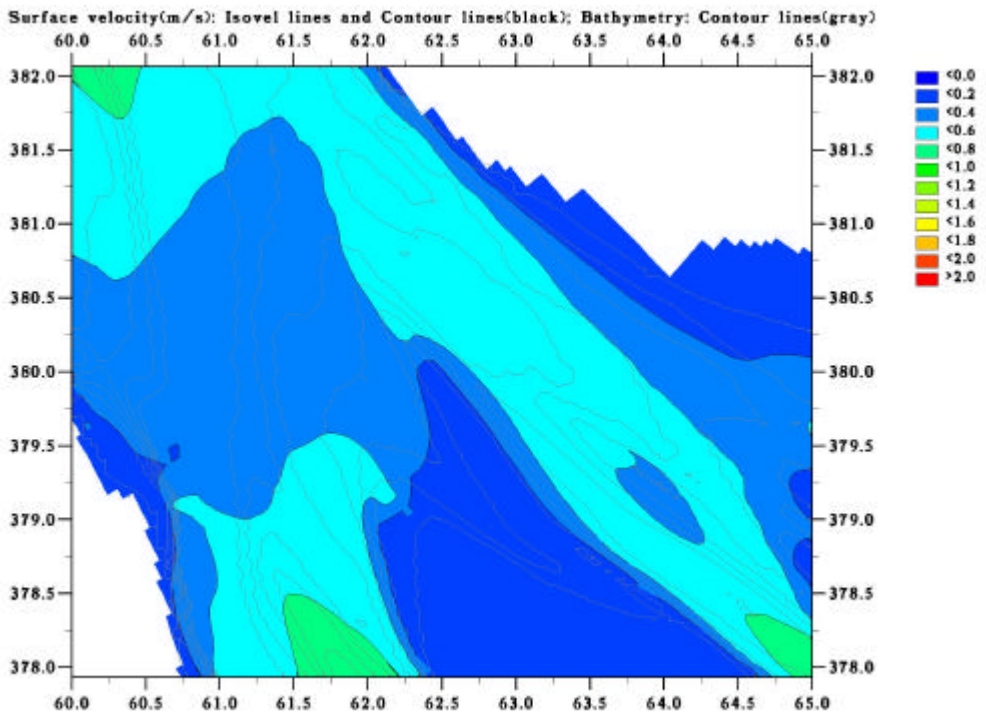
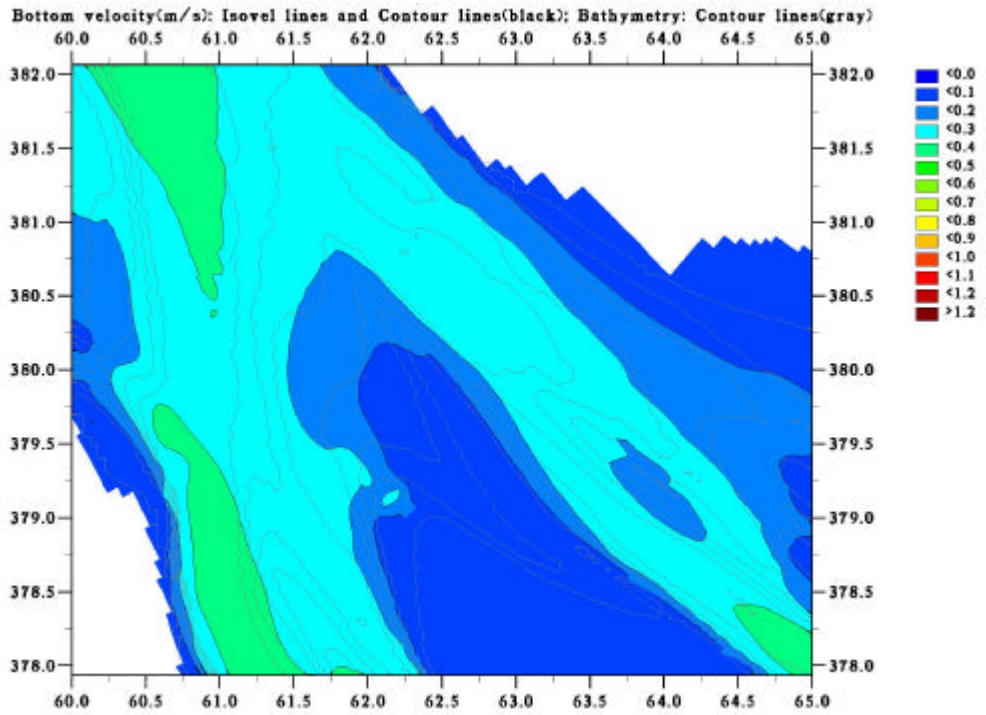
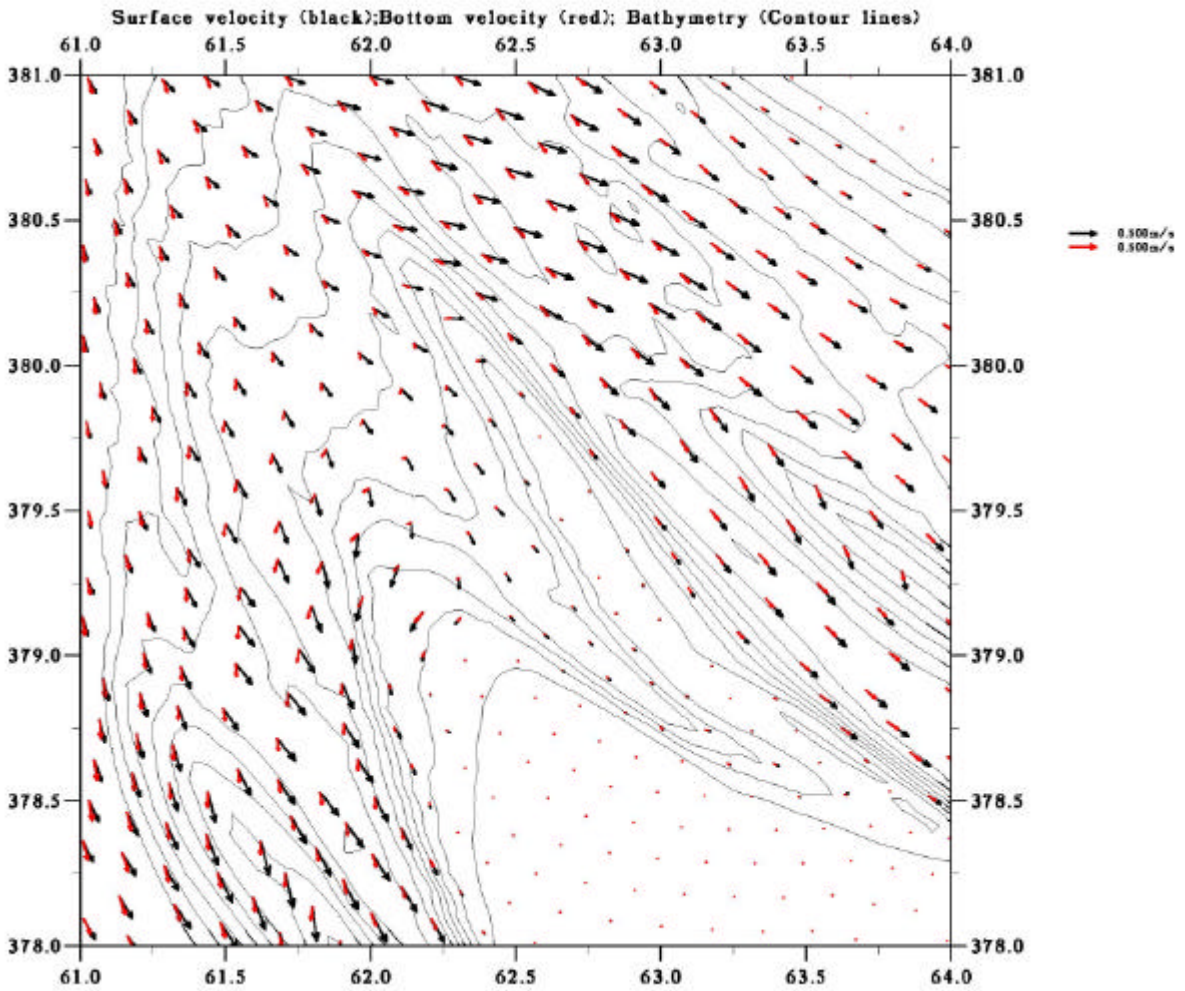




Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity at HW-4h Numerical model: 3D model, no refinement, 10 layers

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 022	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

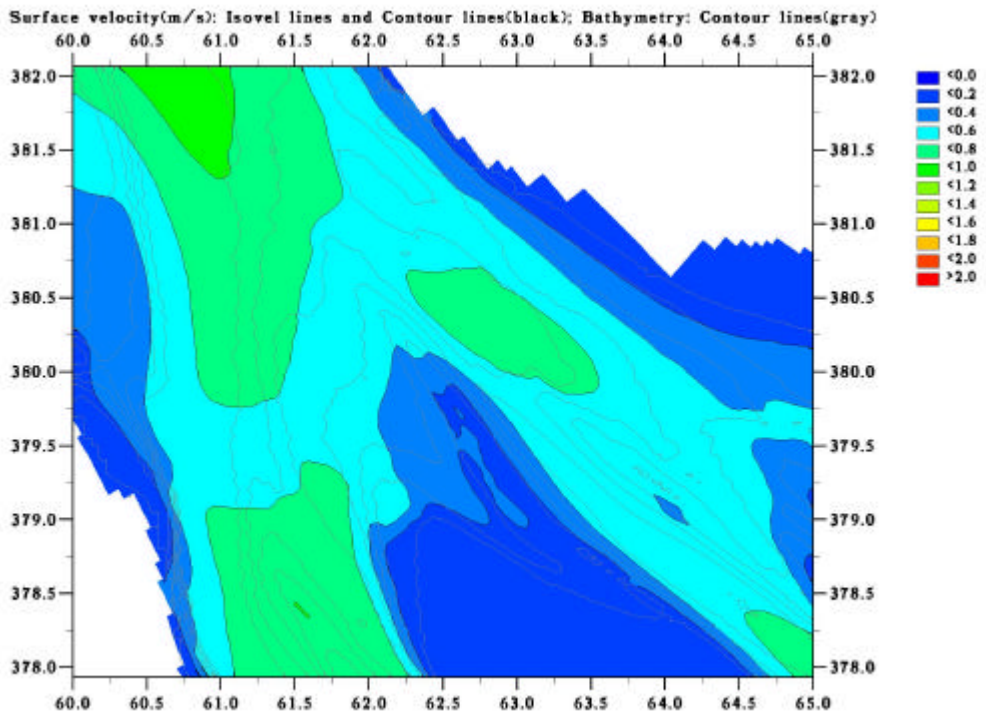
Current pattern computed with the numerical model at HW-4h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

