



## Wave measurements Lake IJssel 2003-2004

In this project an analysis is made of the monitoring programme 'Wave measurements of the Lake IJssel area' ('Golfmetingen IJsselmeergebied'), which is commissioned by the Regional Directorate IJsselmeer area (RWS IJG) of Rijkswaterstaat in the Netherlands.

**Client**  
Rijkswaterstaat / RIZA

**Location**  
Lake IJssel, The Netherlands

It aims to provide:

- (i) documentation of the measurements,
- (ii) validation results of the wind and wave measurements,
- (iii) an inventory and description of storm events,
- (iv) a description of local wave climatology, and
- (v) a description of some applications.

**Date**  
2005

**Services**  
Data processing and reporting of  
wave and wind measurements

The above figure shows the wave measurement locations at lake IJssel and lake Sloten. At several locations wind and wave observations are taken. The photo concerns location FL2, which is located on the east of lake IJssel. The wave measurements were executed using capacitance wires. This system proves to be sensitive for marine growth. The effect of cleaning of the instrument on the reference level is indicated on the lower right site. Prior to data processing all measurement records have been corrected for the influence of marine growth and other disturbing factors. The result is a detailed database of recorded wind and wave conditions in enclosed lakes that can be further used for calibration of wave models (SWAN).

**Svašek Hydraulics**

Schiehaven 13G, P.O. Box 91, 3000 AB Rotterdam, The Netherlands.  
Phone +31 10 467 13 61, Fax +31 10 467 45 59, Internet: [www.svasek.com](http://www.svasek.com), E-mail: [info@svasek.com](mailto:info@svasek.com)

SV1336

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