

## Addendum to Note on Floodplain Compensation Storage provision north of Robertsbridge Station

### Introduction

Further to the 'Note on Floodplain Compensation Storage provision north of Robertsbridge Station' dated 28<sup>th</sup> July 2021 this addendum has been prepared to address the following queries:

1. "Slices" in table 1 - what does "elevation slice to be compensated for" in column 1 mean
2. Lowest ground level in purple boundary of Fig 1 is 9.65, however table starts at 9.53.
3. Graph at Figure 2 - how does this align with Figure 1 given the line stops at 10m?

This note should be read in conjunction with the original note referenced above.

### Response

#### 1- Slices

The slices as described in the aforementioned note are ranges – these are set out in the table below:

Table 1

Elevation slice to be compensated for, mAOD	Range
11.23	Above 11.23 mAOD
10.93	10.93-11.23 mAOD
10.63	10.63-10.93 mAOD
10.33	10.33-10.63 mAOD
10.03	10.03-10.33 mAOD
9.73	9.73-10.03 mAOD
9.53	9.53-9.73 mAOD

#### 2- Lowest ground level in purple boundary of Fig 1 is 9.65

The note states that the lowest ground elevation within the purple boundary is 9.56 mAOD. However, the table suggests that floodplain compensation may be required down to 9.53m AOD. The intention of the note is to identify areas that provide a viable quantum of floodplain compensation to meet the potential needs of the scheme and illustrate that associated Planning Condition is demonstrably deliverable. The focus of the note is on those areas of floodplain compensation at higher elevations which are rarer. There is an abundance of opportunities for land around the 9.53-9.56m level that are suitable for floodplain compensation under the control of RVR. Most evident of these would be the slight extension of the purple boundary towards the existing ditch along its northern boundary.

Elevations in this area fall to 9.43mAOD and could easily accommodate an area of floodplain compensation down to 9.53mAOD without creating a pond feature.

As stated in the note the final calculations on volumes for floodplain compensation are not possible until the detailed design is available. However, the note (along with this addendum) clearly show that a viable quantum of floodplain compensation to meet the potential needs of the scheme is available for the delivery of the associated Planning Condition.

### 3- Graph in Figure 2

The profile shown in Figure 2 of the aforementioned note shows a 20.7m long transect of the existing ground levels from LIDAR data for part of the land north of Robertsbridge Station identified for floodplain compensation storage (edged in purple on the Figure below). The area in purple measures approximately 100m by 75m. Figure 2 isn't intended to be a full transect of the area. It is intended to illustrate the range of elevations across the part of the site with the greatest range. The transect shows a range from 9.76mAOD to 21.87mAOD. If the line were extended to the north west by a further ~50m it would show elevations falling across the site down towards 9.65mAOD albeit at a shallower gradient.

The approximate location and scale of the transect is shown in the Figure below as the black line.



Figure A - Approximate location of transect