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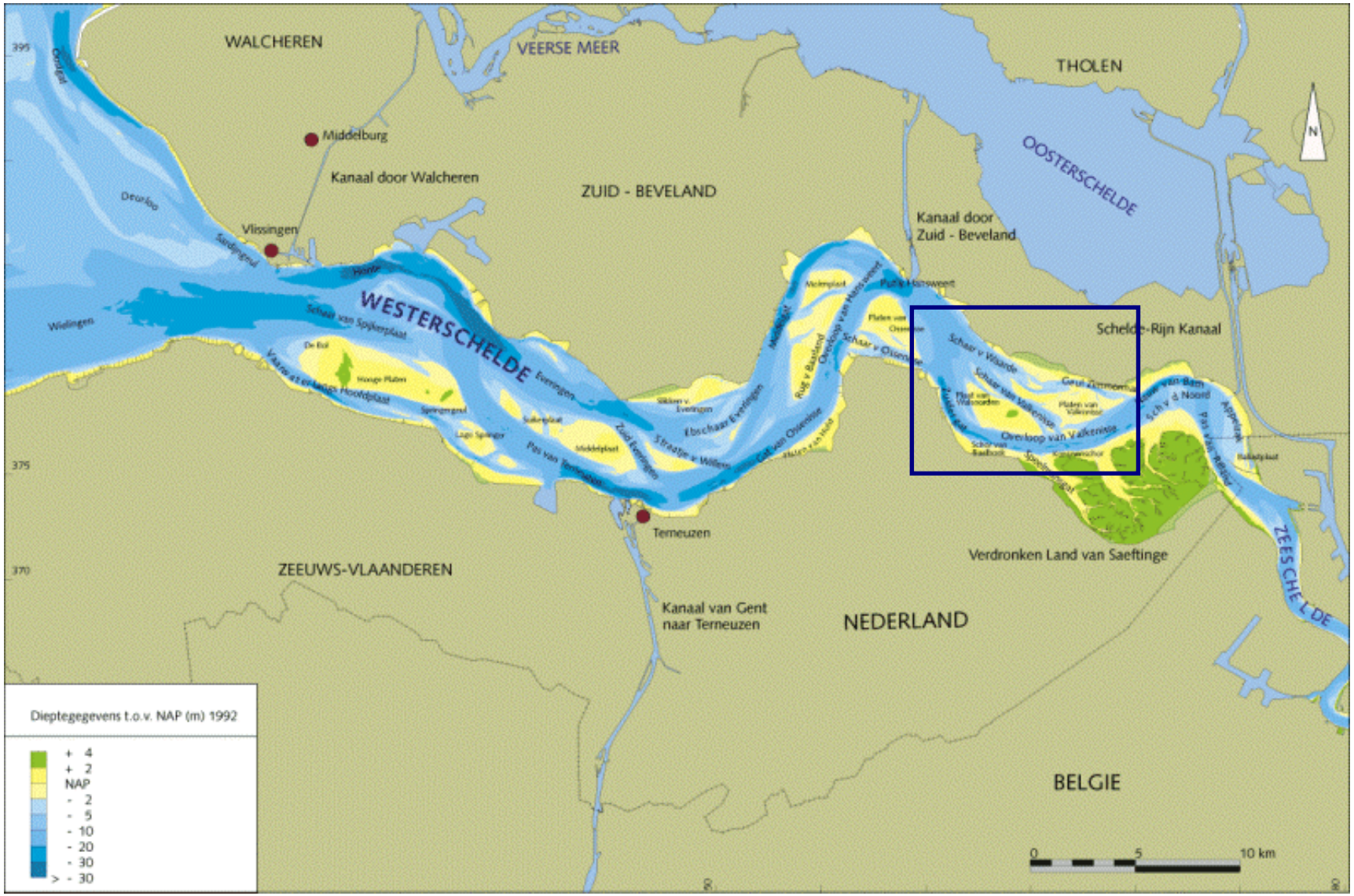


Figure 1: Overview of the Westerschelde

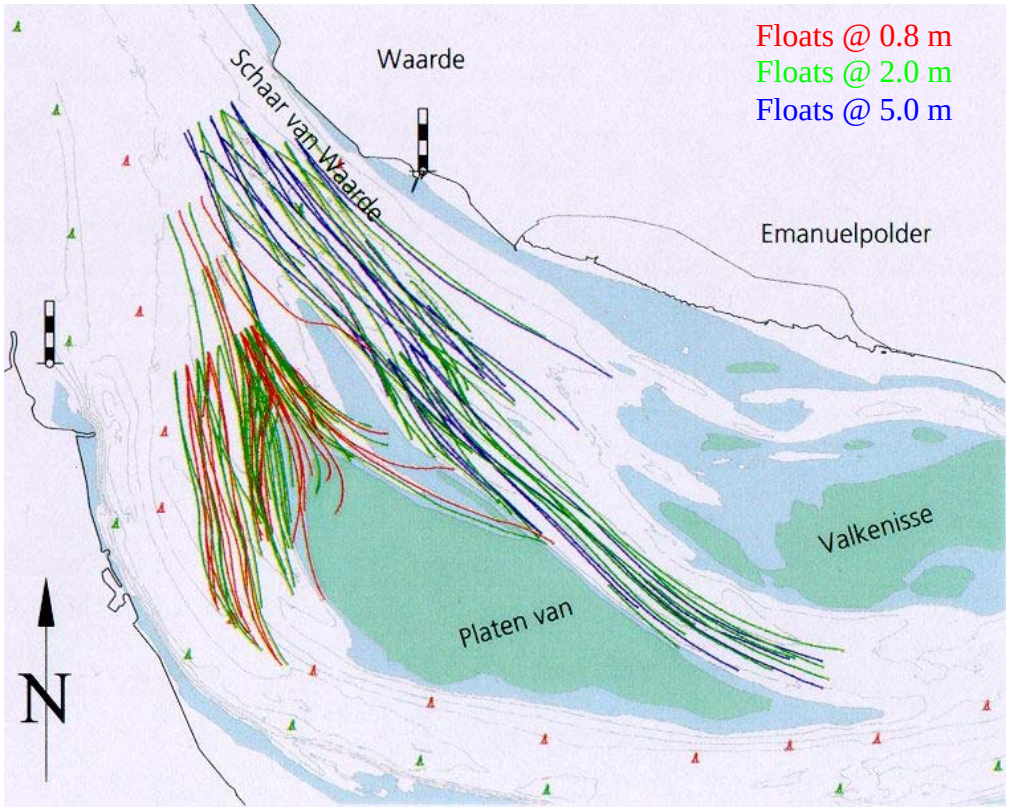


Figure 2: Overview of float tracks (flood phase)

