

- B1. **Nagler, P.L.**, C.S.T. Daughtry, M.S. Kim, & S.N. Goward. 1995. Shortwave Infrared Spectral Reflectance of Crop Residues and Soils, pp. 23-28, *Proceedings*: American Society of Agronomy. St. Louis, Missouri, Gateway to the Future, Oct 29-Nov 3, 1995. <https://www.acsmeetings.org/future-past-meetings/>
- B2. Daughtry, C.S.T., **P.L. Nagler**, M.S. Kim, J.E. McMurtrey III, & E.W. Chappelle. 1995. Spectral Reflectance of Soils and Crop Residues, pp. 1-7, *Proceedings*: 7th International Symposium on Near Infrared Spectroscopy. Montreal, Quebec, Canada. August 6-11, 1995. <https://www.tib.eu/en/search/id/TIBKAT%3A215806425/Near-infrared-spectroscopy-the-future-waves-the/>
- B3. **Nagler, P.L.**, C.S.T. Daughtry, & S.N. Goward. 1996. Shortwave Infrared Spectral Reflectance of Plant Litter and Soils, vol.3, pp. 1803-1805. *Proceedings*: International Geoscience and Remote Sensing Symposium (IGARSS '96), Lincoln, Nebraska. May 30-31, 1996. <https://doi.org/10.1109/IGARSS.1996.516806>
- B4. Daughtry, C.S.T., **P.L. Nagler**, M.S. Kim, J.E. McMurtrey III, & E.W. Chappelle. 1996. *Book Chapter*: Spectral Reflectance of Soils and Crop Residues, pp. 505-511, *In A.M.C. Davies & Phil Williams (Eds.) Near Infrared Spectroscopy: The Future Waves*. NIR Publications, Chichester, UK.
- B5. **Nagler, P.L.**, Y. Inoue, & C.S.T. Daughtry. 1997. Shortwave Infrared Reflectance of Mixed Plant Litter and Soils Samples for Quantitative Estimation of Percent Cover, vol.2, pp. 988-991. *Proceedings*: International Geoscience & Remote Sensing Symposium (IGARSS). Singapore. Aug. 3-8, 1997. <https://doi.org/10.1109/igarss.1997.606359>
- B6. Daughtry, Craig, **PL Nagler**, JE McMurtrey, & CL Lindwall. 1997. Measuring Crop Residue Cover by Shortwave Infrared Reflectance, pp. 41-45, *Proceedings*: American Society of Agronomy.
- B7. **Nagler, P.L.** 1997. Plant Litter and Soil Reflectance. *Thesis*: University of Maryland.
- B8. **Nagler, P.L.**, Y. Inoue, C.S.T. Daughtry, & A.L. Russ. 1998. Shortwave Infrared Reflectance of Mixed Scenes of Soils and Crop Residues, pp. 118-121, *Proceedings*: American Society of Agronomy. Baltimore, Maryland. Oct 18-22, 1998.
- B9. **Nagler, P.L.**, C.S.T. Daughtry, & S.N. Goward. 2000. Plant Litter and Soil Reflectance. *Journal Article*: *Remote Sensing of Environment*, 71(2), 207-215. Published: February 2000. [https://doi.org/10.1016/S0034-4257\(99\)00082-6](https://doi.org/10.1016/S0034-4257(99)00082-6)
- B10. **Nagler, P.L.**, K. Gillon, J. Pitt, B. Snape, & E.P. Glenn. 2000. Application of the U.S. Endangered Species Act across international borders: the case of the Colorado River delta, Mexico. *Editorial*, *Journal Article*: *Environmental Science and Policy*, 67-72. [https://doi.org/10.1016/s1462-9011\(00\)00072-1](https://doi.org/10.1016/s1462-9011(00)00072-1) and <https://ur.booksc.eu/book/5018856/381160>
- B11. **Nagler, P.L.** 2001. Remote Sensing Applications: Environmental Assessment of the Colorado River Delta, Mexico. University of Arizona, Tucson, Arizona. *Dissertation*: University of Arizona. [https://www.researchgate.net/publication/253581613\\_Remote\\_sensing\\_applications\\_Environmental\\_assessment\\_of\\_the\\_Colorado\\_River\\_delta\\_in\\_Mexico](https://www.researchgate.net/publication/253581613_Remote_sensing_applications_Environmental_assessment_of_the_Colorado_River_delta_in_Mexico)
- B12. Zamora-Arroyo, F.,\* **P.L. Nagler\***, M. Briggs, D. Radtke, H. Rodriguez, J. Garcia, A. Huete, C. Valdez, & E.P. Glenn. 2001. Regeneration of native trees in response to flood releases from the United States into the delta of the Colorado River, Mexico. \*both senior co-authors. *Journal Article*: *Journal of Arid Environments*, 49, 49-64. Published: Sept. 2001. <https://doi.org/10.1006/jare.2001.0835>
- B13. Glenn, E., V. Gerhart, S. Nelson, D. Moore, **P. Nagler**, & C. Machado. 2001. A community-based polyculture system in Hawai'i that incorporates all the life stages of *Gracilaria parvispora* (*Rhodophyta*), pp. 65-73. *Proceedings*: XVII<sup>th</sup> International Seaweed Symposium. University of Cape Town, South Africa. January 29, 2001.

- B14. Glenn, E.P., F. Zamora-Arroyo, **P.L. Nagler**, M. Briggs, W. Shaw, & K. Flessa. 2001. Ecology and conservation biology of the Colorado River Delta, Mexico. *Journal Article: Journal of Arid Environments*, 49(1), 5-16. Published: Sept. 2001. <https://doi.org/10.1006/jare.2001.0832>
- B15. **Nagler, P.L.**, E.P. Glenn, & A.R. Huete. 2001. Assessment of spectral vegetation indices for riparian vegetation in the Colorado River delta, Mexico. *Journal Article: Journal of Arid Environments*, 49(1), 91-110. Published: Sept. 2001. <https://doi.org/10.1006/jare.2001.0844>
- B16. **Nagler, P. L.** 2002. GIS Mapping for Riparian Habitat & Vegetation, *Published Atlas*: Colorado River Delta: Ground, Aerial, and Satellite. *Proceedings*: Priorities in the Colorado River Delta: A State-of-Knowledge. Tijuana, Mexico. October 15-17, 2002. [https://sonoraninstitute.org/resource/\\_conservation-priorities-in-the-colorado-river-delta-06-15-2005/](https://sonoraninstitute.org/resource/_conservation-priorities-in-the-colorado-river-delta-06-15-2005/)
- B17. Hinojosa-Huerta, O., **P.L. Nagler**, Y. Carrillo-Guerrero, E. Zamora-Hernandez, J. Garcia-Hernandez, F. Zamora-Arroyo, & E.P. Glenn. 2002. Andrade Mesa Wetlands of the All-American Canal. *Journal Article: Natural Resources J.*, 42(4), 899-914. [https://www.researchgate.net/publication/257526110\\_Andrade\\_Mesa\\_Wetlands\\_of\\_the\\_All-American\\_Canal](https://www.researchgate.net/publication/257526110_Andrade_Mesa_Wetlands_of_the_All-American_Canal)
- B18. **Nagler, P. L.**, E. P. Glenn, & T.L. Thompson. 2002. Comparison of transpiration rates among riparian trees using sap flow and leaf temperature methods. *Proceedings*: Ecological Society of America (ESA) 87th Annual Meeting and SER 14th International Conference. Tucson, AZ. August 4-9. <http://www.esa.org/publications/>
- B19. Rodriguez, P., A. Huete, D. Schaub, K. Didan, T. Miura, E. Glenn, & **P. Nagler**. 2002. Application of MODIS Vegetation Indices to Monitor the Seasonal Responses and Water Use Impacts over the Colorado River Delta Area, NW Mexico. *Proceedings*: MODIS Vegetation Workshop I, sponsored by Numerical Terradynamic Simulation Group (NTSG). Missoula, Montana, July 15-18, 2002. <http://www.ntsg.umt.edu/MODISCon/index.html>
- B20. Ryder, E., K. Fitzsimmons, **P. L. Nagler**, E.P. Glenn, & S. Nelson. 2002. Production of *Gracilaria parvispora* in two-phase polyculture systems in relation to nutrient requirements and uptake. *Proceedings*: Japanese Scientific Fisheries Society, Tokyo, Japan. September 23-28, 2002. <https://www.fra.affrc.go.jp/bulletin/bull/bull-b1/11.pdf>
- B21. **Nagler, P.L.**, Y. Inoue, E.P. Glenn, A. Russ, & C.S.T. Daughtry. 2003. Cellulose Absorption Index (CAI) to quantify mixed soil-plant litter scenes. *Journal Article: Remote Sensing of Environment*, 87, 310-325. Published: Oct. 15. <https://doi.org/10.1016/j.rse.2003.06.001>
- B22. **Nagler, P.L.**, E.P. Glenn, & T.L. Thompson. 2003. Comparison of transpiration rates among saltcedar, cottonwood and willow trees by sap flow and canopy temperature methods. *Journal Article: Agricultural and Forest Meteorology*, 110, 1-17. Published: April 2003. [https://doi.org/10.1016/S0168-1923\(02\)00251-4](https://doi.org/10.1016/S0168-1923(02)00251-4)
- B23. **Nagler, P.L.**, E.P. Glenn, S. Nelson, & S. Napolean. 2003. Effects of fertilization treatment and stocking density on the growth and yield of the economic seaweed *Gracilaria parvispora* (*Rhodophyta*) in cage culture at Moloka'i, Hawai'i. *Journal Article: Aquaculture*, 219(1-4), 379-391. doi:10.1016/S0044-8486(02)00529-X
- B24. **Nagler, P.**, O. Hinojosa, R. Romo, A. Huete, C. Curtis, & E. Glenn. 2003. Quantifying land cover and avian habitat in the delta of the Colorado River, pp 1-4, *Proceedings*: 30th International Symposium on Remote Sensing of Environment (ISRSE). Honolulu, Hawai'i, November 10-14, 2003. [http://symposia.org/past\\_symposia.htm](http://symposia.org/past_symposia.htm)
- B25. **Nagler, P.**, E. Glenn, & R. C. Brusca. 2004. *Book: Photographic Atlas of Esteros and Other Coastal Wetlands of Conservation Interest in the Northern Gulf of California*, 1-147. Published by the Arizona-Sonora Desert Museum as a working atlas for wetlands researchers in the Gulf of California. [https://www.rickbrusca.com/http://www.rickbrusca.com\\_index.html/Books.html](https://www.rickbrusca.com/http://www.rickbrusca.com_index.html/Books.html)