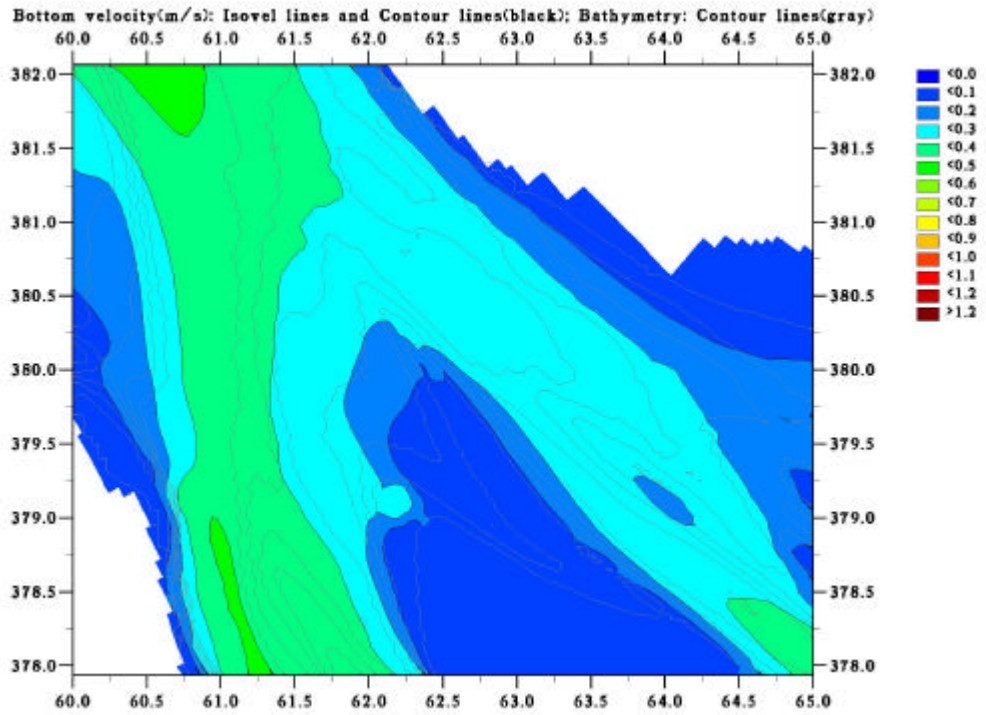
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 023

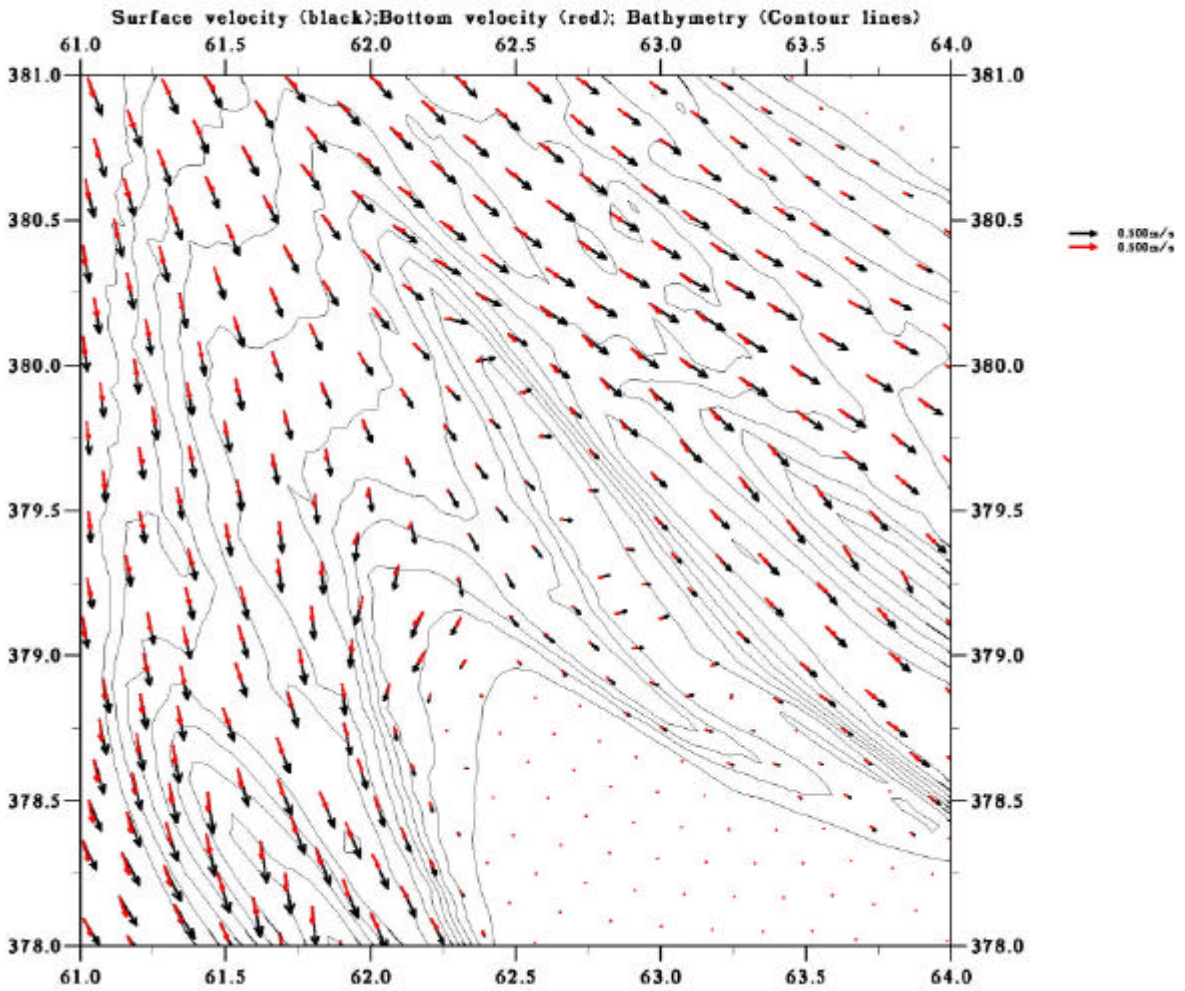
MODEL 678/1





Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity for HW-3h Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 024	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

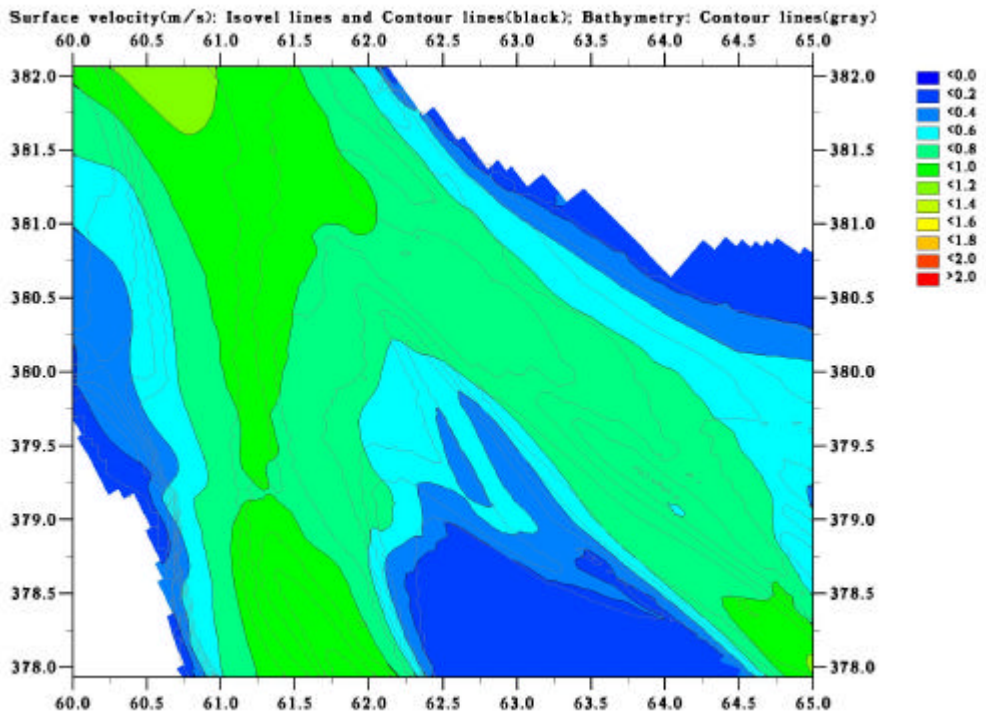
Current pattern computed with the numerical model at HW-3h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

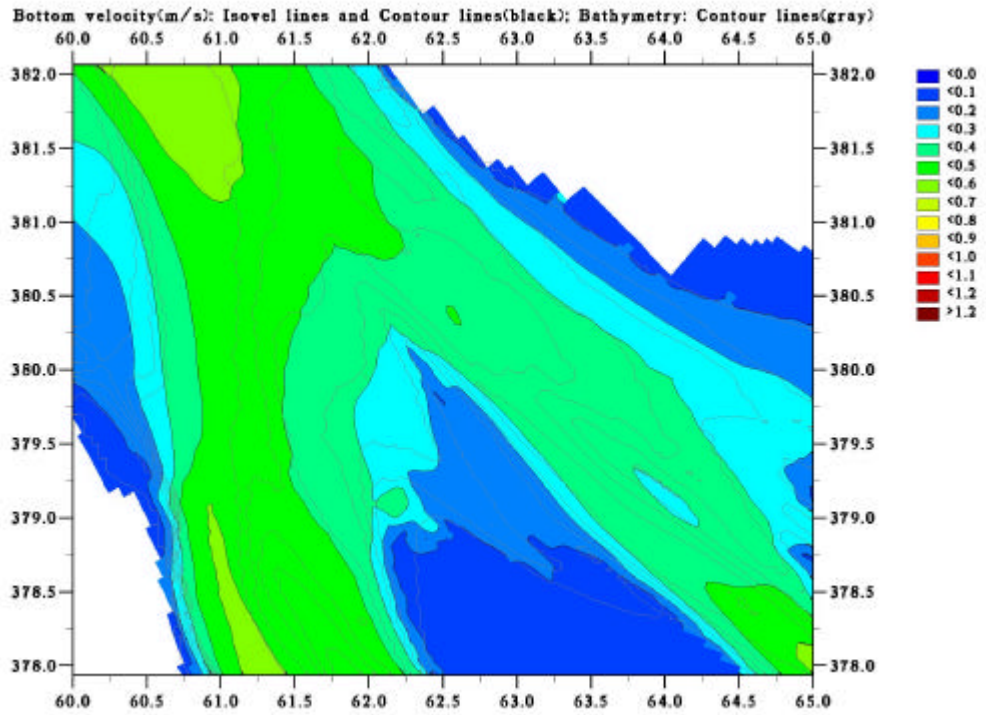
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 025

