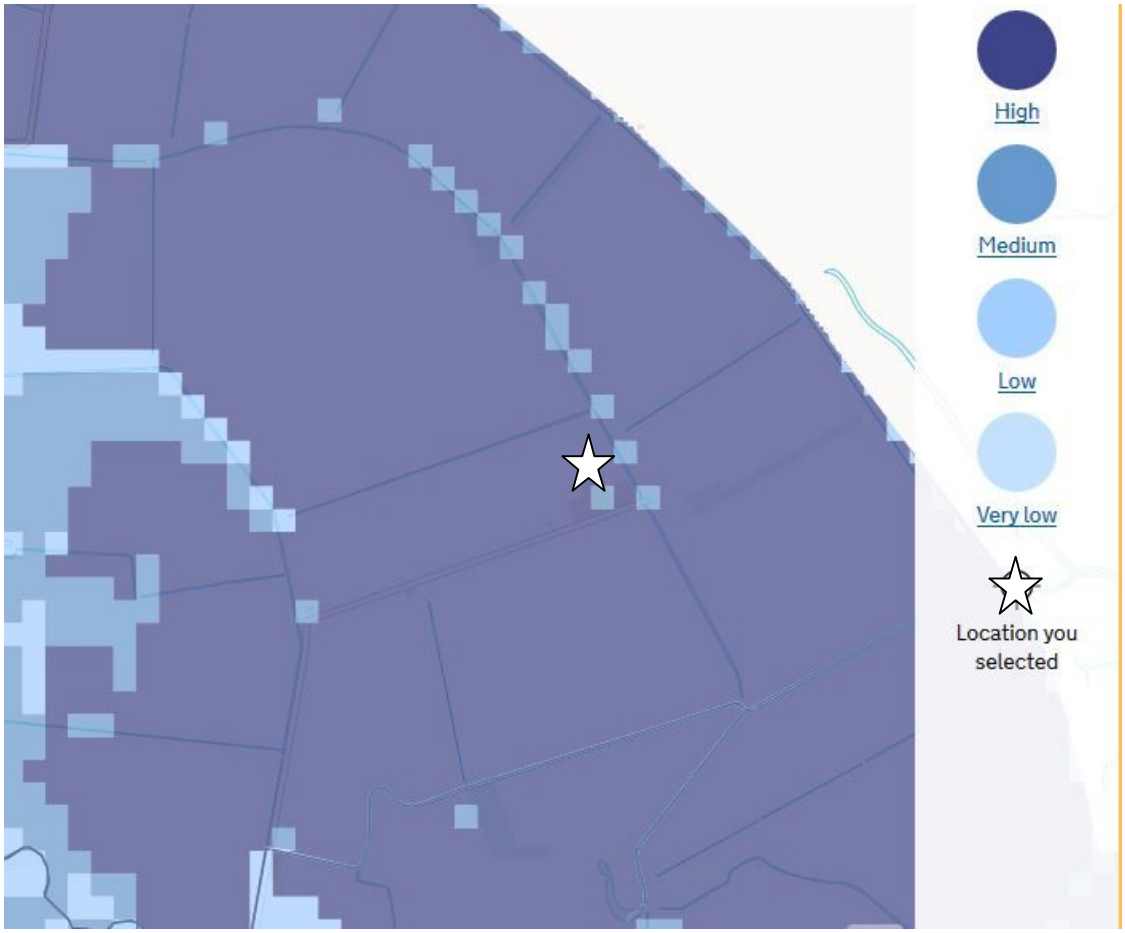
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Flood risk assessment for proposed plastic clad tunnel structures at Brown's Farm, *Gedney Drove End, PE12 9NN.*

1. Background

The proposed development comprises a small (960m2) plastic clad greenhouses in a field currently in continuous arable production.



Due to the nature of the structure and use there is no concern of flood risk consequences to the structure or cropping, thus the only issue is avoiding increased discharge to the IDB drainage system.

The EA site data shows it as high risk from sea flooding – see above map.

2. Site data (EA)

2.1 Classification

The site is EA zone 3.

