

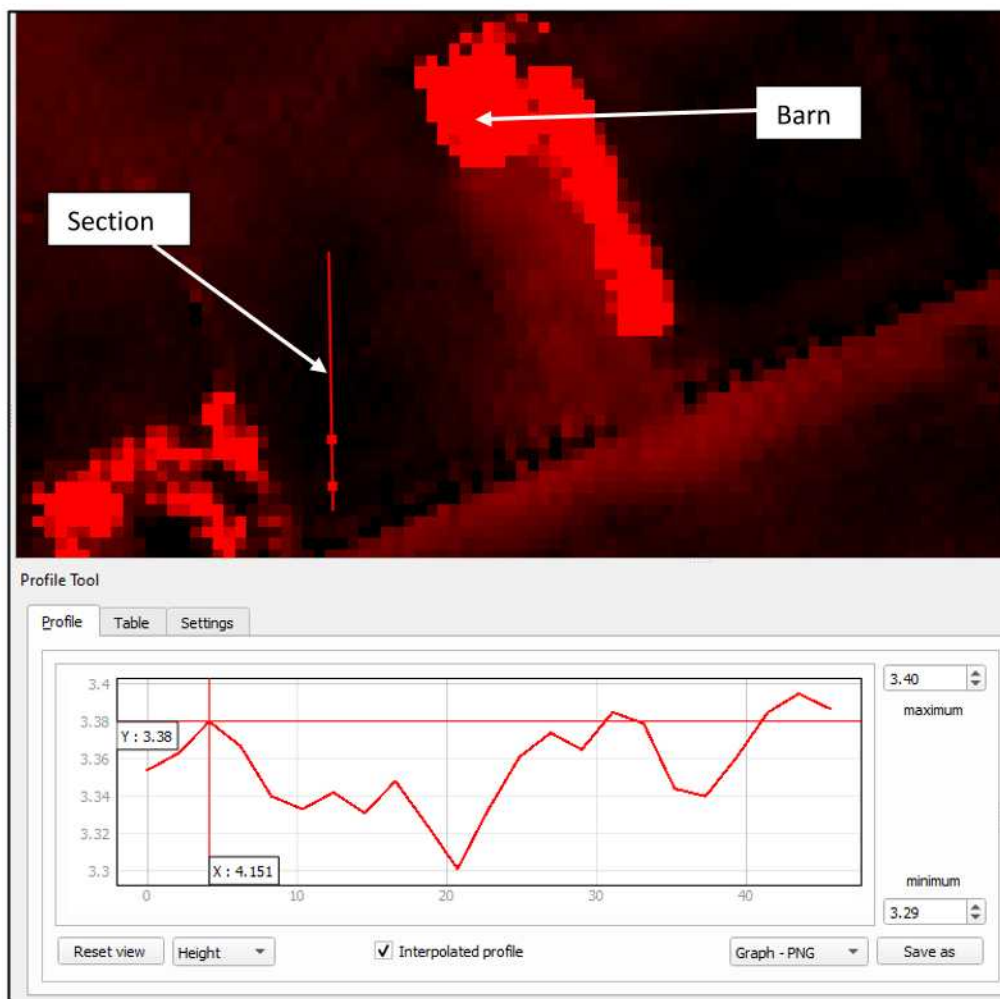
Ellingham Consulting Ltd

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Residential Development, Middle Drove, Gedney (Environment Agency ref AN/2021/132382/01-L01)

This note has been prepared to respond to the Environment Agency letter of 21 October 2021. We provide the details demonstrating how a breach level of +4.3m OD has been estimated and a cross-section of the site.

