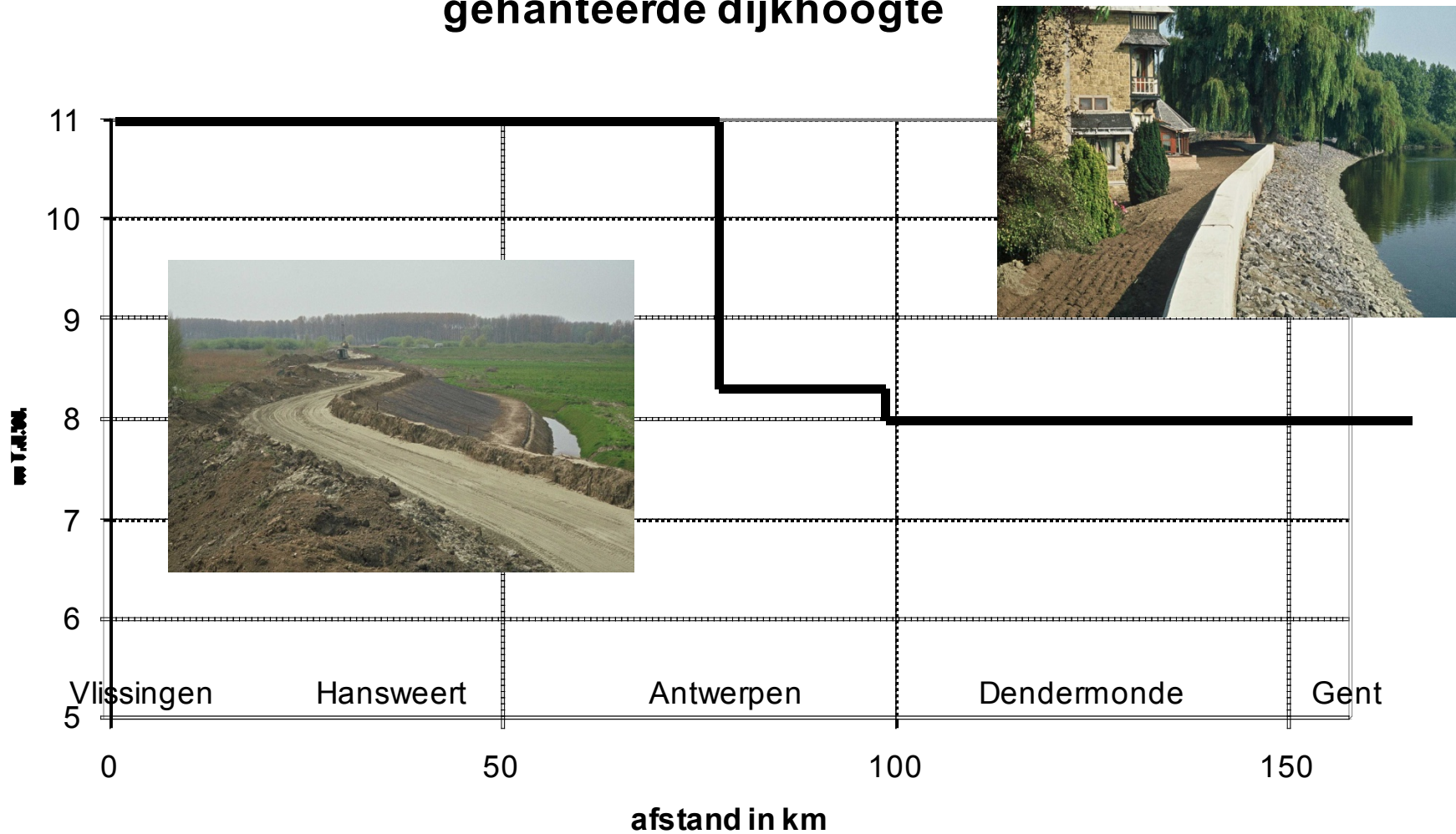


Safety: Example Schelde