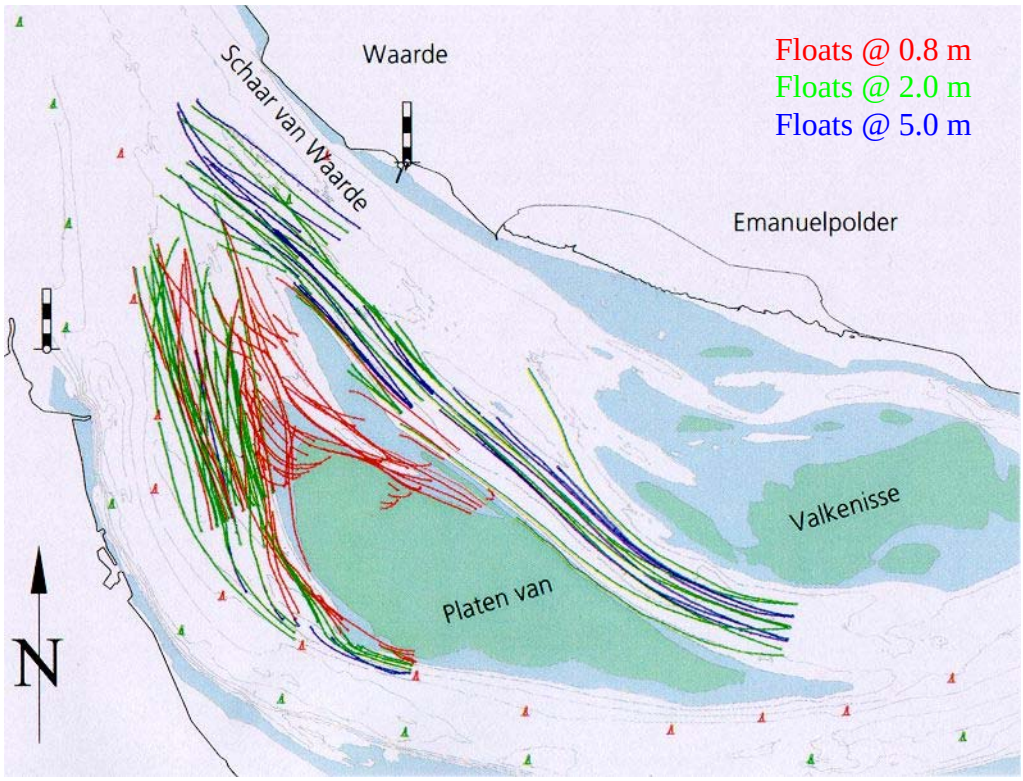
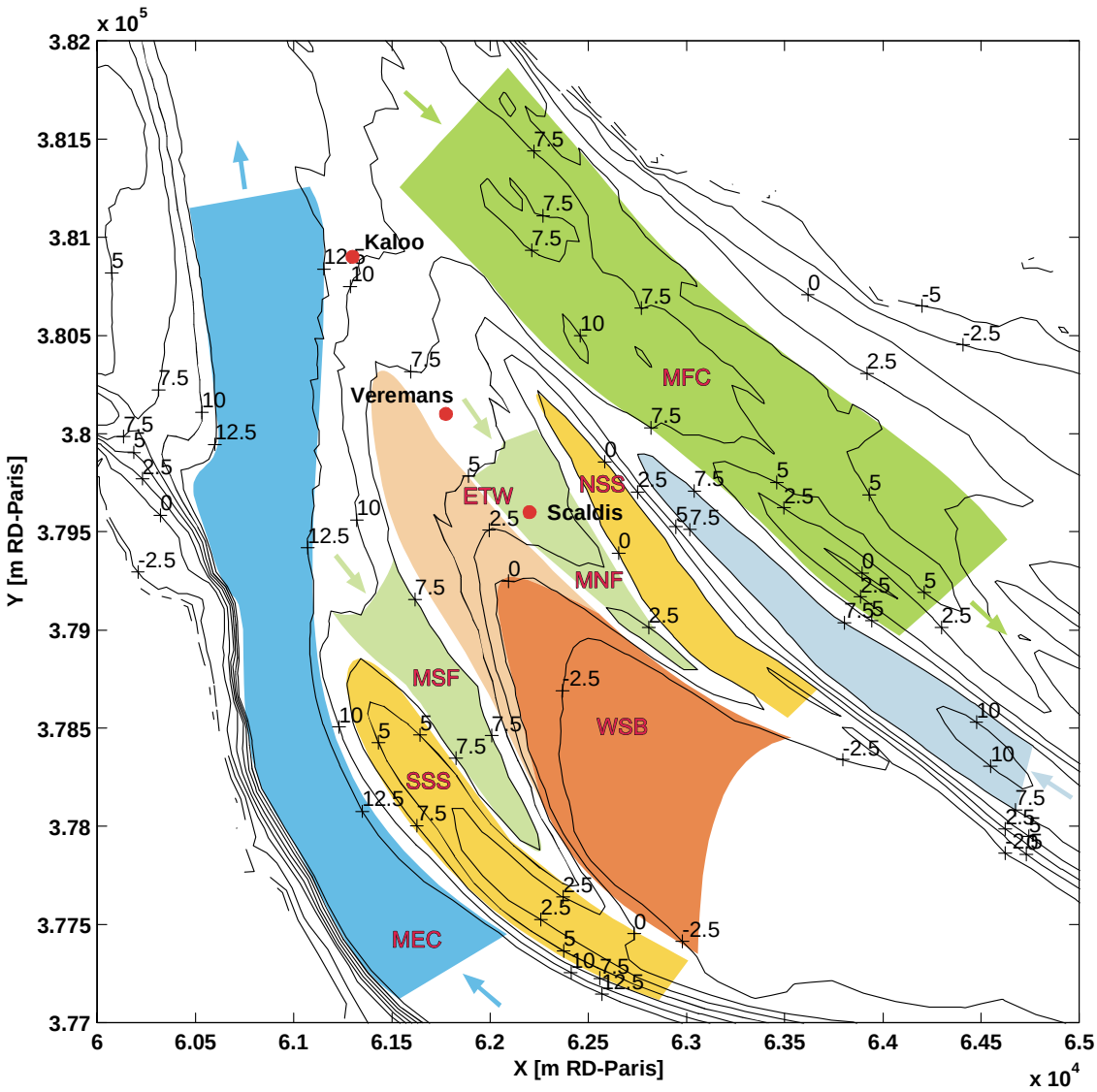


Figure 3: Overview of float tracks (ebb phase)



Sandbar under flood flow attack (WSB)

Main ebb channel (MEC)

Main flood channel (MFC)

Strong ebb flow in flood channel

Minor flood channel (MNF & MSF)

Sand spit (NSS & SSS)

Position of survey vessels

Depth contours in meters TAW

Figure 4: Overview of area under investigation: positions vessels & abbreviations

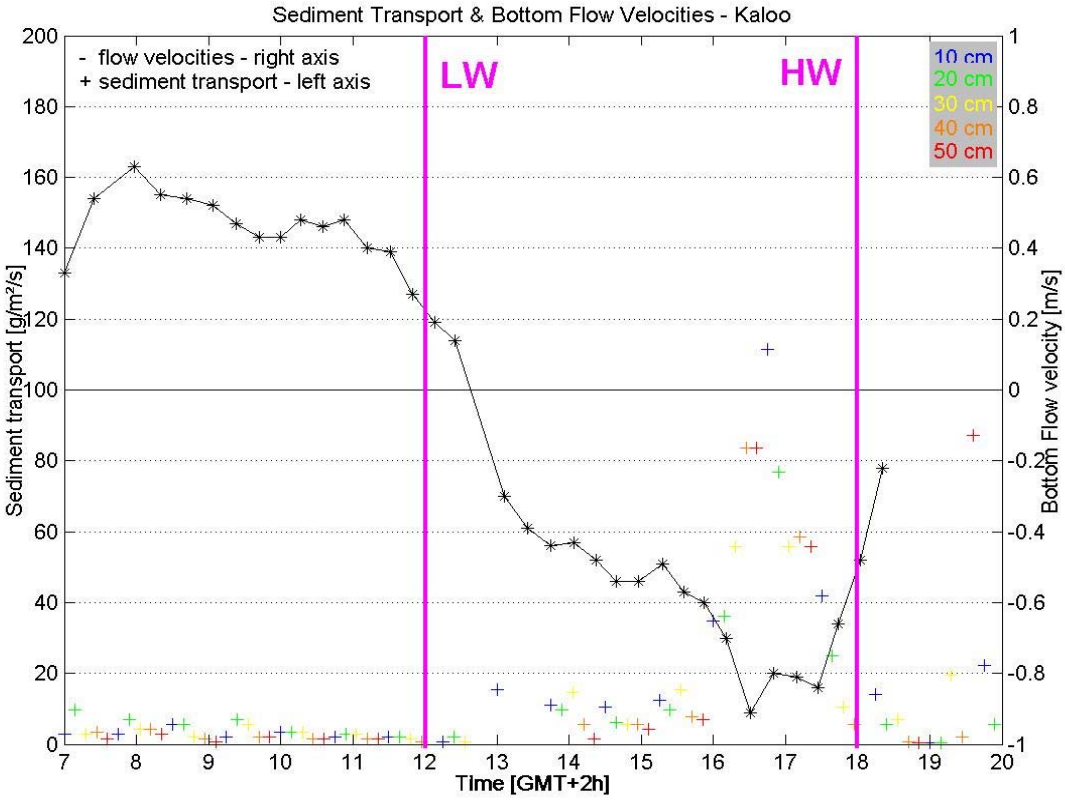


Figure 5: Sediment transport and bottom velocity at MP1 (campaign 03/06/2003)