- B26. **Nagler, P.**, E. Glenn, & R. C. Brusca. 2004. *Proceedings*: Conference on the Gulf of California, sponsored by the Arizona-Sonora Desert Museum & Packard Foundation. Tucson, AZ. June 17-23, 2004. <http://www.gulfconference.org/>
- B27. Ryder, E., S. Nelson, E. Glenn, **P. Nagler**, S. Napolean, & K. Fitzsimmons. 2004. *Journal Article, Review*: Production of *Gracilaria parvispora* in two-phase polyculture systems in relation to nutrient requirements and uptake. *Bulletin: Fish. Res. Agen. Supplement*, 1, 71-76. [https://www.researchgate.net/publication/228735423\\_Review\\_Production\\_of\\_Gracilaria\\_parvispora\\_in\\_two-phase\\_polyculture\\_systems\\_in\\_relation\\_to\\_nutrient\\_requirements\\_and\\_uptake](https://www.researchgate.net/publication/228735423_Review_Production_of_Gracilaria_parvispora_in_two-phase_polyculture_systems_in_relation_to_nutrient_requirements_and_uptake)
- B28. Kim, H.J., Huete, A., Glenn, E., & **Nagler, P.** 2004. Spatial and Temporal Vegetation Dynamics and Relationships to Water Availability in the San Pedro Riparian Zone, Arizona. *Proceedings*: AVIRIS 2004 Workshop, Sponsored by the Jet Propulsion Lab, California Institute of Technology, Pasadena, California. March 31-April 2, 2004. <http://aviris.jpl.nasa.gov/html/wrkshpletter2004.html>
- B29. Rodriguez, P., A. Huete, D. Schaub, K. Didan, T. Miura, E. Glenn, & **P. Nagler**. 2004. Application of MODIS Vegetation Indices to Monitor the Seasonal Responses and Water Use Impacts over the Colorado River Delta Area, NW Mexico. *Proceedings*: 29th International Symposium on Remote Sensing of Environment, Buenos Aires, Argentina, April 8-12, 2004.
- B30. **Nagler, P.L.**, E. Glenn, A. Huete, J. Cleverly, & Z. Wan. 2004. MODIS Vegetation Indices, MODIS Land Surface Temperatures and Micrometeorological Variables to Predict Riparian Evapotranspiration along the Middle Rio Grande. *Proceedings*: MODIS Vegetation Workshop II, Missoula, Montana. August 17-19, 2004. <http://www.ntsg.umt.edu/MODISCon/index.html>
- B31. **Nagler, P.L.**, E.P. Glenn, T.L. Thompson, & A. R. Huete. 2004. Leaf Area Index and Normalized Vegetation Difference Index as predictors of canopy characteristics and light interception by riparian species on the lower Colorado River. *Journal Article*: *Agricultural and Forest Meteorology*, 125(1-2), 1-17. <https://doi.org/10.1016/j.agrformet.2004.03.008>
- B32. Huete, A., K. Didan, D. Lampkin, E. Glenn, & **P. Nagler**. 2004. Multi-Year MODIS Time Series Analysis of Land Conversion Processes in Semiarid Regions. *Proceedings*: 70<sup>th</sup> American Society of Photogrammetry and Remote Sensing (ASPRS) Imaging and Geospatial Information Society, Multi-temporal Image Analysis and Applications – Part VIII: Land Cover Trend Analysis. Denver, Colorado, May 23-28, 2004. <http://www.asprs.org/denver2004/index.html>
- B33. **Nagler, P.L.**, Curtis, C.C., & E.P. Glenn. 2004. An inexpensive digital vegetation mapping system. *Proceedings*: 4<sup>th</sup> International Symposium of the Photogrammetry and Remote Sensing Society (ISPRS), Mobile Mapping & Technology Conf., Paper #1089. Kunming, China. Mar. 29-31, 2004.
- B34. **Nagler, P.L.** 2004. Application of MODIS Vegetation Indices and Land Surface Temperatures to Predict Riparian Evapotranspiration across the Semi-Arid Southwest, Using Micrometeorological Tower Data from the Middle Rio Grande, San Pedro River, and the Lower Colorado River. *Proceedings*: Geological Society of America, 36(5), 515. Denver, Colorado. November 7-10, 2004. <http://www.geosociety.org/meetings/2004/>

Joined USGS: September 2005

---

- B35. Zamora-Arroyo, F., Pitt, J., Conrelius, S., Glenn, E., Hinojosa-Huerta, O., Moreno, M., Garcia, J., **Nagler, P.**, de la Garza, M., & Parra, I., 2005. *Cooperator Report*: Conservation Priorities in the Colorado River Delta, Mexico and the United States. Tucson, Sonoran Institute., 103 p. [http://www.sonoran.org/programs/sonoran\\_desert/si\\_sdep\\_delta\\_priorities.html](http://www.sonoran.org/programs/sonoran_desert/si_sdep_delta_priorities.html)
- B36. Huete, A., H.Kim, E. Glenn, & **P. Nagler**. 2005. Land surface water variability and dynamics during a severe drought in the southwest, USA. *Proceedings*: International Symposium on Remote Sensing of Environment (ISRSE). St. Petersburg, Russia. June 20-24.
- B37. **Nagler, P.**, J. Cleverly, D. Lampkin, E. Glenn, A. Huete, & Z. Wan. 2005. Predicting riparian evapotranspiration from MODIS vegetation indices and meteorological data. *Journal Article*: *Remote*

- Sensing of Environment*, 94(1), 17-30. Published: January 2005.  
<https://doi.org/10.1016/j.rse.2004.08.009>
- B38. Glenn, E., & **P. Nagler**. 2005. Comparative ecophysiology of *Tamarix ramosissima* and native trees in western U.S. riparian zones. *Journal Article: Journal of Arid Environments*, 61(3), 419-446. Published: May 2005. <https://doi.org/10.1016/j.jaridenv.2004.09.025>
- B39. **Nagler, P.**, R. Scott, C. Westenburg, J. Cleverly, E. Glenn, & A. Huete. 2005. Evapotranspiration on western U.S. rivers estimated by the Enhanced Vegetation Index from MODIS and data from eddy covariance and Bowen ratio flux towers. *Journal Article: Remote Sensing of Environment*, 97(3), 337-351. Published: August 2005. <https://doi.org/10.1016/j.rse.2005.05.011>
- B40. **Nagler, P.L.**, Glenn, E.P., K. Hursh, C. Curtis, & A. Huete. 2005. Vegetation mapping for change detection on an arid zone river. *Journal Article: Environmental Monitoring and Assessment*, 109(1-3), 255-274. Published: October 2005. <https://doi.org/10.1007/s10661-005-6285-y>
- B41. **Nagler, P.L.**, O. Hinojosa-Huerta, E. Glenn, J. Garcia-Hernandez, R. Romo, C. Curtis, A. Huete, & S. Nelson. 2005. Regeneration of native trees in the presence of invasive saltcedar in the Colorado River delta, Mexico. *Journal Article: Conservation Biology*, 19(6), 1842-1852. Published: December 2005. <https://doi.org/10.1111/j.1523-1739.2005.00234.x>
- B42. Mesta, R., M.L. Scott, J.F. Villaseñor, **P. Nagler**, E. Gomez, E.W. Reynolds, C.L. Jones, & J. Duberstein. 2006. *Cooperator Report*: Western North American Land Bird Project: Wintering Habitats in Sonora, Mexico. Final Report for the Neotropical Migratory Bird Conservation Act Funded Project, U.S. Fish and Wildlife Service, Migratory Bird Office, Tucson, Arizona. 146 pp.
- B43. Glenn, E.P., **P.L. Nagler**, R.C. Brusca, & O. Hinojosa-Huerta. 2006. Coastal wetlands of the northern Gulf of California: inventory and conservation status. *Journal Article: Aquatic Conservation: Marine & Freshwater Ecosystems*, 16(1), 5-28. <https://doi.org/10.1002/aqc.681>
- B44. Franklin, K., K. Lyons, **P. Nagler**, D. Lampkin, E. Glenn, F. Molina-Freaner, T. Markow, & A. Huete. 2006. Buffelgrass (*Pennisetum ciliare*) land conversion and productivity in the plains of Sonora, Mexico. *Journal Article: Biological Conservation*, 127(1), 62-71. <https://doi.org/10.1016/j.biocon.2005.07.018>
- B45. **Nagler, P.L.** 2006. Water-use by *tamarisk* using MODIS EVI and neutron probe soil moisture data from three 1-km<sup>2</sup> sites at Cibola NWR on the lower Colorado River. *Proceedings: Global Vegetation Workshop III*. Missoula, Montana. August 7-10. <http://www.ntsg.umt.edu/VEGWTG>
- B46. **Nagler, P.L.** 2006. Ecological Relationships and Water Use by Native Vegetation & Exotic Saltcedar: Results from studies on Western U.S. Rivers. Published by USGS Sonoran Desert Research Station. *Proceedings: 6th Conference on Research and Resource Management in the Southwestern Desert: Borders, Boundaries and Time Scales*. Tucson, AZ. May 2-5, 2006.
- B47. **Nagler, P.**, A. Jetton, J. Fleming, K. Didan, E. Glenn, K. Morino, J. Erker, J. Milliken, & S. Gloss. 2007. Evapotranspiration in a cottonwood (*Populus fremontii*) restoration plantation estimated by sap flow and remote sensing methods. *Journal Article: Agricultural and Forest Meteorology*, 144(1-2), 95-110. Published: May 2007. <https://doi.org/10.1016/j.agrformet.2007.02.002>
- B48. **Nagler, Pamela L.**, Edward P. Glenn, HoJin Kim, William E. Emmerich, Russell L. Scott, Travis E. Huxman, & Alfredo R. Huete. 2007. Relationship between evapotranspiration and precipitation pulses in a semiarid rangeland estimated by moisture flux towers and MODIS vegetation indices. *SI: Soil Moisture Experiment 2004 in Arizona & Sonora*. *Journal Article: Journal of Arid Environments*, 70(3), 443-462. Published: August 2007. <https://doi.org/10.1016/j.jaridenv.2006.12.026>
- B49. Glenn, Edward P., Alfredo R. Huete, **Pamela L. Nagler**, Katherine K. Hirschboeck, & Paul Brown. 2007. *Review: Integrating Remote Sensing and Ground Methods to Estimate Evapotranspiration*. *Journal Article: Critical Reviews in Plant Science*, 26(3), 139-168. Published: December 2007. <https://doi.org/10.1080/07352680701402503>

