



# Appendix B: Interactive Mapping - Layers Explanation Note

Prepared for  
Cotswold District Council

Date  
XXX



**COTSWOLD**  
District Council

| Layer name                                   | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flood Zones                                  | This layer displays Flood Zone 3b (functional floodplain) as delineated through the SFRA, as well as Flood Zone 3a and Flood Zone 2 from the Environment Agency's Flood Map for Planning - Flood Zones dataset.                                                                                                                                                                                                                                |
| Flood Zones plus climate change (EA)         | This layer displays the Environment Agency's Flood Map for Planning - Flood Zones plus Climate Change dataset.                                                                                                                                                                                                                                                                                                                                 |
| Fluvial Climate Change                       | This layer displays the future functional floodplain, as delineated through the SFRA, as well as the modelled flood outlines from the Environment Agency's detailed hydraulic models, where available. The 100-year event plus 30% climate change and 100-year event plus 43% climate change are shown. These correspond with the Central and Higher Central climate change peak river flow allowances for the Cotswolds Management Catchment. |
| Historic Flooding                            | This layer displays the Environment Agency's Historic Flood Map and Recorded Flood Outlines datasets. It also displays a layer which aggregates the historic flood incidents records of the Lead Local Flood Authority, Cotswold District Council, Thames Water, Severn Trent Water and Wessex Water to display the number of incidents per ward.                                                                                              |
| Reservoir Flooding                           | This layer displays the Environment Agency's Dry Day and Wet Day Reservoir Flood Extents datasets.                                                                                                                                                                                                                                                                                                                                             |
| Flood Risk Management                        | This layer displays the Environment Agency's AIMS Spatial Flood Defences (inc. standardised attributes) dataset. The dataset has been filtered to show only raised flood walls and embankments and has been symbolised based on the asset condition score. The Environment Agency's Flood Map for Planning (Rivers and Sea) - Water Storage Areas, Flood Warning Areas and Flood Alert Areas datasets are also shown.                          |
| Working with Natural Processes (WwNP)        | This layer displays the Environment Agency's Working With Natural Processes (WwNP) layers.                                                                                                                                                                                                                                                                                                                                                     |
| Risk of Flooding from Rivers and Sea (RoFRS) | This layer displays the Environment Agency's Risk of Flooding from Rivers and Sea (RoFRS) dataset.                                                                                                                                                                                                                                                                                                                                             |
| Risk of Flooding from Surface Water (RoFSW)  | This layer displays the Environment Agency's Risk of Flooding from Surface Water (RoFSW) dataset. The low                                                                                                                                                                                                                                                                                                                                      |