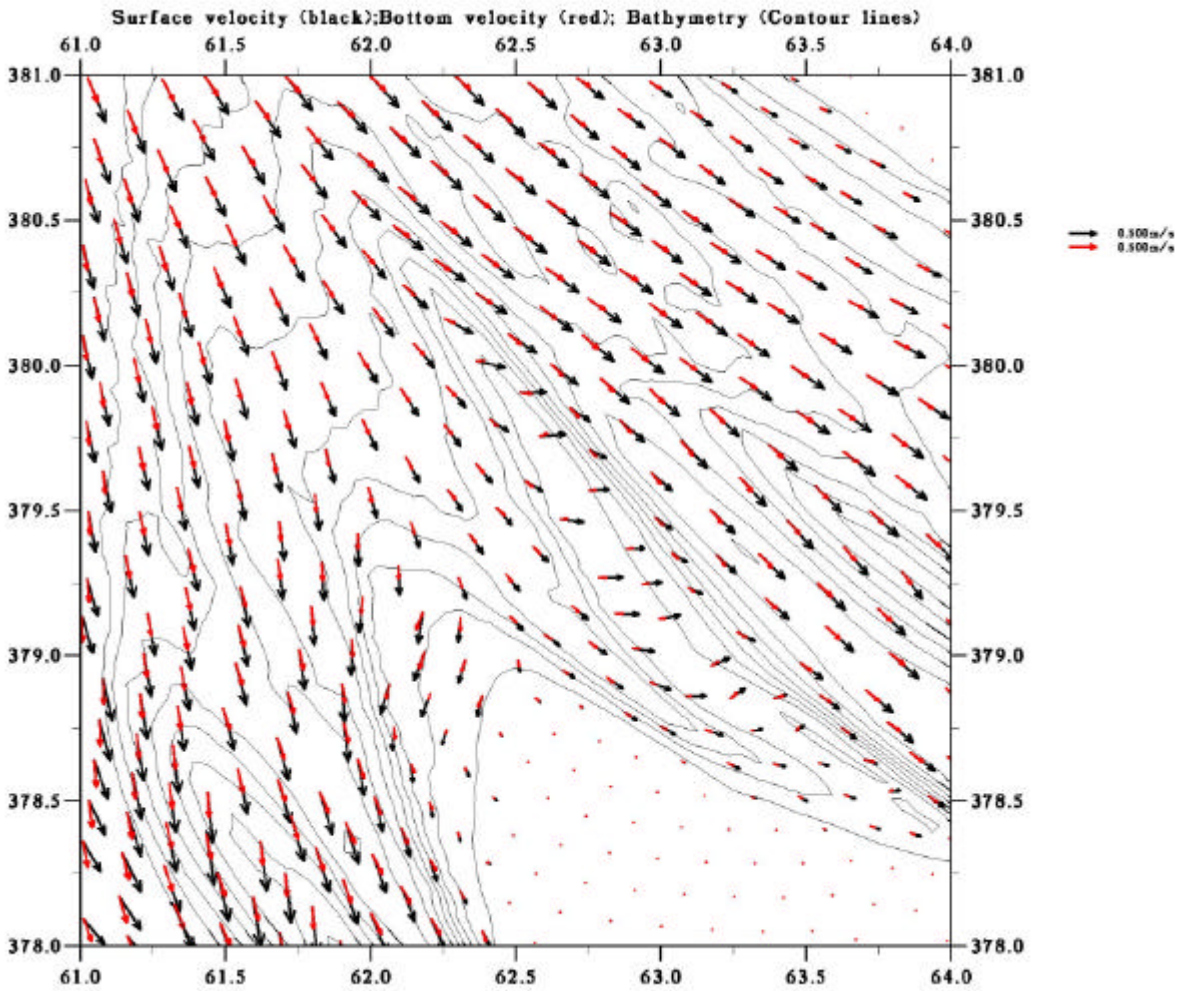
MODEL 678/1





Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity for HW-2h Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 026	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

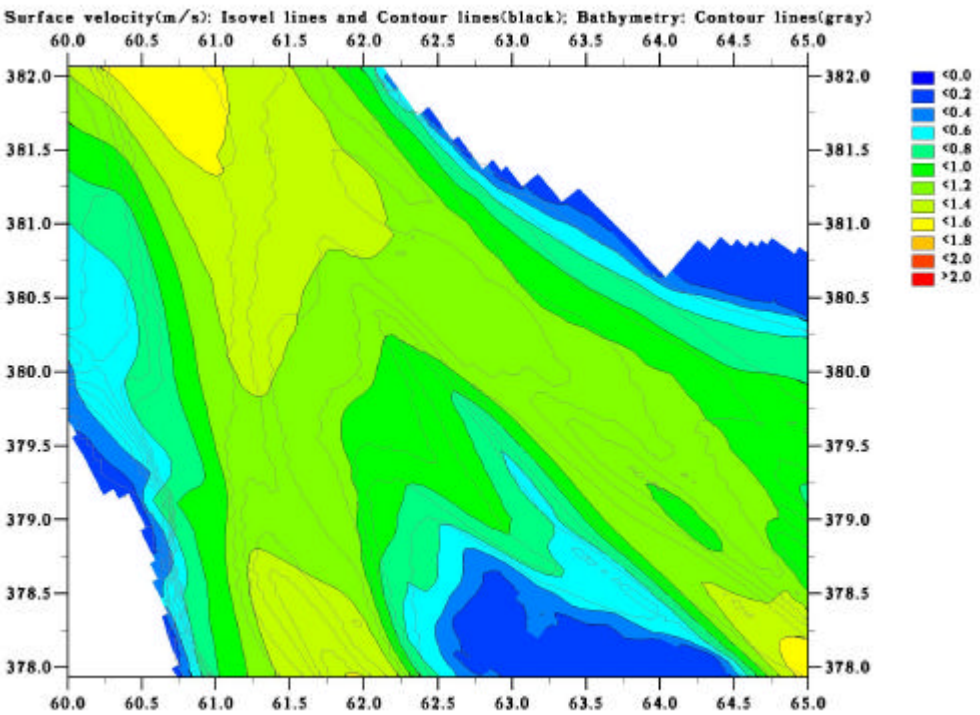
Current pattern computed with the numerical model at HW-2h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

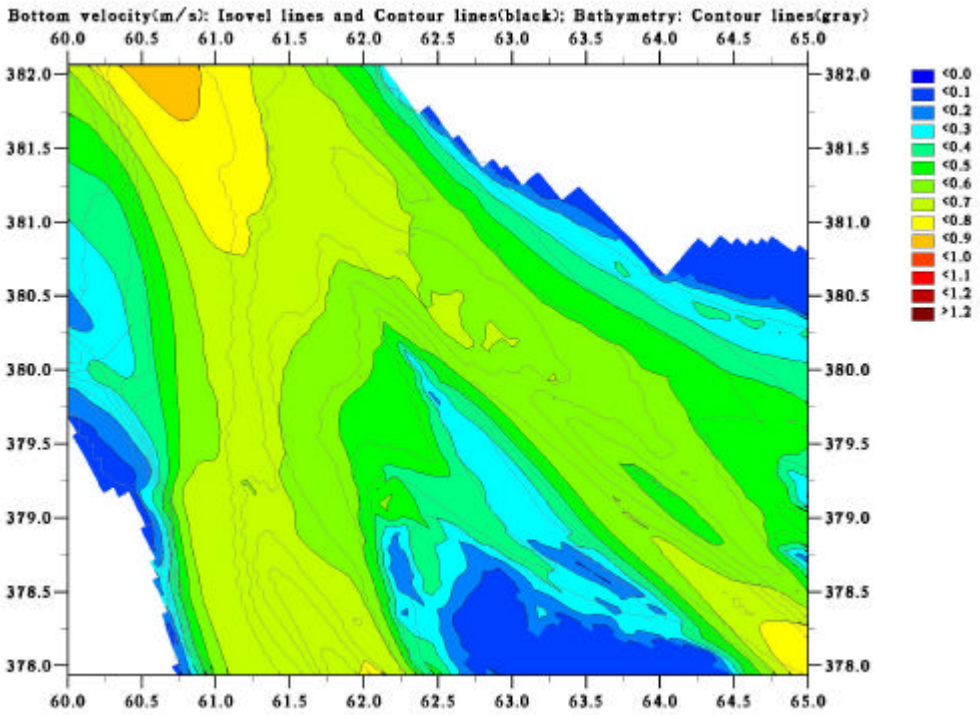
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 027