- B50. Glenn, Edward P., Karl W. Flessa, Michael J. Cohen, **Pamela L. Nagler**, Kristen Rowell, & Francisco Zamora-Arroyo. 2007. Just add water and the Colorado River still reaches the sea. *Journal Article: Environmental Management*, 40(1), 1-6. Published: July 2007. <https://doi.org/10.1007/s00267-006-0070-8>
- B51. Glenn, E., & **P. Nagler**. 2007. *Book Chapter*: New life for the Colorado River Delta, pp. 357-363, *In Dry Borders: Great Natural Reserves of the Sonoran Desert*, Richard Stephen Felger & William Broyles (eds). Salt Lake City: University of Utah Press, 800 pages.
- B52. Glenn, Edward P., Kiyomi Morino, Kamel Didan, Fiona Jordan, Kenneth Carrol, **Pamela L. Nagler**, Kevin Hultine, Linda Sheader, & Jody Waugh. 2008. Scaling sap flux measurements of grazed and ungrazed shrub communities with fine and coarse-resolution remote sensing. *Journal Article: Ecohydrology*, 1(4), 316-329. <https://doi.org/10.1002/eco.19>
- B53. **Nagler, Pamela L.**, Edward P. Glenn, Osvel Hinojosa-Huerta, Francisco Zamora, & Keith Howard. 2008. Riparian Vegetation Dynamics and Evapotranspiration for the Riparian Corridor in the Delta of the Colorado River, Mexico: Implications for Conservation and Management. *Journal Article: Journal of Environmental Management*, 88(4), 864-874. Published: September. <https://doi.org/10.1016/j.jenvman.2007.04.010>
- B54. Scott, R. L., W.L. Cable, T.E. Huxman, **P.L. Nagler**, & D.C. Goodrich. 2008. Multiyear riparian evapotranspiration and groundwater use for a semiarid watershed. *Journal Article: Journal of Arid Environments*, 72(7), 1232-1246. Published: July 2008. <https://doi.org/10.1016/j.jaridenv.2008.01.001>
- B55. Glenn, Edward P., Alfredo R. Huete, **Pamela L. Nagler**, & Stephen G. Nelson. 2008. *Review: Relationship between remotely-sensed vegetation indices, canopy attributes, and plant physiological processes: what vegetation indices can and cannot tell us about the landscape*. *Journal Article: Sensors*, 8(4), 2136-2160. Published: April. <https://doi.org/10.3390/s8042136>
- B56. **Nagler, Pamela L.**, Edward P. Glenn, Kamel Didan, John Osterberg, Fiona Jordan, & Jack Cunningham. 2008. Wide-area estimates of stand structure and water use of *Tamarix* spp. on the lower Colorado River: Implications for restoration and water management projects. *Journal Article: Restoration Ecology*, 16(1), 136-145. Published: March 2008. <https://doi.org/10.1111/j.1526-100X.2008.00356.x>
- B57. Glenn, Edward, Kate Hucklebridge, Osvel Hinojosa-Huerta, **Pamela Nagler**, & Jennifer Pitt. 2008. Reconciling environmental and flood control goals on an arid-zone river: Case study of the Limitrophe region of the lower Colorado River in the United States and Mexico. *Journal Article: Environmental Management*, 41(3), 322-335. Published: March 2008. <https://doi.org/10.1016/j.jenvman.2007.04.010>
- B58. Dennison, P. E., **P. L. Nagler**, K. R. Hultine, E. P. Glenn, & J. R. Ehleringer. 2008. Monitoring the Impacts of Tamarisk Biocontrol Using Remote Sensing. Sponsored by USDA Forest Service Salt Lake City, UT. April 15-17, 2008. *Proceedings: 12<sup>th</sup> Biennial Remote Sensing Applications Conf.*
- B59. **Nagler, Pamela L.**, & Edward P. Glenn. 2008. Water use by riparian plants on the lower Colorado River. Coming Together: Coordination of Science and Restoration Activities for the Colorado River Ecosystem. *Proceedings: Colorado River Basin Science & Resource Management Symposium*. Sponsored by Water Education Foundation. Scottsdale, AZ. Nov. 18-20, 2008. [https://www.researchgate.net/profile/Theodore-Melis/publication/258998603\\_Proceedings\\_of\\_the\\_Colorado\\_River\\_Basin\\_Science\\_and\\_Resource\\_Management\\_Symposium\\_November\\_18-20\\_2008\\_Scottsdale\\_Arizona/links/00b7d529a09f5a86cb000000/Proceedings-of-the-Colorado-River-Basin-Science-and-Resource-Management-Symposium-November-18-20-2008-Scottsdale-Arizona.pdf#page=293](https://www.researchgate.net/profile/Theodore-Melis/publication/258998603_Proceedings_of_the_Colorado_River_Basin_Science_and_Resource_Management_Symposium_November_18-20_2008_Scottsdale_Arizona/links/00b7d529a09f5a86cb000000/Proceedings-of-the-Colorado-River-Basin-Science-and-Resource-Management-Symposium-November-18-20-2008-Scottsdale-Arizona.pdf#page=293)
- B60. Hultine, K. R., **P. L. Nagler**, P.E. Dennison, S.E. Bush, & J.R. Ehleringer. 2008. Tamarisk (*Tamarix*) water flux patterns before, during and after episodic defoliation by the salt cedar leaf beetle on the Colorado Plateau, USA. *Proceedings: 7<sup>th</sup> International Workshop on Sapflow*, International Society

- for Horticultural Science (ISHS), *Acta Horticulturae*, 846, 293-302. Seville, Spain. Oct. 21-24, 2008.  
Published: October 2009. [www.7isapflow.com](http://www.7isapflow.com).
- B63. **Nagler, Pamela L.**, Morino, Kiyomi, Murray, Scott, Osterberg, John, Glenn, & Edward P. 2009. An Empirical Algorithm for Estimating Agricultural and Riparian Evapotranspiration Using MODIS Enhanced Vegetation Index and Ground Measurements of ET. Part I. Description of method. *Journal Article: Remote Sensing*, SI Global Croplands, 1(4), 1273-1297. Published: Dec 10. <https://doi.org/10.3390/rs1041273>  
IP-015838, BAO Approval Date: 08/21/09
- B64. Murray, R. Scott, **Pamela L. Nagler**, & Edward P. Glenn. 2009. An Empirical Algorithm for Estimating Agricultural and Riparian Evapotranspiration Using MODIS Enhanced Vegetation Index and Ground Measurements of ET. Part II. Application to the Lower Colorado River, U.S. *Journal Article: Remote Sensing*, SI: Global Croplands 1(4), 1125-1138. Published: Nov. 2009.  
<https://doi.org/10.3390/rs1041125>  
IP-015840, BAO Approval Date: 08/21/09
- B65. **Nagler, Pamela L.**, Edward P. Glenn, & Osvel Hinojosa-Huerta. 2009. Synthesis of ground and remote sensing data for monitoring ecosystem functions in the Colorado River Delta, Mexico. *Journal Article: Remote Sensing of Environment*, SI focused on Monitoring Parks and Protected Areas 113(7), 1473-1485. Published: July 15. <https://doi.org/10.1016/j.rse.2008.06.018>
- B66. Dennison, P. E., **P. L. Nagler**, K. R. Hultine, E. P. Glenn, & J. Ehleringer. 2009. Remote Monitoring of Tamarisk Defoliation and Evapotranspiration Following Saltcedar Leaf Beetle Attack. *Journal Article: Remote Sensing of Environment*, SI focused on Monitoring Parks and Protected Areas, 113(7), 1462-1472. Published: July 15. <https://doi.org/10.1016/j.rse.2008.05.022>
- B67. Glenn, Edward P., Casey McKeon, Vanda Gerhart, **Pamela L. Nagler**, Fiona Jordan, & Janick Artiola. 2009. Deficit irrigation of a landscape halophyte for reuse of saline waste water in a desert city. *Journal Article: Landscape and Urban Planning*, 89, 57-64.  
<https://doi.org/10.1016/j.landurbplan.2008.10.008>
- B68. **Nagler, Pamela L.**, Kiyomi Morino, Kamel Didan, Joseph Erker, John Osterberg, Kevin R. Hultine, & Edward P. Glenn. 2009. Wide-Area estimates of saltcedar (*Tamarix* spp.) evapotranspiration on the lower Colorado River measured by heat balance and remote sensing methods. *Journal Article: Ecohydrology*, 2(1), 18-33. <https://doi.org/10.1002/eco.35>  
IP-010984, BAO Approval Date: 01/20/2009
- B69. Stromberg, J. C., M. K. Chew, **P. L. Nagler**, & E. P. Glenn. 2009. Changing Perceptions of Change: The Role of Scientists in *Tamarix* and River Management. *Journal Article: Restoration Ecology*, 17(2), 177-186. Published: March. <https://doi.org/10.1111/j.1526-100X.2008.00514.x>  
IP-011032, BAO Approval Date: 01/09/2009
- B70. Scott, Michael L., **Pamela L. Nagler**, Edward P. Glenn, Carlos Valdes-Casillas, Joseph A. Erker, Elizabeth W. Reynolds, Patrick B. Shafrroth, Eduardo Gomezy-Limon, & Cory L. Jones. 2009. Assessing the extent and diversity of riparian ecosystems in Sonora, Mexico. *Journal Article: Biodiversity and Conservation*, 18(2), 247-269. Published: February. <https://doi.org/10.1007/s10531-008-9473-6>
- B71. Franklin, Kim A., Edward P. Glenn, Kelly Lyons, **Pamela L. Nagler**, Francisco Molina-Freaner, Theresa Markow. 2009. *Book Chapter: Rates of buffelgrass (*Pennisetum ciliare*) Land Conversion in the Plains of Sonora, Mexico*. Pp. 383-394 in Van Devender, T. R., F. J. Espinosa-García, B. L. Harper-Lore, & T. Hubbard (eds). 2009. *Invasive Plants on the Move: Controlling Them in North America*. *Proceedings: Weeds Across Borders 2006 Conference*. Arizona-Sonora Desert Museum, Tucson, AZ. May 25-28, 2006. Published: November 2009.
- B72. **Nagler, Pamela L.**, Edward P. Glenn, Kim A. Franklin, Derrick Lampkin, & Alfredo R. Huete. 2009. *Book Chapter: Remote Sensing Methods to Monitor Buffelgrass (*Pennisetum ciliare*) and Native Ecosystem Productivity in the Plains of Sonora, Mexico*, pp. 265-274, in Van Devender, T. R., F. J.

