

Extreme Precipitation Group Publications and Conferences *(incomplete listing)*

Barker, B., and D. Johnson, 1995: Implications of Interflow Modeling on Spillway Design Computations, Dam Safety '95, 1995 ASDSO Annual Conference Proceedings, Lexington Kentucky.

Barker, B., M. Schaefer, J. Mumford, and R. Swain, 1996: A Monte Carlo Approach to Determine the Variability of PMF Estimates, 1996 ASDSO Annual Conference proceedings, pp107, Lexington Kentucky.

Barker, B., M. Schaefer, J. Mumford, and R. Swain, 1997: A Monte Carlo Approach to Determine the Variability of PMF Estimates (Bumping Lake Dam), prepared for USBR Flood Hydrology Group, MGS Engineering Consultants.

Bonnin, G., B. Lin, and **T. Parzybok**, 2002: Updated NOAA/NWS Rainfall Frequency Atlases, Symposium on Observing and Understanding the Variability of Water in Weather and Climate, 83rd AMS Annual Meeting, Long Beach, California.

Bonnin, G., D. Martin, B. Lin, **T. Parzybok**, M. Yekta, and D. Riley, 2006: NOAA Atlas 14 Volume 2, Precipitation-Frequency Atlas of the United States, Delaware, District of Columbia, Illinois, Indiana, Kentucky, Maryland, New Jersey, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, West Virginia. NOAA, National Weather Service, Silver Spring, MD.

Bonnin, G., D. Martin, B. Lin, **T. Parzybok**, M. Yekta, and D. Riley, 2006b: NOAA Atlas 14 Volume 3, Precipitation-Frequency Atlas of the United States, Puerto Rico and the U.S. Virgin Islands. NOAA, National Weather Service, Silver Spring, MD.

Bonnin, G., D. Martin, B. Lin, **T. Parzybok**, M. Yekta, and D. Riley, 2004: NOAA Atlas 14 Volume 1, Precipitation-Frequency Atlas of the United States, Semiarid Southwest. NOAA, National Weather Service, Silver Spring, MD.

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Bonnin G., D. Martin, B. Lin, **T. Parzybok**, M. Yekta, David Riley, Daniel Brewer, Lillian Hiner, 2007: Updates to NOAA Precipitation Frequency Atlases. World Environmental and Water Resources Congress, Tampa, Florida, May 15-19, 2007 hosted by the American Society of Civil Engineers.

Boyal, J., J. Warila, R. Beschta and **T. Parzybok**, 1997: Cumulative Effects of Forestry Practices: An Example Framework for Evaluation from Oregon, U.S.A.. Biomass and Bioenergy , 13, 223-245.

Caldwell, R.J., and others, 2014: Statistical Extension of NOAA Atlas 14 for the Waterford Facility, Leonard Rice Engineers, Denver, CO.

Caldwell, R.J., and others, 2014: Probabilistic Estimates of Probable Maximum Precipitation for the Arkansas Nuclear One Facility, Leonard Rice Engineers, Denver, CO.

Caldwell, R.J., V. Sankovich, R. Swain, and J. England, Jr., 2014: El Vado Dam Meteorology for Application in Hydrologic Hazard for Corrective Action Study, Bureau of Reclamation, Technical Services Center, Denver, CO.

Caldwell, R.J., J. England, and V. Sankovich, 2011a: Application of Radar-Rainfall Estimates to Probable Maximum Precipitation in the Carolinas. Technical Service Center, Denver, CO: USBR.

Caldwell, R.J., V. Sankovich and J. England, 2011b: Synthesis of Extreme Storm Rainfall and Probable Maximum Precipitation in Southeastern U.S. Pilot Region. Technical Service Center, Denver, CO: USBR.

Caldwell, R.J., V. Sankovich, R. Swain, and J. England, 2014: El Vado Dam Meteorology for Application in Hydrologic Hazard for Corrective Action Study. Technical Service Center, Denver, CO: USBR.

Caldwell, R.J., 2010: Large Scale Atmospheric Control on Maximum Precipitation Events in the Carolinas, University of Colorado at Boulder.

Caldwell, R.J., and J. Palmer, 2009: LOUZIE: An Operational Quality Control Procedure at the Lower Mississippi River Forecast Center, Slidell, LA.