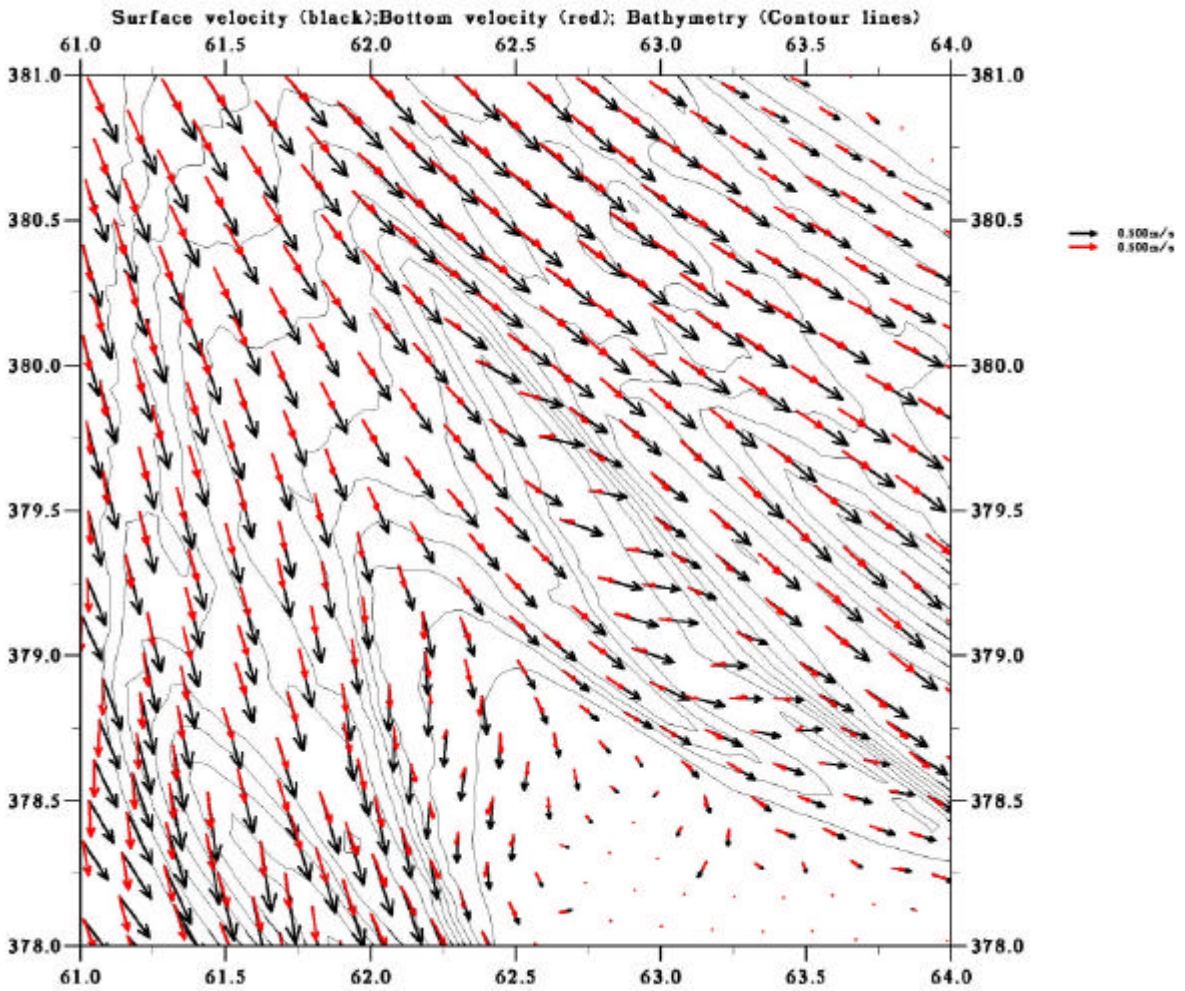
MODEL 678/1





Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity for HW-1h Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 028	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

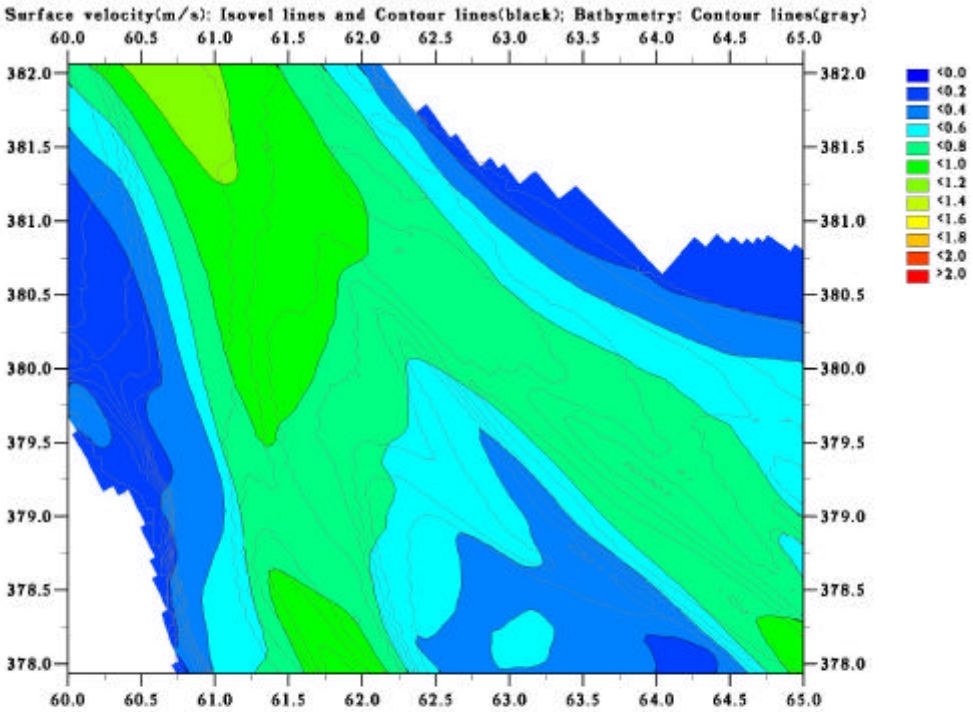
Current pattern computed with the numerical model at HW-1h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

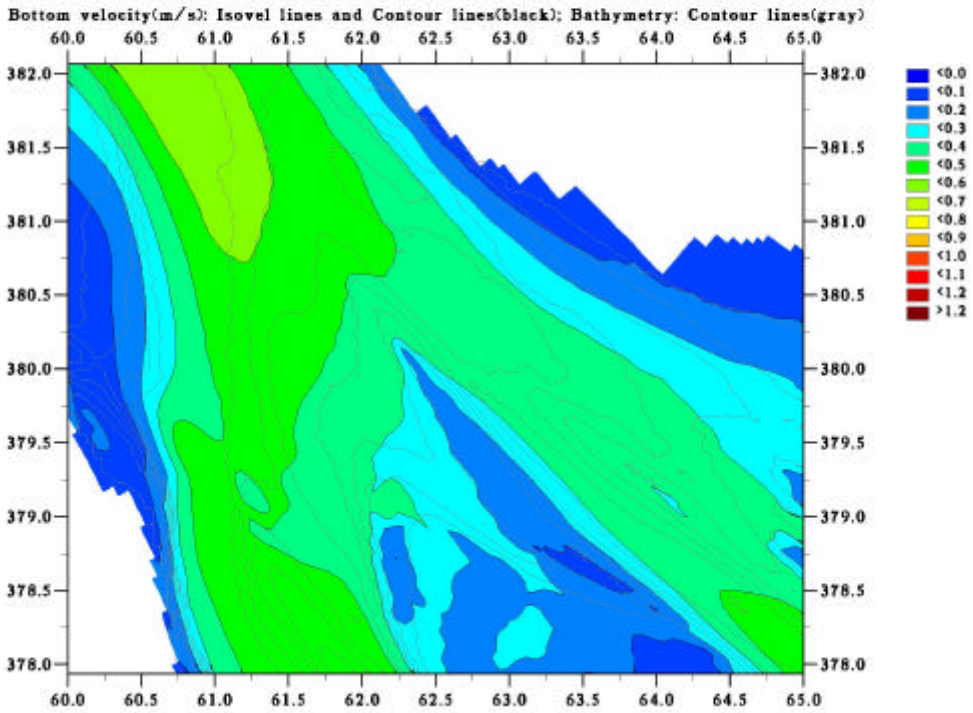
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 029