- Espinosa-García, B. L. Harper-Lore, & T. Hubbard (eds). 2009. *Invasive Plants on the Move: Controlling Them in North America*. *Proceedings*: Weeds Across Borders 2006 Conference. Arizona-Sonora Desert Museum, Tucson, AZ. May 25-28, 2006. Published: November 2009.
- B73. **Nagler, P.L.**, E.P. Glenn, C.S. Jarnevich, & P.B. Shafroth. 2010. *USGS SIR Chapter 2*: Distribution and abundance of saltcedar and Russian olive in the western United States. Pages 7-32 in P.B. Shafroth, C.A. Brown, & D.M. Merritt (eds.), Saltcedar and Russian olive Control and Demonstration Act science assessment. U.S. Geological Survey, Scientific Investigations Report 2009-5247, 143 p. <http://pubs.usgs.gov/sir/2009/5247/>
- B74. **Nagler, P.L.**, P.B. Shafroth, J.W. LaBaugh, K.A. Snyder, R.L. Scott, D.M. Merritt, & J. Osterberg. 2010. *USGS SIR Chapter 3*: The potential for water savings through the control of saltcedar and Russian olive. Pages 33-48 in P.B. Shafroth, C.A. Brown, & D.M. Merritt (eds.), Saltcedar and Russian olive Control and Demonstration Act science assessment. U.S. Geological Survey, Scientific Investigations Report 2009-5247, 143 p. <http://pubs.usgs.gov/sir/2009/5247/>
- B75. **Nagler, P.L.**, P.B. Shafroth, J.W. LaBaugh, K.A. Snyder, R.L. Scott, D.M. Merritt, & J. Osterberg. 2010. *USGS SIR Last Chapter, Executive Summary*: Science Assessment Executive Summary. Pages 144-157 in P.B. Shafroth, C.A. Brown, & D.M. Merritt (eds.), Saltcedar and Russian olive Control and Demonstration Act science assessment. U.S. Geological Survey, Scientific Investigations Report 2009-5247, 143 p. <http://pubs.usgs.gov/sir/2009/5247/>
- B76. Glenn, Edward P., **Pamela L. Nagler**, & Alfredo R. Huete. 2010. Vegetation Index Methods for Estimating Evapotranspiration by Remote Sensing. *Journal Article: Surveys in Geophysics*, 31(6), 531-555. Published: Oct. 2010. doi:10.1007/S10712-010-9102-2.
- B77. Hultine, Kevin R., Jayne Belnap, Charles van Riper III, James R Ehleringer, Phillip E. Dennison, Martha E. Lee, **Pamela L. Nagler**, Keirith A. Snyder, Shauna M. Uselman, & Jason B. West. 2010. Tamarisk biocontrol in the western United States: ecological and societal implications. *Journal Article: Frontiers in Ecology and the Environment*, 8(9), 467-474. Published: November 2009. <https://doi.org/10.1890/090031>  
IP-011143, BAO Approval Date: 02/26/09
- B78. Hultine, K.R., **P.L. Nagler**, K. Morino, S.E. Bush, K.G. Burtch, P.E. Dennison, E.P. Glenn, & J.R. Ehleringer. 2010. Sap-flux scaled transpiration by tamarisk (*Tamarix* spp.) before, during, and after defoliation by the saltcedar leaf beetle. *Journal Article: Agricultural and Forest Meteorology*, 150(11), 1467–1475. Published: Oct. 15, 2010. <https://doi.org/10.1016/j.agrformet.2010.07.009>  
IP-019700, BAO Approval Date: 05/25/10
- B79. Hartwell\*, S., Edward P. Glenn, Kiyomi Morino, & **Pamela L. Nagler**. 2010. On the irrigation requirements of cottonwood (*Populus fremontii* and *P. deltoides* var. *wislizenii*) and willow (*Salix gooddingii*) grown in a desert environment. *Journal Article: Journal of Arid Environments*, 74(6), 667-674. Published: June 2010. <https://doi.org/10.1016/j.jaridenv.2009.12.007> \*Student  
IP-015902, BAO Approval Date: 08/25/09
- B80. **Nagler, Pamela L.**, & Edward P. Glenn. 2010. Water Use by Riparian Plants on the Lower Colorado River, p. 139-149, In Melis, T.S., Hamill, J.F., Coggins, L.G., Jr., Grams, P.E., Kennedy, T.A., Kubly, D.M., and Ralston, B.E. (eds). *Proceedings: Colorado River Basin Science and Resource Management Symposium*, November 18–20, 2008, Scottsdale, Arizona: U.S. Geological Survey Scientific Investigations Report 2010-5135.
- B81. **Nagler, Pamela L.** 2011. The role of remote sensing observations and models in hydrology: the science of evapotranspiration. *Journal Special Issue Editor, Hydrological Processes: SI Remote Sensing of Hydrology, the Science of Evapotranspiration* (Eds. **P. Nagler**, T. Doody, W. Kustas, M. Anderson, C. Neale, R. Harding, K. McDonald). *Journal Article: Hydrological Processes*, 25(26), 3977–3978. <https://doi.org/10.1002/hyp.8436>

- B82. Doody\*, Tanya M., **Pamela L. Nagler**, Edward P. Glenn, Georgianne W. Moore, Kiyomi Morino, Kevin R. Hultine, & Richard G. Benyon. 2011. Potential for water salvage by removal of non-native vegetation from dryland river systems. *Journal Article: Hydrological Processes*, 25(26), 4117–4131. <https://doi.org/10.1002/hyp.8395> \*Student  
IP-030429
- B83. Senay, Gabriel, Stanley Leake, **Pamela Nagler**, Guleid Artan, Jesse Dickinson, Jeffrey Cordova & Edward Glenn. 2011. Estimating Basin Scale Evapotranspiration (ET) by Water Balance and Remote Sensing Methods. *Journal Article: Hydrological Processes*, 25(26), 4037–4049. <https://doi.org/10.1002/hyp.8379>
- B84. Glenn, Edward, Christopher Neale, Doug Hunsaker, & **Pamela Nagler**. 2011. Vegetation-Index-based crop coefficients to estimate evapotranspiration by remote sensing in agricultural and natural ecosystems. *Journal Article: Hydrological Processes*, 25(26), 4050–4062. <https://doi.org/10.1002/hyp.8392>  
IP-032844
- B85. **Nagler, P.L.**, E.P. Glenn, C.S. Jarnevich, & P.B. Shafrroth. 2011. *Review: Distribution and abundance of saltcedar and Russian olive in the western United States. Journal Article: Critical Reviews in Plant Sciences*, 30(6), 508-523. <https://doi.org/10.1080/07352689.2011.615689>.
- B86. **Nagler, Pamela L.**, B.B. Maruthi Sridhar, Aaryn Dyami Olsson, Willem J.D. van Leeuwen, & Edward P. Glenn. 2011. *Invited Book Chapter: Chapter 16: Hyperspectral Remote Sensing Tools for Quantifying Plant Litter and Invasive Species in Arid Ecosystems*, pp. 361-393, *In Hyperspectral Remote Sensing of Vegetation* Edited by Prasad Thenkabail, John Lyons, & Alfredo Huete. First Edition: October 25, 2011. CRC Press- Taylor and Francis group, Boca Raton, London, New York. Pp. 782. <http://www.crcpress.com/product/isbn/9781439845370>  
IP-025420, BAO Approval Date: 06/13/2011
- B87. Quijada-Mascareñas, A., C. van Riper III, D. James, L. Lopez-Hoffman, C. Sharp, R. Gimblett, M. L. Scott, L. M. Norman, R. Medellin, J. B. Callegary, R. List, C. Wallace, P. Holm, E. Glenn, J. Leenhouts, T. Esque, M. Culver, R. Webb, R. Steidl, M. Villarreal, **P. Nagler**, W. Lackner, M. Sturm, R. Castillo-Gamez, and G. Ceballos. 2011. *Book Chapter: 7: An ecosystem level approach for developing an environmental monitoring program for the US/Mexico Border Region*, pp. 98-123, *In The Border Wall: Venues, Mechanisms and Stakeholders for a Constructive Dialogue Between the United States and Mexico*, de la Parra C.A., A. Córdova & E. Peters (eds), INE/El Colegio de la Frontera Norte, Mexico.  
IP-029363
- B88. **Nagler, Pamela L.**, Edward P. Glenn, & Kiyomi Morino. 2011. Comparison of Sap Flux, Moisture Flux Tower and MODIS Enhanced Vegetation Index Methods for Estimating Riparian Evapotranspiration. *Proceedings: Remote Sensing and Hydrology Symposium, Red Book*, 352, pp. 410-413, *In International Association of Hydrological Sciences (IAHS)*, Christopher M.U Neale & Michael H. Cosh (eds). Jackson Hole, WY. Sept. 27-30, 2010. <https://pubs.er.usgs.gov/publication/70156655>
- B89. **Nagler, Pamela L.**, Tim Brown, Kevin R. Hultine, Charles van Riper III, Daniel W. Bean, R. Scott Murray, Phil Dennison, & Edward P. Glenn. 2012. Regional scale impacts of *Tamarix* leaf beetles (*Diorhabda carinulata*) on the water availability of western U.S. rivers as determined by multi-scale remote sensing methods. *Journal Article: Remote Sensing of Environment*, 118, 227-240. Published: March. <https://doi.org/10.1016/j.rse.2011.11.011>
- B90. Glenn, Edward P., Morino, Kiyomi, **Pamela L. Nagler**, R. Scott Murray, Susanna Pearlstein, & Kevin Hultine. 2012. Roles of saltcedar and capillary rise in salinizing a non-flooding terrace on a flow-regulated desert river. *Journal Article: Journal of Arid Environments*, 79, 56-65. Published: April. <https://doi.org/10.1016/j.jaridenv.2011.11.025>

- B91. Thenkabail, Prasad S., Jerry W. Knox, Mutlu Ozdogan, Murali Krishna Gumma, Russell G. Congalton, Zhuoting Wu, Cristina Milesi, Alex Finkral, Mike Marshall, Isabella Mariotto, Songcai You, Chandra Giri, & **Pamela Nagler**. 2012. Assessing Future Risks to Agricultural Productivity, Water Resources and Food Security: How Can Remote Sensing Help? *Featured Journal Article: Photogrammetric Engineering & Remote Sensing (PE&RS)*, 78(8), 771-782. Published June 2012.  
[https://www.researchgate.net/publication/232735085\\_Assessing\\_future\\_risks\\_to\\_agricultural\\_productivity\\_water\\_resources\\_and\\_food\\_security\\_How\\_can\\_remote\\_sensing\\_help/citation/download](https://www.researchgate.net/publication/232735085_Assessing_future_risks_to_agricultural_productivity_water_resources_and_food_security_How_can_remote_sensing_help/citation/download)
- B92. Meng\*, Ran, L. Jamison, P.E. Dennison, Charles van Riper III, **P. L. Nagler**, Kevin R. Hultine, Nate Ament, Dan Bean, & Tom Dudley. 2012. Detection of tamarisk defoliation by saltcedar leaf beetles based on multitemporal Landsat 5 Thematic Mapper imagery. *Journal Article: GIScience and Remote Sensing*, 49(4), 510–537. <http://dx.doi.org/10.2747/1548-1603.49.4.510> \*student.  
IP-033243, BAO Approval Date: 09/26/2012
- B93. **Nagler, P.**, E. Glenn, & A. Huete. 2012. Using remote sensing to estimate evapotranspiration in the riparian zone of the delta of the Colorado River, pp. 1-4, *Proceedings: Remote Sensing of the Terrestrial Water Cycle*. Kona, Big Island, Hawai`i. Feb. 19-22, 2012. <https://www.agu.org/-/media/Files/Meetings/AGU-Chapman-Conference-Remote-Sensing-of-the-Terrestrial-Water-Cycle-Final-Program.pdf>
- B94. Tillman, Fred D., James B. Callegary, **Pamela L. Nagler**, & Edward P. Glenn. 2012. A simple method for estimating basin-scale groundwater discharge by vegetation in the basin and range province of Arizona using remote sensing information and geographic information systems. *Journal Article: Journal of Arid Environments* 82:44-52. <https://doi.org/10.1016/j.jaridenv.2012.02.010>  
IP-022844, BAO Approval Date: 9/28/2012
- B95. **Nagler, Pamela**, & Prasad Thenkabail. *Information Sheet: U.S. Geological Survey*. 2012. Working Group on Global Croplands and Water Use for Food Security in the Twenty-first Century  
<http://powellcenter.usgs.gov/globalcroplandwater>. Powell Center, August 2012.
- B96. **Nagler, Pamela L.**, Ed Glenn, & Eve Halper. 2012. *Cooperator Report: Integration of High-Resolution Imagery with Meteorological Data to Estimate Evapotranspiration*. Interagency Acquisition #R12PG32015, Estimating Unmetered Groundwater Irrigation Demand with High-Resolution Remote Sensing Data: Description of Methodologies and Products, Project ID 1545, Reclamation Science and Technology Program, PI Halper.
- B97. **Nagler, Pamela L.**, Edward P. Glenn, Kevin R. Hultine, & Kiyomi Morino. 2013. Environmental controls on saltcedar (*Tamarix* spp.) transpiration and stomatal conductance and implications for determining evapotranspiration of saltcedar stands by remote sensing, pp. 1-4, *Proceedings: International Geoscience and Remote Sensing Symposium (IGARSS) 2013*, Melbourne, Australia July 21-26, 2013. <https://www2.securecms.com/IGARSS2013/>
- B98. Bresloff\*, Cynthia J., Uyen Nyugen, E. P. Glenn, J. Waugh, & **P. L. Nagler**. 2013. Remote Sensing Monitoring of Site Vegetation and Evapotranspiration at a Former Uranium Mill Site on the Colorado Plateau. *Journal Article: Journal of Environmental Management*, 114, 92-104. Published: Jan. 15.  
<http://dx.doi.org/10.1016/j.jenvman.2012.09.026> \*student  
IP-033244, BAO Approval Date: 02/19/2013
- B99. Hinojosa-Huerta, Osvel, **Pamela L. Nagler**, Yamilett K. Carrillo-Guererro, & Edward P. Glenn. 2013. Effects of Drought on Birds and Riparian Vegetation in the Colorado River Delta, Mexico. *Journal Article: Ecological Engineering* 51, 275-281. Published: February 2013.  
<http://www.sciencedirect.com/science/article/pii/S0925857412004375>  
IP-015915, BAO Approval Date: 01/17/2013
- B100. Bateman, Heather L., **Pamela L. Nagler**, & Edward P. Glenn. 2013. Plot- and landscape-level changes in climate and vegetation following defoliation of exotic saltcedar (*Tamarix* sp.) from the biocontrol agent *Diorhabda carinulata* along a stream in the Mojave Desert (USA). *Journal Article: Journal of Arid Environments* 82:44-52. <https://doi.org/10.1016/j.jaridenv.2012.02.010>