Clarke, B., **T. Parzybok**, D. Hultstrand, W. Kappel, and E. Tomlinson, 2010: Improving Hydrologic Analysis and Applications in the U.S. and Canada Using Quality Controlled Radar Data and the Storm Precipitation Analysis System, Poster at 91st American Meteorological Society Annual Meeting, Paper183501, Seattle, WA, January 2010.

<http://ams.confex.com/ams/91Annual/webprogram/Paper183501.html>

Daly, C., **G. Taylor**, W. Gibson, and **T. Parzybok**, 1998: Development of High-Quality Spatial Climate Datasets for the United States. In Proc., First International Conference on Geospatial Information in Agriculture and Forestry, Lake Buena Vista, FL, June 1-3, 1998.

Daly, C., W. Gibson, M. Doggett, J. Smith, and **G. Taylor**, 2004: Up-To-Date Monthly Climate Maps for the Conterminous United States. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

Daly, C., W. Gibson, **G. Taylor**, M. Doggett, and J. Smith, 2007: Observer bias in daily precipitation measurements at United States Cooperative network stations. Bulletin of the American Meteorological Society, 88:899-912.

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Daly, C., K. Redmond, W. Gibson, M. Doggett, J. Smith, **G. Taylor**, P. Pasteris, G. Johnson, 2005: Opportunities for improvements in the quality control of climate observations. 15th AMS Conference on Applied Climatology, American Meteorological Society: Savannah, GA, June 20–23, 2005. Paper J3.9.

Daly, C., T. Kittel , A. McNab, A. Royle , W. Gibson, **T. Parzybok**, N. Rosenbloom, **G. Taylor** and H. Fisher, 1999: Development of a 102-year High-Resolution Climate Data Set for the Conterminous United States. In print: Proc., 11th AMS Conference on Applied Climatology , Amer. Meteorological Soc., Dallas, TX, Jan 10-15, 1999.

England, J., V. Sankovich, and **R.J. Caldwell**, 2011: Review of Probable Maximum Precipitation Procedures and Databases Used to Develop Hydrometeorological Reports. Technical Service Center, Denver, CO: USBR.

Gibson, W., C. Daly, M. Doggett, J. Smith, and **G. Taylor**, 2004: Application of a Probabilistic Spatial Quality Control System to Daily Temperature Observations in Oregon. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

Godaire, J., **R.J. Caldwell**, N. Novembre, T. Harden, and V. Sankovich, 2013: Extreme Floods in a Changing Climate, Dam Safety Technology Development Program, Bureau of Reclamation, Technical Services Center, Denver, CO.

Hultstrand, D., **T. Parzybok**, **E. Tomlinson** and W. Kappel: 2008. Advanced Spatial and Temporal Rainfall Analyses for Use in Watershed Models. In U.S. Geological Survey Scientific Investigations Report: Proc. of the 3rd Interagency Conference on Research in the Watersheds, Estes Park, CO, Sep 8-11 2008.

Lin, B., G. Bonnin, D. Martin, **T. Parzybok**, M. Yekta, and D. Riley, 2006: Regional Frequency Studies of Annual Extreme Precipitation in the United States Based on Regional L-Moments Analysis, 2006, World Environmental and Water Resources Congress, Omaha, Nebraska, May 21-26, 2006 hosted by the American Society of Civil Engineers.

Lin, B., G. Bonnin, D. Todd (Martin), **T. Parzybok**, M. Yekta, and D. Riley, 2004: Regional frequency studies of annual extreme precipitation in the United States using regional L-moments analysis. International Ocean-Atmosphere Conference, Chinese-American Oceanic and Atmospheric Association (COAA), Beijing, China, June 27-30, 2004.

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MGS Engineering Consultants, MetStat, Applied Climate Services and Riverside Technology, 2015: Regional Precipitation-Frequency Analyses for Mid-Latitude Cyclones, Mesoscale Storms with Embedded Convection, Local Storms and Tropical Storm Remnant Storm Types in the Tennessee Valley Watershed, prepared for Tennessee Valley Authority.

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Micovic Z., D. Hartford, **M. Schaefer**, and **B. Barker**, 2014: A Non-Traditional Approach to Floods, ICOLD Conference.