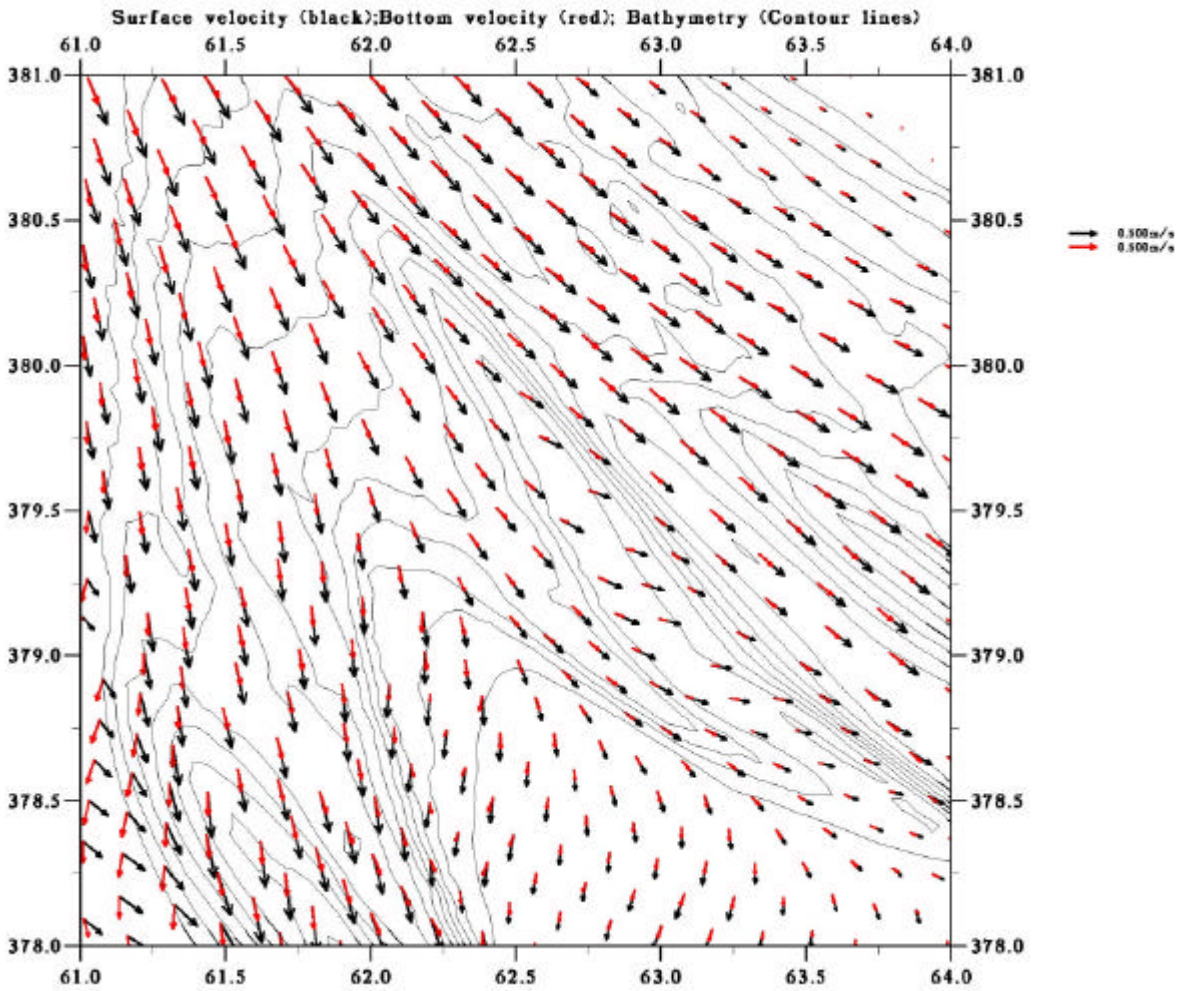
MODEL 678/1





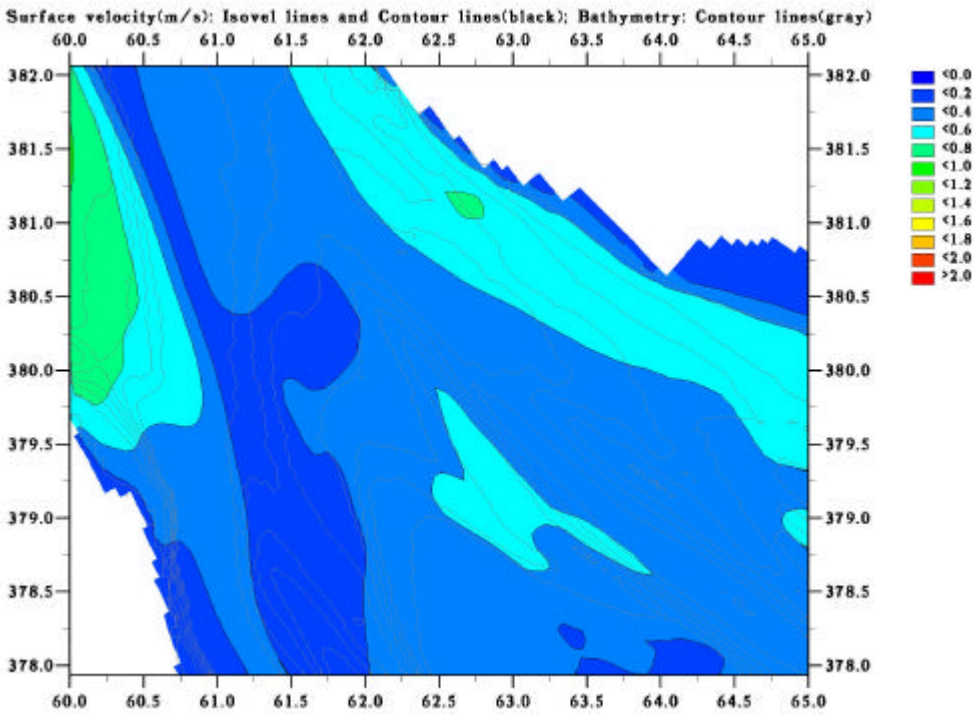
Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity for HW Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

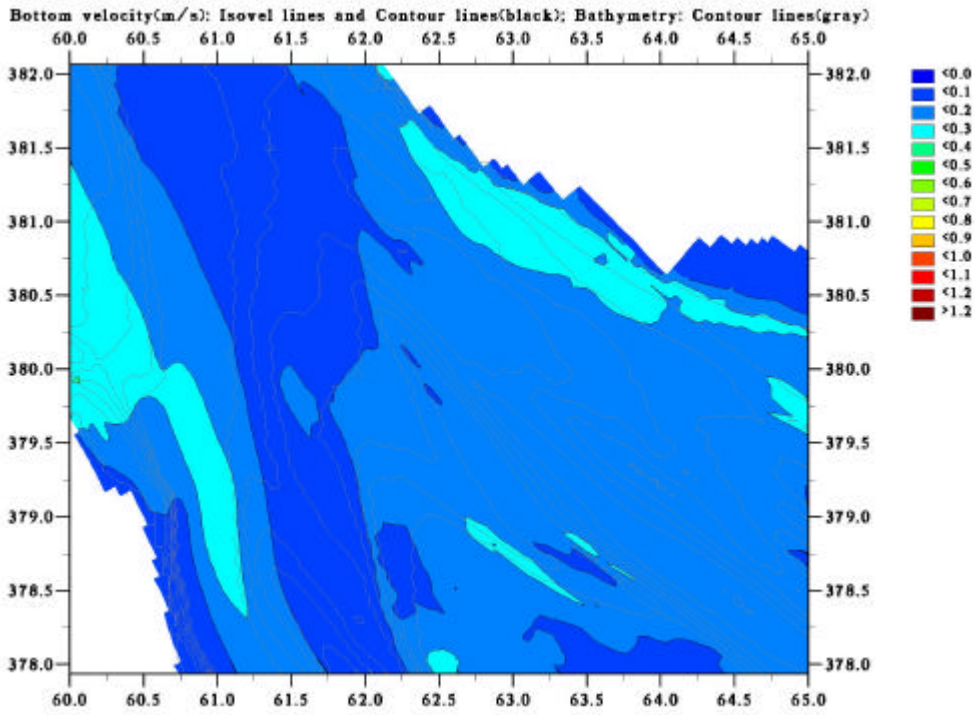
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 030	**MODEL 678/1**



Alternative dumping strategy **Results of physical and numerical modelling**	Current pattern computed with the numerical model at HW Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

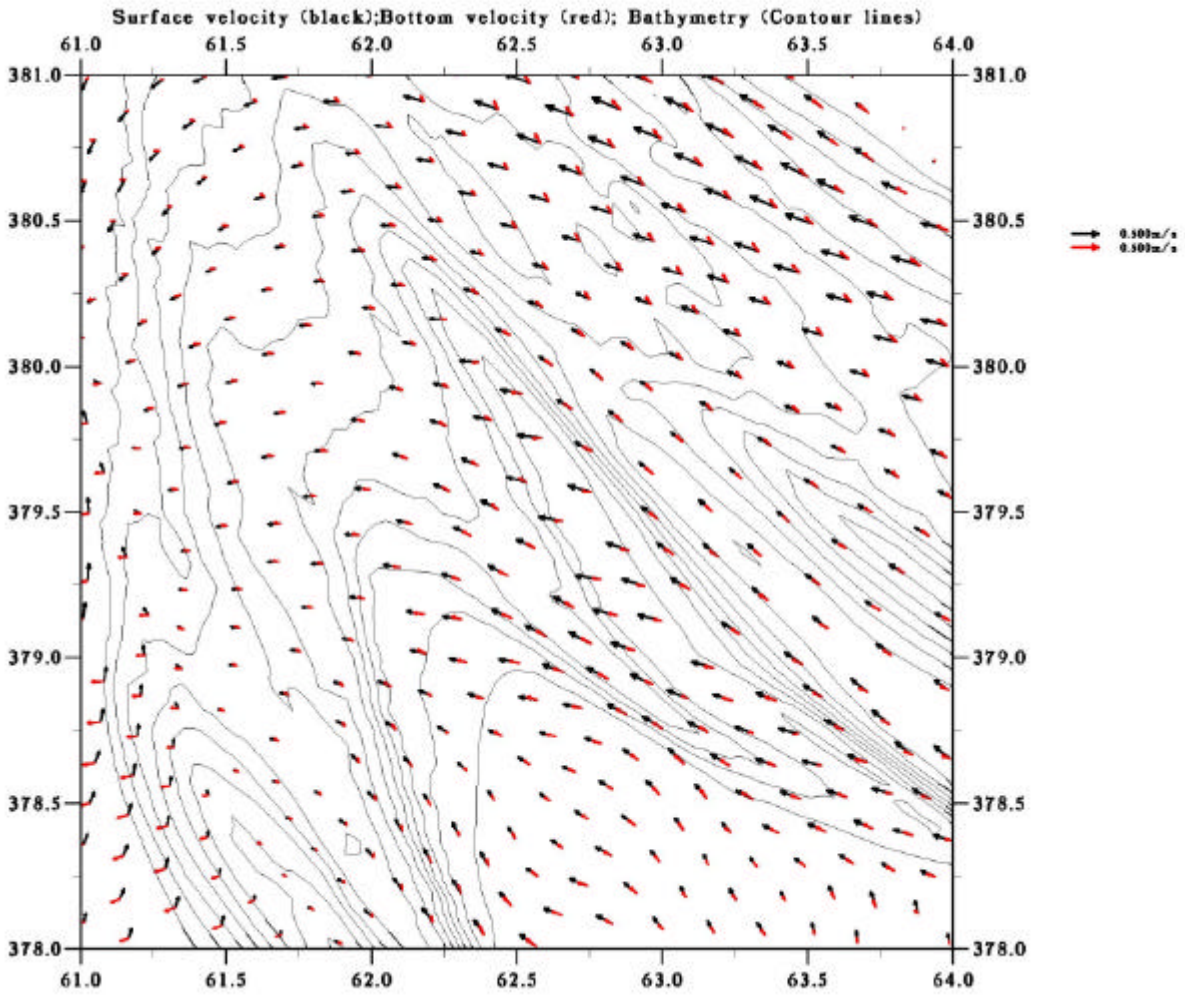
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 031	**MODEL 678/1**





Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity for HW+1h Numerical model: 3D model no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 032	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

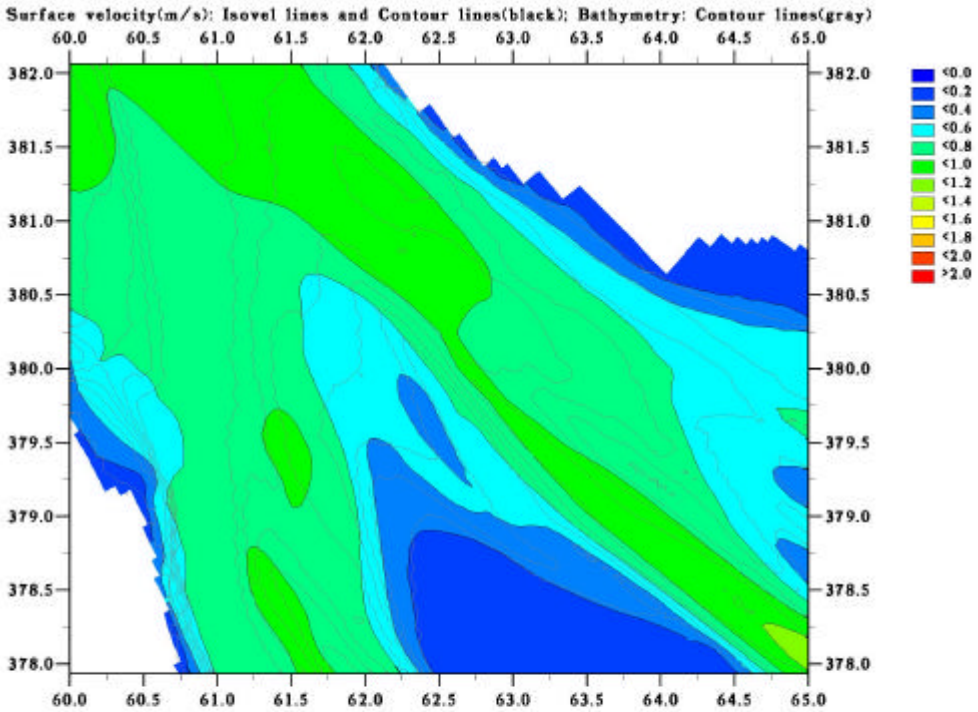
Current pattern computed with the numerical model at HW+1h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

