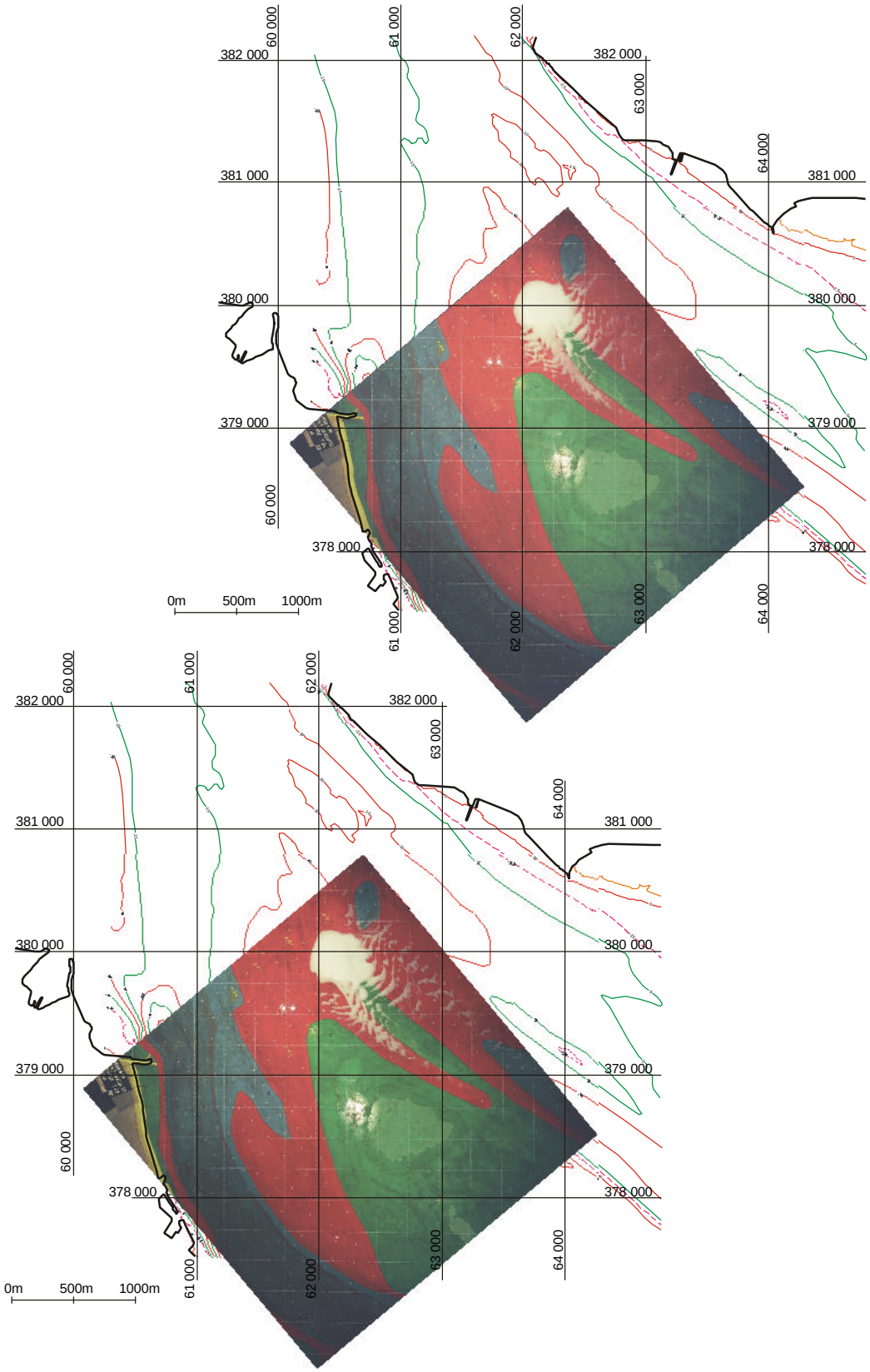


Alternative dumping strategy
Results of physical and numerical modelling

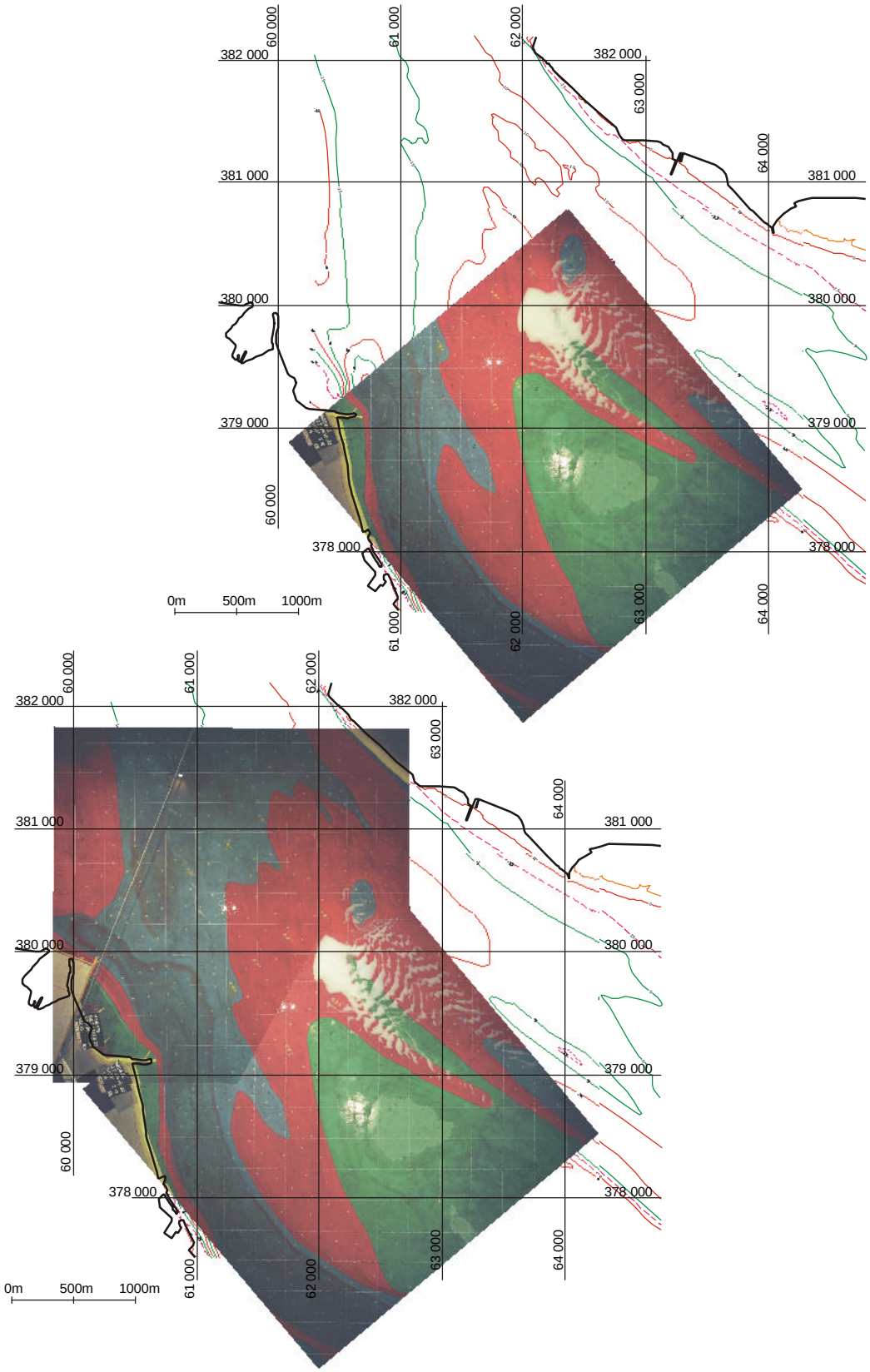
Dumping Location R2-R3 (experiment 307).
Tides 4 and 7

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 062

MODEL 678/1



Alternative dumping strategy
Results of physical and numerical modelling

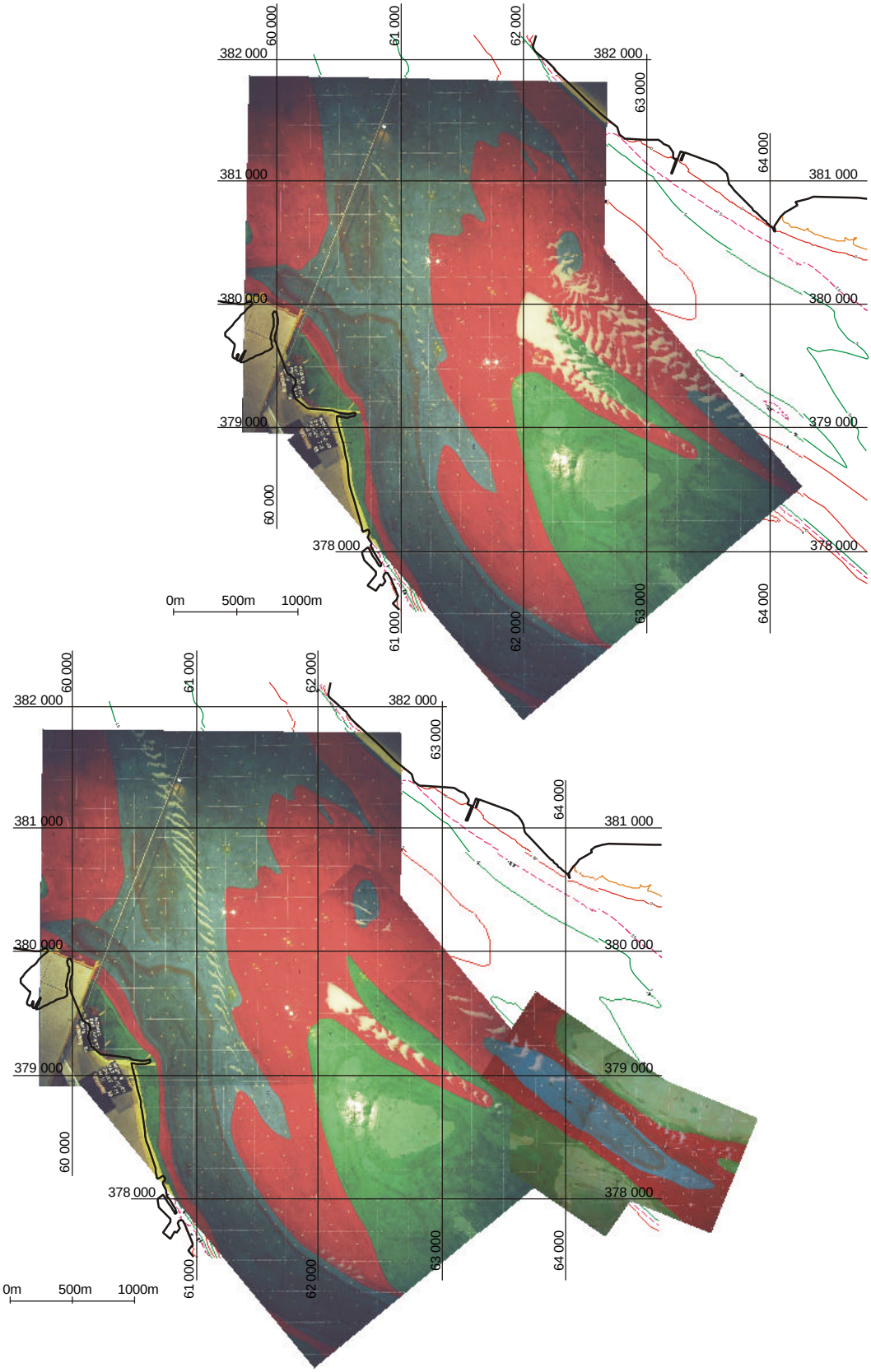
Dumping location R2-R3 (experiment 307).
Tides 10 and 13