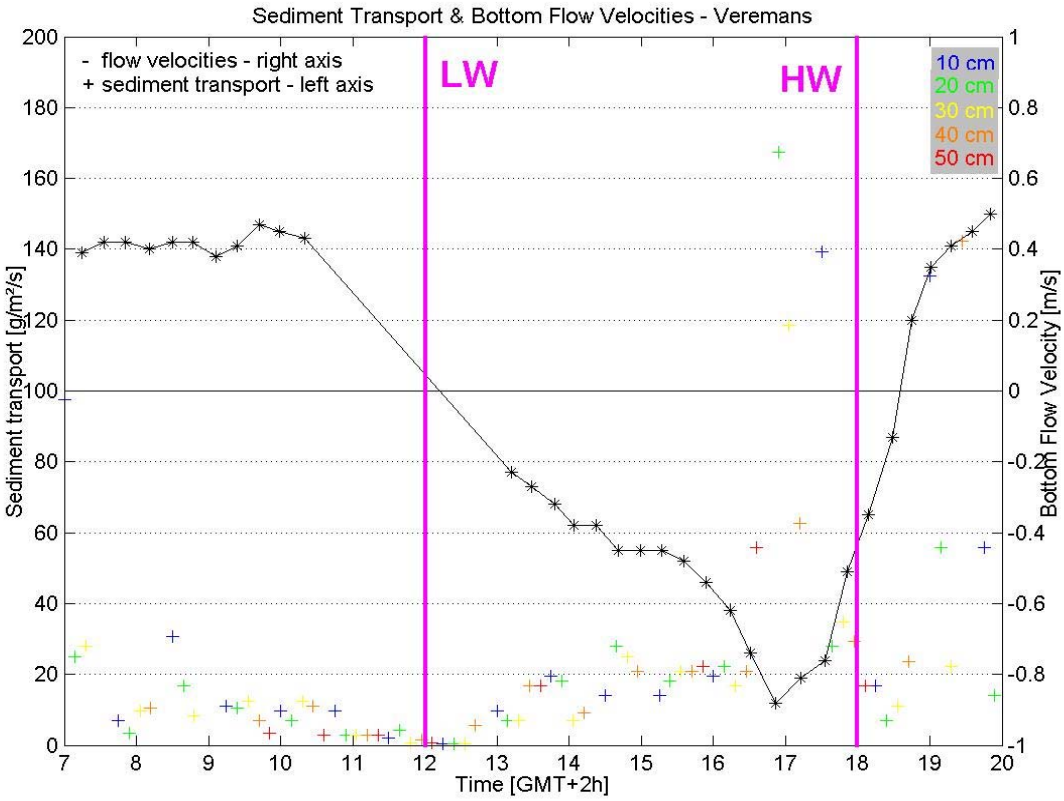


Figure 6: Sediment transport and bottom velocity at MP2 (campaign 03/06/2003)

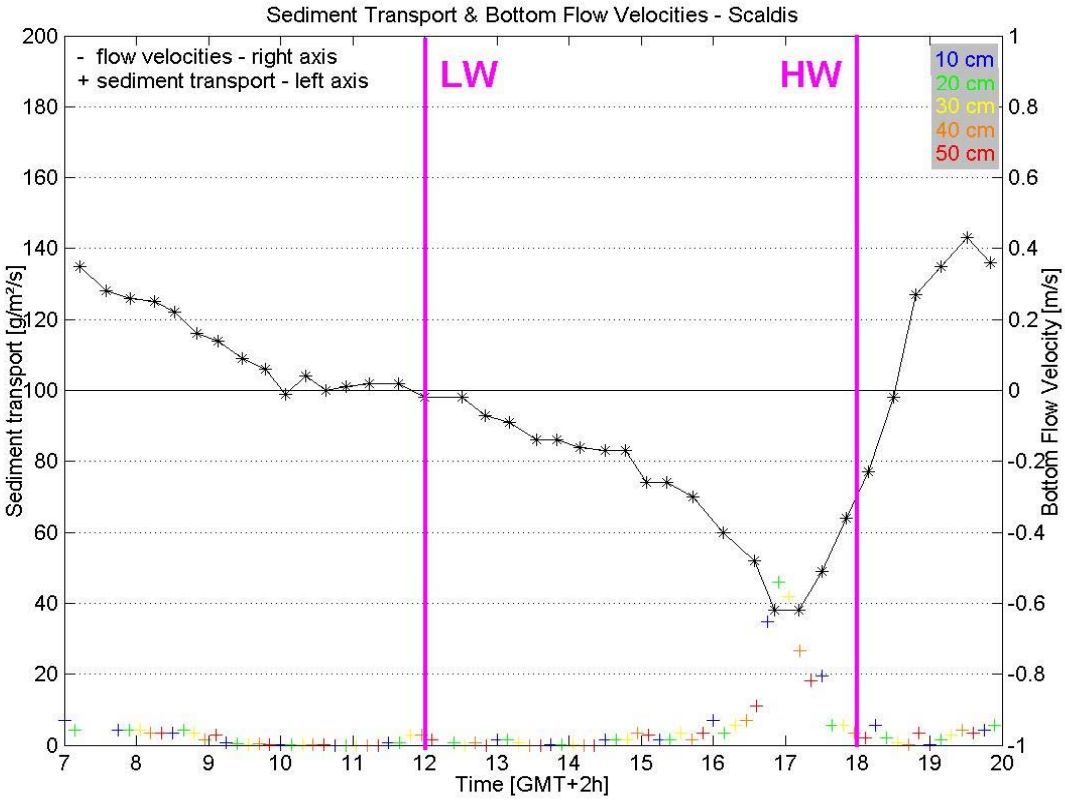


Figure 7: Sediment transport and bottom velocity at MP3 (campaign 03/06/2003)