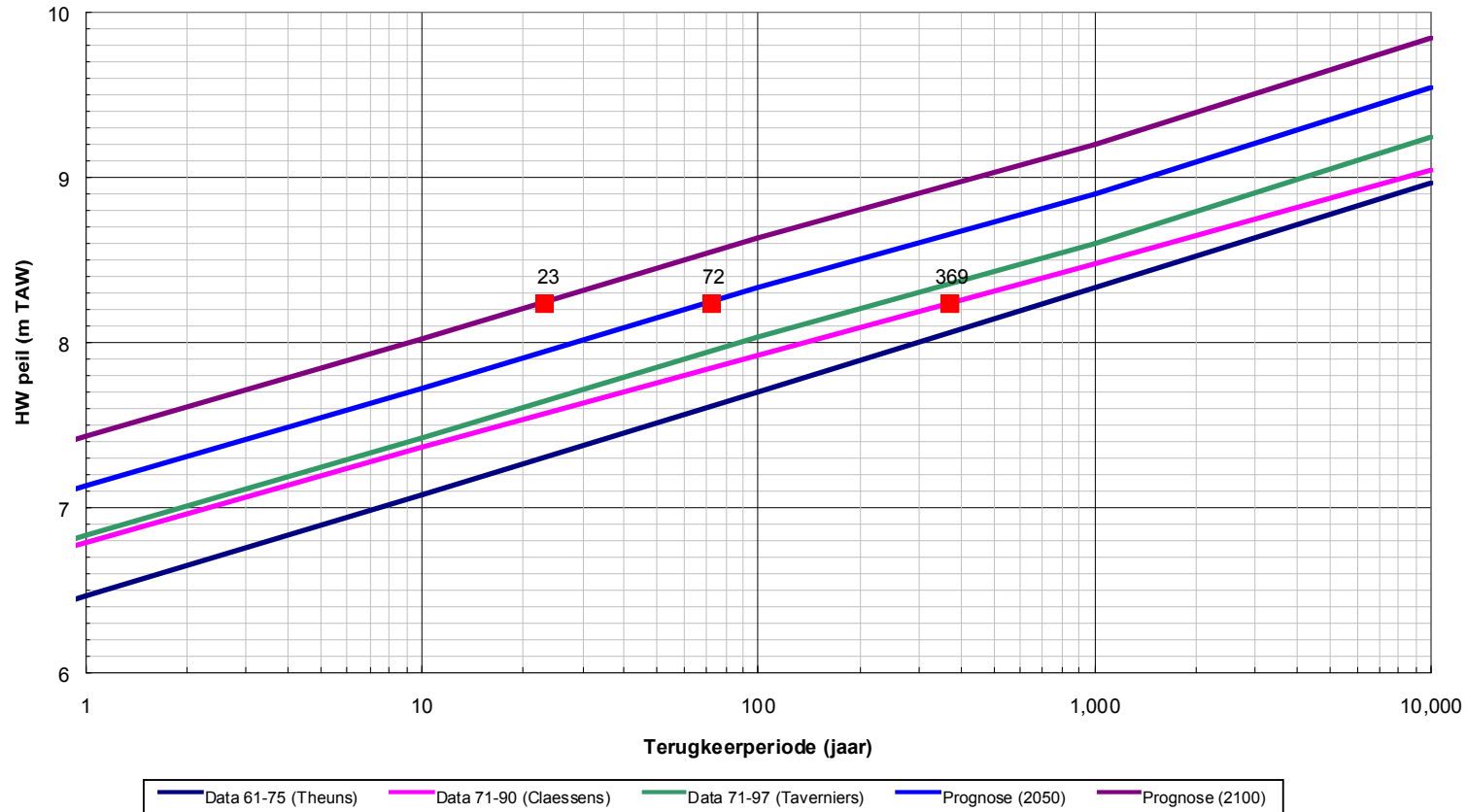
The SIGMAPLAN 1977

gehanteerde dijkhoogte