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 063

MODEL 678/1



Alternative dumping strategy
Results of physical and numerical modelling

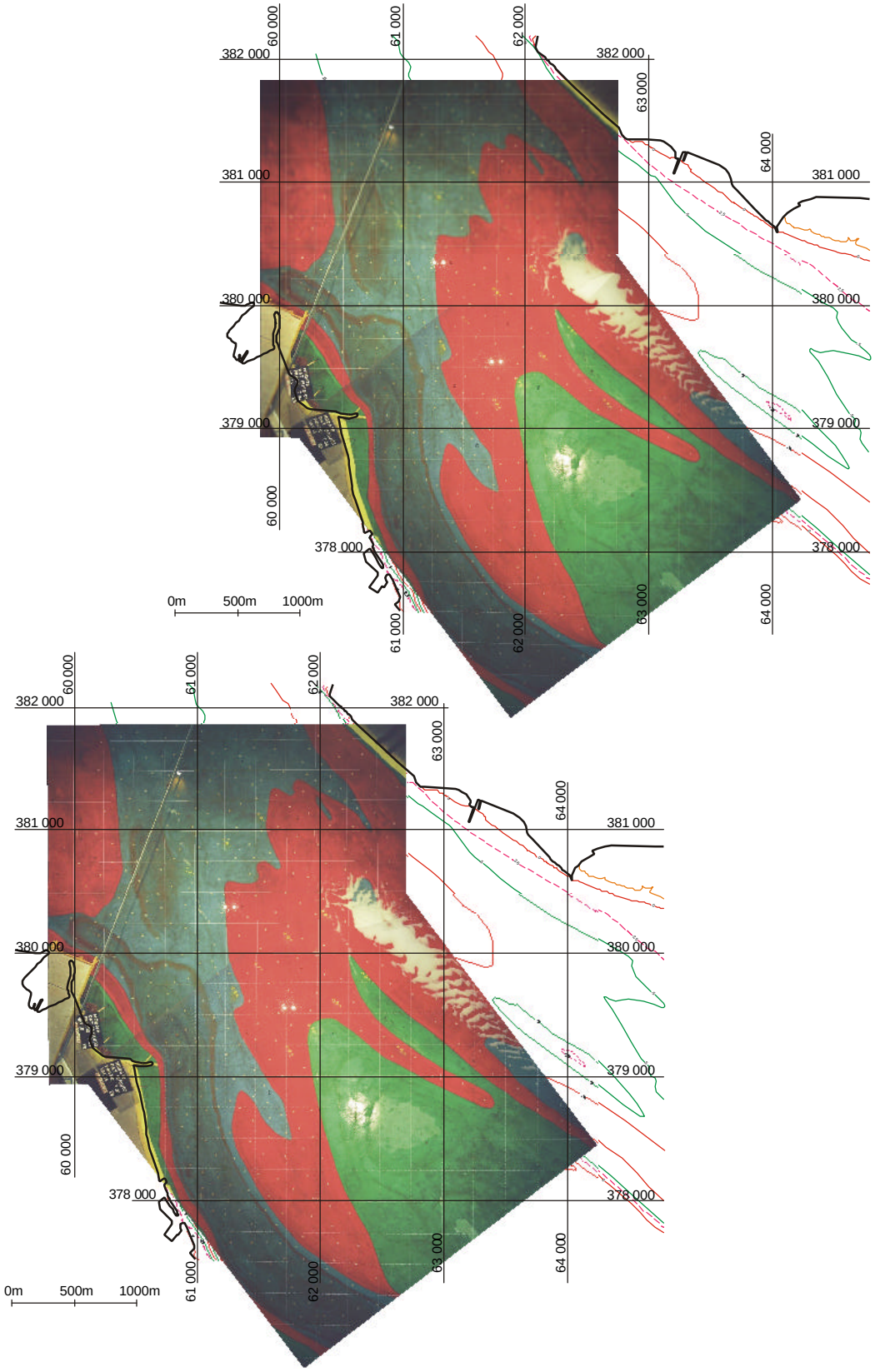
Dumping location R2-R3 (experiment 307).
Tides 16 and 73

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 064

MODEL 678/1



Alternative dumping strategy
Results of physical and numerical modelling

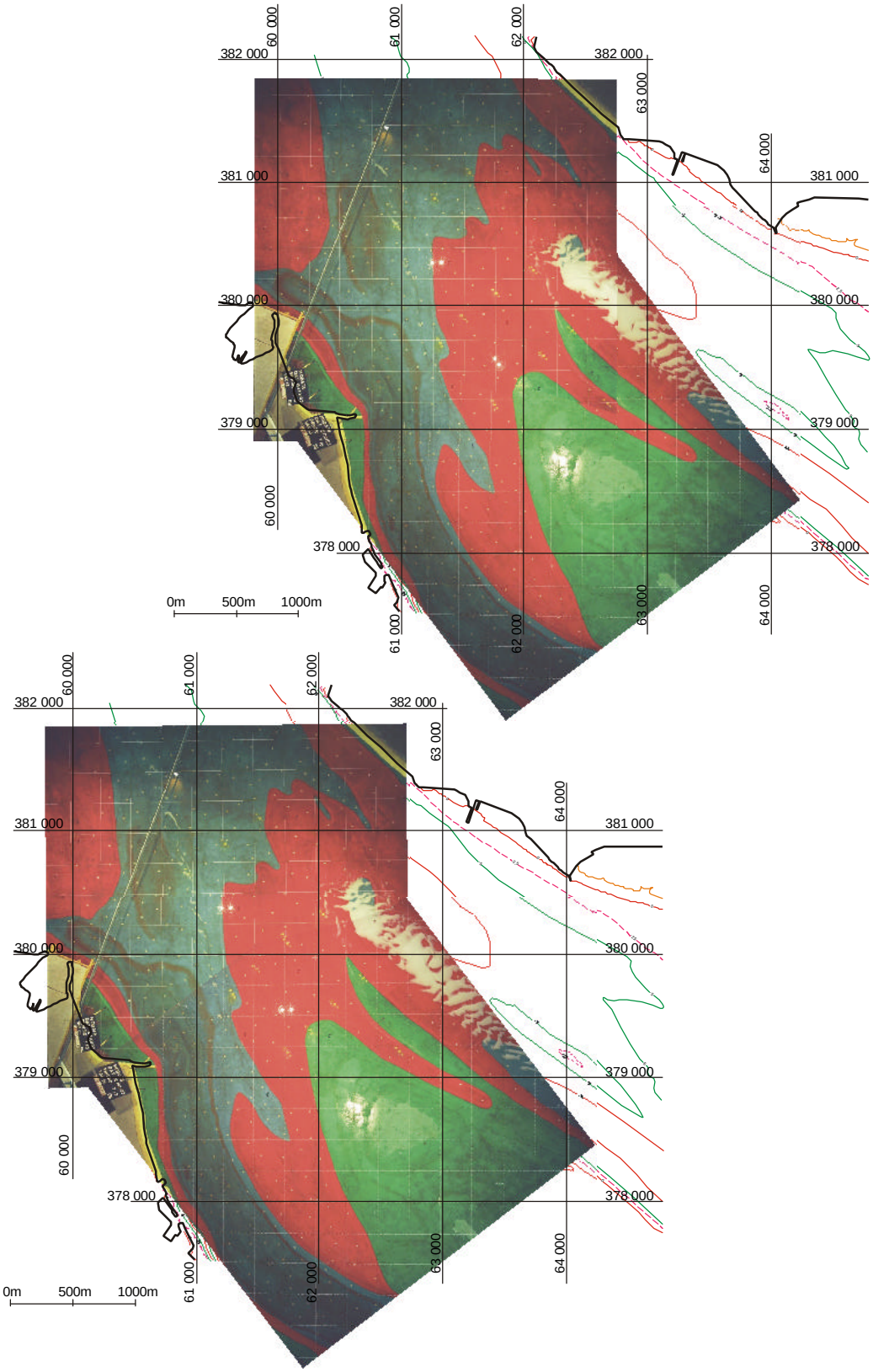
Dumping location as used near the 'Schaar van Waarde' before 1995.
Tides 4 and 7

