

## APPENDIX H: Works Cited

## Works Cited

- Adams, D. K., and A. C. Comrie. 1997. The North American Monsoon. *Bulletin of the American Meteorological Society* 78(10): 2197-2213.
- Allen, C. D. and D. D. Breshears. 1998. Drought-induced shift of a forest-woodland ecotone: Rapid landscape response to climate variation. *Proceedings of the National Academy of Sciences* 95: 14839-14842.
- Anderson, T., and N. D. White. 1986. Arizona Surface-Water Resources. (National Water Summary 1985 -- Hydrologic events and surface-water resources, United States Geological Survey Water-Supply Paper 2300, 145-150).
- Barsugli, J.J., K. Nowak, B. Rajagopalan, J.R. Prairie, and B. Harding. 2009. Comment on "When will Lake Mead go dry?" by T.P. Barnett and D.W. Pierce. *Water Resources Research* 45 W09601, doi: 10.1029/2008WR007627.
- Bloomfield, P. 2000. *Fourier analysis of time series: an introduction*, second edition. John Wiley & Sons, Inc., New York. 261 p.
- Bradley, R. S., R. G. Barry, and G. Kiladis. 1982. Climatic fluctuations of the western United States during the period of instrumental records. (Contribution No. 42, Department of Geology and Geography, University of Massachusetts, Amherst, Mass. 01003-0026, 169 pp).
- Cayan, D. R., K. T. Redmond, and L. G. Riddle. 1999. ENSO and hydrologic extremes in the western United States. *Journal of Climate* 12: 2881-2893.
- Cayan, D. R., and R. H. Webb. 1992. Coupled climate model simulation of El Nio/Southern Oscillation: Implications for paleoclimate. p. 29-68. *In* H. F. Diaz, and V. Markgraf (eds.) *El Nino: Historical and Paleoclimatic Aspects of the Southern Oscillation*. Cambridge University Press.
- Cleveland, W. S. 1979. Robust locally weighted regression and smoothing scatterplots. *Journal of the American Statistical Association* 74(368): 829-836.
- Cleveland, W. S., and R. McGill. 1984. The many faces of a scatterplot. *Journal of the American Statistical Association* 79(388): 807-822.
- Cook, E. R., K. Briffa, S. Shiyatov, and V. Mazepa. 1990b. Tree-ring standardization and growth-trend estimation. p. 104-123. *In* E. R. Cook, and L. A. Kairiukstis (eds.) *Methods of Dendrochronology, Applications in the Environmental Sciences*. Kluwer Academic Publishers.
- Cook, E. R., and K. Peters. 1981. The smoothing spline: a new approach to standardizing forest interior tree-ring width series for dendroclimatic studies. (*Tree-Ring Bulletin* 41, 45-53).
- Cook, E. R., S. Shiyatov, and V. Mazepa. 1990a. Estimation of the mean chronology. p. 123-132. *In* E. R. Cook, and L. A. Kairiukstis (eds.) *Methods of dendrochronology, applications in the environmental sciences*. In:., Kluwer Academic Publishers.
- Cook, E. R., K. R. Briffa, D. M. Meko, D. A. Graybill, and G. Funkhouser. 1995. The "segment length curse" in long tree-ring chronology development for paleoclimatic studies. *The Holocene* 5(2): 229-237.
- Cook, E. R., R. Seager, M. A. Cane, and D. W. Stahle. 2007. North American drought: Reconstructions, causes, and consequences. *Earth-Science Reviews* 81: 93-134.

