

George H. Taylor, M.S.
Certified Consulting Meteorologist
Resume of Experience

Born: Santa Barbara, California

Occupation: President
Applied Climate Services, Corvallis, Oregon

Education: B.A. Mathematics U.C. Santa Barbara, 1969
M.S. Meteorology University of Utah, 1975

Professional Experience:

- 2008- President and Founder
Applied Climate Services
Corvallis, Oregon
 - Extreme precipitation assessments
 - Expert witness services

- 1989-2008 Oregon State University
Oregon State Climatologist
 - Responsible for weather and climate data archives for the state of Oregon

- 1983 - President and Chief Scientist
Santa Barbara Softworks
Santa Barbara, California and Corvallis, Oregon
 - Air quality and meteorological analysis
 - Software development

- 1977 - 83 Manager of Air Quality Studies
North American Weather Consultants
Goleta, California
 - Air quality analysis and field studies

- 1975 - 77 Meteorologist
Environmental Research and Technology
Santa Barbara, California
 - Air quality and meteorological analysis

- Air quality model development

1971-73 Meteorological Assistant
North American Weather Consultants
Goleta, California
- Air quality analysis and field studies
- Weather forecasting

Professional membership, honors and awards:

Member, American Meteorological Society
Certified Consulting Meteorologist, American Meteorological Society
Board of Certified Consulting Meteorologists (Chairman 1995)
California Lifetime Community College Credential
President, American Association of State Climatologists, 1998-2000

Court Appearances for George H. Taylor in the last eight years:

Date	Location	Case/Representing	Type of case	Attorney
November, 2002	Centralia, WA	Dianna Burnett et al, Appellants v. City of Tacoma et al, Respondents.	Flooding	Tim Gosselin, Burgess, Fitzer, Leighton & Phillips, P.S., Tacoma, WA.
June, 2003	Portland, Oregon	Stevens vs. Daimler Chrysler, et al	Auto accident	
June, 2003	Coquille, Coos County, Oregon	State of Oregon vs. Green Atlas Shipping	Grounding of the New Carissa	Becky Kamitsuka, Oregon Department of Justice.
August, 2003	Federal Court, Portland, Oregon	United States vs. Green Atlas Shipping (deposed)	Grounding of the New Carissa	Mike Underhill, USDOJ, San Francisco
September, 2004	Eugene, OR	B&K Livestock vs. Lane Co. et al	Flooding	Andrew Logerwell, Oregon Department of Justice
July, 2006	McMinnville, OR	Kenneth Evenstad, et al. v. Ernest R. Munch Architect, Urban Planner, LLC, et al.	Wind damage to home	John L. Langslet. Martin, Bischoff, Templeton, Langslet & Hoffman, Portland, OR.
December, 2008	Boise, ID	Timm Adams, et al v. United State of America, et al (deposition)	Spray drift	Dawn Dollar, Sarah Williams, US Dept. of Justice
November, 2009	Roseburg, OR	Kohlman vs. Roseburg Forest Products	Spray Drift	Jessie Minger, the O'Neill Law Firm
January, 2010	Portland, OR	Nowak vs. State Farm Ins.	Wind damage	R. Bonaparte, Shenker & Bonaparte LLP
June, 2010	Oregon City, Oregon	Bazzaz vs. Howe	Flood damage	John Langslet, Martin Bischoff LLP

Publications:

Over 200 reports, books, and journal articles. Recent titles:

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

Daly, C., M. Halbleib, J.I. Smith, W.P. Gibson, M.K. Doggett, G.H. Taylor, J. Curtis, and P.A. Pasteris, 2008. Physiographically-sensitive mapping of temperature and precipitation across the conterminous United States. *International Journal of Climatology*, DOI: 10.1002/joc.1688.

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

Daly C, Redmond K, Gibson W, Doggett M, Smith J, Taylor G, Pasteris P, Johnson G. 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.

Taylor, G.H. and C. Daly, 2004. Using PRISM climate grids and GIS for extreme precipitation mapping. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

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.

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.

