**Leah Bremer**

**(Selected Refereed Technical Papers: 2021–2022)**

Gibson, V., **Bremer**, **L.L.**, Burnett, K.M., Lui, N., & Smith, C. (2022). Biocultural values of groundwater dependent ecosystems in Kona, Hawaiʻi. *Ecology and Society*. [https://doi.org/10.5751/ES-13432-270318](https://doi.org/10.5751/ES-13432-270318" \t "_blank)

(CP-2022-08)

**Bremer, L.L.**, Coffman, M., Summers, A., Kelley, L., & Kinney, W. (2022). Managing for diverse coastal uses and and values unders sea level rise: perspectives from Oʻahu, Hawaiʻi. *Ocean and Coastal Management*. 225, 106151. [https://doi.org/10.1016/j.ocecoaman.2022.106151](https://doi.org/10.1016/j.ocecoaman.2022.106151" \t "_blank)

(CP-2022-10)

Brauman, K.A., **Bremer, L.L.**, Hamel, P., Ochoa-Tocachi, B.F., Roman-Dañobeytia, F., Bonnesoeur, V., et al. (2022). Producing valuable information from hydrologic models of nature-based solutions for water. *Integrated Environmental Assessment and Management*, 18(1):135–147. [https://doi.org/10.1002/ieam.4511](https://doi.org/10.1002/ieam.4511" \t "_blank)

Okuhata, B.K., El-Kadi, A.I., Dulai, H., Lee, J., Wada, C.A., **Bremer, L.L.**, et al. (2022). A density-dependent multi-species model to assess groundwater flow and nutrient transport in the coastal Keauhou aquifer, Hawai‘i, USA*. Hydrogeology Journal*, 30(1):231–250. [https://doi.org/10.1007/s10040-021-02407-y](https://doi.org/10.1007/s10040-021-02407-y" \t "_blank)

(CP-2022-02)

**Bremer, L.L.**, Keeler, B., Pascua, P., Walker, R., & Sterling, E. (2021). Nature-based solutions, sustainable development, and equity. In Nature-based Solutions and Water Security. *Elsevier*, pp. 81–105.

Cassin, J., Matthews, J.H., Lopez-Gunn, E., **Bremer, L.L.**, Coxon, C., Dominique, K., et al. (2021). Nature-based solutions: Action for the 21st century. In Nature-based Solutions and Water Security. *Elsevier*, pp. 445–454.

Dulai, H., Smith, C.M., Amato, D.W., Gibson, V., & **Bremer, L.L.** (2021). Risk to native marine macroalgae from land-use and climate change-related modifications to groundwater discharge in Hawaiʻi. *Limnology And Oceanography Letters*. [https://doi.org/10.1002/lol2.10232](https://doi.org/10.1002/lol2.10232" \t "_blank)

(CP-2022-05)

Meza-Prado, K., **Bremer, L.L.**, Nelson, S., Brauman, K.A., Vargas, A.M., & Gould, R.K. (2021). “Putting suppliers on the map:” Centering Upstream Voices in Water Funds Outreach. *Journal of Contemporary Water Research & Education*, 174(1), 85–105. [https://doi.org/10.1111/j.1936-704x.2021.3362.x](https://doi.org/10.1111/j.1936-704x.2021.3362.x" \t "_blank)

(CP-2022-04)

Wada, C.A., Burnett, K.M., Okuhata, B.K., Delevaux, J.M., Dulai, H., El-Kadi, A.I., Gibson, V., Smith, C., & **Bremer, L.L.** (2021). Identifying wastewater management tradeoffs: Costs, nearshore water quality, and implications for marine coastal ecosystems in Kona, Hawai‘i. *Plos One*, 16(9), e0257125.  
[https://doi.org/10.1371/journal.pone.0257125](https://doi.org/10.1371/journal.pone.0257125" \t "_blank)

