

Modelling Soil Erosion and Suspended Sediment Transport in the River Owenabue Catchment, County Cork, Ireland

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- Excess fine sediment is among the main pollutants of water dependent habitats in Ireland.
- Models can be useful tools for catchment sediment management.
- The semi-distributed HEC-HMS model is developed for continuous simulation of river discharge, suspended sediment load and sediment yield at a sub-basin scale in the River Owenabue Catchment, County Cork, Ireland.
- Model provides acceptable to very good simulation of suspended sediment transport and insights into potential spatial patterns of soil erosion and sediment loss in the catchment.



Figure 1. Location of the Owenabue catchment.