Daly, C., W. Gibson, M. Doggett, J. Smith, and G. Taylor, 2004. A Probabilistic-Spatial Approach to the Quality Control of Climate Observations. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

- Doggett, M, C. Daly, J. Smith, W. Gibson, G. Taylor, G. Johnson, and P. Pasteris, 2004. High Resolution 1971–2000 Mean Monthly Temperature Maps for the Western United States. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.
- Daly, C., W. P. Gibson, G.H. Taylor, G. L. Johnson, P. Pasteris, 2002. A Knowledge-based Approach to Statistical mapping of Climate. *Climate Research*, 22, 99-113.
- Taylor, G.H., A. Matzke and M. Mitchell, 2002. Oregon HCN Data – which one is correct?. 13th Conference on Applied Climatology, American Meteorological Society, Portland.
- 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 data set for the conterminous United States.. 13th Conference on Applied Climatology, American Meteorological Society, Portland.
- Taylor, G.H. and N. Parazoo, 2002. An investigation of changes in the length of the growing season. 13th Conference on Applied Climatology, American Meteorological Society, Portland.
- Daly, C., G.H. Taylor, W. P. Gibson, T.W. Parzybok, G. L. Johnson, P. Pasteris. 2001. High-quality spatial climate data sets for the United States and beyond. *Transactions of the American Society of Agricultural Engineers* 43: 1957-1962 (invited paper).
- Daly, C., T.G.F. Kittel, A. McNab, W.P. Gibson, J.A. Royle, D. Nychka, T. Parzybok, N. Rosenbloom, and G. Taylor. 2000. Development of a 103-year high-resolution climate data set for the conterminous United States. In: *Proc., 12th AMS Conf. on Applied Climatology*, Amer. Meteorological Soc., Asheville, NC, May 8-11, 249-252.
- Taylor, G.H. and R.R. Hatton, 1999. The Oregon Weather Book. Oregon State University Press, Corvallis, Oregon. 240 p.
- Taylor, G.H. and C. Hannan, 1999. The Climate of Oregon. Oregon State University Press, Corvallis, Oregon. 212 p.
- Daly, C., G.H. Taylor, and W.P. Gibson. 1998. The PRISM approach to mapping precipitation and temperature. In: *Proc., Modeling for Crop-*

Climate-Soil-Pest System and Its Applications in Sustainable Crop Production, Jaingsu Academy of Agricultural Sciences, Nanjing, China, 22-26 June, 150-152 (invited paper).

Redmond, K. T. and G.H. Taylor, 1997: Climate of the Coastal Temperate Rain Forest. In The Rain Forests of Home, Island Press, Washington D.C.

Work experience related to analysis and mapping of extreme precipitation:

Analysis of storm total precipitation for three major flood events in 1996-97 (for the US Forest Service), 1997.

An assessment of 10-, 25-, and 100-year precipitation intensity for western Oregon (for Oregon Department of Forestry), 1997.

Representation on the Board of Consultants for the Lake Chelan, Washington PMP assessment, 1999..

Extreme rainfall event mapping for BC Hydro (under subcontract to MGS Engineering), 2000.

PMP analysis for southwestern British Columbia, for BC Hydro (under subcontract to Water Management Consultants), 2001.

New monthly and annual precipitation and temperature coverages for Alberta, Manitoba and Saskatchewan, for Environment Canada, 2001.

Precipitation Intensity-Duration analysis for Southwestern U.S. and Ohio Valley, for National Weather Service, 2002-04.

Precipitation Intensity-Duration analysis for Washington, for Washington DOT (under subcontract to MGS Engineering), 2003-05.

PMP analysis for Alberta, for Province of Alberta, 2004-05.

Independent review of PMP analyses for Barr Lake, CO; Milton Reservoir, CO; Overland, CO; Black Hollow Reservoir, CO; 2003-05.

PMP analysis for Faro Mine, Yukon Territory; for Deloitte & Touche, Inc. Toronto, Canada, 2005-06.

Independent review of PMP analysis for Baker Lake, Washington, for Puget Sound Energy, Seattle, Washington, 2005-06.

Precipitation Intensity-Duration analysis for Oregon, for Oregon DOT, 2006-07.

Probable Maximum Precipitation analysis for Oregon, for Oregon Water Resources Department, 2006-07.

Independent review of PMP analysis for the Maagma Dam, Arizona, 2007.

Probable Maximum Precipitation for three Watersheds near Safford, Arizona, for Kimley-Horn Associates, 2008.

Probable Maximum Precipitation for the Upper Snake River basin, for the U.S. Army Corps of Engineers, 2008.

Probable Maximum Precipitation for the Peace River, Alberta, Canada, 2008

Independent review of PMP analysis for the Climax Mine, Colorado, 2009.

Probable Maximum Precipitation for Piru Creek, California (Board of Consultants), 2009-10

PMP and Seasonality Analysis for Bridge River, BC, for BC Hydro, June, 2010