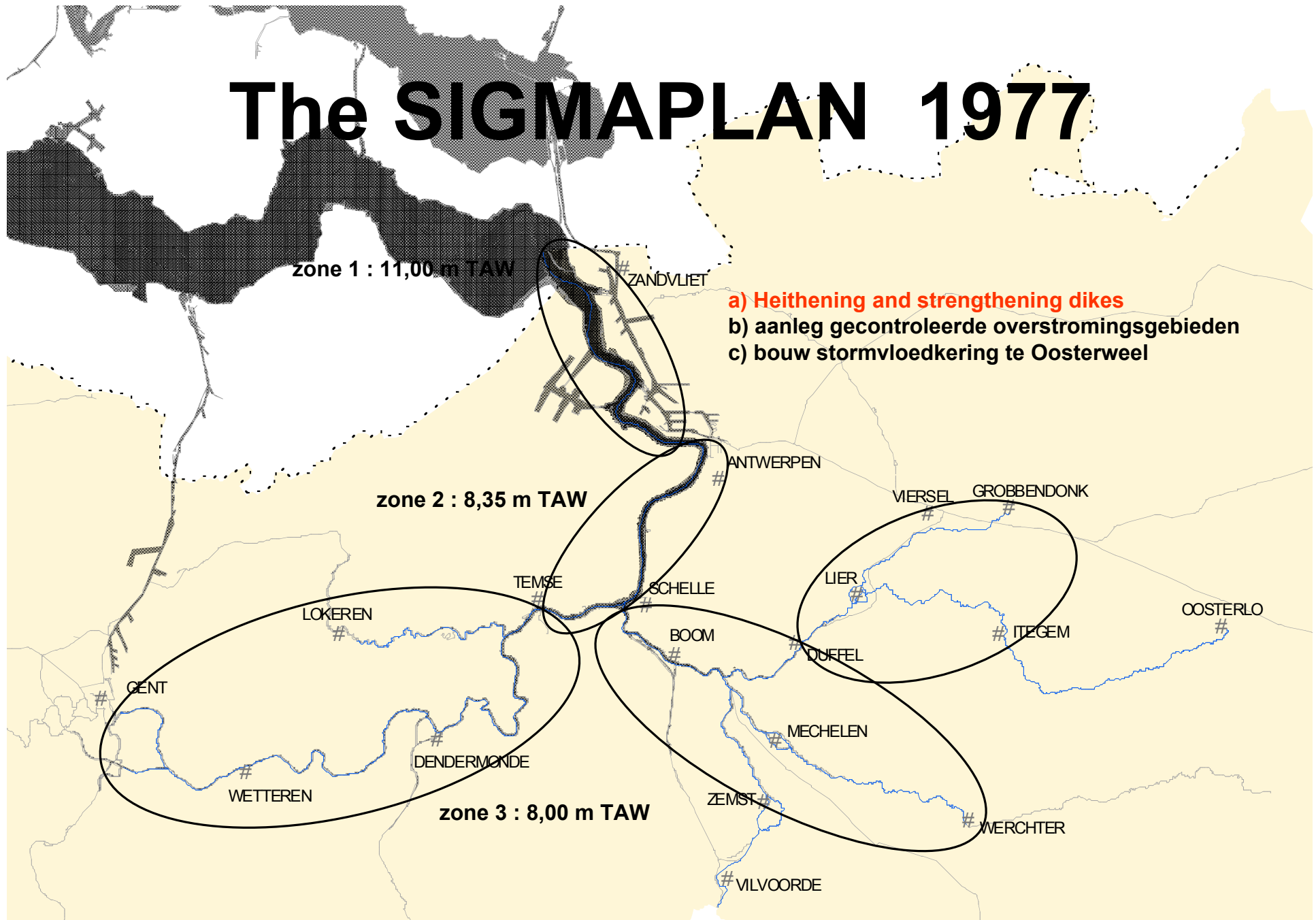


Upgrade of safety level is necessary

