

WATExR: Seasonal forecast of weather and lake water quality

Forecast for Lake Vansjø: November 2001 – January 2002 Forecast issued November 23. 2019







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 2001 – January 2002

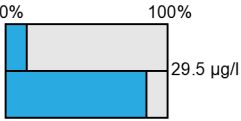
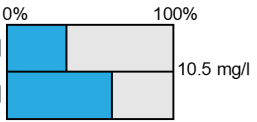
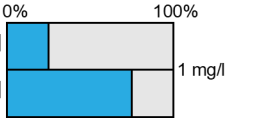
| | Prediction for the coming season (compared to the 1981 - 2010 average) | Risk of extremes | Forecast reliability (historic performance) |
|---------------|--|--|---|
| Temperature |  Above normal |  Extreme high | 0.31 |
| Precipitation |  Above normal |  Extreme high | -0.01 |
| Wind |  Near normal |  Not extreme | -0.07 |

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

Lake water quality forecast for May 2001 – July 2001

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

* Percentage of time the model classified correctly during testing