

Frank J. Watson

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SUMMARY:

Bachelor of Science degree in Atmospheric Science (Meteorology) concentrated in forecasting, forensics and storm reconstruction.

1983-and current: Bruce and Frank Watson Consulting Meteorologists.

Forensic includes work on:

- Effect of weather types on pavements for reconstruction for auto and personal injury.
- Illumination. Daytime, evening, nautical twilight, civil twilight, sunrise, sunset and sun angle.
- Construction and structural damage due to heavy snow, rains, icing, flooding, winds, hail and lightning.
- Heat related stress on individuals using ambient temperature, black bulb, wet bulb global temperature, wind and water content.
- Provide consulting services for use in litigation as well as expert testimony.

Testimony/Mediation (most recent)

Tornado Damage. May 2013

Personal Injury, Pavement conditions. May 2013

Personal Injury, Pavement conditions. February 2012

Heavy Snow. January 2012

Hail damage. February 2011

Forecasting

Long and medium range forecasting for weather sensitive and agriculture industry.

Publish yearly weather calendar that contains personal weather observations, climate reviews of surrounding region and climate history of Minnesota.

Provide storm summaries for weather sensitive companies. Provide climate information for the Energy industry.

Other:

On-site weather monitoring including temperature, precipitation, winds, illumination, sky, water content, solar radiation and black bulb temperature.

Developed software for weather informational kiosk.

Create websites for retail and nonprofit organizations. Archive daily weather data from personal observations as well as weather data from the National Weather Service and from cooperative network of local weather observers.

I've written programs that parse out weather data using Perl, Quick Basic, Excel and Linux.

Guest on local TV and radio offering my opinion on Minnesota climate, current and future weather trends.

Provide weather related articles for local publications.

EXPERIENCE:

Currently provide long-range and medium range forecasts for agriculture and weather sensitive businesses. Provide storm summaries for seasonal weather companies. Publish yearly weather Twin City weather calendar. Consulting services for weather related events.

PUBLICATIONS:

Watson's Weather Watch Calendar (Yearly from 2004 to 2013)

Minnesota Storms 2006

Monthly weather column for Hugonian newspaper 1996-2005

Town Life Magazine

LeBulliten Magazine (monthly)

Dakota Farmer Magazine (monthly)

Monthly Ag Newsletter (monthly)

EDUCATION: Graduate of University of Wisconsin, Madison.

1983 Bachelor of Science, Atmospheric Science.

University of Minnesota, 1978-1981. Twin City Campus.

Other Work:

May 1982- April 1992: Meteorologist for KARE-11 TV. Forecasting, weather production, severe weather tracking and dissemination, advise newsroom on current weather, on air broadcast.

1992-1999: EarthWatch Communications. Trained clients in EarthWatch weather graphics software for on air production. Created marketing and promotional material. Customer service technician specializing in UNIX. Account manger for the northern half of U.S. servicing over 200 markets.

Activities:

American Meteorological Society, Twin Cities Chapter

Toastmasters. Four Seasons Toastmasters. Advanced Communicator Bronze, Sliver

Roseville Historical Society, Vice President

Marketfest, White Bear Lake, Staff Coordinator.

Sharing and Caring Hands, volunteer

Guest speaker for various organizations