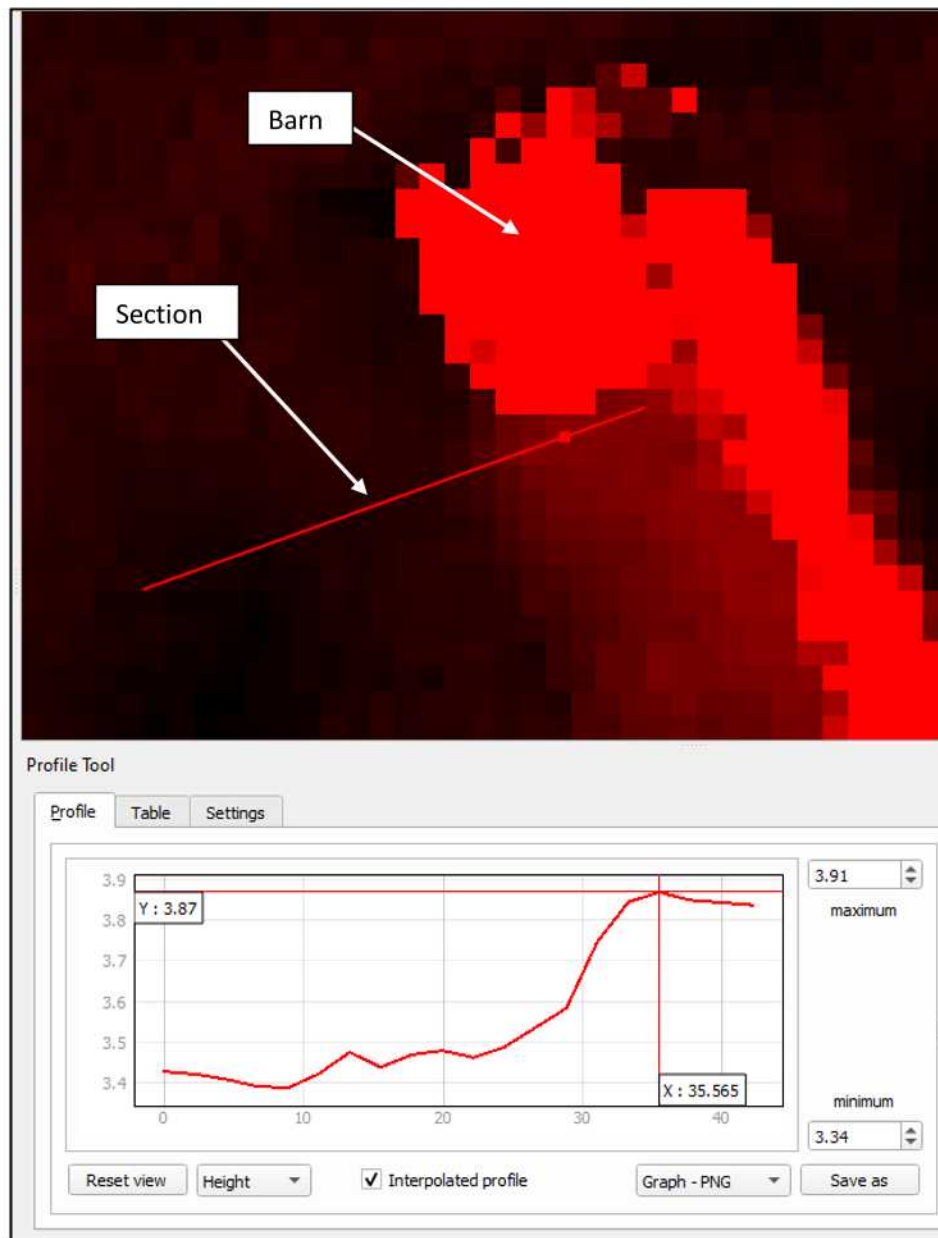
Figure 3 within the Flood Risk Assessment shows that the land to the west of the site has a residual peak depth of between 0.5m and 1.0m. The image below has been prepared using EA LiDAR and shows the profile of the land to the west of the site. Based upon ground levels between +3.3m and +3.4m OD a residual flood level of +4.3m OD was estimated.



A similar cross section has been taken on the southern side of the barn. This shows that ground levels on the southern side of the barn are typically +3.9m OD and indicates that the typical site level is +3.4m OD.

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Based upon the residual flood level of +4.3m OD a flood depth of 0.4m has been estimated on the southern side of the barn. Due to the existing structure the maximum height that the floor can be raised is estimated to be 0.2m above ground levels on the southern side of the barn. This is a level of approximately +4.1m OD.

We trust that this Note provides sufficient information to overcome the Environment Agency objection.

Tim Ellingham
2 November 2021