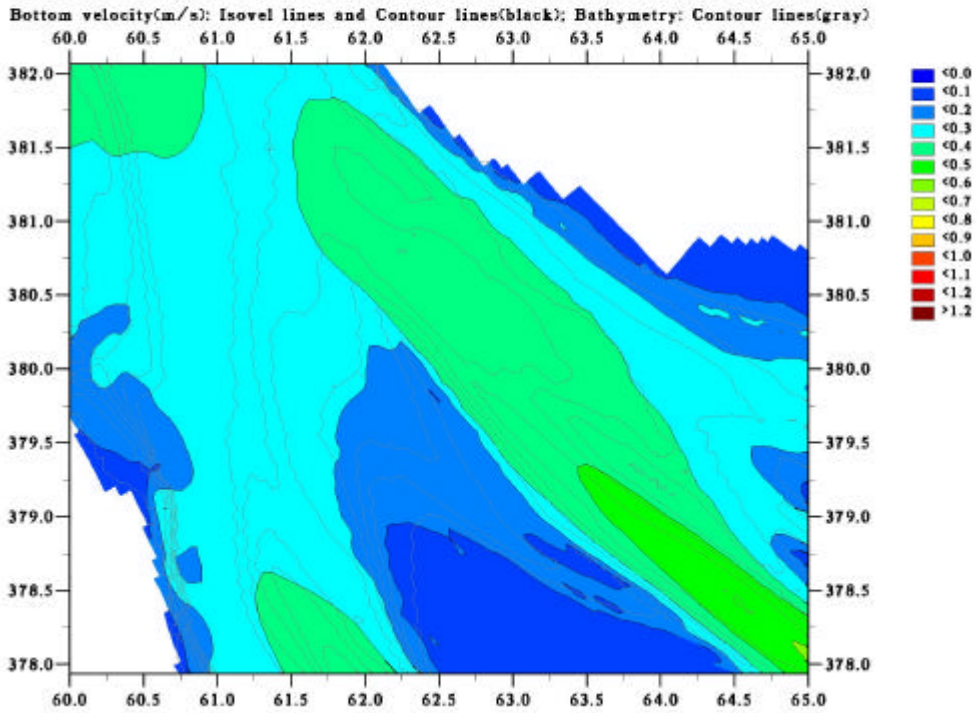
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 033

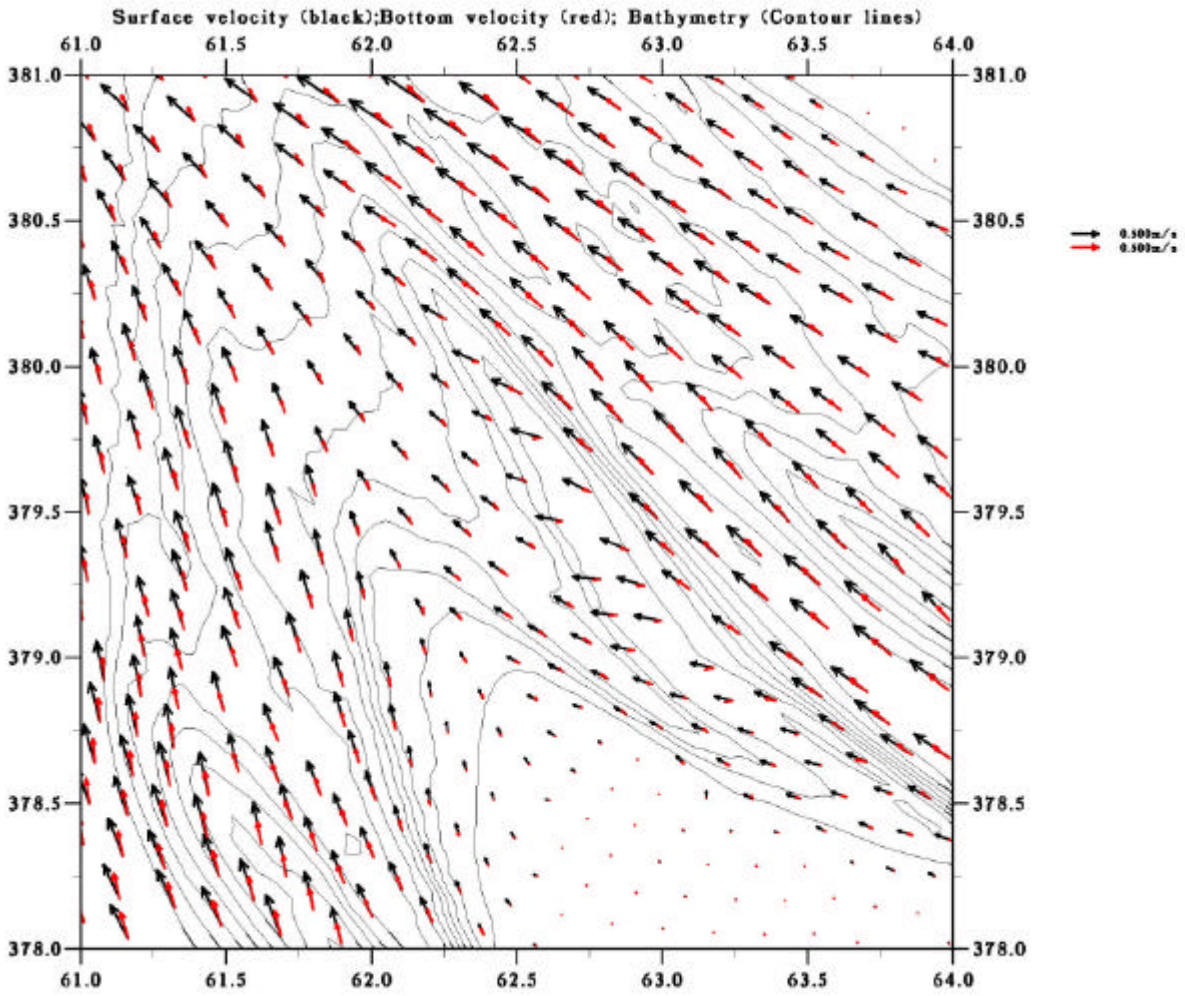
MODEL 678/1





Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity for HW+2h Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 034	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

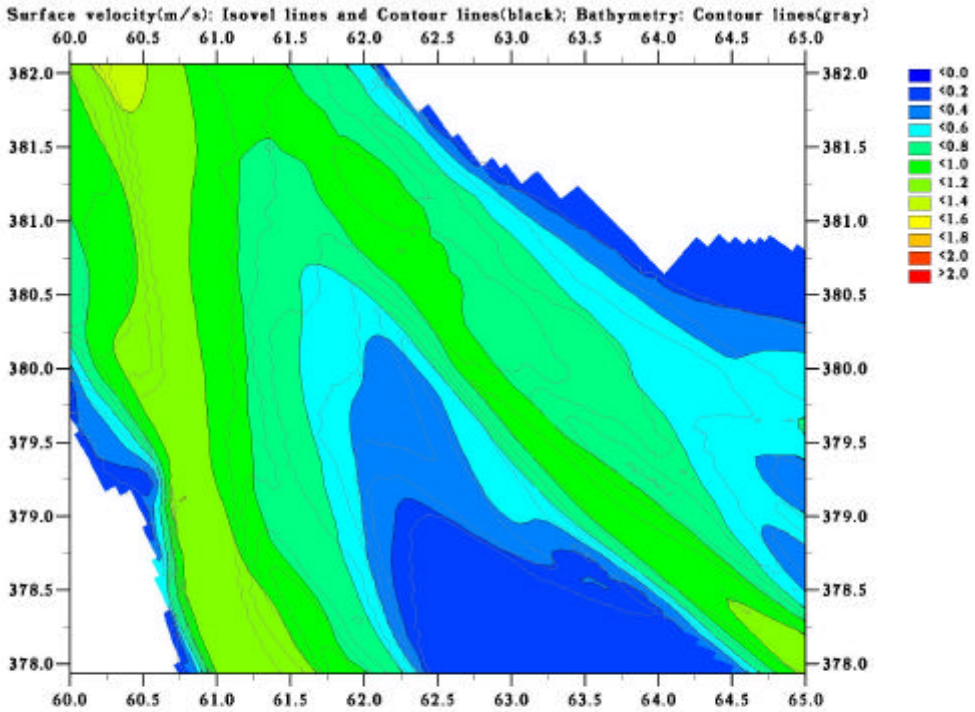
Current pattern computed with the numerical model at HW+2h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

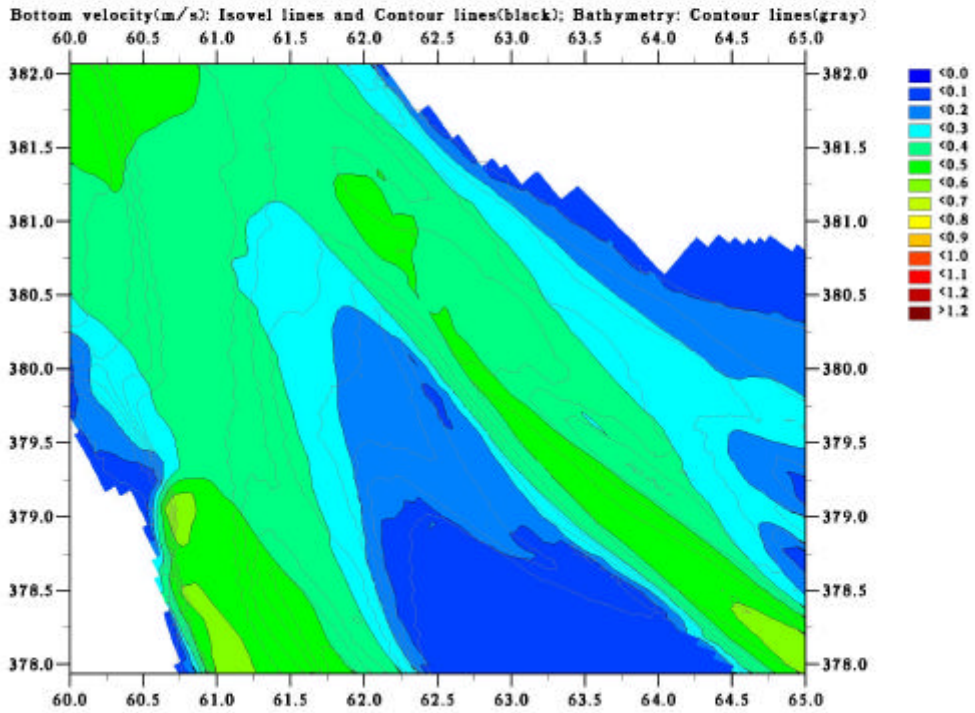
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 035