- Journal of Arid Environments*, 89, 16-20. Published February 2013.  
<http://dx.doi.org/10.1016/j.jaridenv.2012.09.011>  
IP-034241, BAO Approval Date: 09/26/2012
- B101. **Nagler, Pamela L.**, & Edward P. Glenn. 2013. *Tamarix* and *Diorhabda* leaf beetle interactions: Implications for *Tamarix* water use and riparian habitat. *Journal Article: Journal of Water Resources of America (JAWRA)* 49(3): 534-548. Published: May 2013. <https://doi.org/10.1111/jawr.12053>  
IP-037786, BAO Approval Date: 11/24/2012
- B102. Glenn, Edward P., **Pamela L. Nagler**, Kiyomi Morino, & Kevin R. Hultine. 2013. Phreatophytes under stress: transpiration and stomatal conductance of *Tamarix* in a high-salinity environment. *Journal Article: Plant and Soil*, 371(1), 655-672. Published: June 2013.  
<https://doi.org/10.1007/s11104-013-1848-0>  
IP-045751, BAO Approval Date: 04/25/2013
- B103. **Nagler, Pamela L.**, Edward Glenn, Uyen Nguyen, Russ Scott, & Tanya Doody. 2013. Estimating riparian and agricultural actual evapotranspiration by reference evapotranspiration and MODIS Enhanced Vegetation Index. *SI Advances in Remote Sensing of Crop Water Use Estimation. Journal Article: Remote Sensing*, (5), 3849-3871. Published: August 2013.  
<https://doi.org/10.3390/rs5083849>  
IP-045908, BAO Approval Date: 07/08/2013
- B104. **Nagler, Pamela L.**, & Edward P. Glenn. 2013. *Invited Book Chapter: Tamarisk: Ecohydrology of a Successful Plant*, pp: 63-84, In "Tamarix: A Case Study of Ecological Change in the American West" Anna Sher & Martin Quigley (eds), Oxford University Press.  
IP-026847, BAO Approval Date: 11/04/2011
- B105. **Nagler, Pamela L.**, Edward P. Glenn, Kiyomi Morino, & Kevin R. Hultine. 2013. Phreatophytes under stress: transpiration & stomatal conductance of *Tamarix* in a high-salinity environment, *ACTA Horticulturae*, 991, 61-66, *Proceedings: 9th International Mtg. on Sap Flow*, Sevilla, Spain.  
IP-045461, BAO Approval Date: 05/03/13
- B106. Glenn, Edward P., Lourdes Mexicano, Jacqueline Garcia-Hernandez, **Pamela L. Nagler**, Martha M. Gomez-Sapiens, Dawei Tang, Marcelo A. Lomeli, Jorge Ramirez-Hernandez, & Francisco Zamora-Arroyo. 2013. Evapotranspiration and water balance of an anthropogenic coastal desert wetland: Responses to fire, inflows and salinities. *Journal Article: Ecological Engineering*, 59, 176-184. Published October 2013. <http://dx.doi.org/10.1016/j.ecoleng.2012.06.043>  
IP-038206, BAO Approval Date: 08/28/12
- B107. Mexicano\*, Lourdes, **Pamela L. Nagler**, Francisco Zamora-Arroyo, & Edward P. Glenn. 2013. Vegetation Dynamics in Response to Water Inflow Rates and Fire in a Brackish *Typha domingensis* (Pers) Marsh in the Delta of the Colorado River, Mexico. *Journal Article: Ecological Engineering*, 59, 167-175. Published: October 2013. <https://doi.org/10.1016/j.ecoleng.2012.06.046> \*student  
IP-039027, BAO Approval Date: 08/07/12, \* student.

Last promotion: January 12, 2014

---

- B108. **Nagler, P.L.**, Pearlstein, S., Glenn, E.P., Brown, T.B., Bateman, H.L., Bean, D.W., & Hultine, K.R. 2014. Rapid dispersal of saltcedar (*Tamarix* spp.) biocontrol beetles (*Diorhabda carinulata*) on a desert river detected by phenocams, MODIS imagery and ground observations. *Journal Article: Remote Sensing of Environment*, 140, 206-219. <https://doi.org/10.1016/j.rse.2013.08.017>  
IP-044868, BAO Approval Date: 08/13/13
- B109. Nouri, Hamideh, Simon Beecham, Sharolyn Anderson, & **Pamela Nagler**. 2014. High spatial resolution WorldView-2 imagery for mapping NDVI and its relationship to temporal urban landscape

- evapotranspiration factors. *Journal Article: Remote Sensing*, 6(1), 580-602. Published January 2014.  
<https://doi.org/10.3390/rs6010580>  
IP-049133, BAO Approval Date: 01/09/14
- B110. Glenn, E. P., **Nagler, P. L.**, & Huete, A. R. 2014. *Invited Book Chapter*: Chapter 13: Multiscale analysis of ecosystems, Change Detection Using Vegetation Indices and Multiplatform Satellite Imagery at Multiple Temporal and Spatial Scales, Part III: Scale and Land Surface Patterns, In "Scale Issues in Remote Sensing," Weng, Q. (ed), Hoboken, New Jersey, John Wiley & Sons, Inc. Published: February 2014. doi: 10.1002/9781118801628.ch05 and  
<http://onlinelibrary.wiley.com/doi/10.1002/9781118801628.ch05/summary>  
IP-041959, BAO Approval Date: 07/07/14
- B111. Glenn, Edward P., Patrick B. Shafrroth, Martha Gomez-Sapiens, Karen Schlatter, Erick Lundgren, Chris Jarchow, & **Pamela L. Nagler**. 2014. *Cooperator Report*: International Boundary and Water Commission (IBWC) Minute 319 Vegetation Monitoring Technical Report, Minute 319 Colorado River Delta Environmental Flows Monitoring. Report Delivered: Dec. 4.  
IP-059206, BAO Approval Date: 08/14/14
- B112. Bunting\*, Daniel P., Shirley A. Kurc, Edward P. Glenn, **Pamela L. Nagler**, & Russell L. Scott. 2014. Insights for empirically modeling evapotranspiration influenced by riparian and upland vegetation in semiarid regions. *Journal Article: Journal of Arid Environments* 111:42-52.  
<http://dx.doi.org/10.1016/j.jaridenv.2014.06.007> \*student  
IP-036223, BAO Approval Date: 07/15/14
- B113. **Nagler, Pamela L.** 2014. *DOI Remote Sensing Report*: Decrease in Satellite Vegetation Indices in a Desert Riparian Ecosystem. U.S. DOI Remote Sensing Activities, 2014, USGS Submission under "Climate and Land Cover Change," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2014/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B114. **Nagler, Pamela L.** 2014. *DOI Remote Sensing Report*: Evapotranspiration Estimates for Riparian Sites in the Lower Murray-Darling Basin. U.S. DOI Remote Sensing Activities, 2014, USGS Submission under "Rivers," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2014/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B115. **Nagler, Pamela L.** 2014. *DOI Remote Sensing Report*: Estimating Evapotranspiration in Urban Landscapes using WorldView-2 Satellite Data. U.S. DOI Remote Sensing Activities, 2014, USGS Submission under "Water," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2014/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B116. **Nagler, Pamela L.** 2014. *DOI Remote Sensing Report*: Lower Colorado River Spring Pulse Flow. U.S. DOI Remote Sensing Activities, 2014, USGS Submission under "Rivers," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2014/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B117. **Nagler, Pamela L.** 2014. *DOI Remote Sensing Report*: Indirect Effects of Biocontrol of an Invasive Riparian Plant. U.S. DOI Remote Sensing Activities, 2014, USGS Submission under "Invasives," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2014/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B118. Glenn, Edward P., Chris J. Jarchow, & **Pamela L. Nagler**. 2015. *Cooperator Report*: International Boundary and Water Commission (IBWC) Minute 319 Vegetation Monitoring Technical Report on Evapotranspiration.  
[http://www.ibwc.state.gov/Files/Minutes%20319/2016\\_EFM\\_InterimReport\\_Min319.pdf](http://www.ibwc.state.gov/Files/Minutes%20319/2016_EFM_InterimReport_Min319.pdf)  
The report and the appendices: [http://www.ibwc.gov/EMD/reports\\_studies.html](http://www.ibwc.gov/EMD/reports_studies.html)

