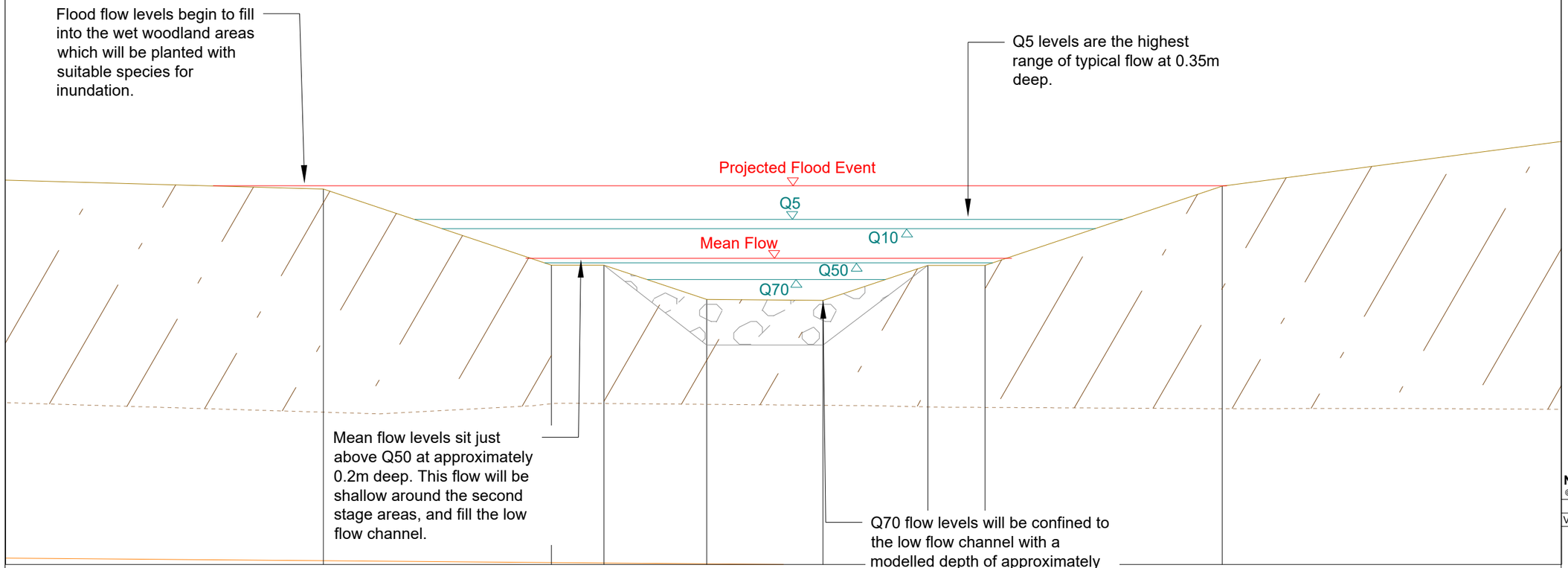



Q values refer to the percentage exceedance time. Q95 is a value that is exceeded 95% of the year, so when flows are at almost their lowest. Q5, conversely, is only exceeded 5% of the year, therefore represents the highest level of “normal” flow range.

Mean flow is the average flow of the river, this is slightly different from Q50 as it takes into account peak flows, which can skew the mean flow to be higher than Q50. Typically these values are fairly similar, as we can see here.

## Key:

- Existing Bed
- Existing Silt Level
- Proposed Bed
- Proposed Gravel

## General Notes:

1. All dimensions shown in metres unless otherwise stated and levels in metres to ordnance datum (mAOD).
2. Utility search undertaken in June 2026 for the design phase of the project.
3. Relevant consent to be sought before the construction phase.
4. Construction works to be undertaken by a competent contractor with experience installing river and habitat restoration works.
5. Designs are semi-indicative. The exact location of proposed features should be determined onsite by a suitably qualified geomorphologist.
6. FiveRivers Environmental Contracting take no responsibility for the detrimental placement of in-channel features without appropriate supervision from a qualified geomorphologist.
7. Existing in-channel/marginal vegetation should be maintained wherever possible.

## Design Assumptions:

1. Design is based on the assumption that the Defra LiDAR is accurate and fit for purpose.
2. Design assumes there is appropriate access for required machinery to conduct necessary works.
3. Assumes no protected species on site.
4. Design assumes there are no hidden hard structures within the banks.
5. Design assumes site won material is suitable for use in channel.
6. Design assumes there is no negative impact on flood risk.

**NOT FOR CONSTRUCTION**

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| Ver. | Ver. Date | Status | Drawn | Check'd | Apprv'd |
|---|---|---|---|---|---|
| 4 | 09/10/2026 | FOR ISSUE | LT | ENJ | JE |

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Client
ALTON Town Council

Project
5080D - Kings Pond Phase 1

Title
Estimated Typical Flow Levels

Drawing number
5R-5080D-204

Scale
1:20 @ A3