Neiman, P., F. Ralph, G. Wick, **G. Taylor** and M. Dettinger, 2008: Diagnosis of an Intense Atmospheric River Impacting the Pacific Northwest. *Monthly Weather Review*, 136, 4398-4420.

Novembre, N., V. Sankovich, **R.J. Caldwell**, and J. Niehaus, 2012: Altus Dam Hydrologic Hazard and Reservoir Routing for Corrective Action Study. Technical Service Center, Denver, CO: USBR.

Parzybok, T., 2004: Weather Extremes of the West, Mountain Press, ISBN: 0-87842-473-3, 288 pages.

Parzybok, T. and G. Bonnin, 2004: Recent Updates To NOAA/NWS Precipitation Frequency Estimates. Annual Colorado Association of Stormwater and Floodplain Managers (CASFM) Conference, Glenwood Springs, CO, September 21-23, 2004.

Parzybok, T. and J. Franz, 2014: [The Colorado September 8-17, 2013 Extreme Rainfall Event: Real-time Rainfall Analysis, Quantification and Dam Safety Response](#). In Proc. of ALERT Users Group. 25th Flood Warning Systems Training Symposium & Preparedness Workshops, Reno, NV, May 5-9, 2014.

Parzybok, T. and B. Shaw, 2012: [Forecast Average Recurrence Interval Precipitation Maps for the United States: A New Way of Communicating the Location and Magnitude of High Impact Precipitation Events](#), In Proc. of 92nd American Meteorological Society Annual Meeting, New Orleans, LA, January 22-26, 2012.

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Parzybok, T., B. Clarke and B. Baranowski. 2013: [Real-time Quality Control of 1-hour Rain Gauge Data Using a Multi-Senor Approach](#). Poster at Annual American Meteorological Society (AMS) Conference, Austin, TX, January 7, 2013.

Parzybok, T., B. Clarke, and D. Hultstrand, 2010: Real-Time Average Recurrence Interval Rainfall Maps for the U.S.. In Proc. Of the 39th Conference on Broadcast Meteorology/The Conference on Weather Warnings and Communication, Oklahoma City, OK, June 23, 2010.

Parzybok, T., B. Clarke, and D. Hultstrand, 2010: Average Recurrence Interval of Rainfall in Real-Time, In Proc. Of the ASCE World Environmental and Water Resources Congress 2011, Palm Springs, CA, May 2011.

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Parzybok, T., D. Hultstrand, E. Tomlinson and W. Kappel, 2009: How Six Recent Extreme Pacific Northwest Storms Compare to Historical Storms in HMR57, In Proc., 2009 ADSO West Region Conference, Coeur d'Alane, Idaho, May 4-7, 2009.

Parzybok, T., D. Hultstrand, B. Clarke, W. Kappel and E. Tomlinson: 2010. The Use of Gauge Data, Radar Reflectivity and the Storm Precipitation Analysis System for Deriving Accurate Precipitation in Complex Terrain. In Proc. of the ALERT Users Group 23rd Flood Warning Systems Training Conference and Exposition, Palm Springs, CA, May 4-7, 2010.

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Perica, S. Dietz, S. Heim, L. Hiner, K., Maitaria, D. Martin, S. Pavlovic, I. Roy, C., Trypaluk, D. Unruh, F. Yan, M. Yekta, T. Zhao, G. Bonnin, D. Brewer, L. Chen, **T. Parzybok,** J. Yarchoan, 2010: NOAA Atlas 14 Volume 6, Precipitation-Frequency Atlas of the United States, California. NOAA, National Weather Service, Silver Spring, MD.

Perica, S., B. Lin, D. Martin, F. Yan, D. Brewer, C. Trypaluk, M. Yekta, L. Hiner, S. Heim, S. Dietz, **T. Parzybok,** L.-C. Chen, K. Maitaria, R. Chen, I. Roy, D. Unruh, T. Zhao, J. Yarchoan, G. Bonnin, 2009b: NOAA Atlas 14 Volume 5, Precipitation-Frequency Atlas of the United States, Selected Pacific Islands. NOAA, National Weather Service, Silver Spring, MD.

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Tomlinson, E., and **T. Parzybok**, 2004: Storm Precipitation Analysis System (SPAS), Association of State Dam Safety Officials Annual Conference, Phoenix, Arizona, September 26-30, 2004

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