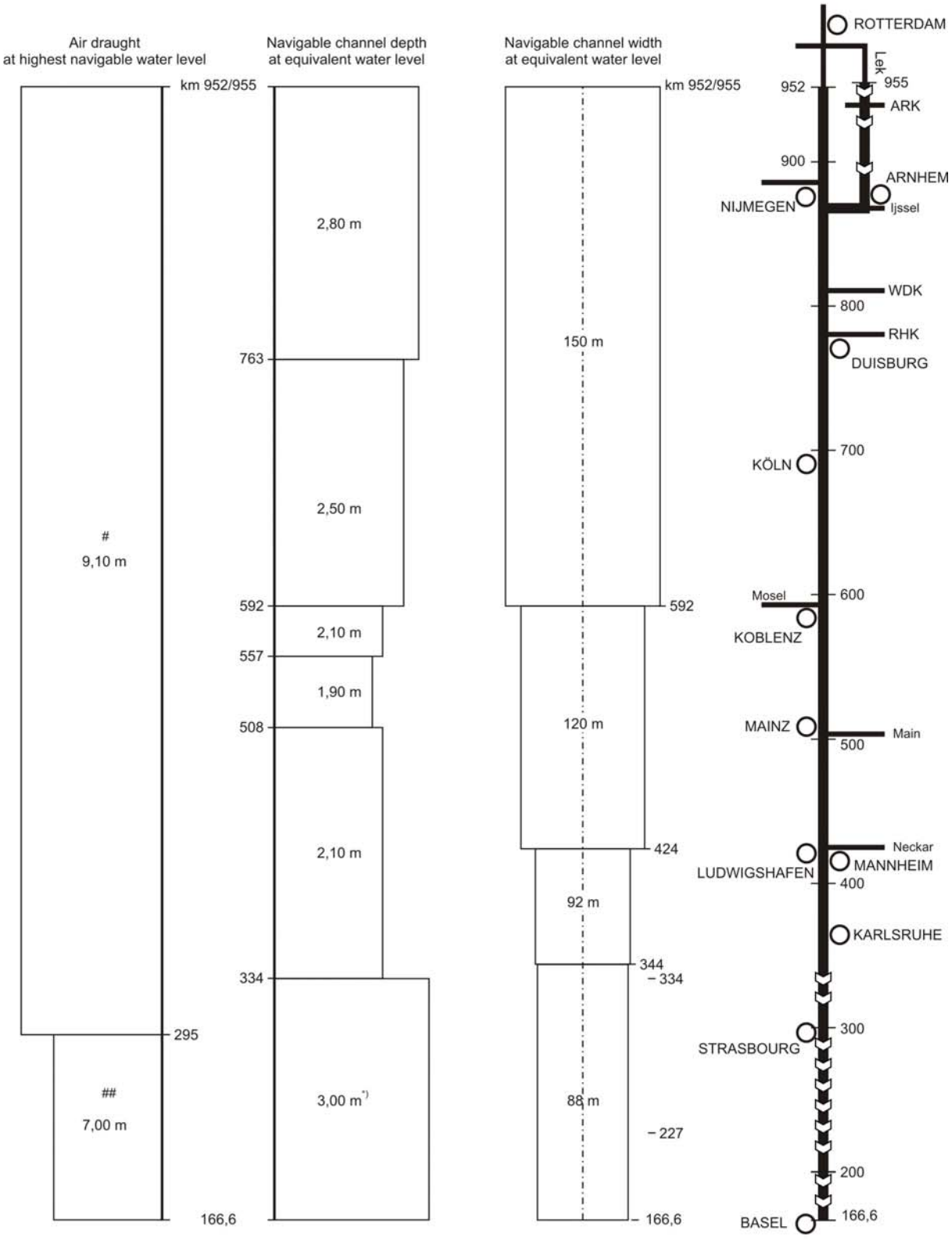
Waterway Profile of the Rhine

The graphics provide a succinct portrayal of the waterway profile and are primarily intended as a source of information for interested members of the public but can also be used by other CCNR bodies, national authorities and companies involved with the navigation of the Rhine. As far as possible, the diagrams reflect actual conditions as they are encountered most of the time. Of necessity the presentation has had to be simplified in a few places. Appropriate footnotes and general comments help to avoid any misunderstandings.

The maximum dimensions of vessels, pushed convoys and other vessel combinations appear in Chapter 11 of the Police Regulations for the Navigation of the Rhine (RPR).