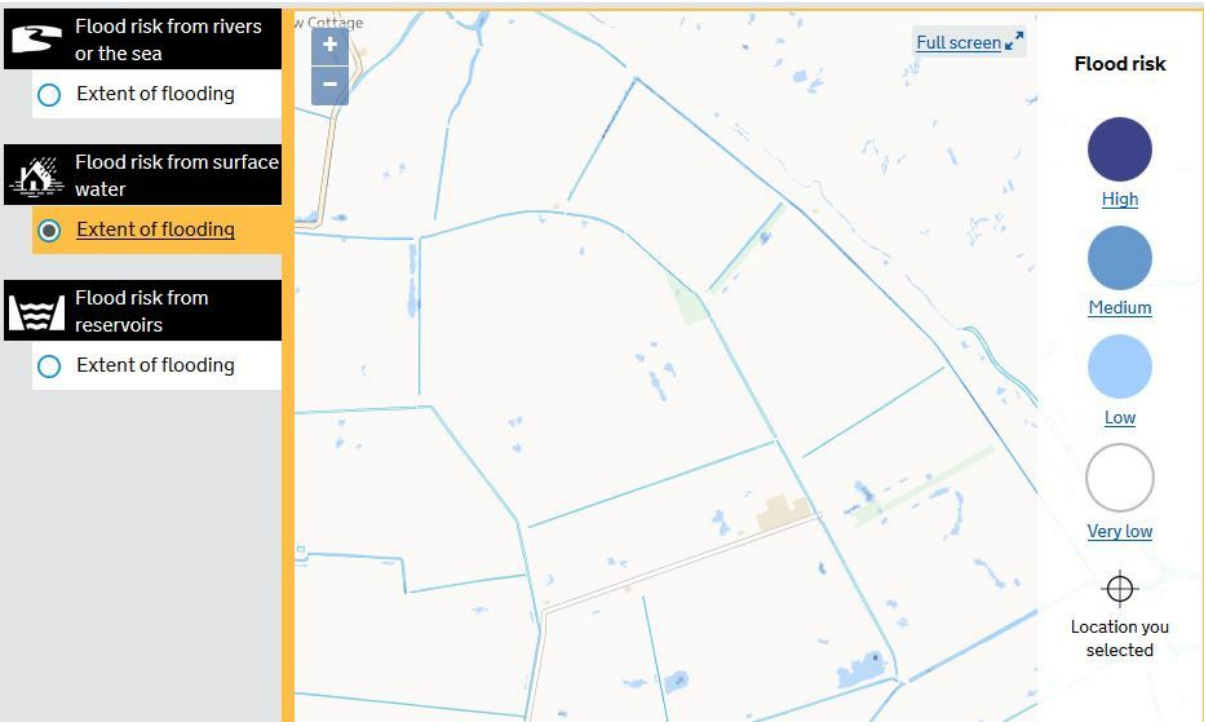
Standard Average Annual Rainfall (SAAR) is 574mm.

2.2 Flood risk from sea or rivers

The risk of flooding from sea or river is categorised as HIGH, see map above.

2.3 Risk of flooding from surface water.

The majority of the site is classified as VERY LOW risk, with a few small pockets of LOW risk outside of the proposed development area, see map below.



Risk of flooding from reservoirs is also classified as very low.

2.4 Conclusion

This is a low risk development, as it retains the site in agricultural production and is not for habitation, with only short term and intermittent occupancy by workers.

There is a low risk of flooding from surface water, the removal of which is maintained by the IDB system. The site is classified as having a high risk of sea flooding, although in reality the IDB drainage system is the arbiter of all flood risk.

The design as laid out in the associated document “Drainage” can contain all the predicted rainfall including the Climate Change Allowance.

According to the EA assessments there is low risk of flooding within the proposed area, which is only shallow surface water ponding. This is not a significant issue for the development proposed. Ultimately all risk of flooding depends upon the IDB system, and this proposal has no effect on their system (actually a slight reduction in volumes for them).

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22.10.19