta, N., Korgaonkar, Y., Milczarek, M., Tong, D., & Xu, T. (2025). Stormwater capture as a pathway to enhance groundwater recharge: A potential assessment in arid to semi-arid urban landscapes. *City and Environment Interactions*, 26, 100190. https://doi.org/10.1016/j.cacint.2025.100190
Qiu, Y., 2026	Data Set	Future Projection of Hydroclimate over Arizona	Qiu, Y. (2026). Future Projection of Hydroclimate over Arizona Version 2, HydroShare, https://doi.org/10.4211/hs.a5751f0af305483682501f79d9af0bd7
Qiu, Y. et al, 2025	Journal Publication	The strong impact of precipitation intensity on groundwater recharge and terrestrial water storage change in Arizona, a typical dryland.	Qiu, Y., Famiglietti, J. S., Behrangi, A., Farmani, M. A., Yousefi Sohi, H., Gupta, A., Hung, F., Abdelmohsen, K., & Niu, G. (2025). The strong impact of precipitation intensity on groundwater recharge and terrestrial water storage change in Arizona, a typical dryland. *Geophysical Research Letters*, 52(14). https://doi.org/10.1029/2025gl114747
Zalesky, T. et al	Journal Publication (under revisions)	Floodwater Enhanced Recharge Potential in Arizona	Zalesky, Travis, Ryan Lima, Neha Gupta, Tianfang Xu, Katharine Jacobs. n.d. "Floodwater Enhanced Recharge Potential in Arizona." JAWRA.
Zalesky, T. et al	Data Set	Arizona Flood Enhanced Recharge Potential	Zalesky, T. et al (2025). Arizona Flood Enhanced Recharge Potential, HydroShare, http://www.hydroshare.org/resource/f6f72709d3664244a33e6c83982a2632