


Jillian Marie Deines

Postdoctoral Research Fellow, Earth System Science

 Curriculum Vitae available Online

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Michigan State University (2018)
- Master of Science, University of Notre Dame (2010)
- Bachelor of Science, Saint Louis University (2006)

Publications

PUBLICATIONS

- **Mapping three decades of annual irrigation across the US High Plains Aquifer using Landsat and Google Earth Engine** *REMOTE SENSING OF ENVIRONMENT*
Deines, J. M., Kendall, A. D., Crowley, M. A., Rapp, J., Cardille, J. A., Hyndman, D. W.
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- **Balancing Open Science and Data Privacy in the Water Sciences** *WATER RESOURCES RESEARCH*
Zipper, S. C., Whitney, K., Deines, J. M., Befus, K. M., Bhatia, U., Albers, S. J., Beecher, J., Brelsford, C., Garcia, M., Gleeson, T., O'Donnell, F., Resnik, D., Schlager, et al
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- **Addressing Challenges for Mapping Irrigated Fields in Subhumid Temperate Regions by Integrating Remote Sensing and Hydroclimatic Data** *REMOTE SENSING*
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- **Climate-mediated hybrid zone movement revealed with genomics, museum collection, and simulation modeling** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ryan, S. F., Deines, J. M., Scriber, J., Pfrender, M. E., Jones, S. E., Emrich, S. J., Hellmann, J. J.
2018; 115 (10): E2284–E2291
- **Annual Irrigation Dynamics in the US Northern High Plains Derived from Landsat Satellite Data** *GEOPHYSICAL RESEARCH LETTERS*
Deines, J. M., Kendall, A. D., Hyndman, D. W.
2017; 44 (18): 9350–60
- **Complex water management in modern agriculture: Trends in the water-energy-food nexus over the High Plains Aquifer** *SCIENCE OF THE TOTAL ENVIRONMENT*
Smidt, S. J., Haacker, E. K., Kendall, A. D., Deines, J. M., Pei, L., Cotterman, K. A., Li, H., Liu, X., Basso, B., Hyndman, D. W.
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- **Telecoupling in urban water systems: an examination of Beijing's imported water supply** *WATER INTERNATIONAL*
Deines, J. M., Liu, X., Liu, J.
2016; 41 (2): 251–70
- **Urban water sustainability: framework and application** *ECOLOGY AND SOCIETY*
Yang, W., Hyndman, D. W., Winkler, J. A., Vina, A., Deines, J. M., Lupi, F., Luo, L., Li, Y., Basso, B., Zheng, C., Ma, D., Li, S., Liu, et al

2016; 21 (4)

- **Tradeoffs among Ecosystem Services Associated with Global Tilapia Introductions** *REVIEWS IN FISHERIES SCIENCE & AQUACULTURE*

Deines, A. M., Wittmann, M. E., Deines, J. M., Lodge, D. M.

2016; 24 (2): 178–91