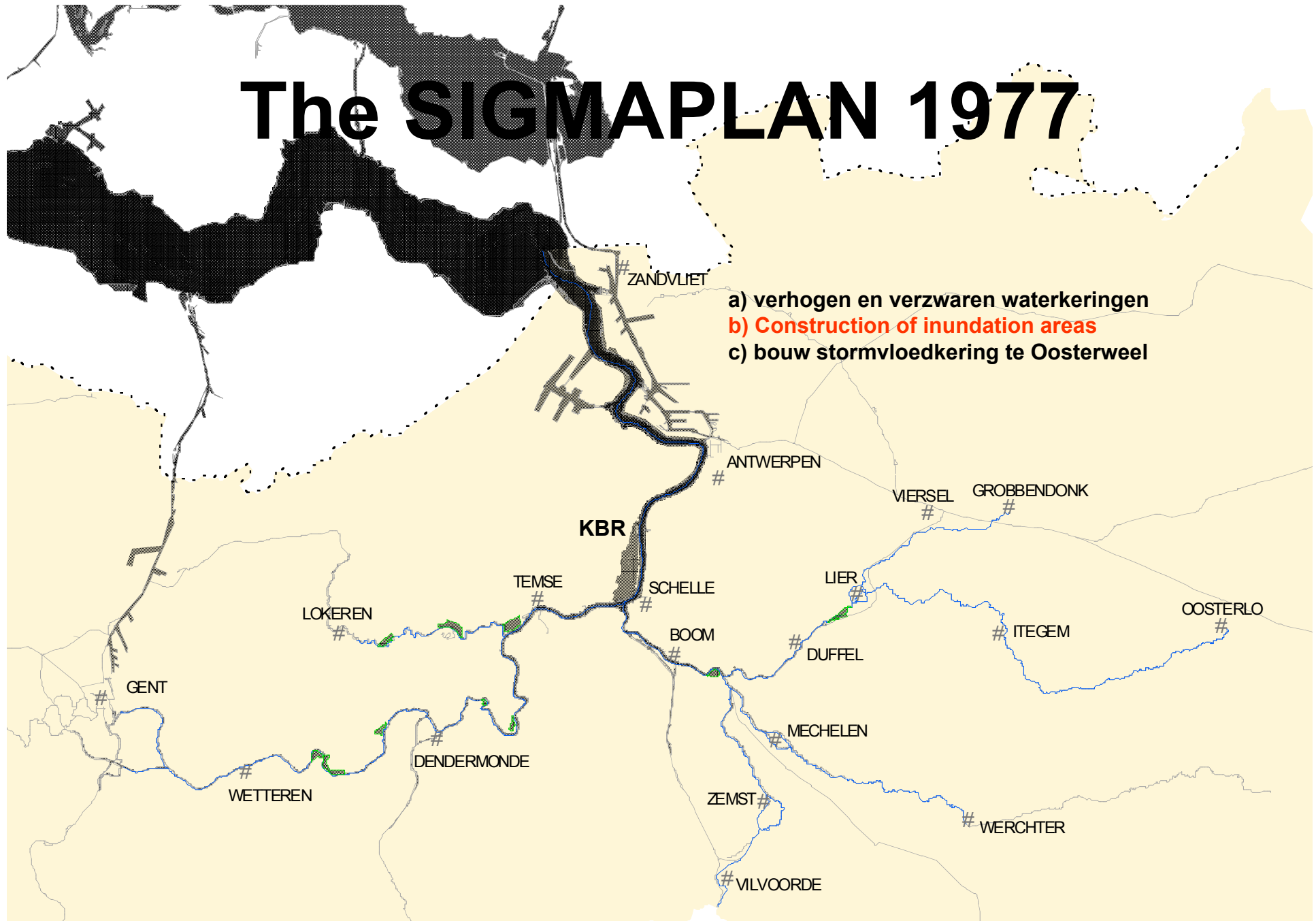
Antwerpen : overschrijdingslijn hoogwaterstanden