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 065

MODEL 678/1



Alternative dumping strategy
Results of physical and numerical modelling

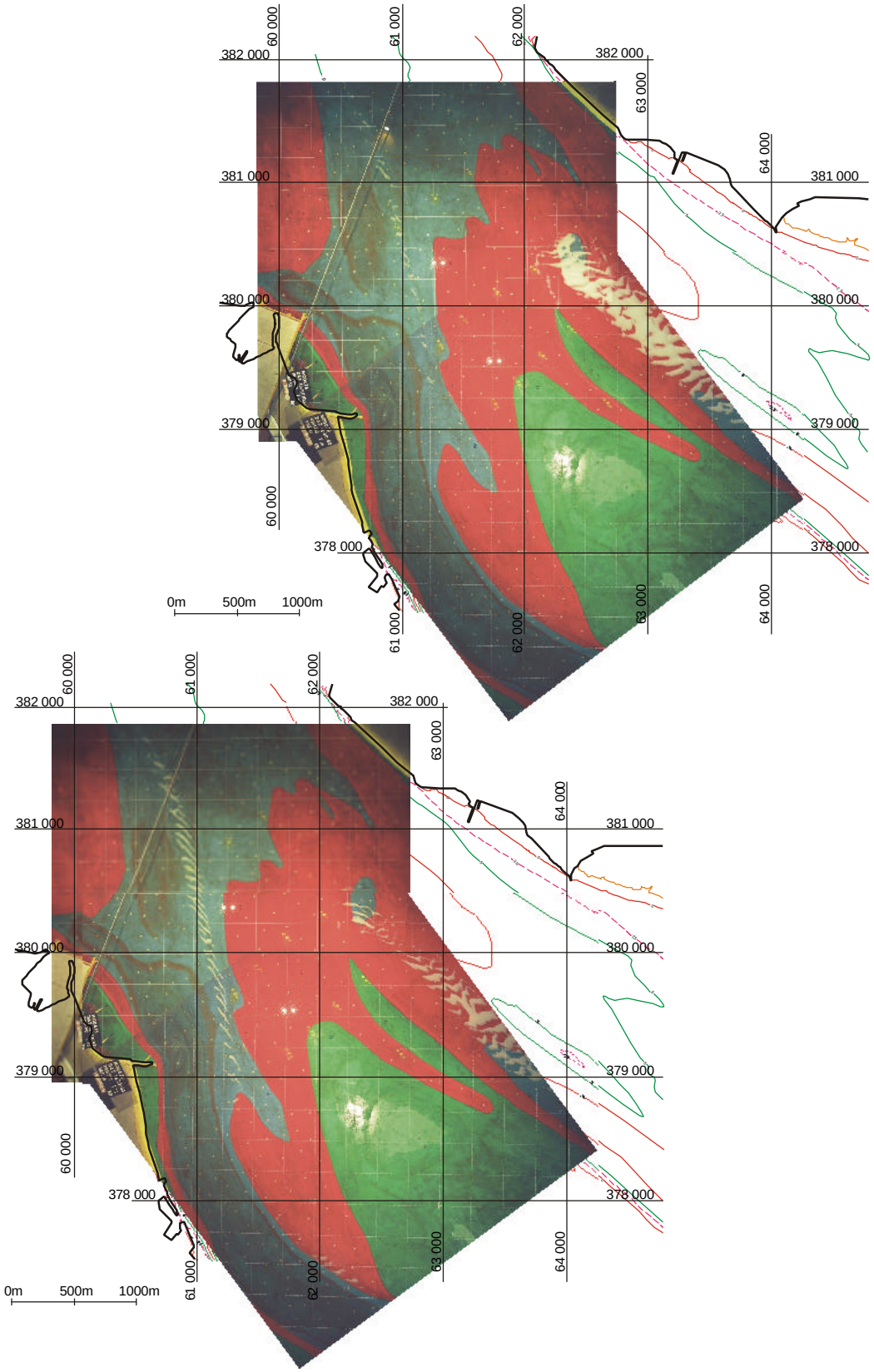
Dumping location as used near the 'Schaar van Waarde' before 1995.
Tides 10 and 13

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 066

MODEL 678/1



Alternative dumping strategy
Results of physical and numerical modelling

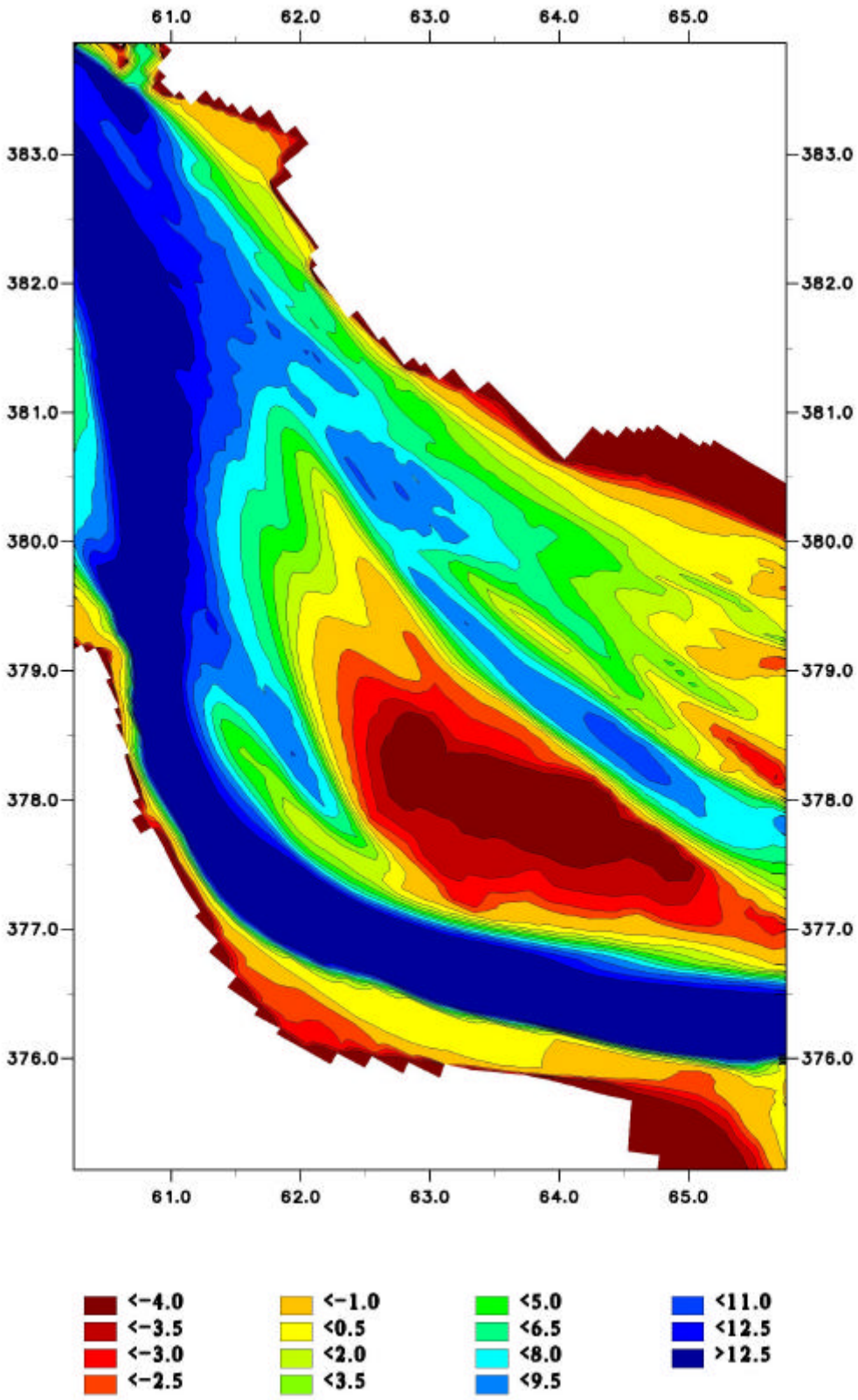
Dumping location as used near the 'Schaar van Waarde' before 1995.
Tides 16 and 73