- IP-036223, BAO Approval Date: 07/15/14
- B119. Cordova, J.T., Dickinson, J.E., Beisner, K.R., Hopkins, C.B., Kennedy, J.R., Pool, D.R., Glenn, E.P., **Nagler, P.L.**, & Thomas, B.E. 2015. Hydrology of the middle San Pedro Watershed, southeastern Arizona: *USGS SIR*: 2013–5040, 77p. <http://dx.doi.org/10.3133/sir20135040>.
- IP-037275, BAO Approval Date: 05/04/15
- B120. Norman, Laura, Fletcher Brinkerhoff, Evan Gwilliam, D. Phillip Guertin, James Callegary, David C. Goodrich, **Pamela L. Nagler**, & Floyd Gray. 2016. Hydrologic Response of Streams Restored with Check Dams in the Chiricahua Mountains, Arizona. *Journal Article: River Research and Applications*, 32(4), 519-527. <https://doi.org/10.1002/rra.2895>
- IP-054961, BAO Approval Date: 04/02/15
- B121. Nguyen\*, U., Glenn, E.P., **Nagler, P.L.**, & Scott, R. L. 2015. Long-term decrease in satellite vegetation indices in response to environmental variables in an iconic desert riparian ecosystem: the Upper San Pedro, Arizona, United States: *Journal Article: Ecohydrology*, 8(4), 610-625. <http://dx.doi.org/10.1002/eco.1529> \*student
- IP-052717, BAO Approval Date: 06/25/14
- B122. Glenn, Edward, Russ Scott, Uyen Nguyen, & **Pamela Nagler**. 2015. Wide-area ratios of evaporation to precipitation in monsoon-dependent semiarid vegetation communities. *Journal Article: Journal of Arid Environments*, 117, 84-95. Published: March 2015. <http://dx.doi.org/10.1016/j.jaridenv.2015.02.010>
- IP-057910, BAO Approval Date: 02/27/15
- B123. Bateman, Heather L., David M. Merritt, Edward P. Glenn, & **Pamela L. Nagler**. 2015. Indirect effects of biocontrol of an invasive riparian plant (*Tamarix*) alters habitat and reduces herpetofauna abundance. *Journal Article: Biological Invasions*, 17(1), 87-97. Published: January. ISSN 1387-3547. <https://doi.org/10.1007/s10530-014-0707-0>.
- IP-044864, BAO Approval Date: 05/16/14
- B124. Doody, Tanya M., Matthew J. Colloff, Micah Davies, Vijay Koul, Richard G. Benyon, **Pamela L. Nagler**. 2015. Quantifying water requirements of riparian river red gum (*Eucalyptus camaldulensis*) in the Murray-Darling Basin, Australia - implications for the management of environmental flows. *Journal Article: Ecohydrology* 8(8), 1471-1487. January 2015. <https://doi.org/10.1002/eco.1598>
- IP-057831, BAO Approval Date: 012/16/14
- B125. Biggs, Trent W., George P. Petropoulos, Naga Manohar Velpuri, Michael Marshall, Edward P. Glenn, **Pamela Nagler**, & Alex Messina. 2015. *Invited Book Chapter*: 3: Remote Sensing of Actual Evapotranspiration from Croplands, pp. 59-91, In "Remote Sensing Handbook" Vol. III: Remote Sensing of Water Resources, Disasters, & Urban Studies, Thenkabail, P.S., (Ed), CRC Press- Taylor and Francis group, Boca Raton, London, New York. <https://pubs.er.usgs.gov/publication/70176490>
- IP-058217, BAO Approval Date: 09/29/14
- B126. **Nagler, Pamela L.** 2015. *DOI Remote Sensing Report*: Ratios of evapotranspiration to precipitation in monsoon-dependent semiarid vegetation communities. U.S. DOI Remote Sensing Activities, 2015, USGS Submission under "Water," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2015/usgs>
- IP-097590, BAO Approval Date: 06/28/18
- B127. **Nagler, Pamela L.** 2015. *DOI Remote Sensing Report*: Wide-area estimates of evapotranspiration by Red Gum in Australia. U.S. DOI Remote Sensing Activities, 2015, USGS Submission under "Water," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2015/usgs>
- IP-097590, BAO Approval Date: 06/28/18
- B128. **Nagler, Pamela L.** 2015. *DOI Remote Sensing Report*: NASA/USGS Satellite Sees Green-up along Colorado River's Delta after Experimental Flow. U.S. DOI Remote Sensing Activities, 2015, USGS

- Submission under "Rivers," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2015/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B129. Thenkabail, P.,...**P. Nagler**. 2016. *Journal Article*: NASA making earth system data records for use in research environments (MEaSUREs) global food security support analysis data (GFSAD) Crop dominance 2010 global 1 km V001, NASA EOSDIS Land Processes DAAC, South Dakota, USA.  
<http://oar.icrisat.org/id/eprint/10982>
- B130. Dennison, P.E., D.A. Roberts, J.Q. Chambers, C.S.T. Daughtry, J.P. Guerschman, R.F. Kokaly, G.S. Okin, P.F. Scarth, **P.L. Nagler**, & C.J. Jarchow. 2016. *White Paper*: Global Measurement of Non-Photosynthetic Vegetation. U.S. National Academies of Science, Engineering, and Medicine, RFI for the 2017-2027 decadal review of NASA Earth Science. <https://hypspiri.jpl.nasa.gov>  
[https://hypspiri.jpl.nasa.gov/downloads/RFI2\\_HypspRI\\_related\\_160517/RFI2\\_final\\_DennisonPhilipE.pdf](https://hypspiri.jpl.nasa.gov/downloads/RFI2_HypspRI_related_160517/RFI2_final_DennisonPhilipE.pdf)  
IP-075998, BAO Approval Date: 6/27/17
- B131. **Nagler, Pamela L.**, Tanya M. Doody, Edward P. Glenn, Christopher J. Jarchow, Armando Barreto-Muñoz, & Kamel Didan. 2016. Wide-Area Estimates of Evapotranspiration by Red Gum (*Eucalyptus camaldulensis*) and Associated Vegetation in the Murray-Darling River Basin, Australia. *Journal Article: Hydrological Processes*, 30, 1376-1387. Published January 2016.  
<https://doi.org/10.1002/hyp.10734>  
IP-064981, BAO Approval Date: 10/27/15
- B132. Nouri, Hamideh, Edward P. Glenn, Simon Beecham, Sattar Chavoshi Boroujeni, Paul Sutton, Sina Alaghmand, Behnaz Noori, & **Pamela Nagler**. 2016. Comparing Three Approaches of Evapotranspiration Estimation in the Mixed Vegetation of Urban Landscapes; Field-based, Remote Sensing-based and Observational-based methods. *Journal Article: Remote Sensing*, SI: Monitoring of Land Changes, 8(6), 492. Published: June 2016. <https://doi.org/10.3390/rs8060492> and <http://www.mdpi.com/2072-4292/8/6/492/pdf>.  
IP-072315, BAO Approval Date: 06/08/16
- B133. **Nagler, Pamela L.**, Joseph Waugh, & Edward P. Glenn. 2016. *Cooperator Report*: Unmanned Aircraft Systems Used to Improve Methods for Estimating Groundwater Discharge by Plants, for the July–September 2016 issue of the U.S. Department of Energy (DOE) Office of Legacy Management (LM), Applied Studies and Technology (AS&T) program and the DOE Office of Environmental Management (EM).  
IP-036223, BAO Approval Date: 07/15/14
- B134. **Nagler, Pamela L.** 2016. *DOI Remote Sensing Report*: Greenup and Evapotranspiration (ET) of the Colorado River Delta. U.S. DOI Remote Sensing Activities, 2016, USGS Submission under "Ecosystems - Restoration," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2016/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B135. Bush\*, R., E. Glenn, C. Jarchow, W. Waugh, A. Laase, T. Bartlett, & **P. Nagler**. 2017. Effects of Rangeland Evapotranspiration on Groundwater Recharge, Discharge, and Flow at the Tuba City, Arizona, Disposal Site, Paper #17159. In Session #132 ER Post Closure Challenges and Long-Term Stewardship/Legacy Management. *Proceedings*: WM2017 Conference <http://wmsym.org/>  
IP-083252, BAO Approval Date: 02/27/17, \* student, Superior Paper Award.
- B136. Nouri, Hamideh, C. Jarchow, **P. Nagler**, S. Anderson, P. Sutton, & S. Beecham. 2017. NDVI, Scale Invariance and the Modifiable Areal Unit Problem: An Assessment of Vegetation in Two Arid Land Regions. *Journal Article: Science of the Total Environment*, 584-585, 11-18. Published: April 2017.  
<https://doi.org/10.1016/j.scitotenv.2017.01.130>  
IP-070001, BAO Approval Date: 11/03/16

- B137. Shanafield, Margaret, Hugo Gutierrez Jurado, Jesús Eliana Rodríguez Burgueño, Jorge Ramírez Hernández, Christopher J. Jarchow, & **Pamela L. Nagler**. 2017. Short-term and long-term evapotranspiration rates at ecological restoration sites along a large river receiving rare flow events. *Journal Article: Hydrological Processes*, 31, 4328-4337.  
<https://doi.org/10.1002/hyp.11359>  
IP-068603, BAO Approval Date: 07/12/17
- B138. Flesch, Aaron, **Pamela Nagler**, Chris Jarchow, & Scott Richardson. 2017. *Cooperator Report: Population trends, extinction risk, and conservation guidelines for Ferruginous Pygmy-Owls in the Sonoran Desert*. Final Report for the Science Support Partnership FY15 Project. Cooperative Agreement No. G15AC00133.  
[https://www.researchgate.net/publication/321732297\\_Population\\_trends\\_extinction\\_risk\\_and\\_conservation\\_guidelines\\_for\\_Ferruginous\\_Pygmy-Owls\\_in\\_the\\_Sonoran\\_Desert](https://www.researchgate.net/publication/321732297_Population_trends_extinction_risk_and_conservation_guidelines_for_Ferruginous_Pygmy-Owls_in_the_Sonoran_Desert)  
IP-068603 or IP-088307, BAO Approval Date: 07/12/17
- B139. **Nagler, Pamela L.** 2017. *DOI Remote Sensing Report: Northern Tamarisk Beetle and Tamarisk Interactions in the Colorado River Basin*. U.S. DOI Remote Sensing Activities, 2017, USGS Submission under “Invasives,” last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2017/usgs>  
IP-097590, BAO Approval Date: 06/28/18
- B140. Glenn, Edward P., Karl Flessa, Eloise Kendy, Patrick B. Shafrroth, Jorge Ramírez-Hernández, Martha Gomez-Sapiens, & **Pamela L. Nagler**. 2017. *Journal Special Issue Editors of Ecological Engineering*, SI: Environmental Flows for the Colorado River Delta: Results of an Experimental Pulse Release from the US to Mexico. *Ecological Engineering*, 106, Part B, 629-808. <https://www.sciencedirect.com/journal/ecological-engineering/vol/106/part/PB>.  
No IP or BAO
- B141. Pitt, Jennifer, Eloise Kendy, Karen Schlatter Osvel Hinojosa-Huerta, Karl Flessa, Patrick B. Shafrroth, Jorge Ramirez-Hernandez, **Pamela Nagler**, & Edward P. Glenn. 2017. It takes more than water: Restoring the Colorado River Delta. Introduction to the Ecological Engineering SI on Environmental Flows for the Colorado River Delta. *Journal Article: Ecological Engineering*, 106, Part B, 629-632. <https://doi.org/10.1016/j.ecoleng.2017.05.028>  
IP-086432, BAO Approval Date: 05/02/17
- B142. Jarchow\*, Christopher J., **Pamela L. Nagler**, Edward P. Glenn, Jorge Ramírez-Hernandez, & Eliana Rodríguez Burgueño. 2017. Evapotranspiration by Remote Sensing: an Analysis of the Colorado River Delta before and after the Minute 319 Pulse Flows to Mexico. *Journal Article: Ecological Engineering*, SI: Environmental Flows for the Colorado River Delta, 106, Part B, 725-732. Published: 18 October 2016. <http://dx.doi.org/10.1016/j.ecoleng.2016.10.056> \*student.  
IP- 071895, BAO Approval Date: 08/19/16
- B143. Jarchow\*, Christopher J., **Pamela L. Nagler**, & Edward P. Glenn. 2017. Greenup and evapotranspiration following the Minute 319 Pulse Flows to Mexico: an analysis using Landsat 8 Normalized Difference Vegetation Index (NDVI) data. *Journal Article: Ecological Engineering*, SI: Environmental Flows for the Colorado River Delta, 106, Part B, 776-783. Published: 27 August 2016. <http://dx.doi.org/10.1016/j.ecoleng.2016.08.007> \*student.  
IP- 074636, BAO Approval Date: 07/27/16
- B144. Glenn, Edward P., **Pamela L. Nagler**, Patrick Shafrroth, & Christopher J. Jarchow. 2017. Effectiveness of environmental flows for riparian restoration in semi-arid regions: A tale of four rivers. *Journal Article: Ecological Engineering*, SI: Environmental Flows to the Colorado River Delta, 106, Part B, 695-703. Published: July 2017. <https://doi.org/10.1016/j.ecoleng.2017.01.009>  
IP-077206, BAO Approval Date: 05/11/17