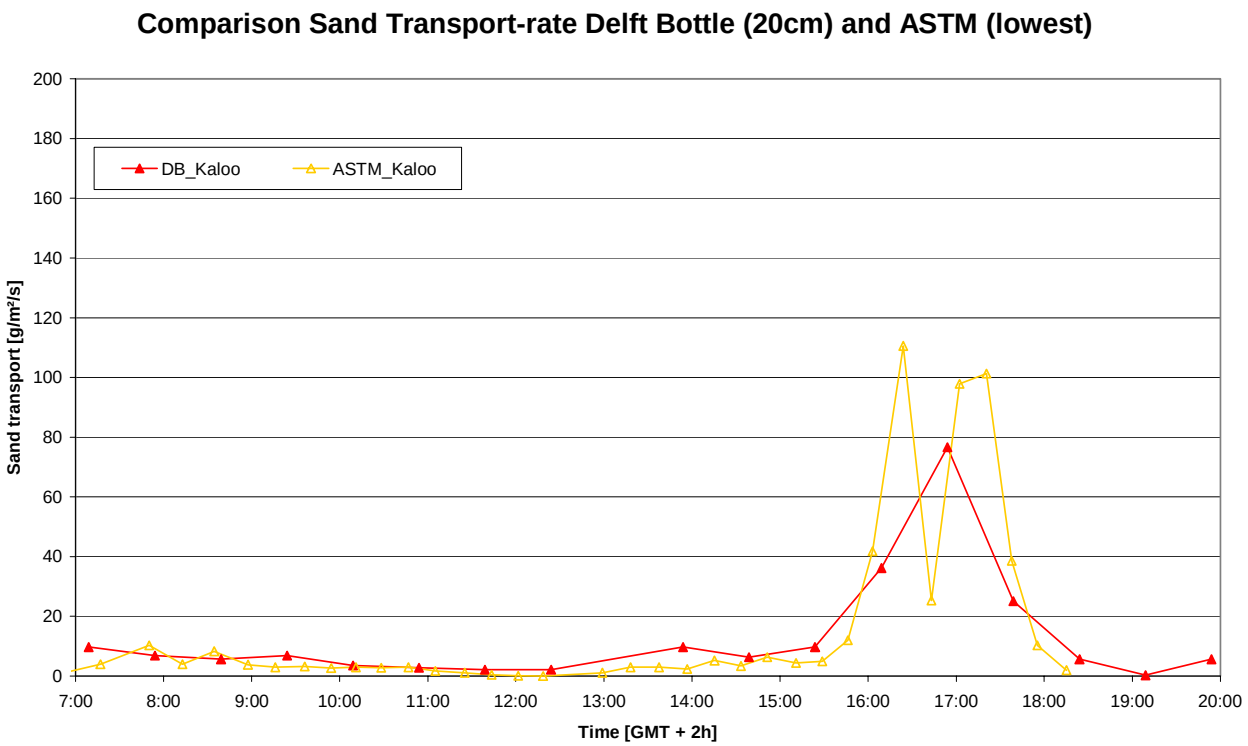


Figure 8: Comparison sediment transport DB12 – ASTM at MP1 (campaign 03/06/2003)

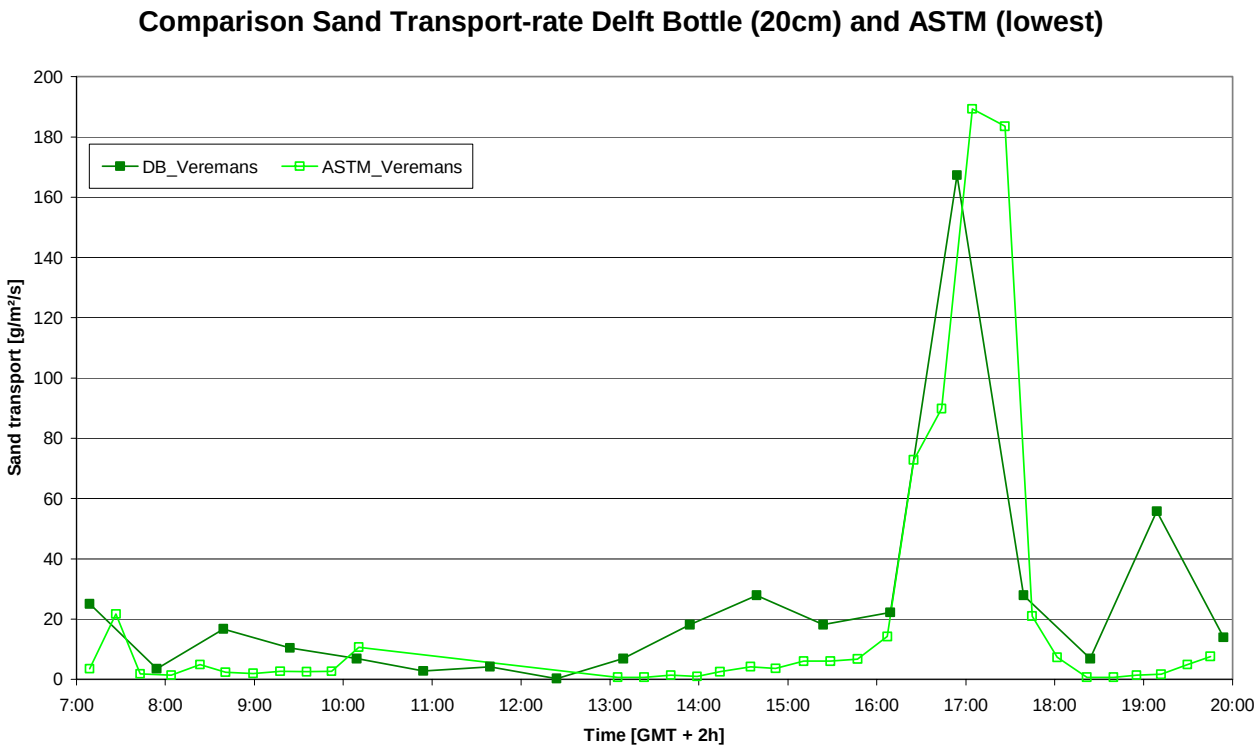


Figure 9: Comparison sediment transport DB12 – ASTM at MP2 (campaign 03/06/2003)

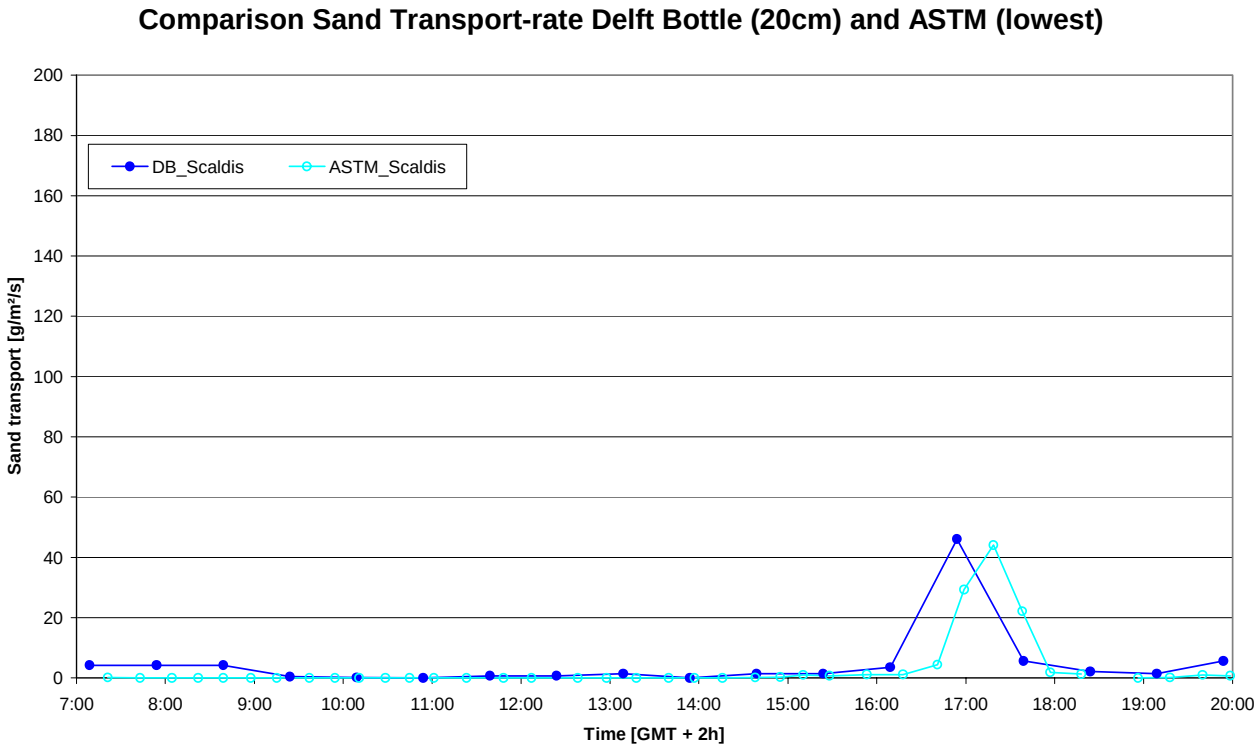


Figure 10: Comparison sediment transport DB12 – ASTM at MP3 (campaign 03/06/2003)