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

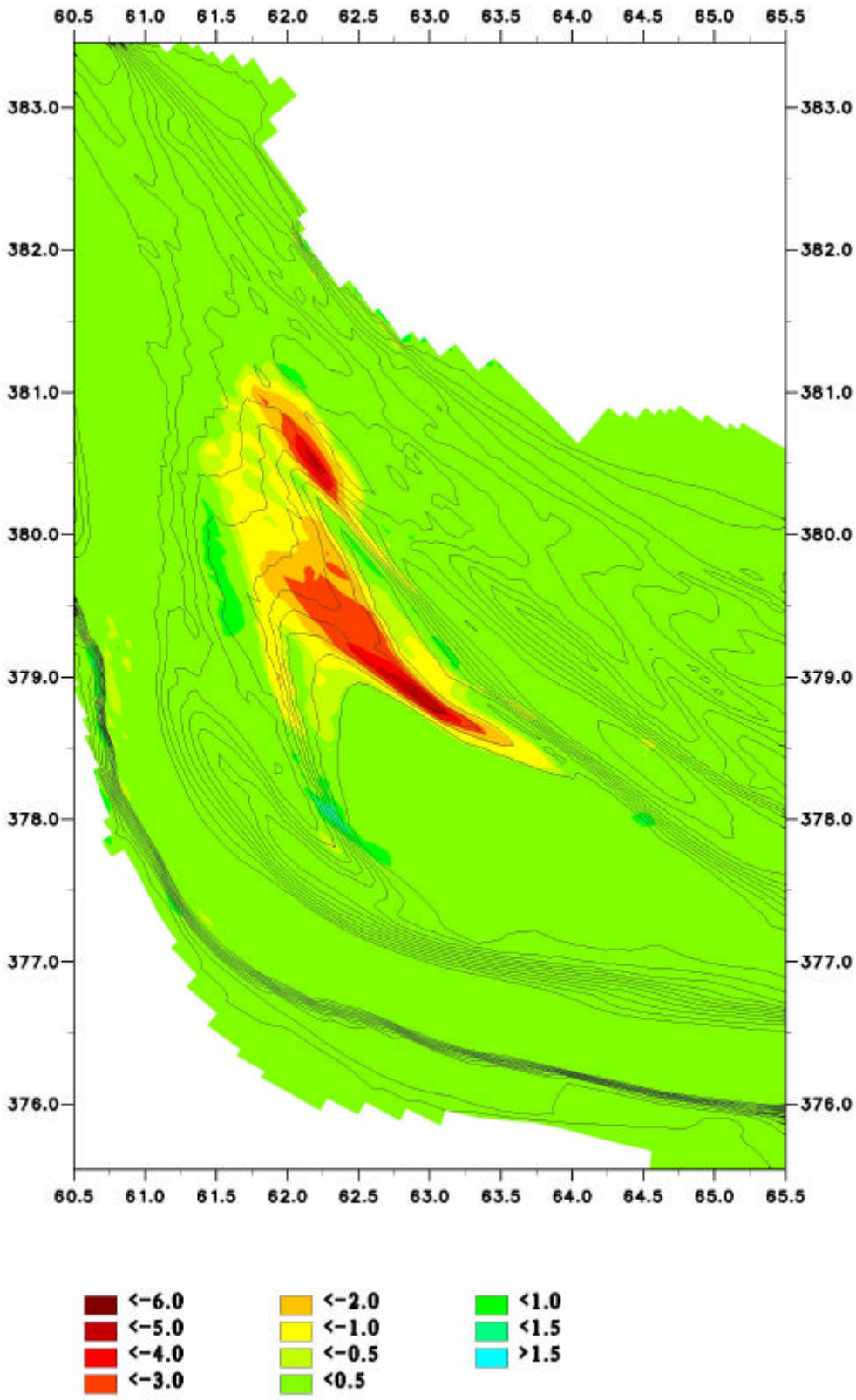
Figure 067

MODEL 678/1



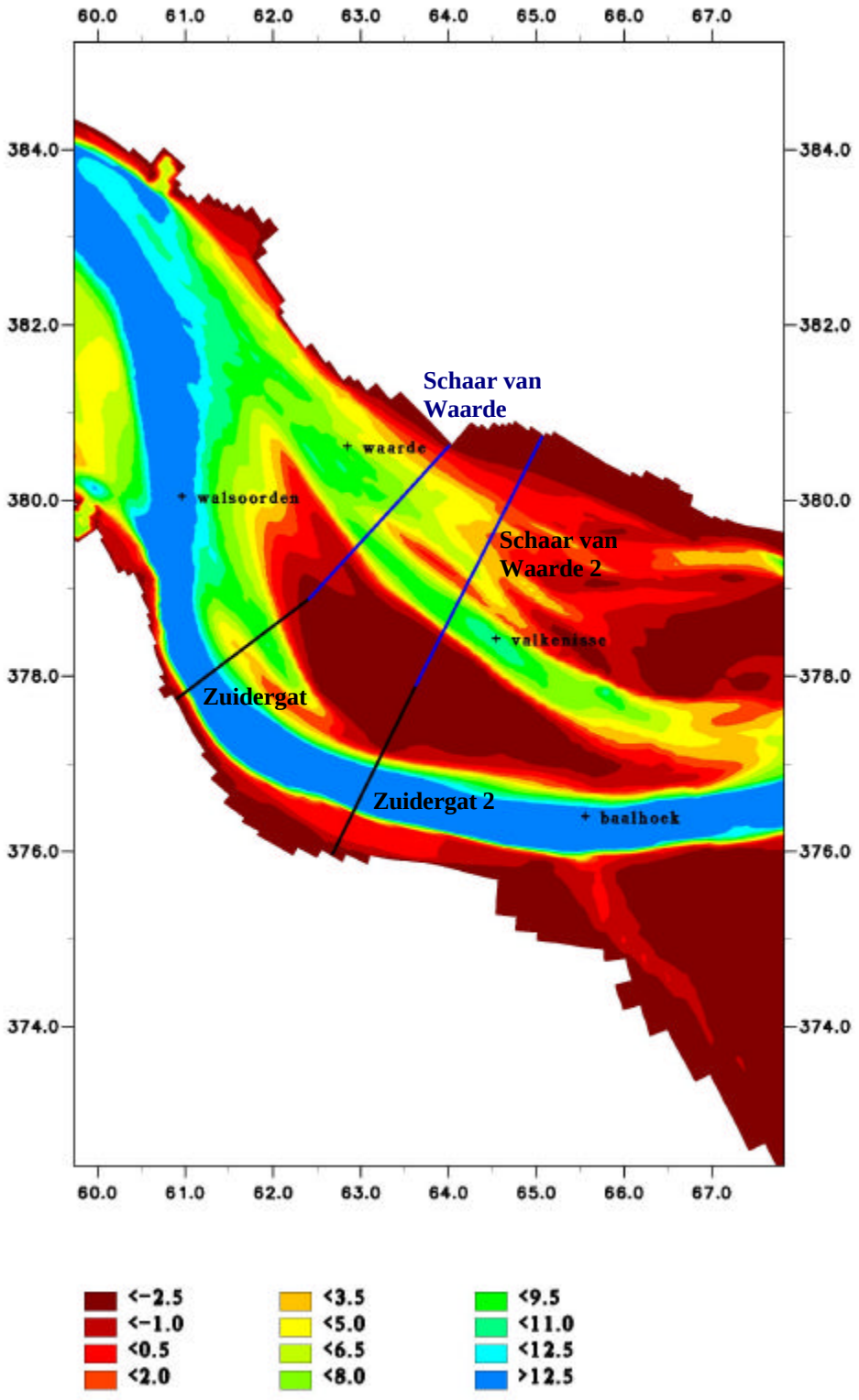
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Proposal for the shape of the plate of Walsoorden.

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 068	**MODEL 678/1**



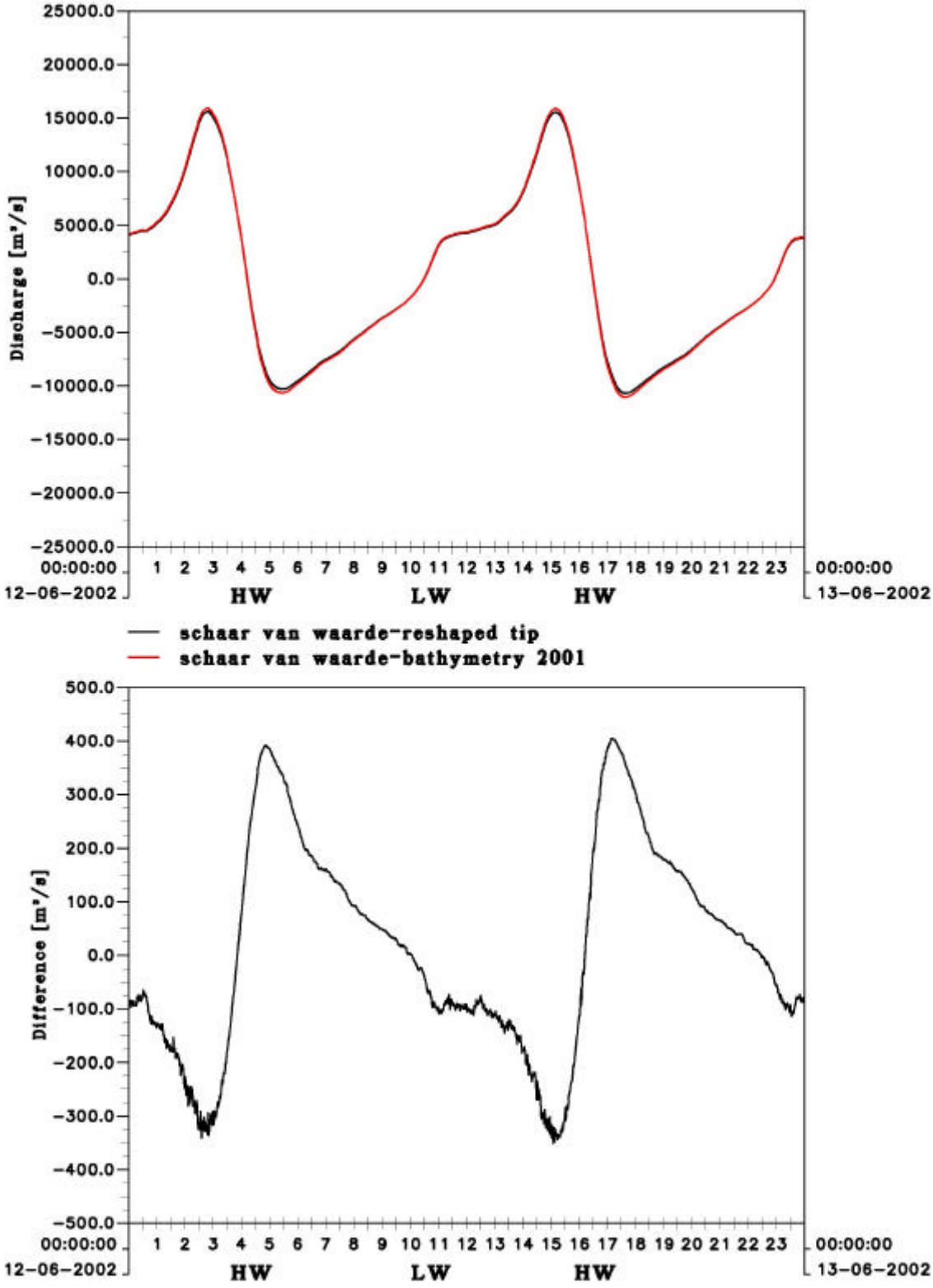
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Difference between expected and present bathymetry. (negative difference: dumping of material)

