

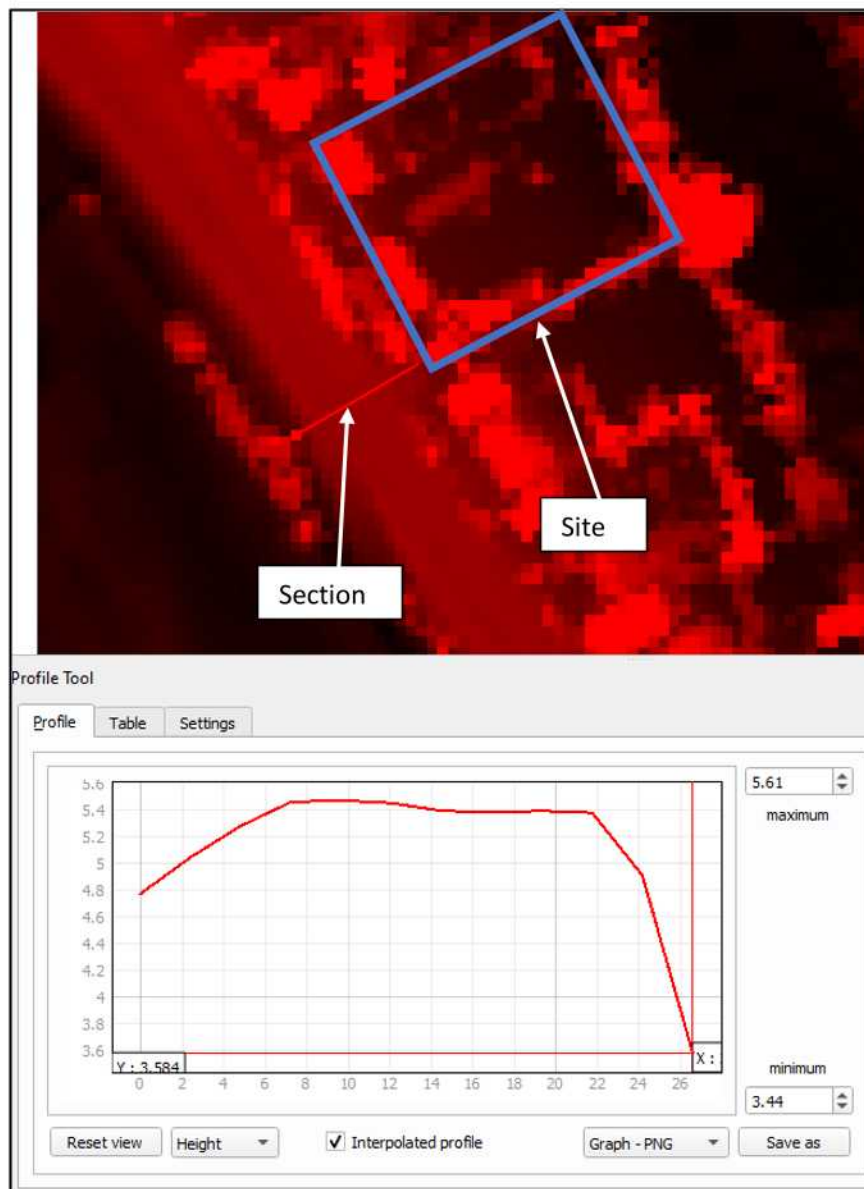
Ellingham Consulting Ltd

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Residential Development, Barrier Bank, Cowbit (Environment Agency ref AN/2021/131932/01-L01)

This note has been prepared to respond to the Environment Agency letter of 5 July 2021. It has been prepared following discussion with the Environment Agency.

We provide the details demonstrating that the bank adjacent to the site has a crest width of 15m. The image below has been prepared using EA LiDAR and shows the profile of the bank at the entrance to the site. We also provide a photograph of the bank, the red tile building on the right of the picture is at the front of the site.



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In addition to considering the bank adjacent to the site we have considered the bank to the north (downstream) and south (upstream) of the site. The following table provides details of the crest width and level.

Location	Crest Width	Crest Level
200m north of the site	24m	+5.5m OD
100m north of the site	22m	+5.5m OD
Adjacent to the site	15m	+5.4m OD
100m south of the site	13m	+5.4m OD
200m south of the site	16m	+5.3m OD

We consider that the crest width at the site and in the vicinity of the site significantly reduces the probability of a breach in this area. As such we consider that the mitigation measures proposed in the FRA are appropriate.

Tim Ellingham
31 August 2021