WATExR: Seasonal forecast of weather and lake water quality

Forecast for Lake Vansjø: November 2000 – January 2001
Forecast issued March 10. 2020

This page shows temperature, rainfall and wind conditions expected for south-eastern Norway during the next 3 months. For summer (May-Oct), lake water quality forecasts for the western basin of Lake Vansjø are also produced, where the aim is to predict ecological status according to the Water Framework Directive.

Weather forecasts are issued four times a year, as follows:

Issued	Forecast season	Months in forecast
April	Early summer	May - July
July	Late summer	August - October
October	Early winter	November - January
January	Late winter	February - April

Forecasts are generated using an ensemble of bias-corrected seasonal climate forecasts (15 members) provided by the ECMWF System 4. Lake ecological status forecasts are based on statistical modelling (click here for further information).

Weather forecast for November 2000 – January 2001

	Prediction for the coming season (compared to the 1981 - 2010 average)	Risk of extremes	Forecast reliability (historic performance)
Temperature	**Above normal**	**Not extreme**	**0.27**
Precipitation	**Above normal**	**Extreme high**	**0.15**
Wind	**Below normal**	**Not extreme**	**0.35**

Colour intensity represents **forecast probability***

High (> 75% agreement) | Low (35 - 50% agreement)
Medium (50 - 75% agreement) | Less than low (< 35% agreement)

*percentage of seasonal forecast ensemble members within each class

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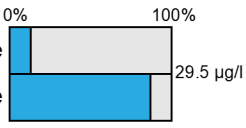
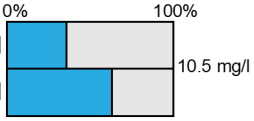
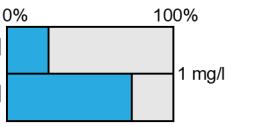
Lake water quality forecast for May 2001 – July 2001

	Predicted ecological status class	Classification	Forecast skill*
Total phosphorus		Lower Moderate (90% chance)	70%
Chl-a		Moderate or worse (60% chance)	63%
Cyanobacteria		Moderate or worse (75% chance)	60%

* Percentage of time the model classified correctly during testing