WATERWAY PROFILE OF THE RHINE

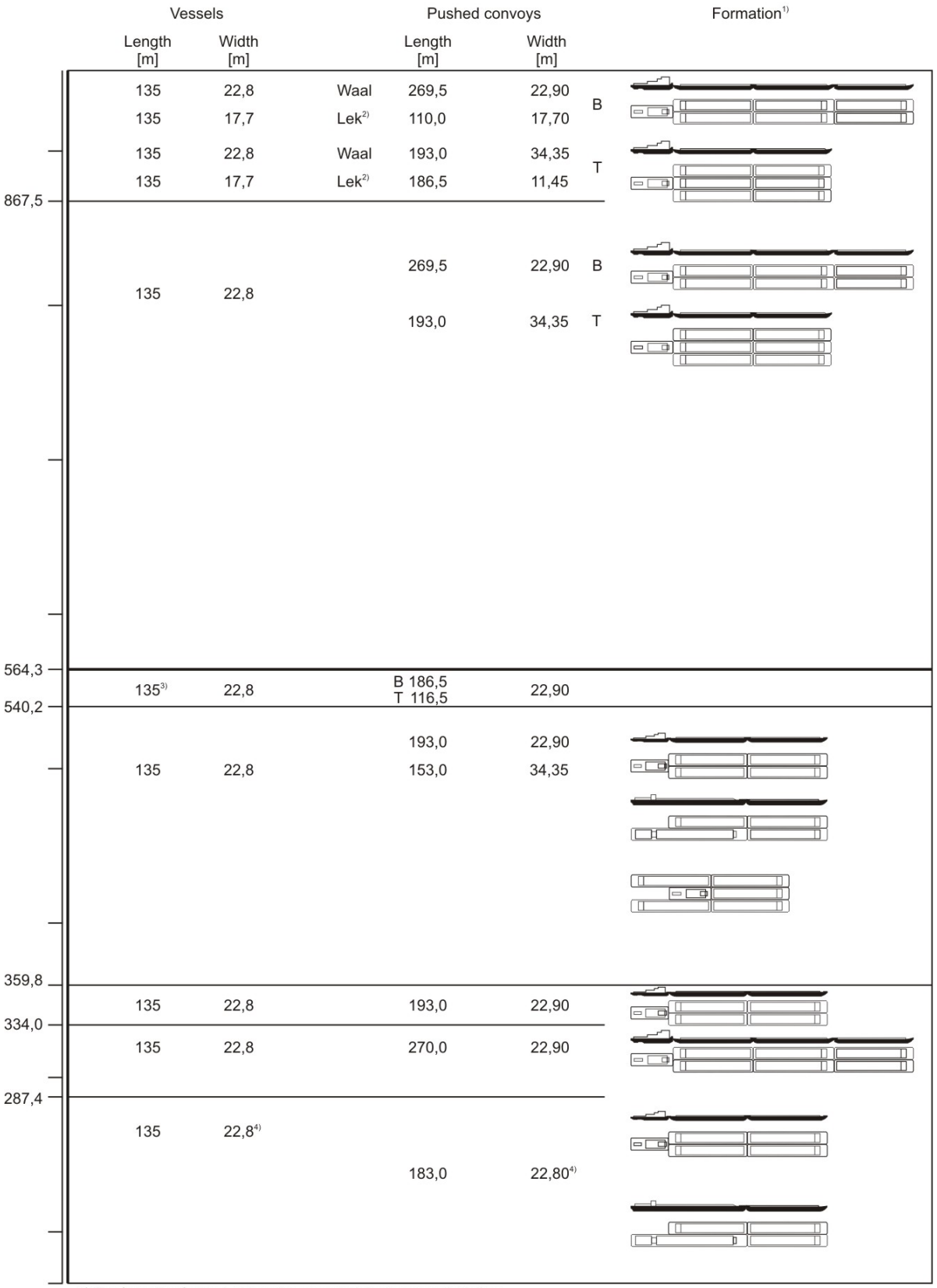


*) Guaranteed water depth

\# 1. At the Josef-Kardinal-Frings-Brücke (Südbrücke Düsseldorf, Rhine km 737,10) the air draught of the bridge at HNWL is 8,61 m.
2. At the Kniebrücke Düsseldorf (Rhine km 743,57) the air draught of the bridge at HNWL is 8,82 m.
3. At the road bridge Rheinhausen - Duisburg-Hochfeld (Rhine km 775,29) the air draught at HNWL is 8,88 m.
4. At the road bridge Bonn-Beuel (Kennedy-Brücke Bonn, Rhine km 654,94) the air draught of 9,10 m above HNWL is only available over a width of 115 m.
5. At the road bridge Köln-Deutz (Rhine km 687,93) the air draught of 9,10 m above HNWL is only available over a width of 94 m.

\## At the Europabrücke (Rhine km 293,48) the air draught of the bridge at HNWL is 6,79 m.

Simplified representation of the maximum dimensions of vessels and pushed convoys
(For binding dimensions see Chapter 11 Police Regulations for the Navigation of the Rhine)



1) The formation for the Lek is not represented due to space limitations.

2) Larger dimensions apply from the Lek channel (km 949,40) to Krimpen (km 989,20).

3) At certain water levels 110.

4) Smaller dimensions apply in case of closure of certain lock chambers.

B: Upstream navigation T: Downstream navigation.