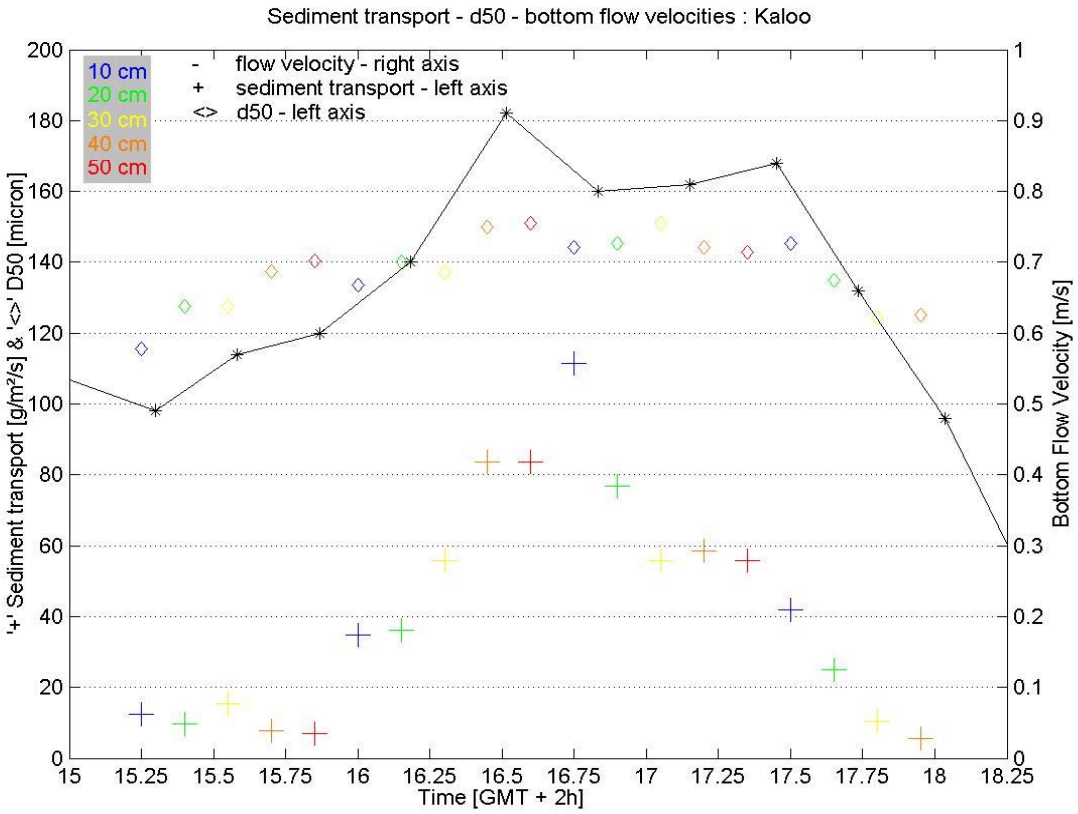


Figure 11: Sediment transport, bottom velocity and d50 at MP1 (campaign 03/06/2003)

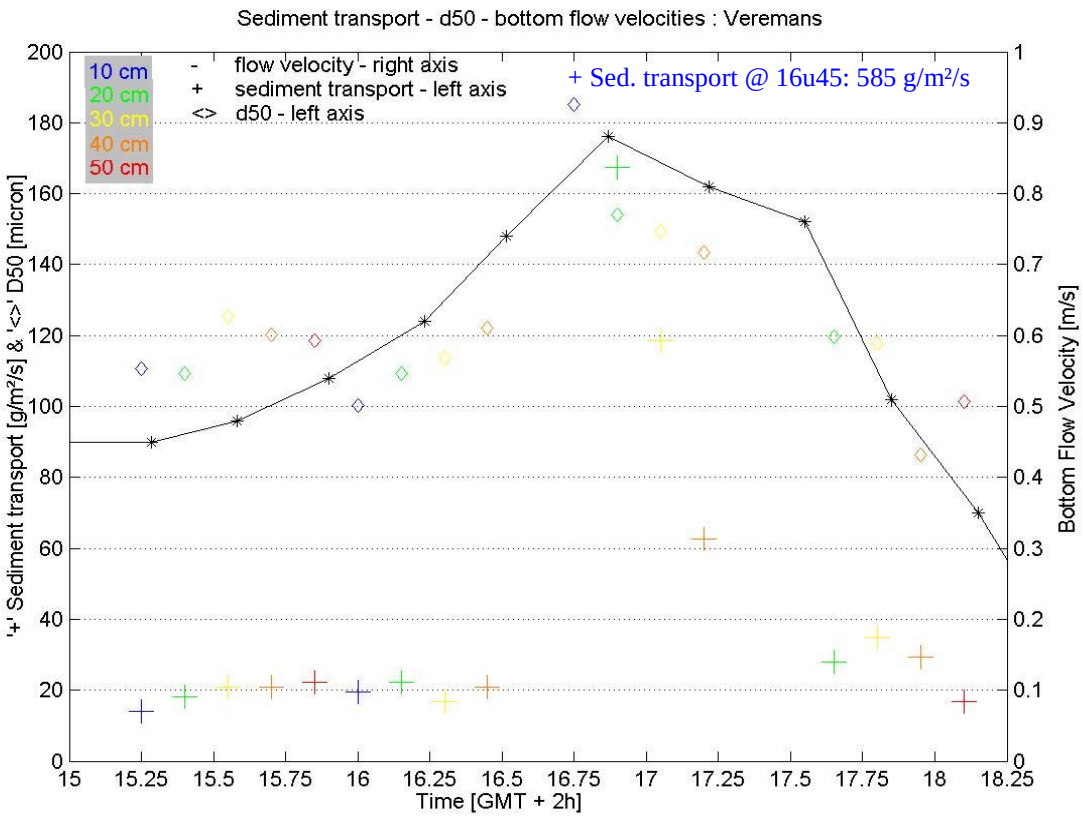


Figure 12: Sediment transport, bottom velocity and d50 at MP2 (campaign 03/06/2003)