Brauman, K. A., **Bremer, L.L**., Hamel, P., Tocachi, B.F.O., Roman‐Dañobeytia, F., Bonnesoeur, V., Arapa, E., & Gammie, G. (2021). Producing valuable information from hydrologic models of nature‐based solutions for water. *Integrated Environmental Assessment and Management*. [https://doi.org/10.1002/ieam.4511](https://doi.org/10.1002/ieam.4511" \t "_blank)

**Bremer, L.L.**, Nathan, N., Trauernicht, C., Pascua, P.A., Krueger, N., Jokiel, J., Barton, J., & Daily, G.C. (2021). Maintaining the many societal benefits of rangelands: The case of Hawai‘i. *Land*, 10(7), 764. [https://doi.org/10.3390/land10070764](https://doi.org/10.3390/land10070764" \t "_blank)

(CP-2022-08)

**Bremer, L.L.**, DeMaagd, N., Wada, C.A., & Burnett, K.M. (2021). Priority watershed management areas for groundwater recharge and drinking water protection: A case study from Hawai‘i Island. *Journal of Environmental Management*, 286, 111622.   
[https://doi.org/10.1016/j.jenvman.2020.111622](https://doi.org/10.1016/j.jenvman.2020.111622" \t "_blank)

(CP-2022-01)

**Bremer, L.L.**,Elshall, A.S., Wada, C.A., Brewington, L., Delevaux, J.M.S., El-Kadi, A.I., Voss, C.I., & Burnett, K.M. (2021). Effects of land cover and watershed protection futures on sustainable groundwater management in Hawaiʻi. *Hydrogeology Journal,*1-17. [https://doi.org/10.1007/s10040-021-02310-6](https://doi.org/10.1007/s10040-021-02310-6" \t "_blank)

(CP-2021-14)

Melone, A., **Bremer, L.L.**, Crow, S.E., Hastings, Z., Winter, K.B., Ticktin, T., Rii, Y.M., Wong, M., Kukea-Shultz, K., Watson, S.J., & Trauernicht, C. (2021). Assessing Baseline Carbon Stocks for Forest Transitions: A Case Study of Agroforestry Restoration from Hawaiʻi. *Agriculture*, 11(3), 189. [https://doi.org/10.3390/agriculture11030189](https://doi.org/10.3390/agriculture11030189" \t "_blank)

Mandle, L., Estrada-Shields, A., Chaplin-Kramer, C., Mitchell, G.E.M., **Bremer, L.L.**, Gourevitch, J.D., Hawthorne, P., Johnson, J., Robinson, B.E., Smith, J.R., Sonter, L.J., Verutes, G.M., Vogls, A.L, Daily, G.C., & Ricketts, J.H. (2021). Increasing decision relevance of ecosystem service science. *Nature Sustainability*, 4(2):161–169.  
[https://doi.org/10.1038/s41893-020-00625-y](https://doi.org/10.1038/s41893-020-00625-y" \t "_blank)

(CP-2021-05)

Gould, R., **Bremer, L.L.**, Pascua, P., & Meza Prado, K. (2020). Frontiers in cultural ecosystem services: Toward greater equity and justice in ecosystem services research and practice. *Bioscience*, 70(12):1093–1107. [https://doi.org/10.1093/biosci/biaa112](https://doi.org/10.1093/biosci/biaa112" \t "_blank)

(CP-2020-19)

Winter, K.B., Rii, Y.M., Reppun, F., Hintzen, K.D., Alegado, R.A., Bowen, B.W., **Bremer, L.L.**, et al. (2020). Collaborative research to inform adaptive co-management: a framework for the Heʻeia National Estuarine Research Reserve, *Ecology and Society*. 25(4):15.  
[https://doi.org/10.5751/ES-11895-250415](https://doi.org/10.5751/ES-11895-250415" \t "_blank)

Elshall, A.S., Arik, A.D, El-Kadi, A.I., Pierce, S., Burnett, K.M, Wada, C.A., **Bremer, L.L.**, & Chun, G. (2020). Groundwater sustainability: a review of the interactions between science and policy. *Environmental Research Letters,*15(9), 093004.  
[https://iopscience.iop.org/article/10.1088/1748-9326/ab8e8c](https://iopscience.iop.org/article/10.1088/1748-9326/ab8e8c" \t "_blank)