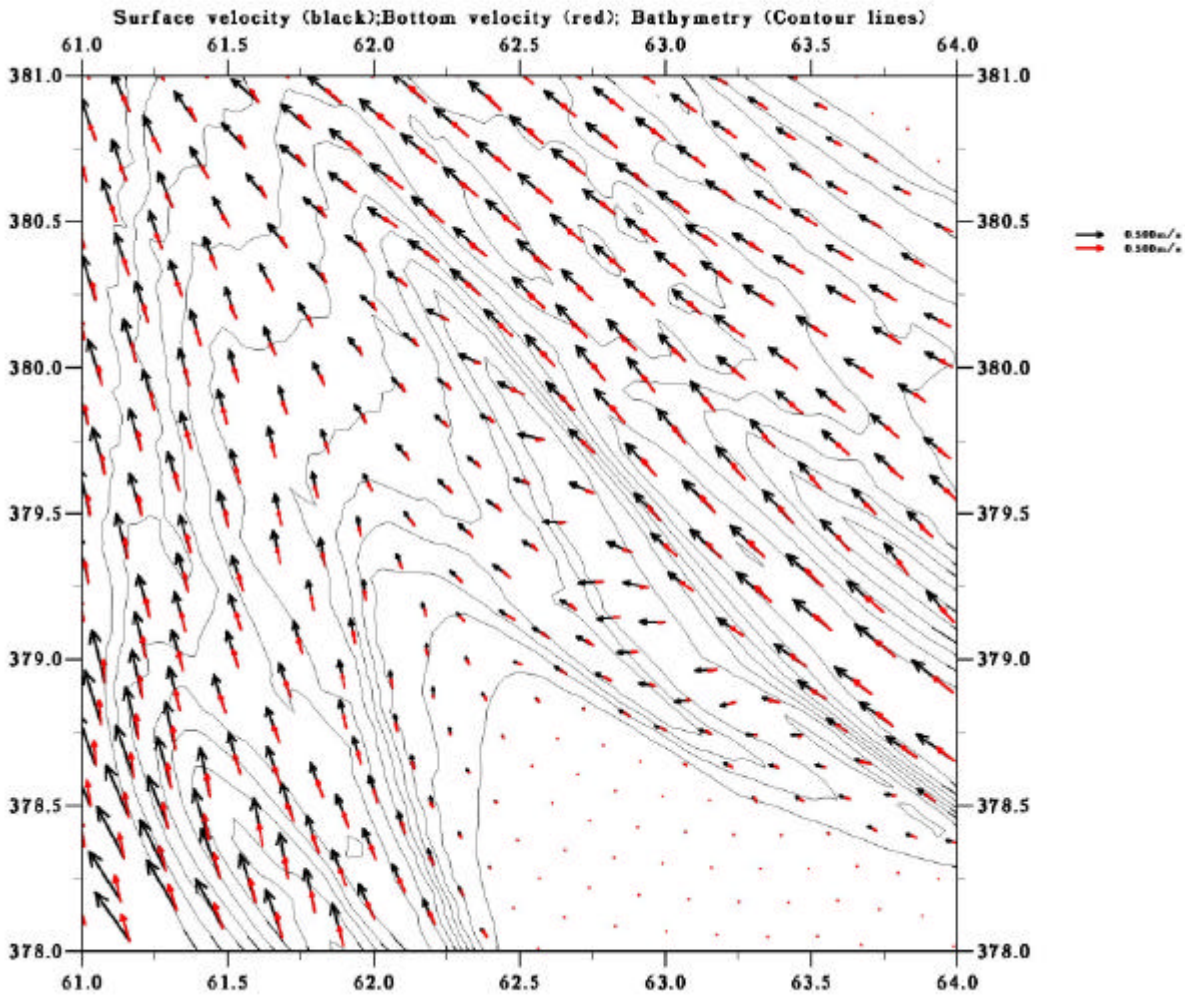
MODEL 678/1





Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity for HW+3h Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 036	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

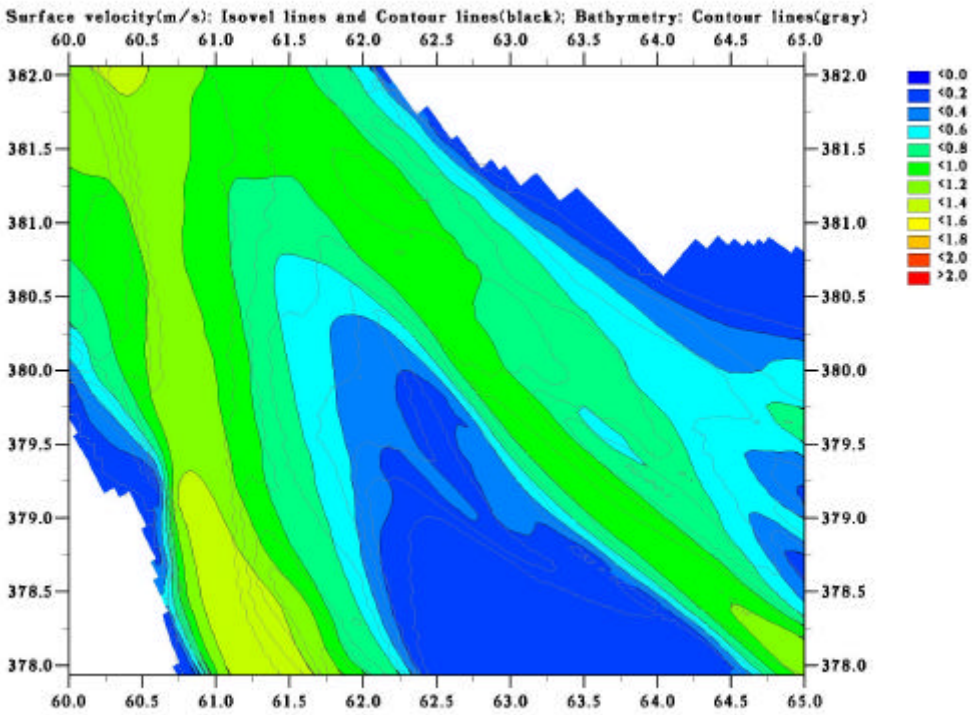
Current pattern computed with the numerical model at HW+3h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

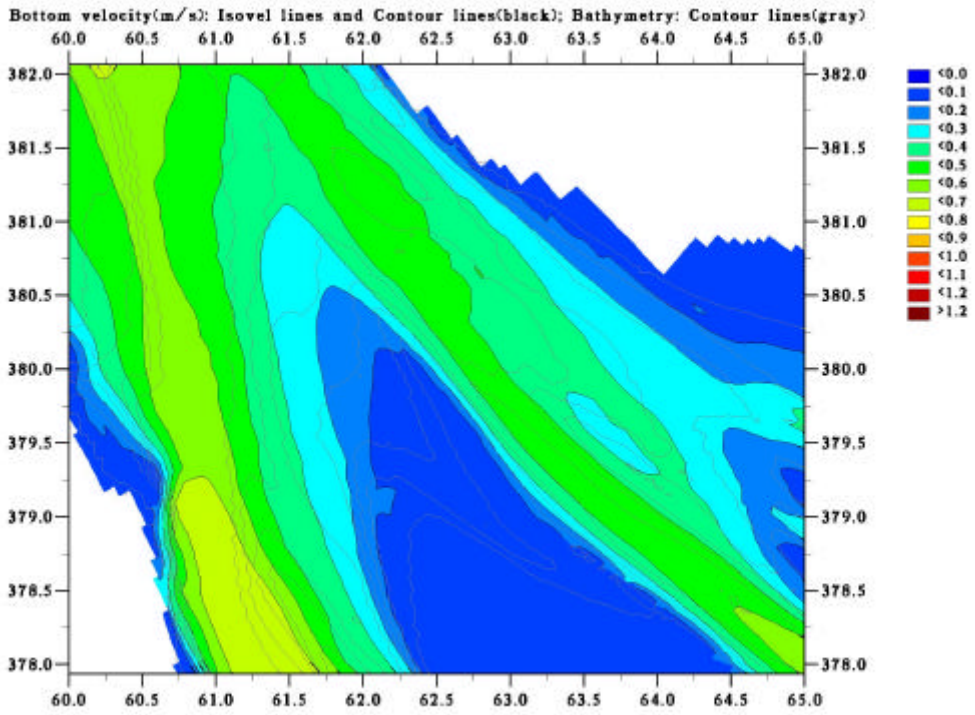
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 037

MODEL 678/1





Alternative dumping strategy
Results of physical and numerical modelling

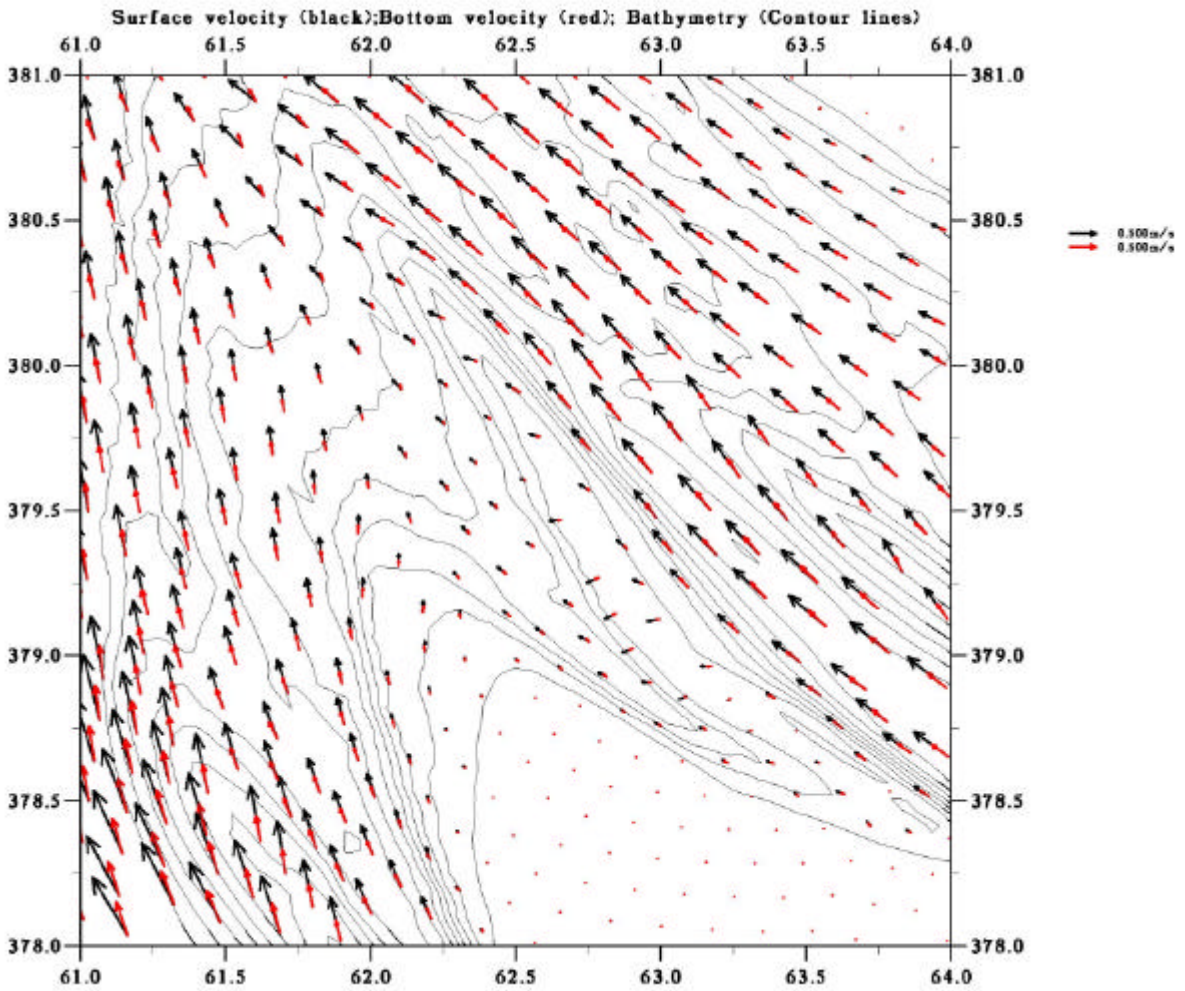
Isovel lines for surface and bottom velocity at HW+4h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 038