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 069	**MODEL 678/1**



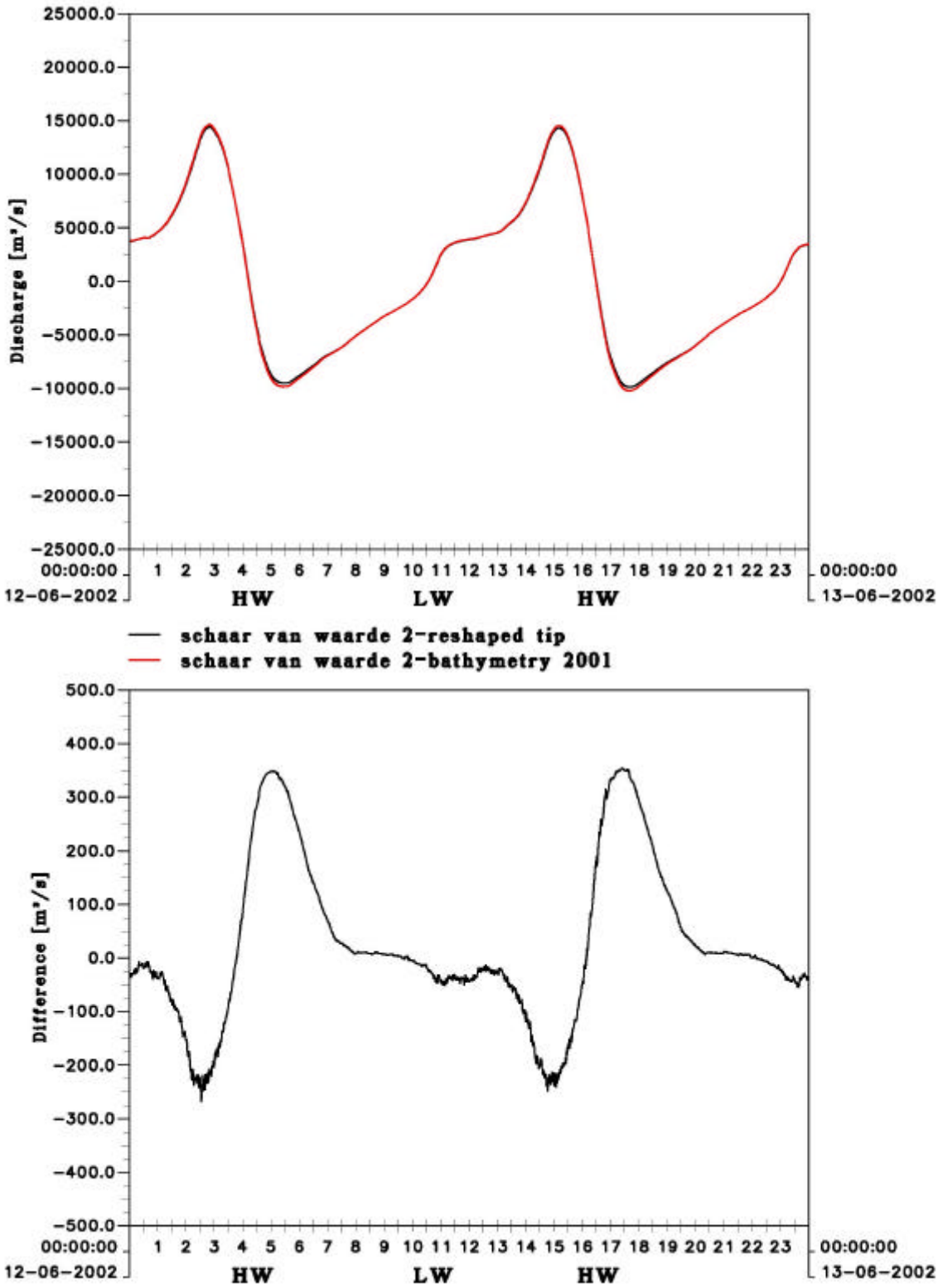
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy Overview of transects and points used for the comparison.

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 070	**MODEL 678/1**



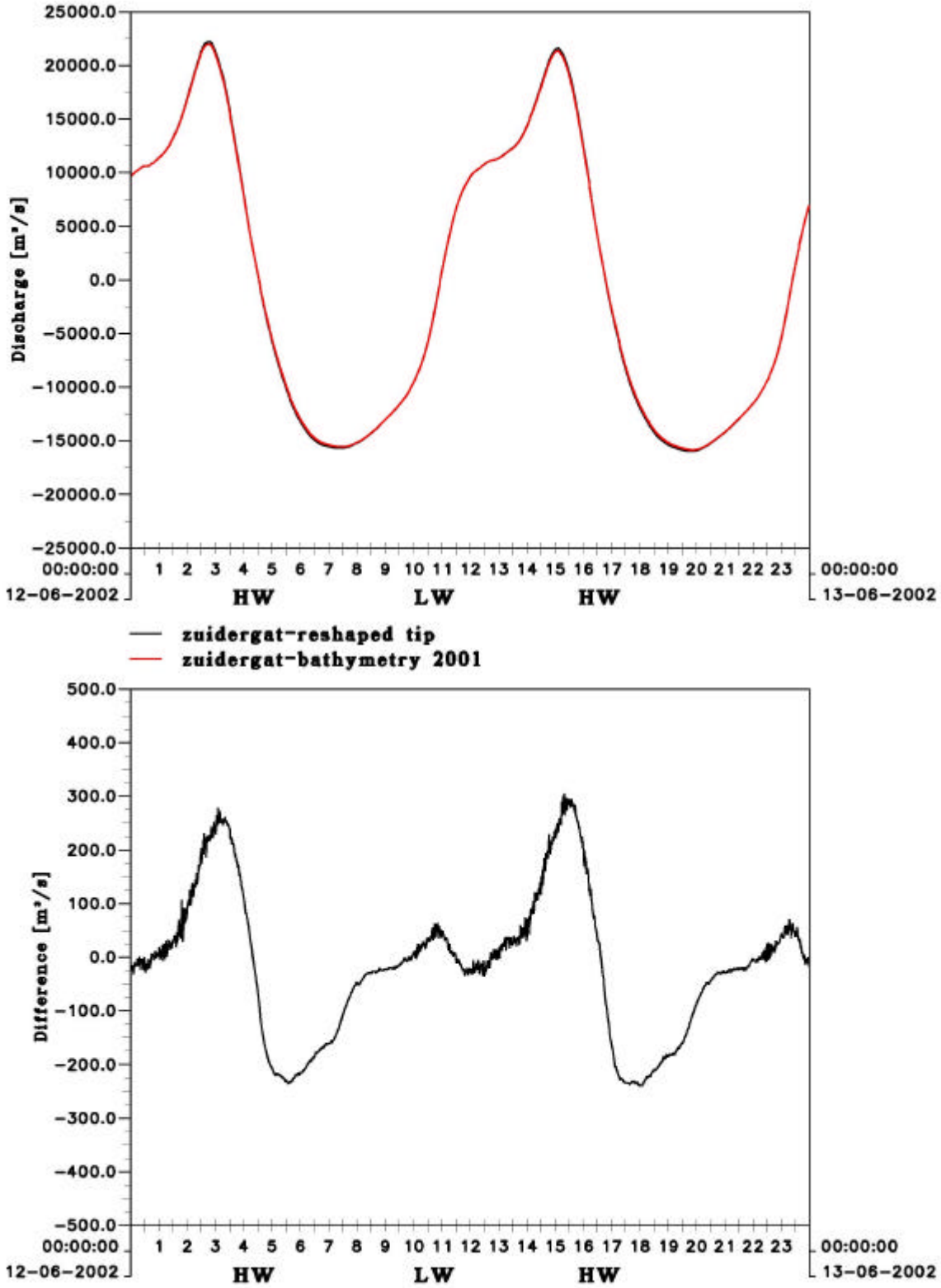
Alternative dumping strategy **Results of physical and numerical modelling**	Effects of alternative dumping strategy. Dicharge through transect Schaar van Waarde (above). Difference in discharge between expected and present situation (below)

