

Map 6

From possible to promising levels in the main water system

- reference: monitor
- volume appropriate
- increase sand buffer

- reference: = 1/100
- 1/100 → 1/200
- partial failure
- new flood defence system: 1/1,000 (after 2070)
- dam with navigation lock (after 2070)

- reference: no additional measures for Nieuwe Waterweg
- air bubble screen
- stepped river bed
- dam with navigation lock

- reference: no change, ajar
- storm surge barrier

- reference: dykes and VZM storage
- Grevelingen flood storage (after VZM)
- Oosterschelde flood storage (after VZM)
- no flood storage (after VZM), Haringvliet pumps

- reference: no river flood gates
- 1-2 river flood gate systems
- ring of flood defence systems

- discharge if possible
- pump if necessary
- reference: current water level management
- make water level management flexible and flexible organisation
- make water level management more flexible and particularly flexible organisation

- + 400 m³/s
- + 0 m³/s
- + 2,000 m³/s
- 100 m³/s
- 200 m³/s
- 300 m³/s
- + 0 m³/s
- no change
- Nederrijn-Lek relieved additionally between 8,000 m³/s - 13,000 m³/s
- 25 m³/s

- + 1,600 m³/s
- + 2,000 m³/s
- + 0 m³/s
- 475 m³/s
- 375 m³/s
- 275 m³/s

- Options for distribution of Rhine discharge**
- flood water (16,000-18,000 m³/s in the case of peak discharges)
 - FW ref.: + 1,600 m³/s (Waal), + 400 m³/s (IJssel), + 0 m³/s (Nederrijn-Lek)
 - FW Waal: + 2,000 m³/s (Waal)
 - FW IJssel: + 2,000 m³/s (IJssel)
 - intermediate discharges
 - ID 1: no change
 - ID 2: Lek relieved additionally between 8,000 m³/s - 13,000 m³/s
 - low water (600 m³/s in the case of extremely low discharges)
 - LW ref.: 475 m³/s (Waal), 100 m³/s (IJssel), 25 m³/s (Nederrijn-Lek)
 - LW 1: 375 m³/s (Waal), 200 m³/s (IJssel), 25 m³/s (Nederrijn-Lek)
 - LW 2: 275 m³/s (Waal), 300 m³/s (IJssel), 25 m³/s (Nederrijn-Lek)
 - peak storage of Rijnstrangen area (maximum 500 m³/s)

- Options for the IJsselmeer Region**
- discharge to the Wadden Sea
 - water level management
- Options for low water**
- limit salt intrusion
 - extend alternative supply Mid-western part of the Netherlands
 - Waal-Meuse link

- Options for protecting against the sea and screening the Rhine Estuary-Drechtsteden from the influence of the river**
- protecting the Nieuwe Waterweg against the sea: reduce failure probability of the Maeslantkering
 - protecting the Rhine Estuary-Drechtsteden using (closable) river flood gates
 - extent of the storage capacity (Haringvliet, Hollandsch Diep)
 - management of Haringvliet sluices
- Options for a sand system**
- sand replenishment (variations with increasing volumes)
 - option put on hold
 - options put on hold: alternative supply from the IJsselmeer Region; construct new rivers