MODEL 678/1



Alternative dumping strategy
Results of physical and numerical modelling

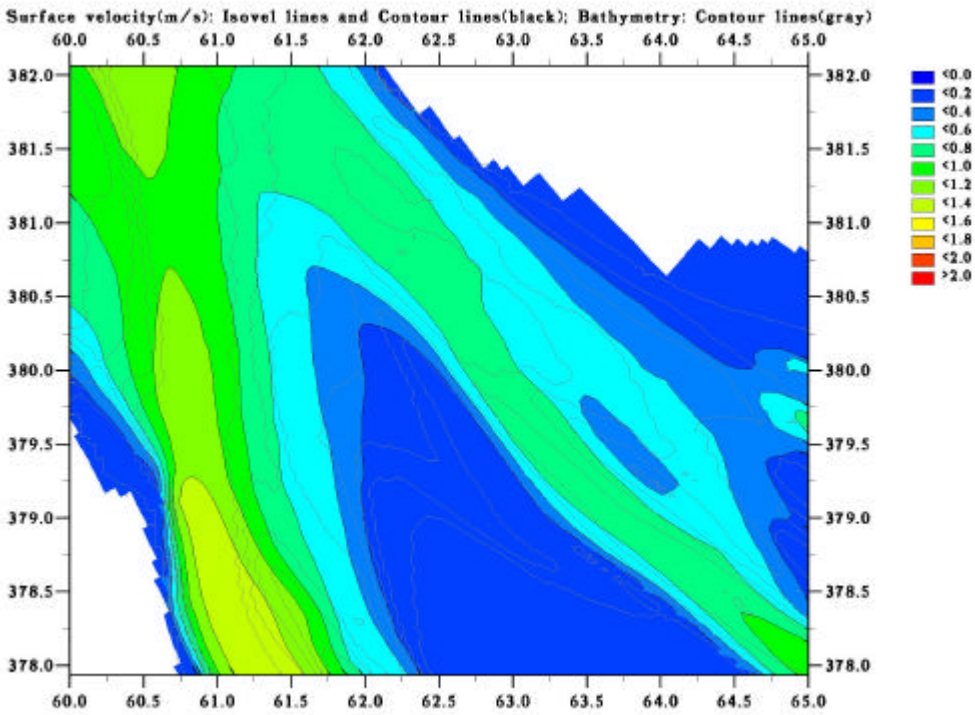
Current pattern computed with the numerical model at HW+4h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

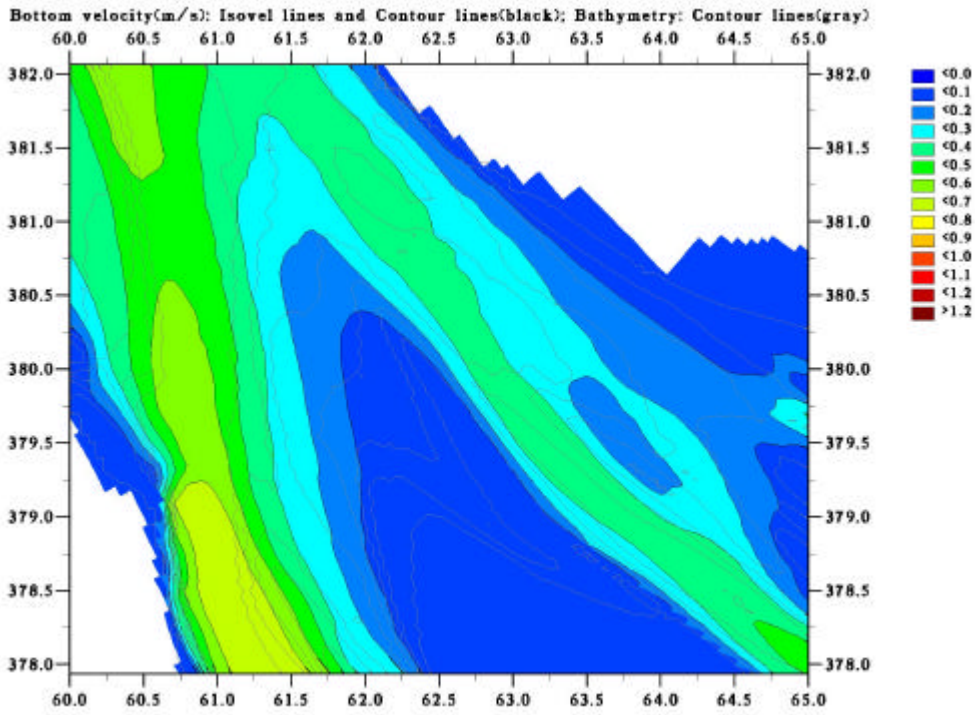
MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 039

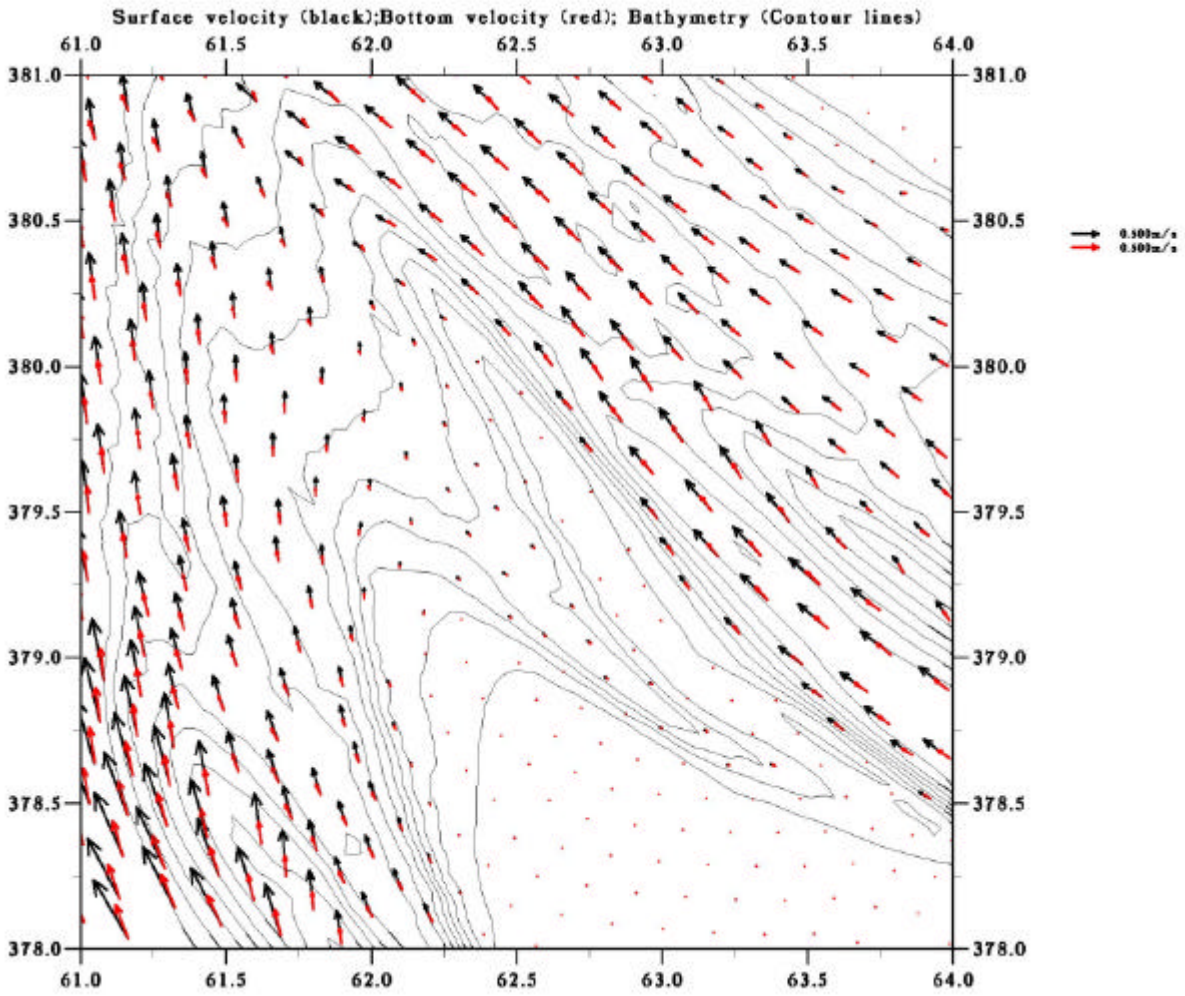
MODEL 678/1





Alternative dumping strategy **Results of physical and numerical modelling**	Isovel lines for surface and bottom velocity at HW+5h Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10 m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP **AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK**	Figure 040	**MODEL 678/1**



Alternative dumping strategy
Results of physical and numerical modelling

Current pattern computed with the numerical model at HW+5h
Numerical model: 3D model, no refinement, 10 layers, horizontal eddy viscosity 10m²/s

MINISTERIE VAN DE VLAAMSE GEMEENSCHAP

AFDELING WATERBOUWKUNDIG LABORATORIUM EN HYDROLOGISCH ONDERZOEK

Figure 041

MODEL 678/1