

PINS Document Number: EN010140/APP/7.5

Flood Risk Assessment

February 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 2

FEBRUARY 2025

The scaling of this drawing cannot be assured

Revision C Red Line Updated

Date Drn Ckd 17.06.24 KT JG

LEGEND

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 17.06.24

Scale 1:50,000@A3 Project No Drawing No 33627 BL-M-04



Stantec UK Limited 101 Victoria Street Bristol BS1 6PU T: 0117 929 9677

Drawn by Check by KT TE



PFA Consulting Ltd		Page 1
Stratton Park House	E216: Helios Renewable Energy	
Wanborough Road	Greenfield Runoff	100
Swindon SN3 4HG		Mirro
Date 26/05/2023 13:54	Designed by BF	Drainage
File	Checked by	niamade
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

Results 1/s QBAR Rural 390.5 QBAR Urban 390.5 Q1 year 335.9 Q1 years 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 739.7 Q100 years 921.7 Q250 years 956.8 Q1000 years 1187.3

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	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 0.001
SAAR (mm) 625 Region Number Region 3

1/s

Results

QBAR Rural 390.5 QBAR Urban 391.4 Q1 year 336.6 Q1 year 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