The SIGMAPLAN 1977



The SIGMAPLAN 1977



The SIGMAPLAN 1977

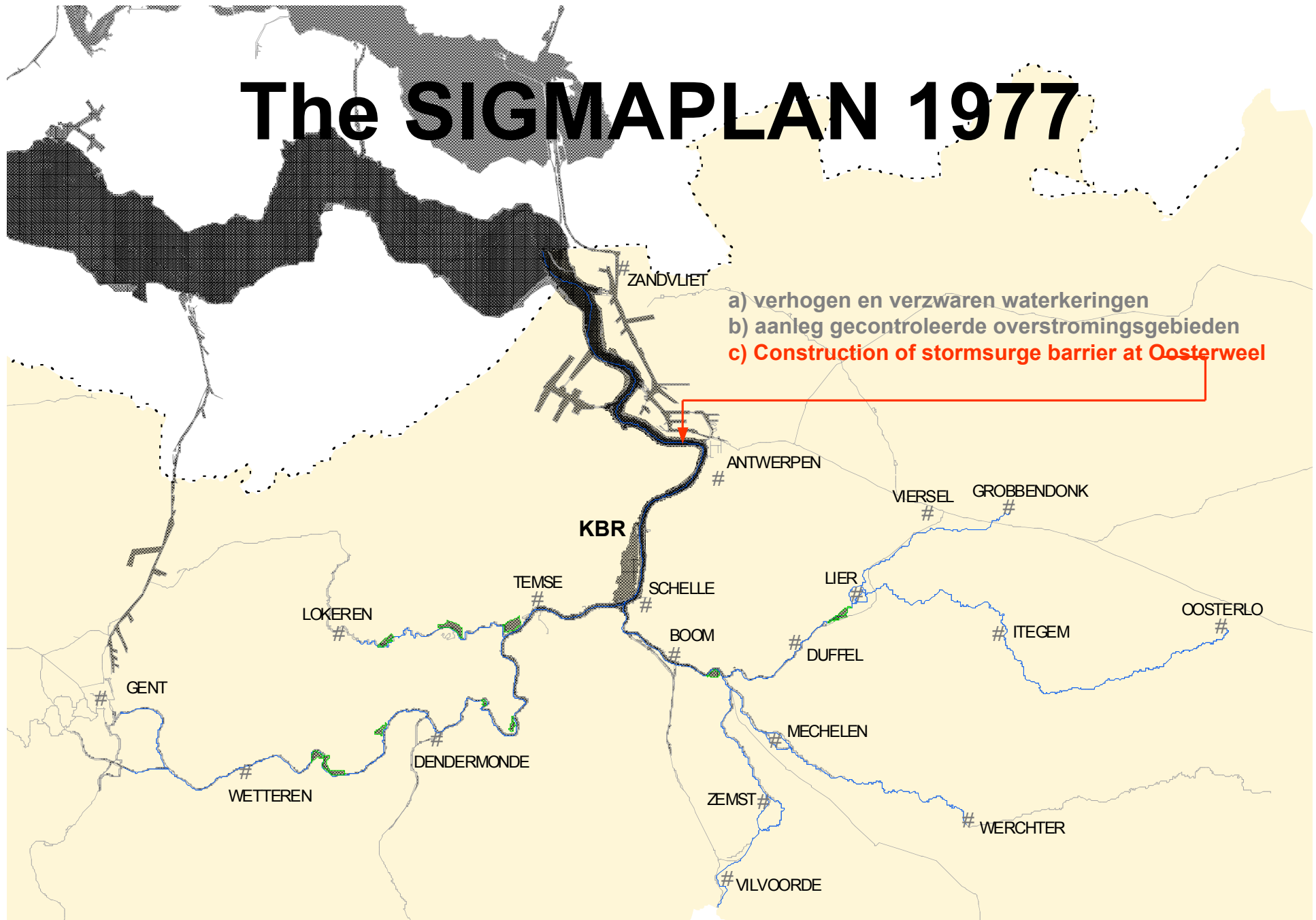


Tielrodebroek

Durme

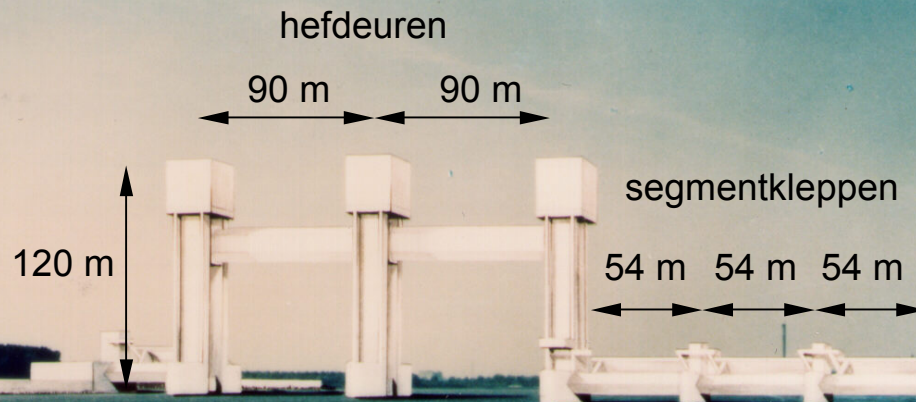
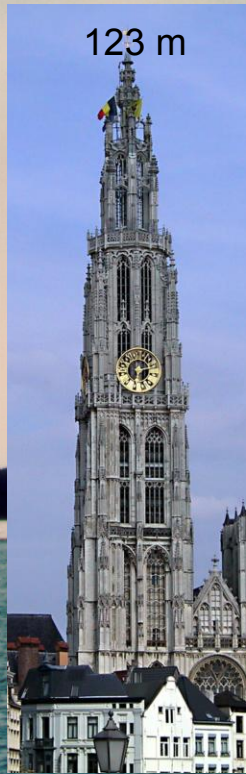
Zeeschelde