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 071	**MODEL 678/1**



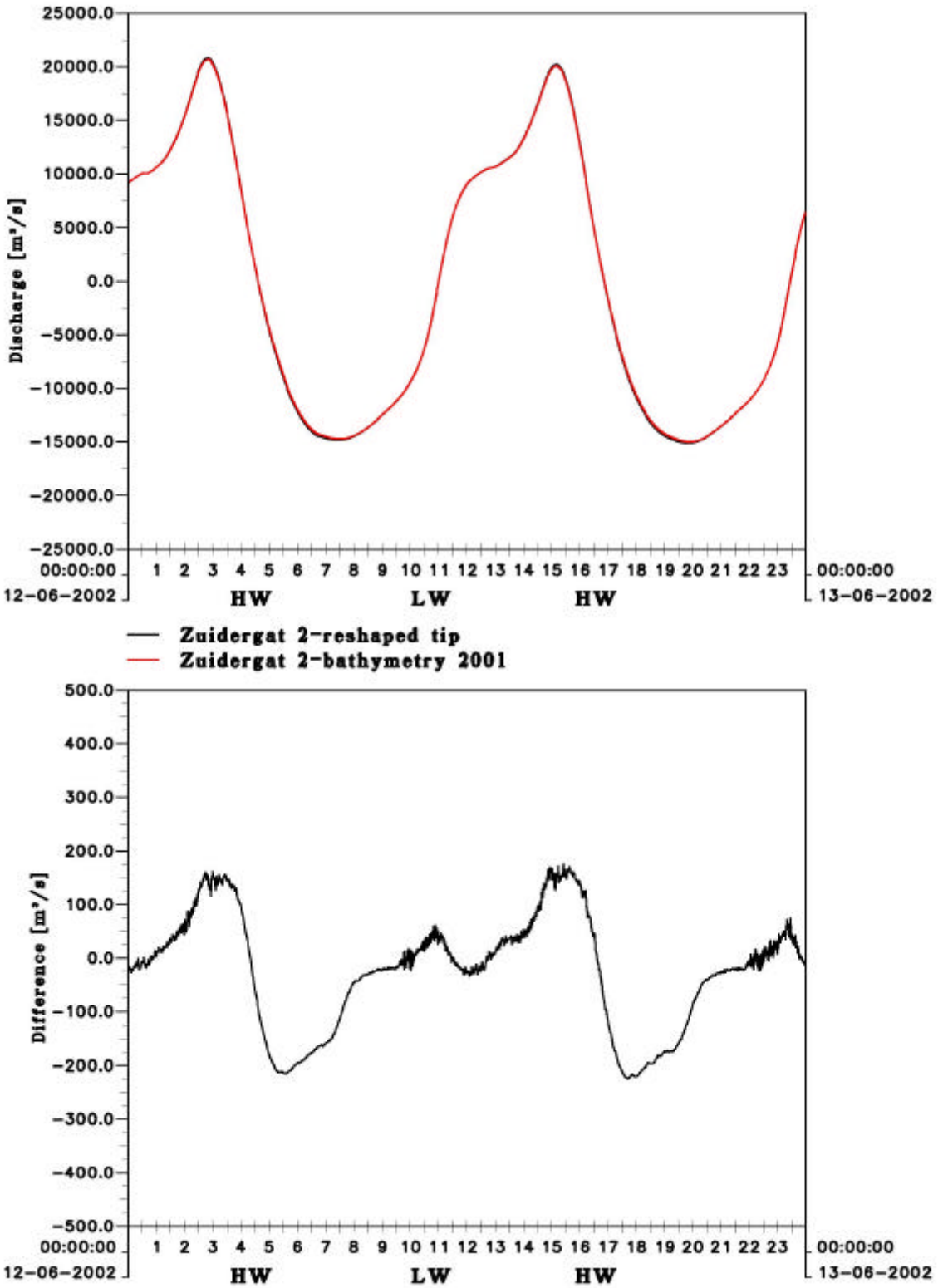
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Dicharge through transect Schaar van Waarde 2 (above). Difference in discharge between expected and present situation (below).

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 072	**MODEL 678/1**



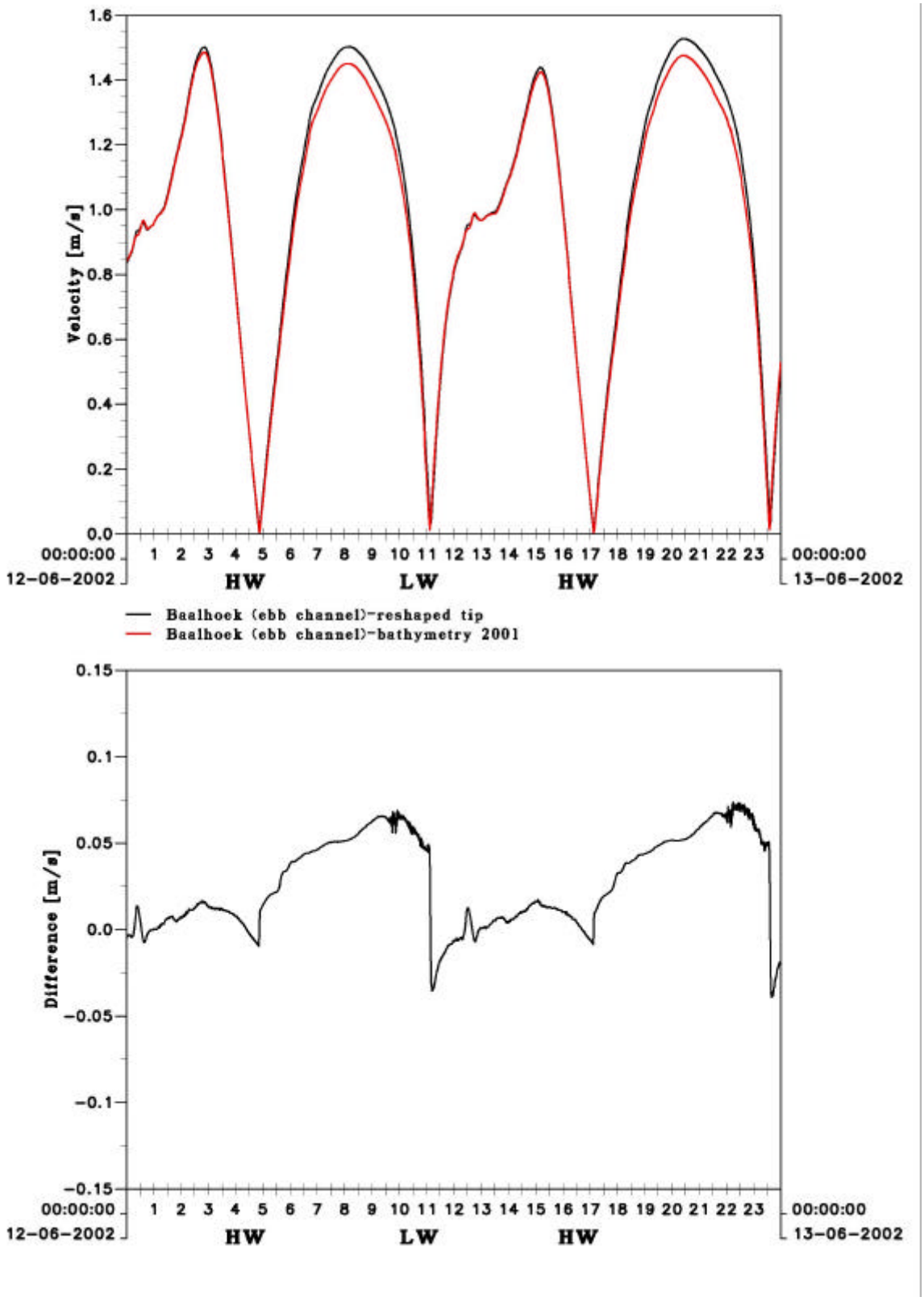
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Dicharge through transect Zuidergat (above). Difference in discharge between expected and present situation (below).

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 073	**MODEL 678/1**



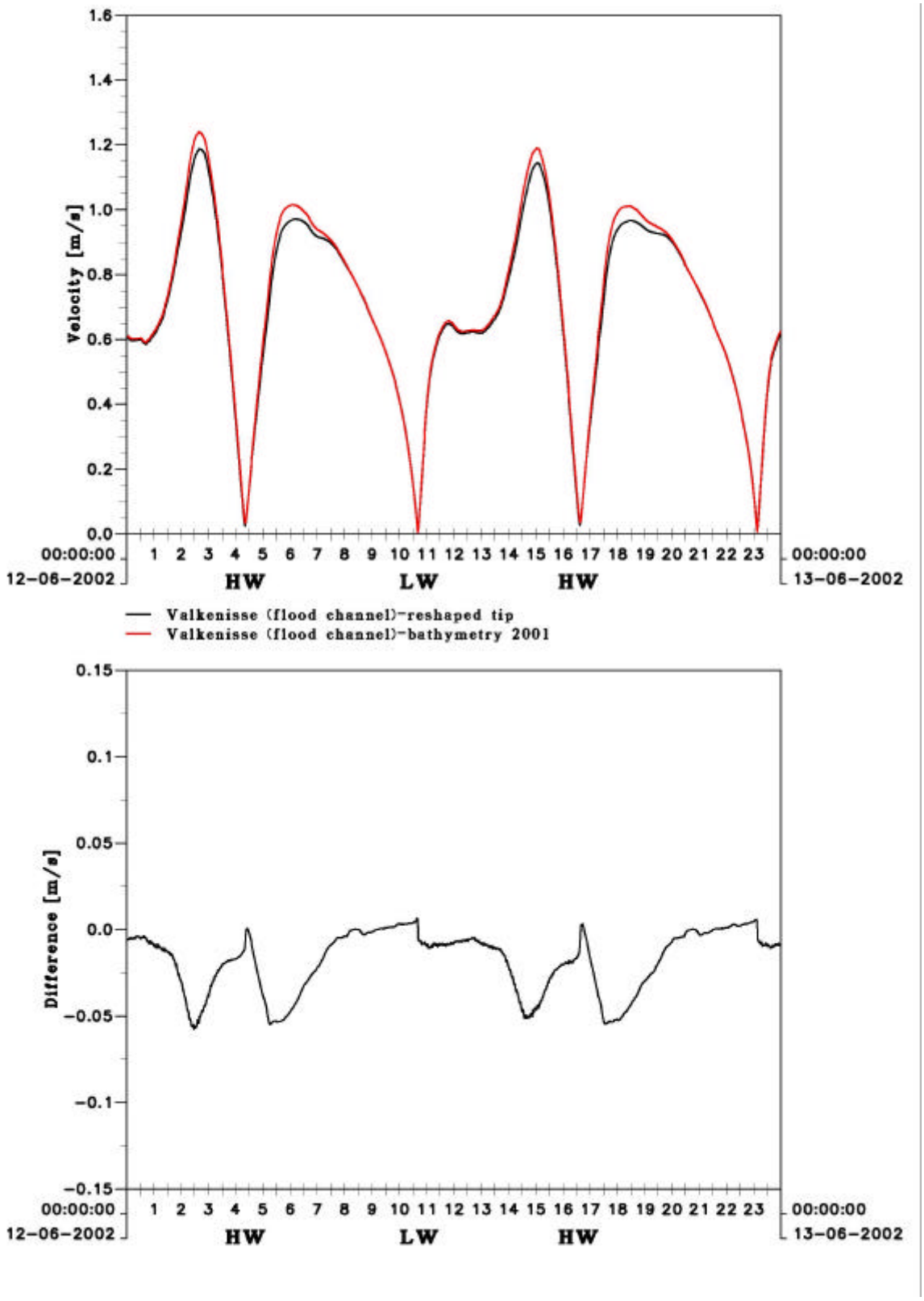
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Dicharge through transect Zuidergat 2 (above). Difference in discharge between expected and present situation (below).