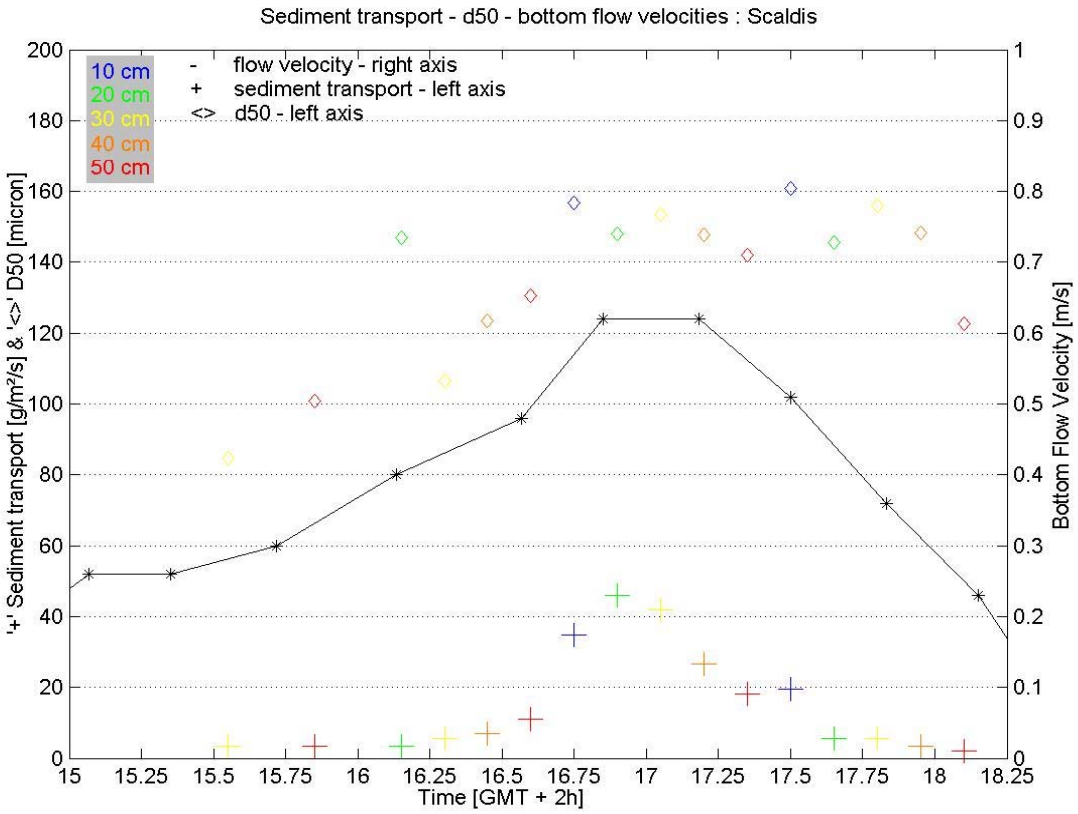


Figure 13: Sediment transport, bottom velocity and d50 at MP3 (campaign 03/06/2003)