- Dawdy, D. R., and N. C. Matalas. 1964. Statistical and probability analysis of hydrologic data, part III: analysis of variance, covariance and time series. p. 8.68-8.90. *In* Ven Te Chow (ed.) Handbook of applied hydrology, a compendium of water-resources technology. McGraw-Hill Book Company, New York.
- Dean, J. S. 1994. The Medieval Warm Period on the southern Colorado Plateau. *Climatic Change* 26: 225-241.
- Dracup, J. A., and E. Kahya. 1994. The relationships between U.S. streamflow and La Nina events. *Water Resources Research* 30(7): 2133-2141.
- Fritts, H. C., J. Guiot, and G. A. Gordon. 1990. Verification. p. 178-185. *In* E. R. Cook, and L. A. Kairiukstis (eds.) *Methods of Dendrochronology, Applications in the Environmental Sciences*. Kluwer Academic Publishers.
- Gangopadhyah, S., B. L. Harding, B. Rajagopalan, J.J Lukas and T. J. Fulp. 2009. A non-parametric approach for paleo reconstruction of annual streamflow ensembles. *Water Resources Research* submitted.
- Gibson, W., C. Daly, T. Kittel, D. Nychka, C. Johns, N. Rosenbloom, A. McNab, and G. Taylor. 2002. Development of a 103-year high-resolution climate data set for the conterminous United States. p. 181-183. *Proc., 13th AMS Conf. on Applied Climatology*, Amer. Meteorological Soc., Portland, OR, May 13-16.
- Hurvich, C. M., and C. Tsai. 1989. Regression and time series model selection in small samples. *Biometrika* 76: 297-307.
- Loaiciga, H. A., L. Haston, and J. Michaelsen. 1993. Dendrohydrology and long-term hydrologic phenomena. (*Reviews of Geophysics* 31, 151-171).
- Mantua, N. J., S. R. Hare, Y. Zhang, J. M. Wallace, and R. C. Francis. 1997. A Pacific interdecadal climate oscillation with impacts on salmon production by, *Bulletin of the American Meteorological Society* 78: 1069-1079.
- Martinez, W. L., and A. R. Martinez. 2002. *Computational statistics handbook with MATLAB*. Chapman & Hall/CRC, Boca Raton.
- Meko, D. M. 1997. Dendroclimatic reconstruction with time varying subsets of tree indices. *Journal of Climate* 10: 687-696.
- Meko, D. M., E. R. Cook, D. W. Stahle, C. W. Stockton, and M. K. Hughes. 1993. Spatial patterns of tree-growth anomalies in the United States and southeastern Canada. *J. of Climate* 6: 1773-1786.
- Meko, D. M., and D. A. Graybill. 1995. Tree-ring reconstruction of Upper Gila River discharge. *Water Resources Bulletin* 31(4): 605-616.
- Meko, D. M., C. W. Stockton, and W. R. Boggess. 1995. The tree-ring record of severe sustained drought. *Water Resources Bulletin* 31(5): 789-801.
- Meko, D. M., M. D. Therrell, C. H. Baisan, and M. K. Hughes. 2001. Sacramento River flow reconstructed to A.D. 869 from tree rings. *J. of the American Water Resources Association* 37(4): 1029-1040.
- Meko, D. M., and C. A. Woodhouse. 2005. Tree-ring footprint of joint hydrologic drought in Sacramento and Upper Colorado River Basins, western USA. *Journal of Hydrology* 308: 196-213.
- Meko, D. M., C. A. Woodhouse, C. H. Baisan, T. Knight, J. J. Lukas, M. K. Hughes, and M. W. Salzer. 2007. Medieval drought in the Upper Colorado River Basin. *Geophys. Res. Lett.* 34(10, L10705): 10.1029/2007GL029988.

- Michaelsen, J. 1987. Cross-validation in statistical climate forecast models. (*J. of Climate and Applied Meteorology* 26, 1589-1600).
- Mitchell, J. M., Jr., B. Dzerdzevskii, H. Flohn, W. L. Hofmeyr, H. H. Lamb, K. N. Rao, and C. C. Wallén. 1966. Climatic change. Technical Note No. 79, report of a working group of the Commission for Climatology; WMO No. 195 TP 100. World Meteorological Organization, Geneva, Switzerland. 81 pp.
- Ni, F., T. Cavazos, M. K. Hughes, A. C. Comrie, and G. Funkhouser. 2002. Cool-season precipitation in the southwestern USA since A.D. 1000: comparison of linear and nonlinear techniques for reconstruction. *International Journal of Climatology* 22: 1645-1662.
- Osborn, T. J., K. R. Briffa, and P. D. Jones. 1997. Adjusting variance for sample-size in tree-ring chronologies and other regional mean timeseries. *Dendrochronologia* 15: 89-99.
- Panofsky, H. A., and G. W. Brier. 1958. Some applications of statistics to meteorology. The Pennsylvania State University Press. 224 p.
- Prairie, J., B. Rajagopalan, and T. Fulp. 2007. Stochastic streamflow generation incorporating paleo-reconstruction. Proceedings of the World Environmental & Water Resources Congress, (Ed. Karen C. Kabbes). American Soc. of Civil Engineers, Tampa, Florida. 15-19 May.
- Rayner N. A., D. E. Parker, E. B. Horton, C. K. Folland, L. V. Alexander, D. P. Rowell, E. C. Kent, and A. Kaplan. 2003. Global analyses of sea surface temperature, sea ice, and night marine air temperature since the late nineteenth century, *J. Geophys. Res.*, 108 (D14), 4407, doi:10.1029/2002JD002670.
- Salzer, M. W., and K. F. Kipfmüller. 2005. Reconstructed temperature and precipitation on a millennial timescale from tree-rings in the southern Colorado Plateau. *Climatic Change* 70: 465-487.
- Schulman, E. 1956. Dendroclimatic changes in semi-arid America. University of Arizona Press, Tucson. 142 p.
- Sellers, W. D. 1965. Physical climatology. (McGraw-Hill).
- Sellers, W. D., and R. H. Hill. 1974. Arizona Climate 1931-1972. (The University of Arizona Press, Tucson, Arizona, 616 pp.).
- Shafroth, P.B. and V.B. Beauchamps. 2006. Defining ecosystem flow requirements for the Bill Williams River, Arizona. U.S. Geological Survey Open File Report 2006-1314, 135 p.
- Sheppard, P. J., A. C. Comrie, G. D. Packin, K. Angersbach, and M. K. Hughes. 2002. The climate of the US Southwest. *Climate Research* 21(3): 219-238.
- Shiyatov, S., V. Mazepa, and E. Cook. 1990. Correcting for trend in variance due to changing sample size. (In: *Methods of dendrochronology, applications in the environmental sciences*, edited by E.R. Cook and L. A. Kairiukstis, Kluwer Academic Publishers). p. 133-137.
- Smith, L. P., and C. W. Stockton. 1981. Reconstructed streamflow for the Salt and Verde Rivers from tree-ring data. *Water Resources Bulletin* 17(6): 939-947.
- Smith, W. 1986. The effects of eastern north Pacific tropical cyclones on the southwestern United States. (NOAA Technical Memorandum NWS WR-197, 229 pp.).