The SIGMAPLAN 1977



The SIGMAPLAN 1977

2003 : 1.000.000.000 EUR



Actualisatie van het SIGMAPLAN

Ruimte voor de rivier

Voorlopige versie

- te ontpolleren
- GOG in werking
- GOG gepland



Zeeschelde



Durme

Rupel

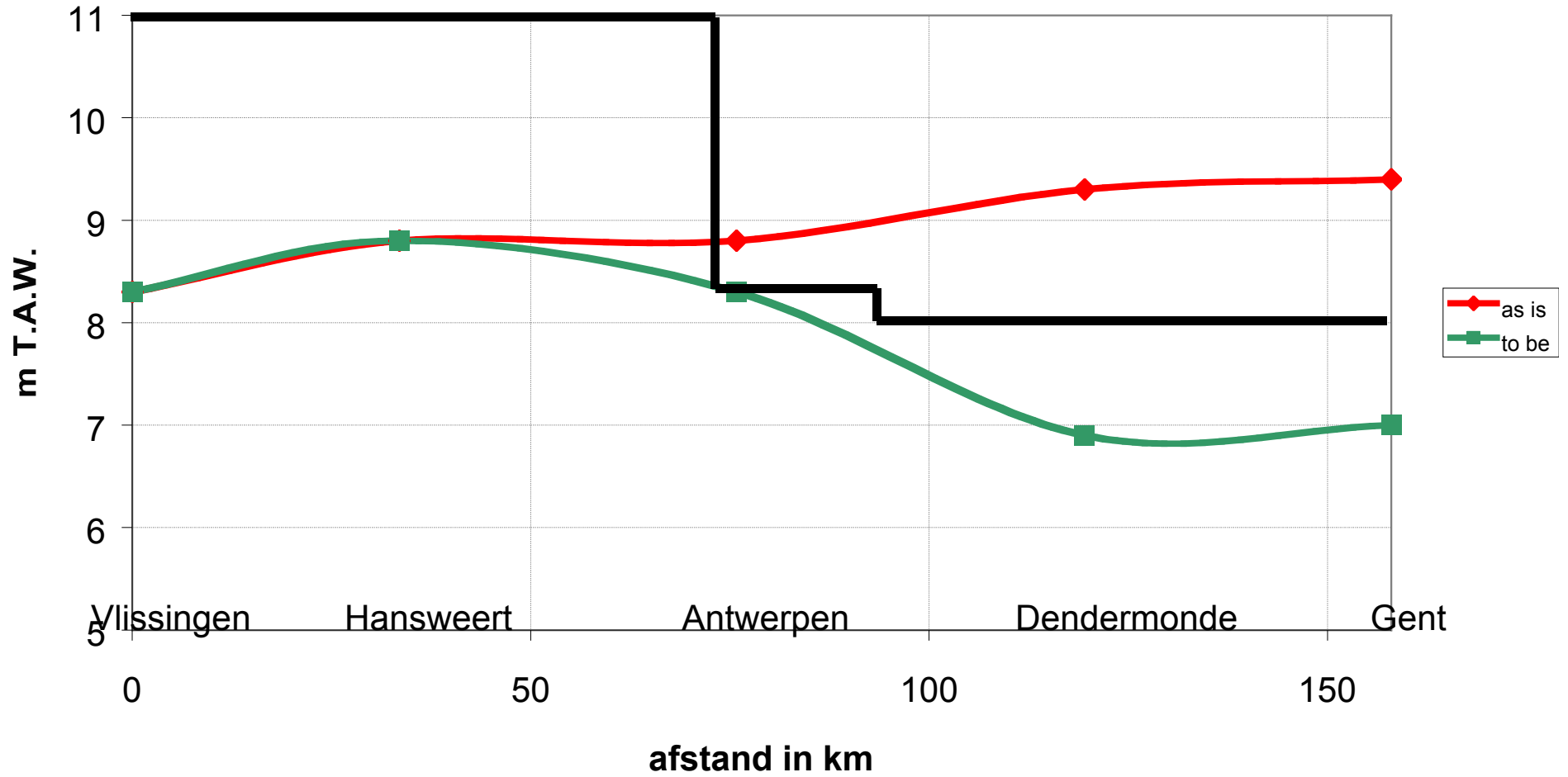
Nete's

Dijle

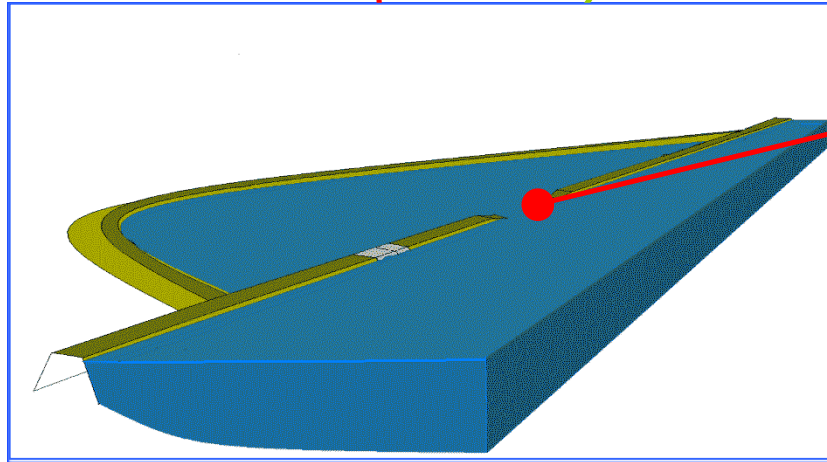
Zenne



effect GOG op HW



Concept FCA – CRT safety, ecology and a new ecosystem



Safety: FCA

- Lowered dike stretch
- Critical tides: whole storage capacity
- **Only few times/year!**

