

RIVER DISCHARGE RHINE BRANCHES

WAQUA Simulations

In the coming decades, the layout of the Dutch river delta will require major changes. The increase in the normative discharge of the river Rhine from 15,000 m³/s to 16,000 m³/s (and in the future perhaps to 18,000 m³/s) is a reason for taking large-scale expanding measures. These measures can have an effect on the discharge distribution over the river junctions at the Pannerdensche Kop and the IJsselkop.

Svašek Hydraulics has built a numerical model of the river junctions with the 2D water-movement model WAQUA. With this model, the discharge distribution over the river branches at the junctions of the Pannerdensche Kop and the IJsselkop, at Mean High Water conditions, was investigated.

The effect of any relatively small-scale, quick-to-realise measures has been calculated. A number of these measures can be used in the future to manage the discharge distribution over the river branches at MHW.

CLIENT

Rijksinstituut voor Integraal
Zoetwaterbeheer en
Afvalwaterbehandeling (RIZA).

LOCATION

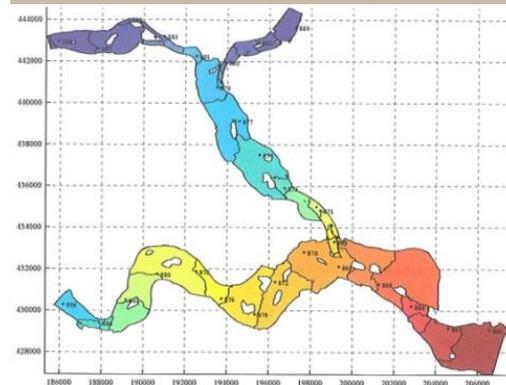
Splitsingspunt Pannerdensche Kop

DATE

1998

SERVICES

2d rivierkundige berekeningen
(WAQUA)



SVASEK
HYDRAULICS

COASTAL, HARBOUR AND RIVER CONSULTANTS

Svašek Hydraulics
Schiehaven 13G
3024 EC Rotterdam
the Netherlands

Phone: +31 10 467 13 61
Internet: www.svasek.com
E-mail: info@svasek.com