

Eco Impact Checklist

| Title of report: Frome Catchment Innovation Programme | | | | |
|--|----------------|---------------------|---|---|
| Report author: Matthew Sugden | | | | |
| Anticipated date of key decision 7th June 2022 | | | | |
| Summary of proposals: | | | | |
| Will the proposal impact on... | Yes/ No | +ive or -ive | If Yes... | |
| | | | Briefly describe impact | Briefly describe Mitigation measures |
| Emission of Climate Changing Gases? | Yes | -ive | There will be some emission of climate changing gases through the use of tools and vehicles and the embodied emissions in any hard landscaping. | Travel will be minimised through project planning and hard landscaping materials will be low in embodied emissions or be BRE Green Guide A or B rated materials and products where possible. |
| | | +ive | Some planting measures are likely to sequester carbon dioxide from the atmosphere. Less flooding will mean fewer potential emissions from goods and materials and properties damaged or ruined. | The projects will be designed to measure the impact of emissions from works and sequestration from planting and achieve as favourable a balance as possible over the lifetime of the implemented features. <i>[Carbon factors are available for mileage by vehicle type, construction material embodied emissions and sequestration from planting].</i> |
| Bristol's resilience to the effects of climate change? | Yes | +ive | The programme will increase resilience to flooding (the risk of which is increased by climate change) | |
| Consumption of non-renewable resources? | Yes | -ive | Construction activities may require consumption of non-renewable resources. | Detailed designs to be supported by carbon assessments and designing out consumption of non-renewable resources. Hard landscaping |

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| | | | | materials will be low in embodied emissions or be BRE Green Guide A or B rated materials and products where possible. |
| Production, recycling or disposal of waste | Yes | +ive | Less flooding will mean less waste as fewer goods, materials and properties damaged or ruined. | |
| The appearance of the city? | Yes | +ive | The appearance of the lower river Frome in St Judes is proposed to be improved. Sustainable drainage measures aim to increase green infrastructure provision | |
| Pollution to land, water, or air? | Yes | +ive -ive | Measures to reduce sewer overflows to the river are included in the proposals. Construction activity will increase the risk of pollution to water during the works. | A construction-phase management plan will detail the measures to manage risk of pollution to watercourses and a suitable response plan in case an incident occurs that may cause or has caused pollution. This should be based on the council's spill response procedure. |
| Wildlife and habitats? | Yes | +ive | Measures to improve the habitat in and around the river Frome are included in the proposals | The projects will be designed to measure and increase biodiversity net gain significantly. |
| Consulted with: | | | | |
| Summary of impacts and Mitigation - <u>to go into the main Cabinet/ Council Report</u> | | | | |

The significant impacts of this proposal are to reduce flooding and the damage it causes, while improving the appearance and biodiversity of sections of the river. There are risks from embodied emissions and pollution from working near water during the project and carbon sequestration from planting after the project has been implemented.

The following measures to mitigate the impacts will be implemented: the projects will be designed to control travel, the embodied emissions of the materials used, and any potentially polluting processes, to minimise environmentally harmful impacts. The projects will be designed to increase biodiversity net gain and carbon sequestration using nature based solutions to enhance environmental benefits.

The net environmental effects of the proposals are far more likely to be beneficial than not over the lifetime of the installed features.

Checklist completed by:

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| Date: | 23/03/2022 |
| Verified by Environmental Performance Team | Giles Liddell, Project Manager - Environmental |