

WP No.: 4.1

WP Leader: Scott Arthur

WP Title: Predicting and Managing Floodrisk Associated with Debris at Structures

Description of data generated with FRMRC funding (**web link will be inserted for each data set if appropriate**)

- Northern Ireland Rivers Agency (NIRA) greater Belfast area trash screen maintenance records (data for 2000 - 2009) processed for modelling analysis. Data available in MS Excel format.
- Catchment variables extracted for 140 Belfast screens used in modelling analysis. Records include river network properties (channel slope and network length), landuse type breakdown, FEH derived Q_2 Q_{10} Q_{50} and Q_{100} , Multiple Deprivation Measure social inequality indices and trash screen properties. Data available in MS Excel or MS Access format.
- South Lanarkshire Council trash screen records (data for 2001 - 2009) processed for modelling analysis. Data available in MS Excel format.
- Catchment properties used in modelling analysis (channel slope, river network length, landuse type breakdown and Scottish Index of Multiple Deprivation social inequality indices. Data available in MS Excel format.
- Edinburgh City Council trash screen records for five screens (data for 2001 - 2008) processed for modelling analysis. Data available in MS Excel format.
- Screen catchment properties (channel slope, river network length, landuse type breakdown, FEH derived Q_2 Q_{10} Q_{50} and Q_{100} , and Scottish Index of Multiple Deprivation social inequality indices. Data available in MS Excel format.
- Compiled returns from WP 4.1 trash screen questionnaire. Data available in MS Excel format.

Supporting data sets owned by others

Web links or contact details to be inserted to allow others to seek permission to access third party data sets.

- Northern Ireland Rivers Agency (NIRA) greater Belfast area trash screen maintenance records for 459 screens (data for 2000 - 2009). Raw data converted from hardcopy proforma to electronic database (MS Excel format) by WP 4.1 researcher. WP 4.1 researcher also has hardcopy of all data.
- GIS layers (shape files) for Belfast screen assets including river network (with meta-data), trash screen locations (with screen and culvert property meta-data) and 5m horizontal resolution DEM (raster) for whole of Northern Ireland, and;
- Individual trash screen risk information forms produced by NIRA for all Belfast screens. Data available in pdf format.

- **South Lanarkshire Council trash screen records (raw data) for eleven screens (data for 2001 - 2009). Data available in MS Excel format.**

UK social deprivation indices (permission not required):

- **Complete Northern Ireland Multiple Deprivation Measure index database plus shape-file of ward boundaries (MS Excel format).**
 - **Complete Scottish Index of Multiple Deprivation database (MS Excel format).**
 - **Complete Welsh Index of Multiple Deprivation database (MS Excel format).**
 - **Complete English Index of Deprivation database (MS Excel format).**
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- **Edinburgh City Council trash screen records (raw data) for five screens (data for 2001 - 2008). Data available in MS Excel format.**

Barriers to making data freely available after project.

None foreseen. Permission unlikely to be required for the supporting datasets.