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 074	**MODEL 678/1**



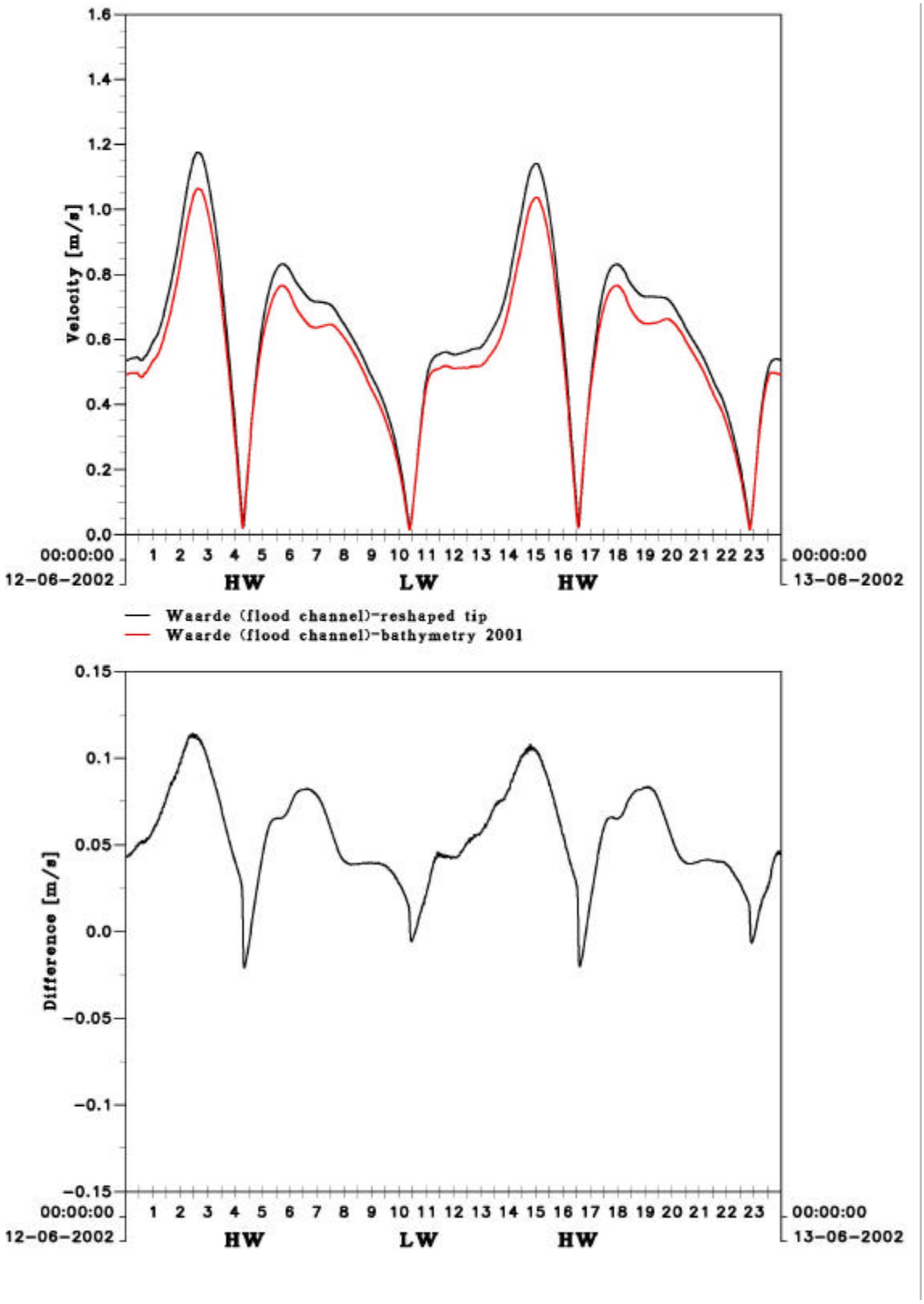
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Velocity at location Baalhoek (above). Difference in velocity between expected and present situation (below).

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 075	**MODEL 678/1**



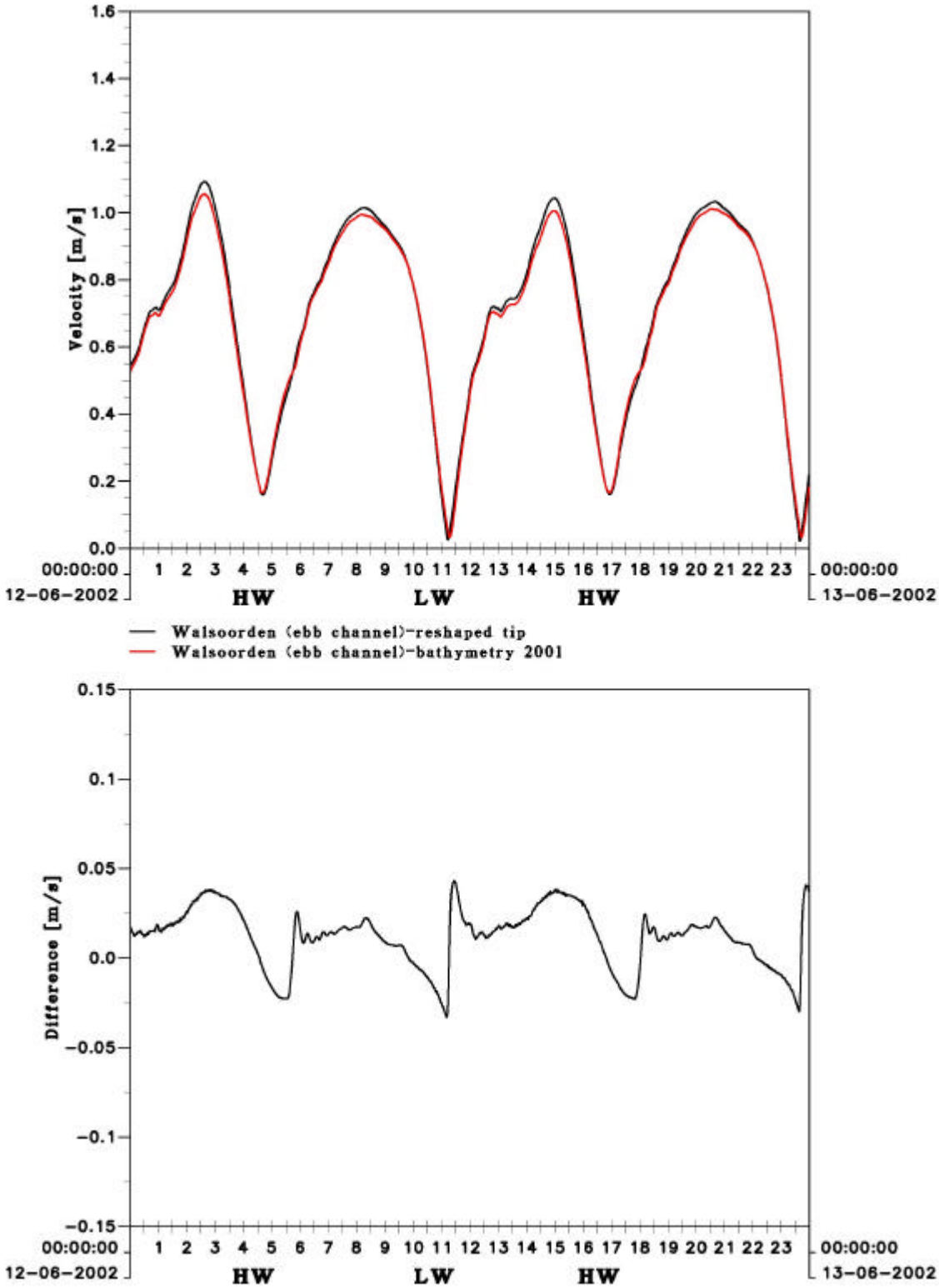
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Velocity at location Valkenisse (above). Difference in velocity between expected and present situation (below).

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 076	**MODEL 678/1**



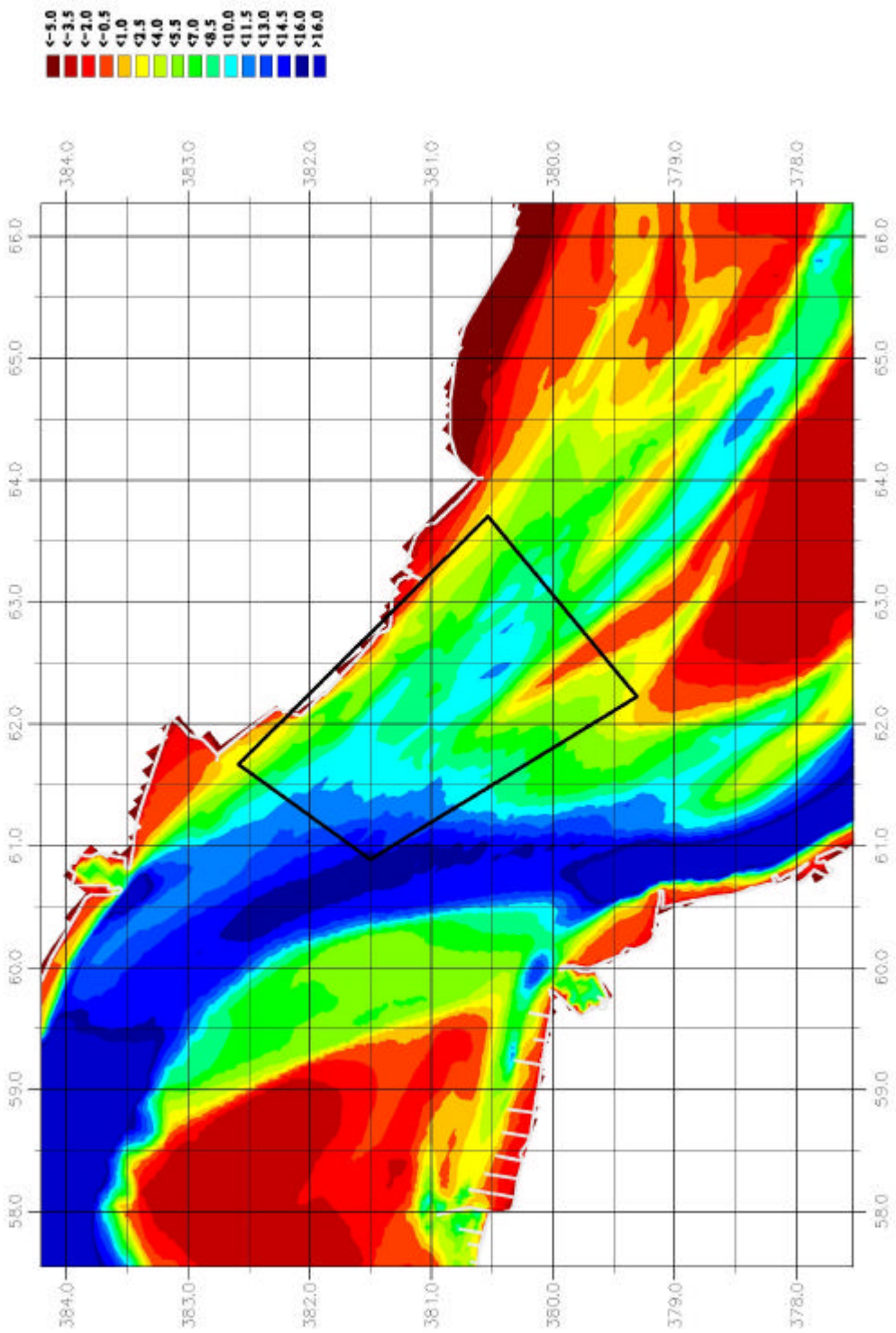
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Velocity at location Waarde (above). Difference in velocity between expected and present situation (below)