- B145. **Nagler, Pamela L.**, Christopher J. Jarchow, Chris McCready, Edward P. Glenn, & Charles van Riper III. 2018. Avian response to fire in the lower Sonoran Desert at Kofa National Wildlife Refuge, Arizona, pp. 1-6, *Proceedings*: Madrean Conference: *Collaboration now for the future: biodiversity and management of the Madrean Archipelago*. Tucson, AZ. September 24, 2018.  
<https://www.skyislandalliance.org/madrean2018/>  
IP-095037, BAO Approval Date: April 12, 2018
- B146. **Nagler, Pamela L.**, Chris J. Jarchow, & Edward P. Glenn. 2018. *Cooperator Report*: International Boundary and Water Commission (IBWC) Minute 319 Vegetation Monitoring Technical Report for Years 2013-2018: Vegetation response measured by remote sensing vegetation indices and evapotranspiration dynamics in the riparian zone of the Colorado River delta, Mexico.  
IP-114755, BAO Approval Date: 01/22/20
- B147. **Nagler, Pamela L.**, B. B. Marithi Sridar, Aaryn D. Olsson, Willem JD van Leeuwen, & Edward P. Glenn. 2018. *Invited Book Chapter*: 30: Hyperspectral remote sensing tools for quantifying plant litter and invasive species in arid ecosystems; Section XI: Vegetation Processes and Function (ET, Water Use, GPP, LUE, Phenology), In "Hyperspectral Remote Sensing of Vegetation and Agricultural Crops" (Second Edition), Eds Prasad S. Thenkabail, John G. Lyons, & Alfredo Huete.  
<https://www.crcpress.com/Hyperspectral-Remote-Sensing-of-Vegetation/Thenkabail-Lyon-Huete/p/book/9781439845370>  
IP-025420, BAO Approval Date: 06/13/11; IP-098619: Summary for Book Vol. IV2E
- B148. **Nagler, Pamela L.**, Uyen Nguyen, Heather Bateman, Christopher J. Jarchow, Edward P. Glenn, W. Joseph Waugh, & Charles van Riper III. 2018. Northern tamarisk beetle (*Diorhabda carinulata*) and tamarisk (*Tamarix* spp.) interactions in the Colorado River Basin. *Journal Article*: *Restoration Ecology*, 26(2), 348-359. Published March 2018.  
<https://doi.org/10.1111/rec.12575>  
IP-079583, BAO Approval Date: 06/28/17, linked to 079584
- B149. Jarchow, Christopher J., K. Didan, A. Barreto-Muñoz, **P. L. Nagler**, & E. P. Glenn. 2018. Application and comparison of the MODIS-Derived Enhanced Vegetation Index to VIIRS, Landsat 5 TM and Landsat 8 OLI Platforms: A Case Study in the Arid Colorado River Delta, Mexico. *Journal Article*: *Sensors*, 18(5), 1546. Published May 2018.  
<https://doi.org/10.3390/s18051546>  
IP-086846, BAO Approval Date: 07/27/17
- B150. Jarchow, C.J., & **P.L. Nagler**. 2019. Enhanced Vegetation Index (EVI) parameter data products from Landsat 5, Landsat 8 MODIS and the Visible Infrared Imaging Radiometer Suite (VIIRS), Colorado River Delta, Mexico: *U.S. Geological Survey Data Release*.  
<https://doi.org/10.5066/P9UMMJ9S>.  
IP-086847, BAO Approval Date: 7/31/19
- B151. **Nagler, Pamela L.** 2018. *DOI Remote Sensing Report*: Ecosystem changes in response to the Minute 319 Pulse Flow to Mexico. U.S. DOI Remote Sensing Activities, 2018, USGS Submission under "Ecosystems," last accessed May 26, 2021, [\(https://eros.usgs.gov/doi-remote-sensing-activities/2018/usgs\)](https://eros.usgs.gov/doi-remote-sensing-activities/2018/usgs)  
(100% concept/design, 100% data production, 100% interpretation, 100% writing)  
IP-101468, BAO Approval Date: 09/09/18
- B152. **Nagler, P.**, C.J. Jarchow, & E.P. Glenn. 2018. Remote sensing vegetation index methods to evaluate changes in greenness and evapotranspiration in riparian vegetation in response to the Minute 319 environmental pulse flow to Mexico. *Proceedings*: International Association of Hydrological Sciences (IAHS), 380, 45–54. <https://doi.org/10.5194/piahs-380-45-2018>  
IP-097590, BAO Approval Date: 06/28/18

- B153. Nguyen, Uyen, E.P. Glenn, **P.L. Nagler**, T.D. Dang, L.T.H. Pham. 2018. Mapping vegetation types in semi-arid riparian regions using random forest and object-based image approach: A case study of the Colorado River Ecosystem, Grand Canyon, Arizona. *Journal Article: Ecological Informatics*, 50, 43-50. Published December 2018. <https://doi.org/10.1016/j.ecoinf.2018.12.006>.  
IP-066370, BAO Approval Date: 10/16/18, linked to 066255.
- B154. **Pamela L. Nagler**, Armando Barreto-Muñoz, Stefanie Herrmann, Christopher J. Jarchow, & Kamel Didan. 2019. *Cooperator Report*: The riparian corridor 2013-2018 vegetation response measured by remote sensing, International Boundary and Water Commission (IBWC) Vegetation Monitoring Technical Report for Minute 323.  
IP-114755, BAO Approval Date: 01/22/20
- B155. Smith, W.K., M.P. Dannenberg, D. Yan, S. Herrmann, M.L. Barnes, G.A. Barron-Gafford, J.A. Biederman, S. Ferrenberg, A.M. Fox, A. Hudson, J.F. Knowles, N. MacBean, D.J.P. Moore, **P.L. Nagler**, S.C. Reed, W.A. Rutherford, R.L. Scott, X. Wang, & J. Yang. 2019. *Review*: Remote sensing of dryland ecosystem structure and function: Progress, challenges and opportunities. *Journal Article: Remote Sensing of Environment*, 233, 111401 <https://doi.org/10.1016/j.rse.2019.111401>  
IP-103233, BAO Approval Date: 11/8/18
- B156. **Nagler, Pamela L.** 2019. *DOI Remote Sensing Report*: Colorado River Delta ecosystem changes in response to the Minute 319 Pulse Flow. U.S. DOI Remote Sensing Activities, 2019, USGS Submission under "Ecosystems - Restoration," last accessed May 26, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2019/usgs>  
IP-108956, BAO Approval Date: 06/14/19
- B157. **Nagler, Pamela L.** 2019. *Data Release*: Colorado River Delta Minute 319/323 Pulse Flow Experiment 2014. <https://www.sciencebase.gov/catalog/item/5d794e18e4b0c4f70d02541c>  
IP-xxxxxx, BAO Approval Date: 09/16/19
- B158. **Nagler, P.L.** 2020. Literature-Reviewed Estimates of Riparian Consumptive Water Use in the Drylands of Northeast Arizona, USA. *USGS Open-File Report*: 2020-1129, 9 p.  
<https://doi.org/10.3133/ofr20201129>  
IP-122975, BAO Approval Date: 11/03/20
- B159. Gomez-Sapiens, M.M., C.J. Jarchow, K.W. Flessa, P.B. Shafroth, E.P., Glenn, & **P.L. Nagler**. 2020. Effect of an environmental flow on vegetation growth and health using ground and remote sensing metrics. *Journal Article: Hydrological Processes*, 34(8), 1682-1696.  
<https://doi.org/10.1002/hyp.13689>  
IP-101535, BAO Approval Date: 11/13/18
- B160. Jarchow, C.J., W.J. Waugh, K. Didan, A., Barreto-Muñoz, S. Herrmann, & **P.L. Nagler**. 2020. Vegetation-groundwater dynamics at a former uranium mill site following invasion of a biocontrol agent: A time series analysis of Landsat normalized difference vegetation index data. *Journal Article: Hydrological Processes*, 34(12), 2739-2749. Published April 2020.  
<https://doi.org/10.1002/hyp.13772>  
IP-112673, BAO Approval Date: 03/03/20
- B161. **Nagler, P.L.**, A. Barreto-Muñoz, S. Chavoshi Borujeni, C.J. Jarchow, M.M. Gómez-Sapiens, H. Nouri, S.M. Herrmann, & K. Didan. 2020. Ecohydrological response to surface flow between borders: Two decades of changes in vegetation greenness and water use in the riparian corridor of the Colorado River delta. *Journal Article: Hydrological Processes*, 34(25), 4851-4883. Published September 2020. <https://doi.org/10.1002/hyp.13911>  
IP-117414, BAO Approval Date: 05/03/20
- B162. **Nagler, Pamela L.**, Armando Barreto-Muñoz, Christopher J. Jarchow, & Kamel Didan. 2020. Colorado River Delta project, a compilation of vegetation indices, phenology assessment metrics,