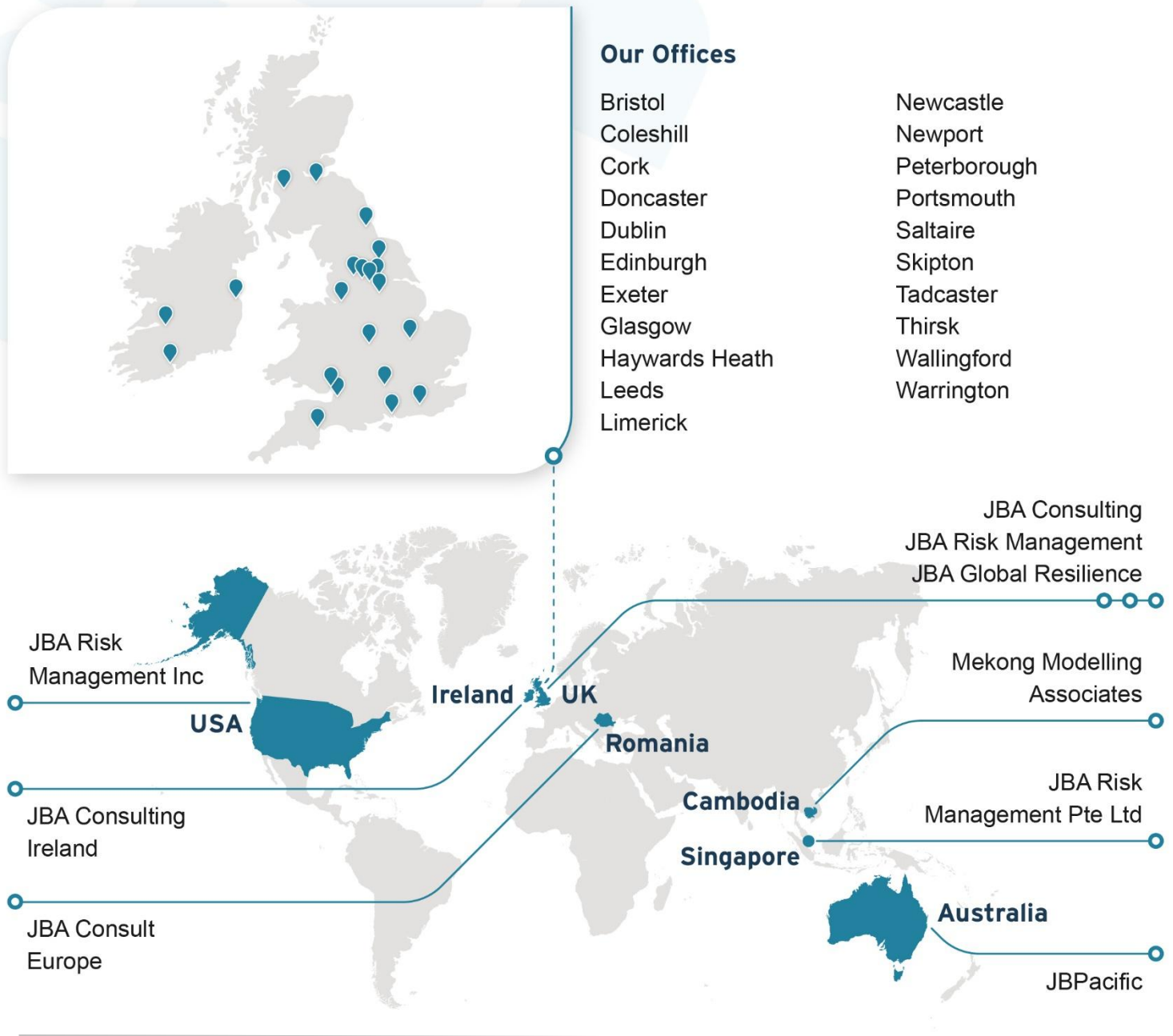
| Layer name                           | Explanation                                                                                           |
|--------------------------------------|-------------------------------------------------------------------------------------------------------|
|                                      | risk flood extent can be used as a proxy for the medium risk plus climate change flood extent.        |
| Groundwater Emergence                | This layer displays JBA's Groundwater Emergency Map.                                                  |
| Bledington Brook 2012                | This layer displays the modelled flood outlines from the Bledington Brook 2012 model*.                |
| Churn (Baunton to Siddington) 2011   | This layer displays the modelled flood outlines from the Churn (Baunton to Siddington) 2011 model*.   |
| Daglingworth Stream FRA 2016         | This layer displays the modelled flood outlines from the Daglingworth Stream FRA 2016 model*.         |
| Windrush (Bourton-on-the-Water) 2014 | This layer displays the modelled flood outlines from the Windrush (Bourton-on-the-Water) 2014 model*. |
| Thames (MRL to St Johns) 2014        | This layer displays the modelled flood outlines from the Thames (MRL to St Johns) 2014 model*.        |

\* In the legend of the modelled flood outline layers, Q100, Q100 + CC43 etc. refers to the fluvial 100-year and fluvial 100-year plus 43% climate change events. In hydrology, Q used to represent flow, so Q100 means the flow during a 100-year event.

### Our Offices

Bristol  
Coleshill  
Cork  
Doncaster  
Dublin  
Edinburgh  
Exeter  
Glasgow  
Haywards Heath  
Leeds  
Limerick

Newcastle  
Newport  
Peterborough  
Portsmouth  
Saltaire  
Skipton  
Tadcaster  
Thirsk  
Wallingford  
Warrington



### Registered Office

1 Broughton Park  
Old Lane North  
Broughton  
SKIPTON  
North Yorkshire  
BD23 3FD  
United Kingdom

+44(0) 1756 799919  
[info@jbaconsulting.com](mailto:info@jbaconsulting.com)  
[www.jbaconsulting.com](http://www.jbaconsulting.com)

Follow us on  

Jeremy Benn  
Associates Limited  
Registered in  
England  
3246693

JBA Group Ltd is  
certified to  
ISO 9001:2015  
ISO 14001:2015  
ISO 27001:2022  
ISO 45001:2018