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 077	**MODEL 678/1**



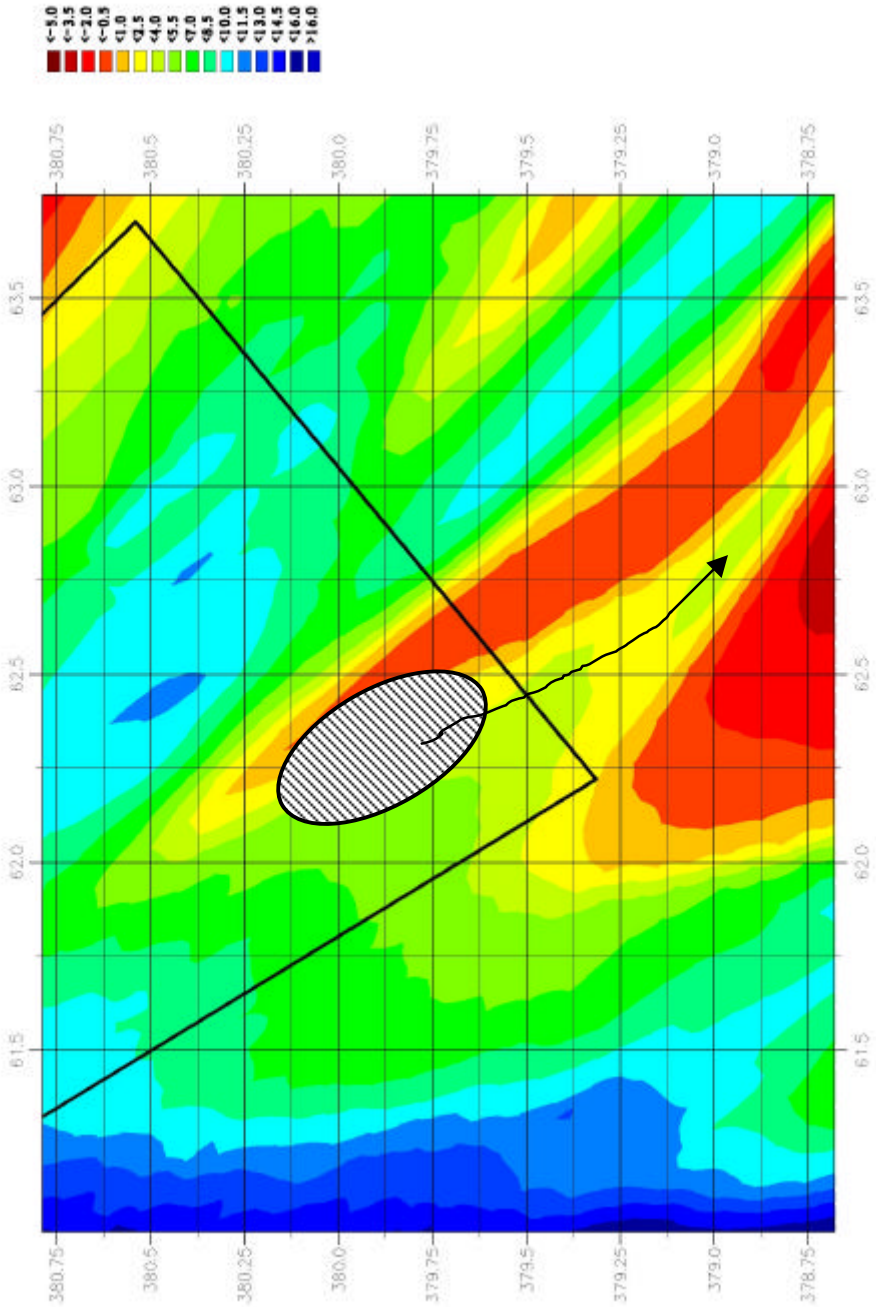
Alternative dumping strategy **Results of physical and numerical modelling**	Effect of alternative dumping strategy. Velocity at location Walsoorden (above). Difference in velocity between expected and present situation (below).

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 078	**MODEL 678/1**



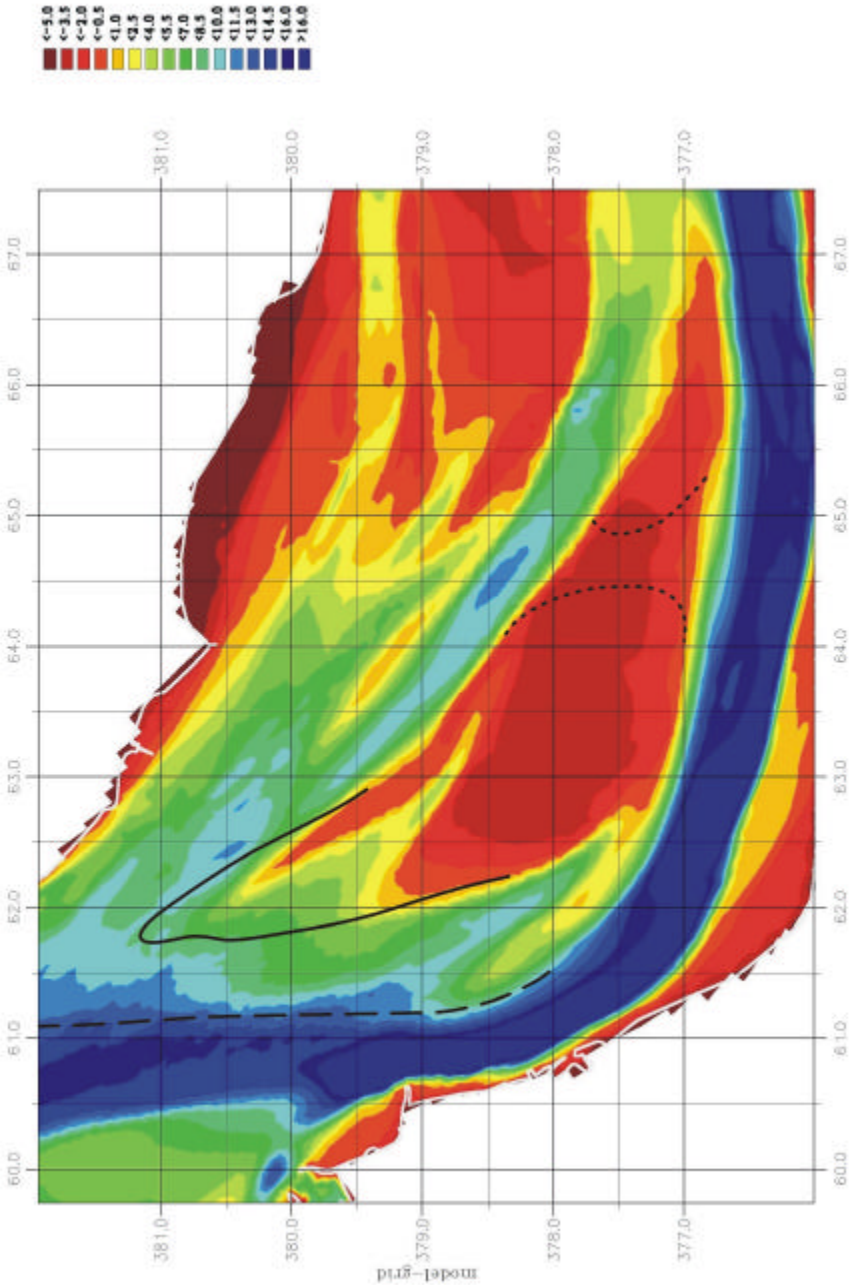
Alternative dumping strategy **Results of physical and numerical modelling**	Licensed dumping zone near the flood channel of Waarde, suited for in situ test of 500000 m³ sand.

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 079	**MODEL 678/1**



Alternative dumping strategy **Results of physical and numerical modelling**	Preferable location for dumping 500000m³ sand during the in-situ test and expected transport direction of the sediments.

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 080	**MODEL 678/1**



Alternative dumping strategy **Results of physical and numerical modelling**	Desired development of the Sand bar of Walsoorden

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 081	**MODEL 678/1**