Engels, J.L., Watson, S., Dulai, H., Burnett, K.M., Aga, A., DeMaagd, N., Wada, C.A., McHugh, Sumida, B., &**Bremer, L.L.** (2020). Collaborative research to support urban agriculture in the face of change: the case of Sumida watercress farm. *Plos One.* 15(7), e0235661. [https://doi.org/10.1371/journal.pone.0235661](https://doi.org/10.1371/journal.pone.0235661" \t "_blank)

Hastings, Z., Ticktin, T., Botelho, M., Reppun, N., Kukea-Shultz, K., Wong, M., Melone, A., & **Bremer, L.L.** (2020). Integrating co-production and functional trait approaches for inclusive and scalable restoration solutions. *Conservation Science and Practice,*2(9): e250.[https://doi.org/10.1111/csp2.250](https://doi.org/10.1111/csp2.250" \t "_blank)

Winter, K.B., Lincoln, N.K., Berkes, F., Alegado, R.A., Kurashima, N., Frank, K.L., Pascua, P., Rii, Y.M., Reppun, F., Knapp, I.S.S., McClatchey, W.C., Ticktin, T., Smith, C., Franklin, E.C., Oleson, K., Price, M.R., McManus, M.A., Donahue, M.J., Rodgers, K.S., Bowen, B.W., Nelson, C.E., Thomas, B., Leong, J.-A., Madin, E.M.P., Rivera, M.A.J., Falinski, K.A., **Bremer, L.L.**, Deenik, J.L., Gon III, S.M., Neilson, B., Okano, R., Olegario, A., Nyberg, B., Kawelo, A.H., Kotubetey, K., Kukea-Shultz, J.K., & Toonen, R.J. (2020). Ecomimicry in indigenous resource management: Optimizing ecosystem services to achieve resource abundance, with examples from Hawaiʻi. *Ecology and Society*, 25(2). [https://doi.org/10.5751/es-11539-250226](https://doi.org/10.5751/es-11539-250226" \t "_blank)

(CP-2020-17)

Burnett, K.M, Elshall, A.S., Wada, C.A., Arik, A., El-Kadi, A.I., Delevaux, J.M.S., & **Bremer, L.L.**(2020). Incorporating spring discharge protection into sustainable groundwater management: A case study from Pearl Harbor Aquifer, Hawaiʻi. *Frontiers Water*, 2(14). [https://doi.org/10.3389/frwa.2020.00014](https://doi.org/10.3389/frwa.2020.00014" \t "_blank)

(CP-2020-14)

**Bremer L.L.**, Hamel P, Ponette-González A.G., Pompeu P.V., Saad S.I., & Brauman, K.A. (2020). Who are we measuring and modeling for? Supporting multilevel decision-making in watershed management. *Water Resources Research,* 56, e2019WR026011.  
[https://doi.org/10.1029/2019WR026011](https://doi.org/10.1029/2019WR026011" \t "_blank)

(CP-2020-07)

Hamel P, **Bremer L.L.**, Ponette-González A.G., Acosta E, Fisher J.R.B., Steele B, Cavassani A.T., Klemz C., Blainski E., & Brauman, K.A. (2020). The value of hydrologic information for watershed management programs: The case of Camboriú, Brazil. *Science of the Total Environment,* 705 (135871).   
[https://doi.org/10.1016/j.scitotenv.2019.135871](https://doi.org/10.1016/j.scitotenv.2019.135871" \t "_blank)

(CP-2020-08)

Nelson S.H., **Bremer L.L.**, Meza Prado, K., & Brauman, K.A. (2020). The political life of natural infrastructure: Water funds and alternative histories of payments for ecosystem services in Valle del Cauca, Colombia *Development and Change*, 51(1):26–50.  
[https://doi.org/10.1111/dech.12544](https://doi.org/10.1111/dech.12544" \t "_blank)

(CP-2019-29)