

APPENDIX N

SUMMARY OF DATASETS USED

| Dataset | Use within assessment |
|---|---|
| Morphological pressures database (SEPA) | Identification of morphological pressures and assessment of capacity used. When used in conjunction with the indicative flood map, provides an indication of potential for improving storage. |
| Fluvial audit data (collected as part of study) | Assessment of geomorphic processes |
| Specific stream power (provided by SEPA) | Assessment of geomorphic processes |
| HA79_mer_5m (GEORGE DTM) | Sub-catchment identification, hydraulic modelling where no LiDAR exists. Also used to generate slope angle map. |
| Nith Flow Data | Characterisation of catchment flood hydrology/runoff generation and for generating hydraulic model inputs. |
| Nith Rainfall Data | Assessing spatial generation of runoff, storm event time to peak. |
| LCM 2007 Data | Assessing land use for screening options, defining floodplain roughness for hydraulic modelling. |
| WFD water bodies classifications | Identification of water bodies current classification and objectives |
| Scottish Wetlands Inventory | Assessing the location of wetland areas for NFM assessment and assessment of environmental benefits of options |
| Time to peak | Can be used to identify the syncretisation of sub-catchment. |
| Flood Risk Management PVAs | Identifying the location of PVAs. |
| Section 20 screening of opportunity areas for NFM | Assessment of NFM potential |
| SAAR Grid | Screening potential measures based on runoff generation. |
| HOST Grid | Characterisation of soil type distribution within the catchment. |
| Indicative Flood Map | Can be used to define floodplain extent. |
| Locations of designated areas | Used to determine environmental benefits of options |