Ecology: CRT FCA estuary



Ring Dike

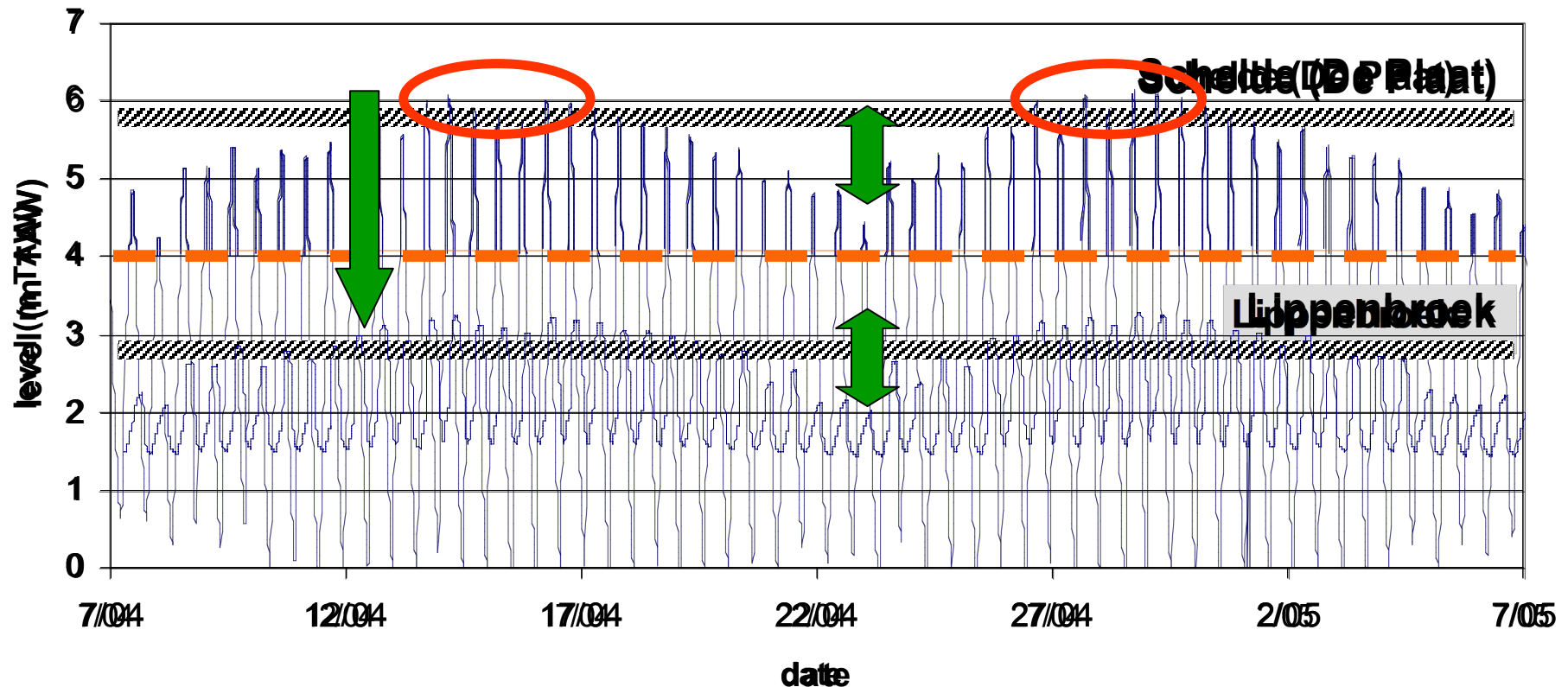
Lowered FCA dike

Pilot project Lippenbroek



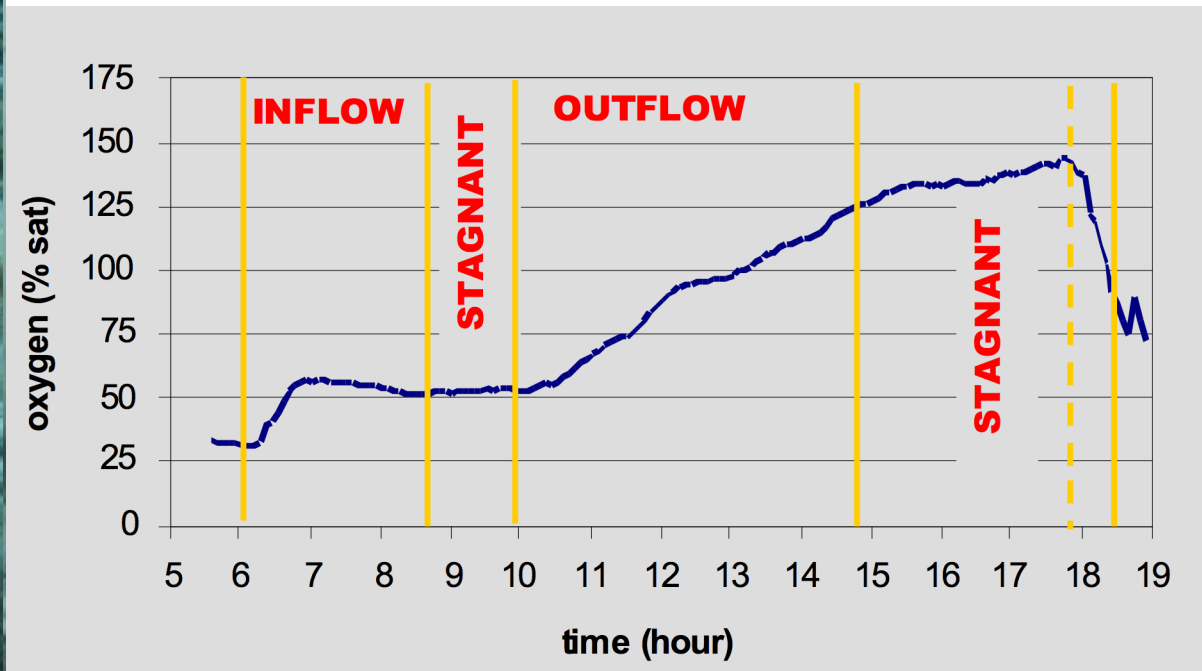
10 ha of tidal nature developing: May 2008

