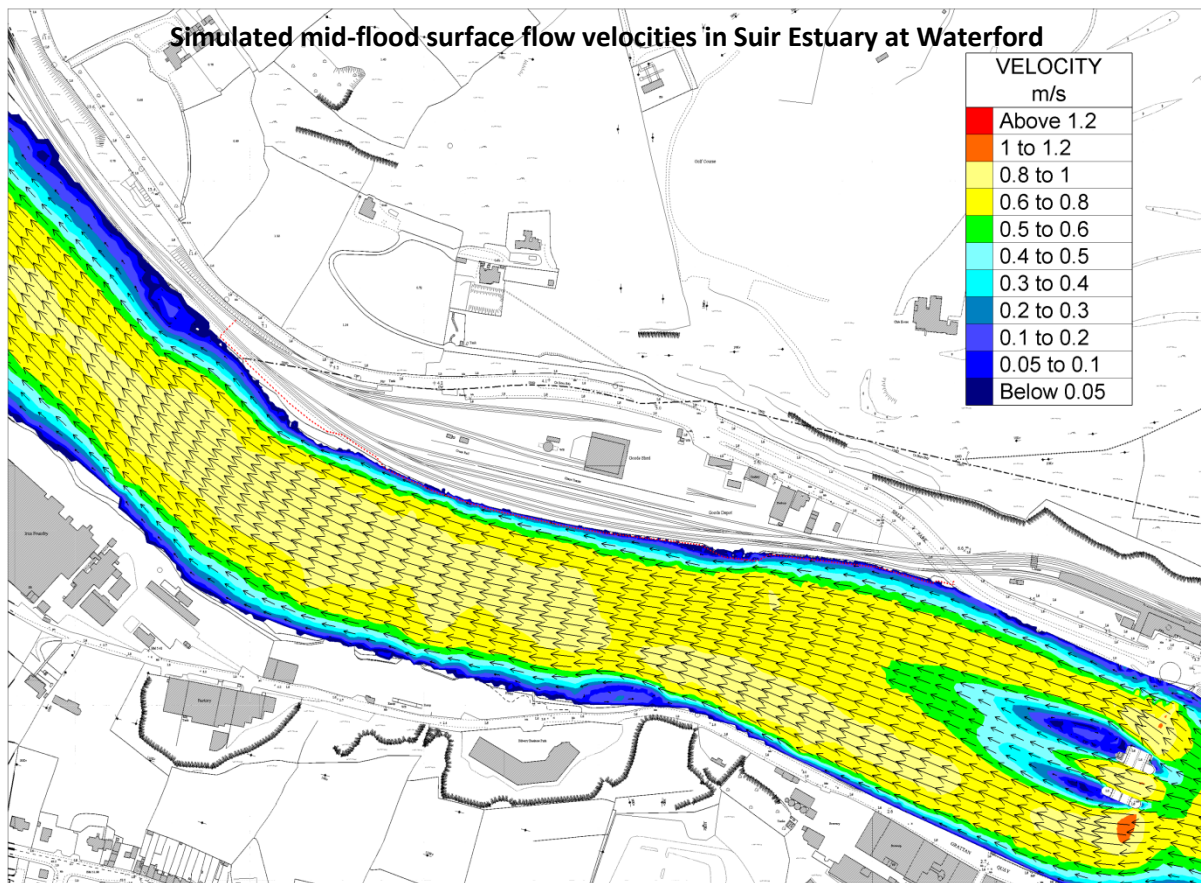


Hydrodynamic Modelling Capability

Hydro Environmental Ltd use state of the art hydrodynamic and transport dispersion models from the TELEMAC Hydraulic Software suite to simulate flow fields and pollutant transport in rivers, lakes, estuaries and coastal waterbodies. Hydro Environmental Ltd support the engineering and scientific communities providing hydrodynamic analysis for environmental impact assessments, flood risk assessments, sediment transport and bed scour assessments and predictive forecasting .



Modelling Applications:-

- Aquaculture Developments modelling pollutant discharges from Salmon Farms including and associated sea lice larvae dispersion
- Harbour Authorities including wave climate assessments, sediment transport from dredging activities and hydrodynamics
- Sewerage Schemes and Marine Outfalls for public semi-state and private organisations
- Oil Spill Simulations including Cork Harbour, Shannon Estuary and Galway Bay
- Hydraulic structures including bridges, weirs, slipways and jetties
- Hydraulic assessments to support OPW Section 50 Applications for bridges and weirs