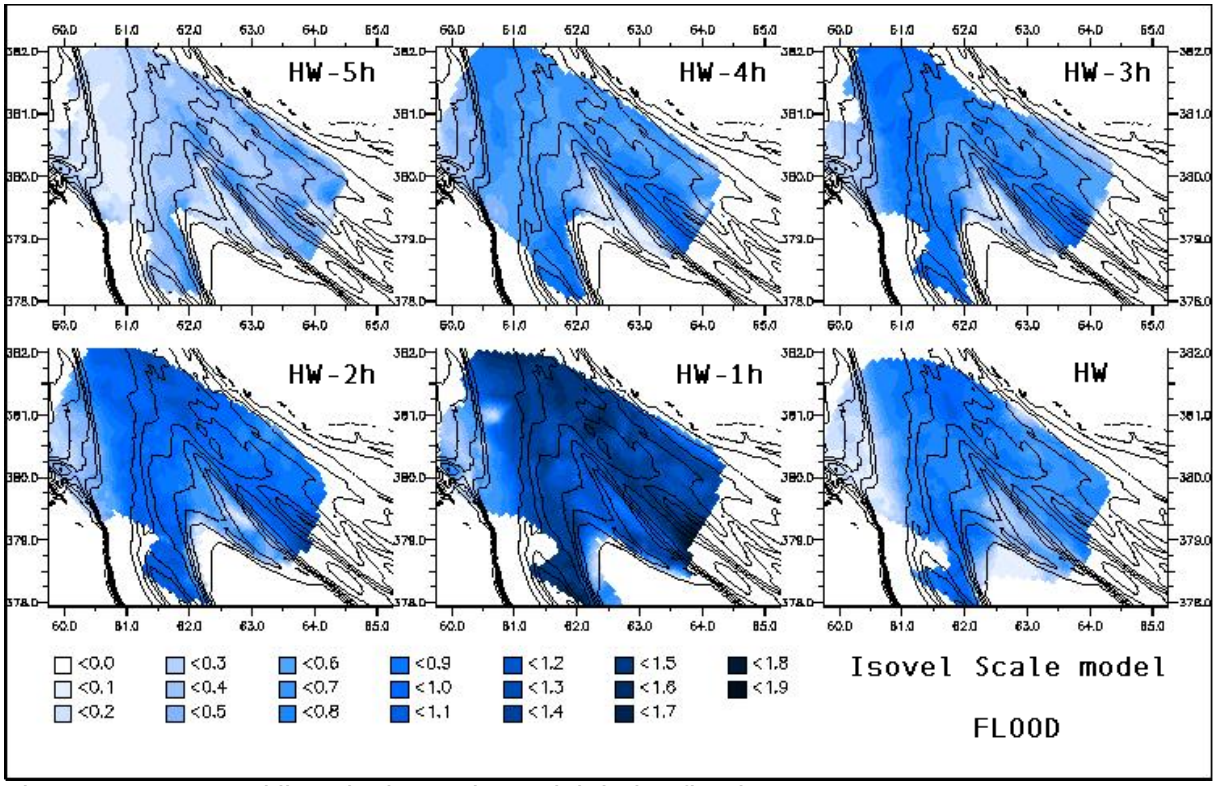


Figure 14: Isovel lines in the scale model during flood

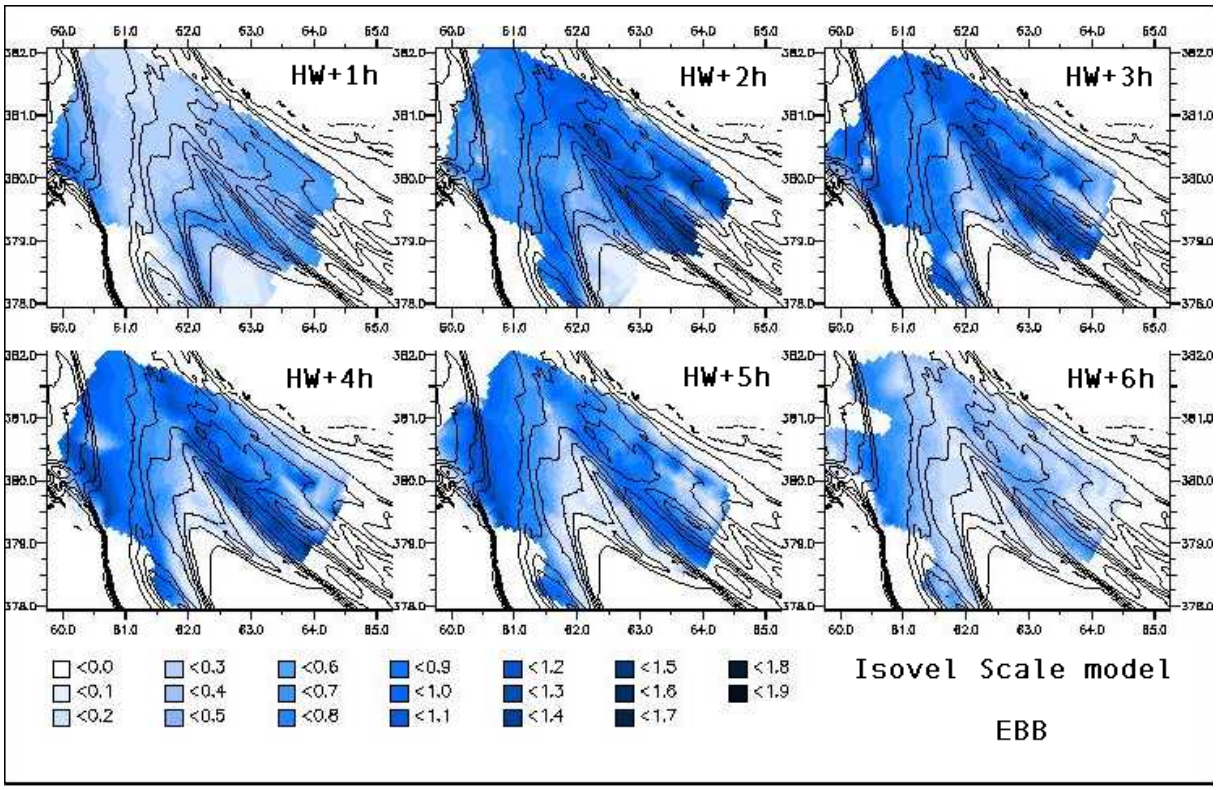


Figure 15: Isovel lines in the scale model during ebb

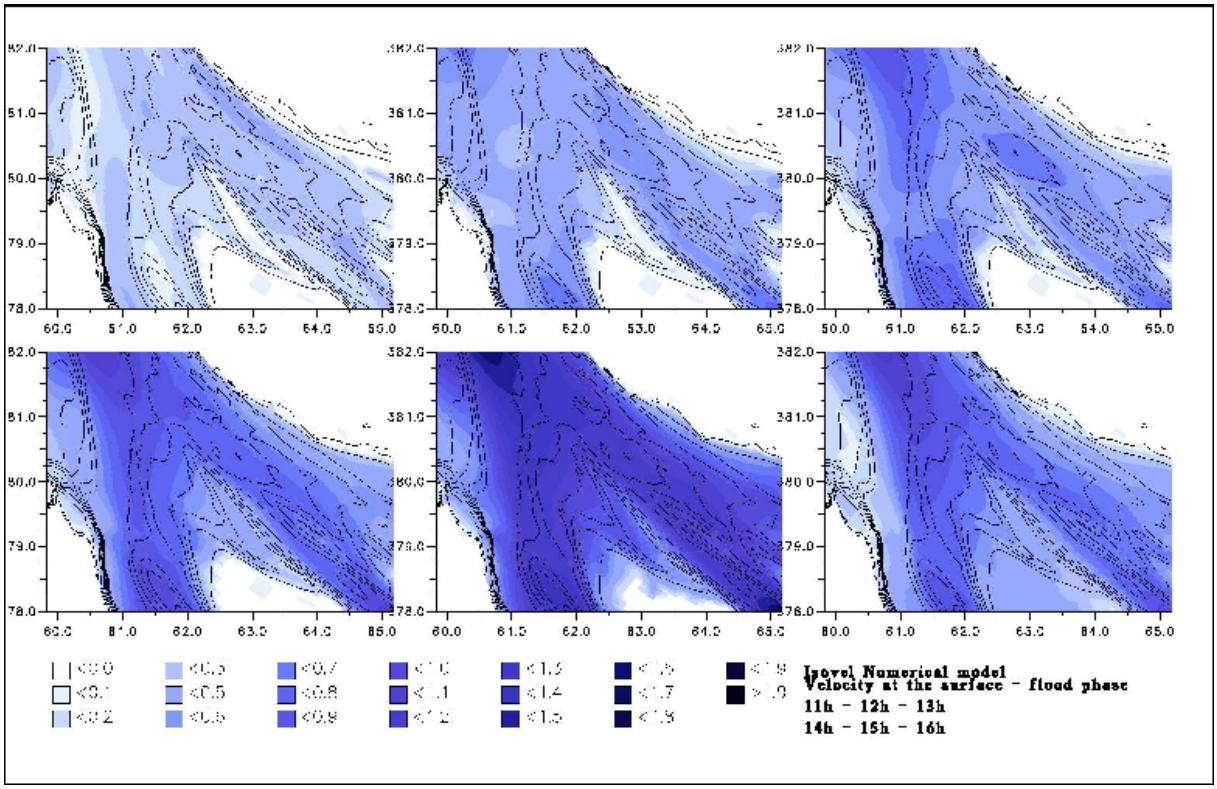


Figure 16: Isovel lines in the numerical model during flood

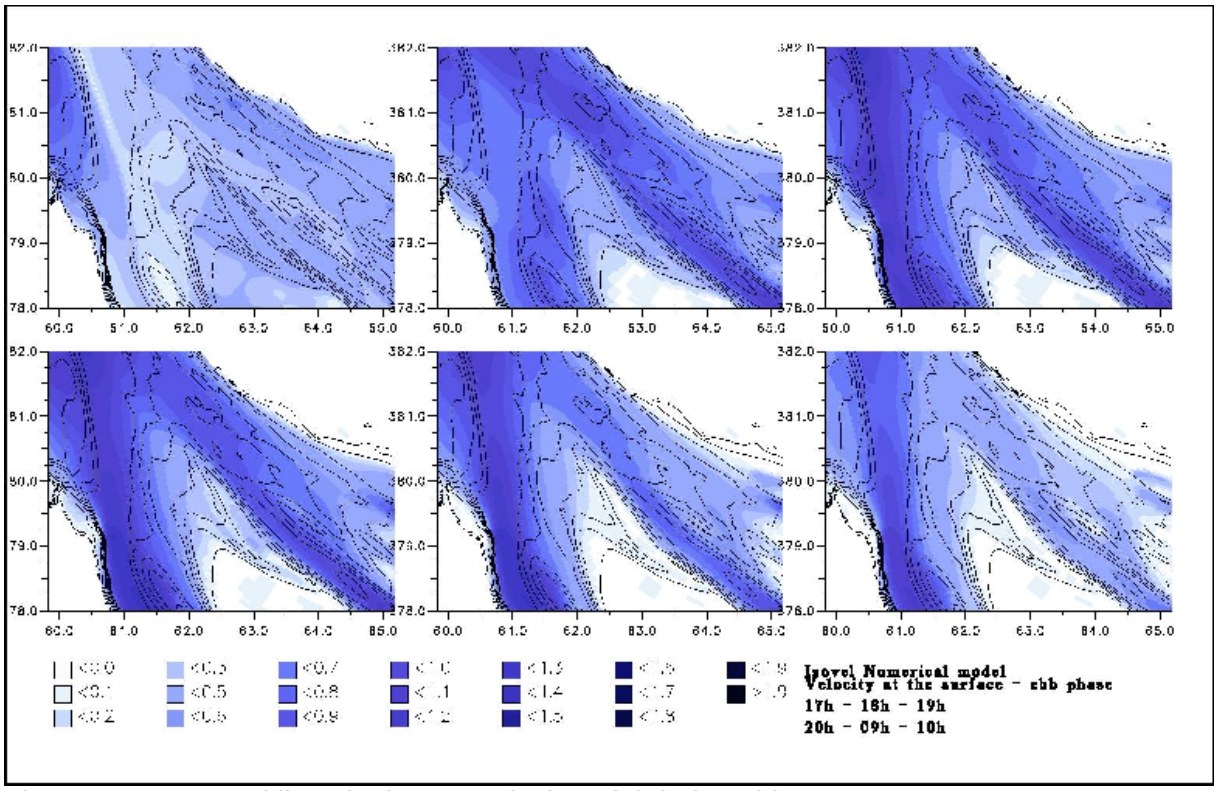


