

PINS Document Number: EN010140/APP/7.5

Flood Risk Assessment

April 2025



# HELIOS RENEWABLE ENERGY PROJECT FLOOD RISK ASSESSMENT

# **ENSO GREEN HOLDINGS D LIMITED**

**DOCUMENT REFERENCE NUMBER: 7.7** 

PART 6 OF 6

**APPENDICES 26 - 32** 

PFA Document Reference: E216-DOC01-FRA-ISSUE 3

**MARCH 2025** 

The scaling of this drawing cannot be assured

Revision C Red Line Updated Date Drn Ckd 17.06.24 KT JG

## **LEGEND**

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Site Location



Helios Red Line Boundary



5km Study Area



Selby District Boundary



Flood Zone 2



Flood Zone 3

Project Helios Renewable Energy Project

Drawing Title
Flood Map

 Date
 Scale
 Drawn by
 Check by

 17.06.24
 1:50,000@A3
 KT
 TE

 Project No
 Drawing No
 Revision

 33627
 BL-M-04
 C

 500
 1500
 2500m



Stantec

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PFA Consulting Ltd		Page 1
Stratton Park House	E216: Helios Renewable Energy	
Wanborough Road	Greenfield Runoff	The same
Swindon SN3 4HG		Micro
Date 26/05/2023 13:54	Designed by BF	Drainage
File	Checked by	Diali lade
XP Solutions	Source Control 2020.1.3	'

#### IH 124 Mean Annual Flood

#### Input

 Return
 Period (years)
 1
 Soil
 0.300

 Area (ha)
 297.739
 Urban
 0.000

 SAAR (mm)
 625
 Region
 Number
 Region
 3

## QBAR Rural 390.5 QBAR Urban 390.5 Q1 year 335.9 Q1 year 368.5 Q5 years 488.2 Q10 years 566.3 Q20 years 641.4 Q25 years 666.3 Q30 years 686.5 Q50 years 739.7 Q100 years 921.7 Q250 years 956.8 Q1000 years 956.8

PFA Consulting Ltd		Page 1
Stratton Park House	E216: Helios Renewable Energy	
Wanborough Road	Post Development Runoff	The same of
Swindon SN3 4HG		Micro
Date 26/05/2023 13:54	Designed by BF	Drainage
File	Checked by	Diamage
XP Solutions	Source Control 2020.1.3	•

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Results

### QBAR Rural 390.5 QBAR Urban 391.4 Q1 year 336.6 Q2 years 369.4 Q5 years 489.3 Q10 years 567.5 Q20 years 642.7 Q25 years 667.6 Q30 years 687.9 Q50 years 741.1 Q100 years 923.3 Q250 years 923.3 Q250 years 958.5 Q1000 years 1189.1