- Snedecor, G. W., and W. G. Cochran. 1989. *Statistical Methods*, 8th rev. ed. (Revised by Iowa State University Statistics Department Staff, Iowa State University Press).
- Snee, R. D. 1977. Validation of regression models: methods and examples. (*Technometrics* 19, 415-428).
- Stahle, D. W., E. R. Cook, M. K. Cleaveland, M. D. Therrell, D. M. Meko, H. D. Grissino-Mayer, E. Watson, and B. H. Luckman. 2000. Tree-ring data document 16th century megadrought over North America. *EOS Transactions* 81(12): 121-125.
- Stockton, C. W., and G. C. Jacoby. 1976. Long-term surface-water supply and streamflow trends in the Upper Colorado River Basin. (Lake Powell Research Project Bulletin No. 18, Institute of Geophysics and Planetary Physics, University of California at Los Angeles). National Science Foundation. 70 pp.
- Swetnam, T. W. and J. L. Betancourt. 1998. Mesoscale disturbance and ecological response to decadal climate variability in the American Southwest. *Journal of Climate* 11(12): 3128-3147.
- Thomas, H. 1962. The meteorologic phenomenon of drought in the Southwest. (U.S. Geological Survey Professional Paper 37A). United States Government Printing Office, Washington. 43 p.
- U. S. Bureau of Reclamation. 2007. Reclamation: Managing Water in the West, Final Environmental Impact Statement, Colorado River Interim Guidelines for Lower Basin Shortages and Coordinated Operations for Lake Powell and Lake Mead. Vol. Volume III, Appendix N, Analysis of Hydrologic Variability Sensitivity; available from: Denver Office Library, Denver Federal Center, PO Box 25007, Mail Code: 84-27960, Denver, Colorado 80225-0007, 303.445.2072 (Phone) 303.445.6303 (Fax).
- U.S. Geological Survey, 2012a, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 09402000, accessed at <http://wdr.water.usgs.gov/wy2011/pdfs/09402000.2011.pdf>
- U.S. Geological Survey, 2012b, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 09415000, accessed at <http://wdr.water.usgs.gov/wy2011/pdfs/09415000.2011.pdf>
- U.S. Geological Survey, 2012c, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 09382000, accessed at <http://wdr.water.usgs.gov/wy2011/pdfs/09382000.2011.pdf>
- U.S. Geological Survey, 2012d, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 09419000, accessed at <http://wdr.water.usgs.gov/wy2011/pdfs/09419000.2011.pdf>
- U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 09403600, accessed at <http://wdr.water.usgs.gov/wy2012/pdfs/09403600.2012.pdf>
- Wigley, T. M. L., K. R. Briffa, and P. D. Jones. 1984. On the average value of correlated time series, with applications in dendroclimatology and hydrometeorology. *Journal of Climate and Applied Meteorology* 23: 201-213.
- Woodhouse, C. A., S. T. Gray, and D. M. Meko. 2006. Updated streamflow reconstructions for the Upper Colorado River Basin. *Water Resources Research* 42, W05415, doi:10.1029/2005WR004455.