Figure 17: Isovel lines in the numerical model during ebb

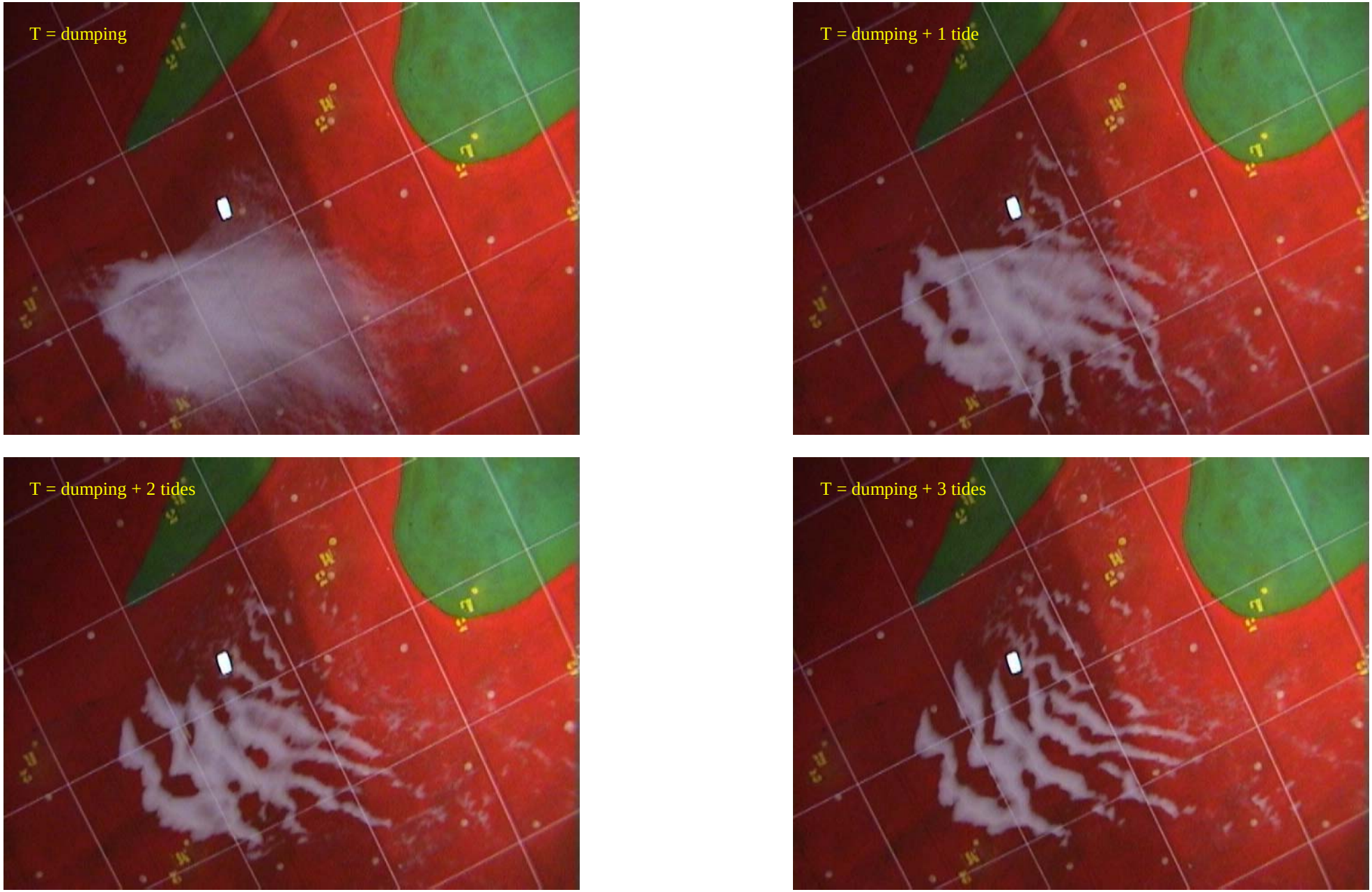


Figure 18: Preliminary tests with movable sediment in the physical scale model (4 tidal cycles)

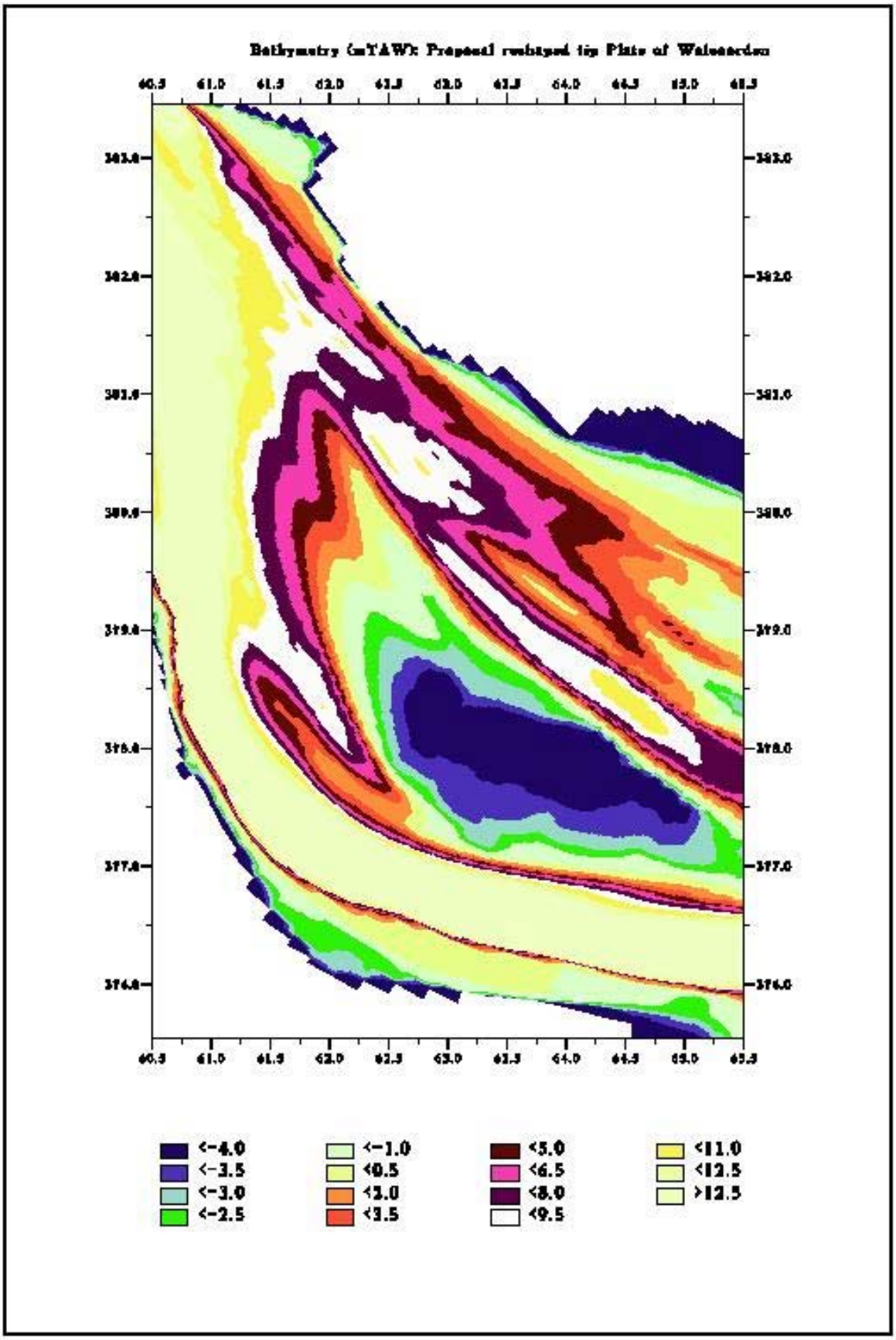


Figure 19: Preliminary prediction of the shape of the Walsoorden sandbar