Introducing macrotidal regime



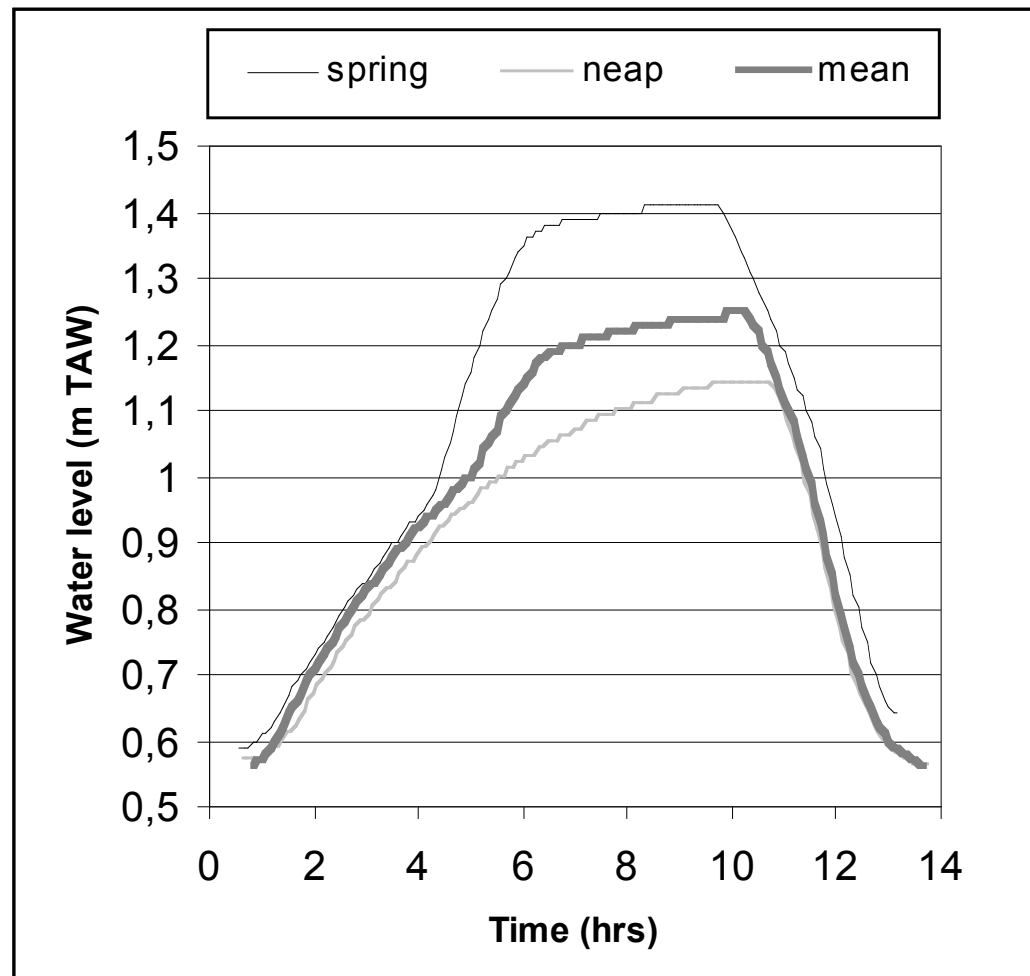
- ❖ Reduction of high water level by 3 meter
- ❖ No reduction of spring – neap variation

Water quality: oxygen





“reverse tidal pumping”



Alternative disposal strategy