- estimates of evapotranspiration and change maps for seven reaches of the delta's 150 km region, for nearly the last two decades. [U.S. Geological Survey Data Release](#)  
<https://doi.org/10.5066/P98PGDJ1>
- IP-111511, BAO Approval Date: 08/05/20
- B163. **Nagler, Pamela L.**, Armando Barreto-Muñoz, Stefanie Herrmann, Christopher J. Jarchow, & Kamel Didan. 2020. [Cooperator Report](#): Remote sensing of vegetation in the riparian corridor 2013-2018, International Boundary and Water Commission (IBWC) Minute 323 Colorado River Limitrophe and Delta Environmental Flows Monitoring Interim Report for 2018.  
IP-114755, BAO Approval Date: 01/22/20
- B164. Mayes, M., K. Caylor, D. Roberts, J. Stella, M. Singer, & **P.L. Nagler**. 2020. Climate sensitivity of water use by riparian woodlands at landscape scales. [Journal Article: Hydrological Processes](#), 34(25), 4884–4903. Published October 2020. <https://doi.org/10.1002/hyp.13942>  
IP120214, BAO Approval Date: 10/05/20
- B165. Nouri, H., **P.L. Nagler**, S. Chavoshi Borujeni, A. Barreto-Muñoz, S. Alaghmand, B. Noori, A. Galindo, & K. Didan. 2020. Effect of Spatial Resolution of Satellite Images on Estimating the Greenness and Evapotranspiration of Urban Green Spaces. [Journal Article: Hydrological Processes](#), 34(25), 3183-3199. <https://doi.org/10.1002/hyp.13790>  
IP-110995, BAO Approval Date: 03/03/20
- B166. **Nagler, Pamela L.** 2020. [DOI Remote Sensing Report](#): Characterizing Evapotranspiration Dynamics in the Riparian Zone of the Colorado River Delta to evaluate ecosystem changes in response to the Minute 319 environmental pulse flow to Mexico. U.S. DOI Remote Sensing Activities, 2020, USGS Submission under "Ecosystems - Restoration," last accessed May 26, 2021,  
<https://eros.usgs.gov/doi-remote-sensing-activities/2020/usgs>  
IP-120213, BAO Approval Date: 06/30/20
- B167. **Nagler, P.L.**, J.B. Hull, C. van Riper III, P.B. Shafroth, & C.B. Yackulic. 2021. The Transformation of Dryland Rivers: The Future of Introduced Tamarisk in the U.S. Southwest. [USGS Fact Sheet](#): 2020–3061. <https://doi.org/10.3133/fs20203061>  
IP-122043, BAO Approval Date: 9/25/20
- B168. **Nagler, P.L.**, & K.R. Hultine. 2021. A Tribute to Edward P. Glenn (1947-2017): A legacy of Scientific Environmental Assessment and Applications in Hydrological Processes. April 30, 2021. [Hydrological Processes](#), 34(25), e14172. <https://doi.org/10.1002/hyp.14172>  
IP-128269, BAO Approval Date: 03/31/21
- B169. **Nagler, P.L.**, M.K. Chew, K. Fitzsimmons, & C. van Riper III. 2021. A biography Edward P. Glenn (1947-2017). [Journal Article: Hydrological Processes](#), 35(5), e14173.  
<https://doi.org/10.1002/hyp.14173>  
IP-109552, BAO Approval Date: 07/18/19
- B170. **Nagler, P.L.**, A. Barreto-Muñoz, S. Chavoshi Borujeni, H. Nouri, C.J. Jarchow, & K. Didan. 2021. Riparian area changes in greenness and water use on the lower Colorado River in the USA from 2000 to 2020. SI: Remote Sensing of Evapotranspiration (ET) II. [Journal Article & Feature Paper: Remote Sensing](#), 13(7), 1332. Published March 2021, <https://doi.org/10.3390/rs13071332>  
IP-125535, BAO Approval Date: 02/19/21
- B171. **Nagler, Pamela L.**, Armando Barreto-Muñoz, & Kamel Didan. 2021. Colorado River Project: A compilation of vegetation indices, phenology assessment metrics and estimates of evapotranspiration and change maps for five reaches between Hoover and Morelos Dams on the Lower Colorado River for nearly the last two decades: [U.S. Geological Survey Data Release](#),  
<https://doi.org/10.5066/P9MIPBRP>  
IP-126083, BAO Approval Date: 04/02/21

- B172. **Nagler, Pamela L.**, Armando Barreto-Muñoz, Kamel Didan. 2021. *Cooperator Report*: Part I: Remote sensing of riparian restoration sites within the reaches of the Colorado River Delta from 2000-2020 using Landsat. International Boundary and Water Commission United States and Mexico (IBWC): Minute 323 Colorado River Limitrophe and Delta Environmental Flows Monitoring Interim Report for 2021.  
IP-127539, BAO Approval Date: 03/24/21
- B173. **Nagler, P.L.**, A. Barreto-Muñoz, & K. Didan. 2021. *Cooperator Report*: Colorado River Project: Part I: Colorado River Project - Remote-sensing data for riparian restoration sites within Reach 2 and Reach 4 and seven unrestored reaches of the Colorado River Delta from 2000-2020.  
<https://doi.org/10.5066/P9EW2ETX>  
(details: IP-128125\_doi-10.5066\_P9EW2ETX - IP-127539 IBWC Report)  
IP-128125, BAO Approval Date: 03/25/21
- B174. **Nagler, Pamela L.**, Armando Barreto-Muñoz, Kamel Didan, Martha M. Gómez Sapiens, & Karl W. Flessa. 2021. *Cooperator Report*: Colorado River Project: Part II: Remote sensing of riparian zone and restoration sites of the Colorado River Delta from 2000-2020 using Landsat. International Boundary and Water Commission United States and Mexico (IBWC): Minute 323 Colorado River Limitrophe and Delta Environmental Flows Monitoring Interim Report for 2021.  
IP-129487, BAO Approval Date: 05/17/21; Submitted IPDS: April 23, 2021.
- B175. **Nagler, P.L.**, A. Barreto-Muñoz, & K. Didan. 2021. Part II: Colorado River Project - Remote-sensing data for riparian restoration sites within Reach 2 and Reach 4 and seven unrestored reaches of the Colorado River Delta from 2000-2020. Colorado River Project: Average growing season evapotranspiration and vegetation index remote-sensing data for the riparian corridor of the Colorado River Delta in Mexico from 2000-2020. *U.S. Geological Survey Data Release*,  
<https://doi.org/10.5066/P9EW2ETX>  
(details: IP-128125\_doi-10.5066\_P9EW2ETX - IP-127539 IBWC Report)  
IP-128126, BAO Approval Date: 07/28/21
- B176. **Nagler, P.**, Barreto-Muñoz, A., Didan, Kamel., Gonzales, E., and Shafrroth, P.B., 2021, Colorado River Delta Project: A compilation of vegetation indices, phenology assessment metrics, and estimates of evapotranspiration for circular bird plots in the Colorado River delta between 2000-2020, *U.S. Geological Survey Data Release*: <https://doi.org/10.5066/P9B8I8JK>  
(details: IP-126478\_doi-10.5066\_P9B8I8JK - CRDP Bird-Veg).  
IP-126478, BAO Approval Date: April 28, 2021.
- B177. Jarchow, C.J., W.J. Waugh, & **P.L. Nagler**. 2021. Remote Sensing Estimates of Evapotranspiration at the Monticello Uranium Mill Tailings Site: Effects of Changes in Groundwater Flow and Contaminant Transport. *Journal Article: Ecohydrology*, x(x), xx-xx.  
(100% concept/design, 100% data production, 90% interpretation, 75% writing)  
IP-125318, BAO Approval Date: 07/27/21  
IP-xxxxxx (FORT lead author), BAO Approval Date: Submitted IPDS: April 30, 2021.
- B178. **Nagler, Pamela L.**, Armando Barreto-Muñoz, Shafrroth, P.B., J.M. Friedman, E. Gonzalez, A. Johnson, S. Sesnie, & R. Thaxton. 2020. Landsat Timeseries Data, Bill Williams River, Arizona, 1990-2020. *U.S. Geological Survey Data Release*:  
(details: IP-126476\_doi-10.5066\_P944FOEX - Bill Williams Landsat, 28 January 2021, BillWilliams\_LANDSAT\_Timeseries\_1990\_2020\_Metadata.xlsx)  
IP-126476, BAO Approval Date: 01/28/21
- B179. **Nagler, Pamela**, Ibrahima Sall, Armando Barreto-Muñoz, Hamideh Nouri, Sattar Chavoshi Borjeni, Martha M. Gómez Sapiens, & Kamel Didan. 2021. Effect of restoration on vegetation greenness and ET in relation to drought in the riparian woodlands of the Colorado River delta. SI:

- Severe Sustained Drought Revisited: Managing the Colorado River System in Times of Water Shortage 25 Years Later. *Journal Article: Journal of the American Water Resource Association (JAWRA)*,  
IP-xxxxxx, BAO Approval Date: xx, xx; Submitted IPDS: Aim of July 7, 2021.
- B180. **Nagler, Pamela L.**, Armando Barreto-Muñoz, & Kamel Didan. 2021. Landsat time-series for use in quantifying semi-arid riparian woodland health and annual water use in natural and restored areas within the Colorado River delta from 2000-2020. *U.S. Geological Survey Data Release*, (details: IP- ).  
IP-xxxxxx, BAO Approval Date: xx, xx; Submitted IPDS: Aim of June 30, 2021.
- B181. **Nagler, Pamela L.** 2021. *DOI Remote Sensing Report, Extended Abstract*: Lower Colorado River Riparian Water Use Changes. DOI Remote Sensing Report 2021. U.S. DOI Remote Sensing Activities, 2021, USGS Submission under "Ecosystems - Water Availability and Use Science Program," last accessed July 6, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2020/usgs>  
IP-xxxxxx, BAO Approval Date: 07/28/21 Submitted IPDS: July 6, 2021.
- B182. **Nagler, Pamela L.** 2021. *DOI Remote Sensing Report, Extended Abstract*: Riparian restoration evapotranspiration & drought. DOI Remote Sensing Report 2021. U.S. DOI Remote Sensing Activities, 2021, USGS Submission under "Ecosystems - Water Availability and Use Science Program," last accessed July 6, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2020/usgs>  
IP-131809, BAO Approval Date: 07/28/21 Submitted IPDS: July 6, 2021.
- B183. **Nagler, Pamela L.** 2021. *DOI Remote Sensing Report, Extended Abstract*: A Data Explorer for Tamarisk and Riparian Systems. DOI Remote Sensing Report 2021. U.S. DOI Remote Sensing Activities, 2021, USGS Submission under "Ecosystems - Biological Threats and Invasive Species Research Program," last accessed July 6, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2020/usgs>  
IP-xxxxxx, BAO Approval Date: 07/28/21 Submitted IPDS: July 6, 2021.
- B184. **Nagler, Pamela L.** 2021. *DOI Remote Sensing Report, Extended Abstract*: US–Mexico Desert Ecoregions Vegetation Communities. DOI Remote Sensing Report 2021. U.S. DOI Remote Sensing Activities, 2021, USGS Submission under "Ecosystems - Land Change Science," last accessed July 6, 2021, <https://eros.usgs.gov/doi-remote-sensing-activities/2020/usgs>  
IP-xxxxxx, BAO Approval Date: 07/28/21 Submitted IPDS: July 6, 2021.