

- Site Boundary
- Study Area (1 km buffer)
- Site Infrastructure
  - BESS
  - Temporary Construction Compound
  - OM Building
  - TSO Substation
  - Customer Substation
  - PV Module
  - Transformers
  - Hedgerow
  - Internal Access Track
  - Power Conversion
  - Storage Container
  - Tesla Megapack
  - Fence

0 100 200 300 400 500  
Metres

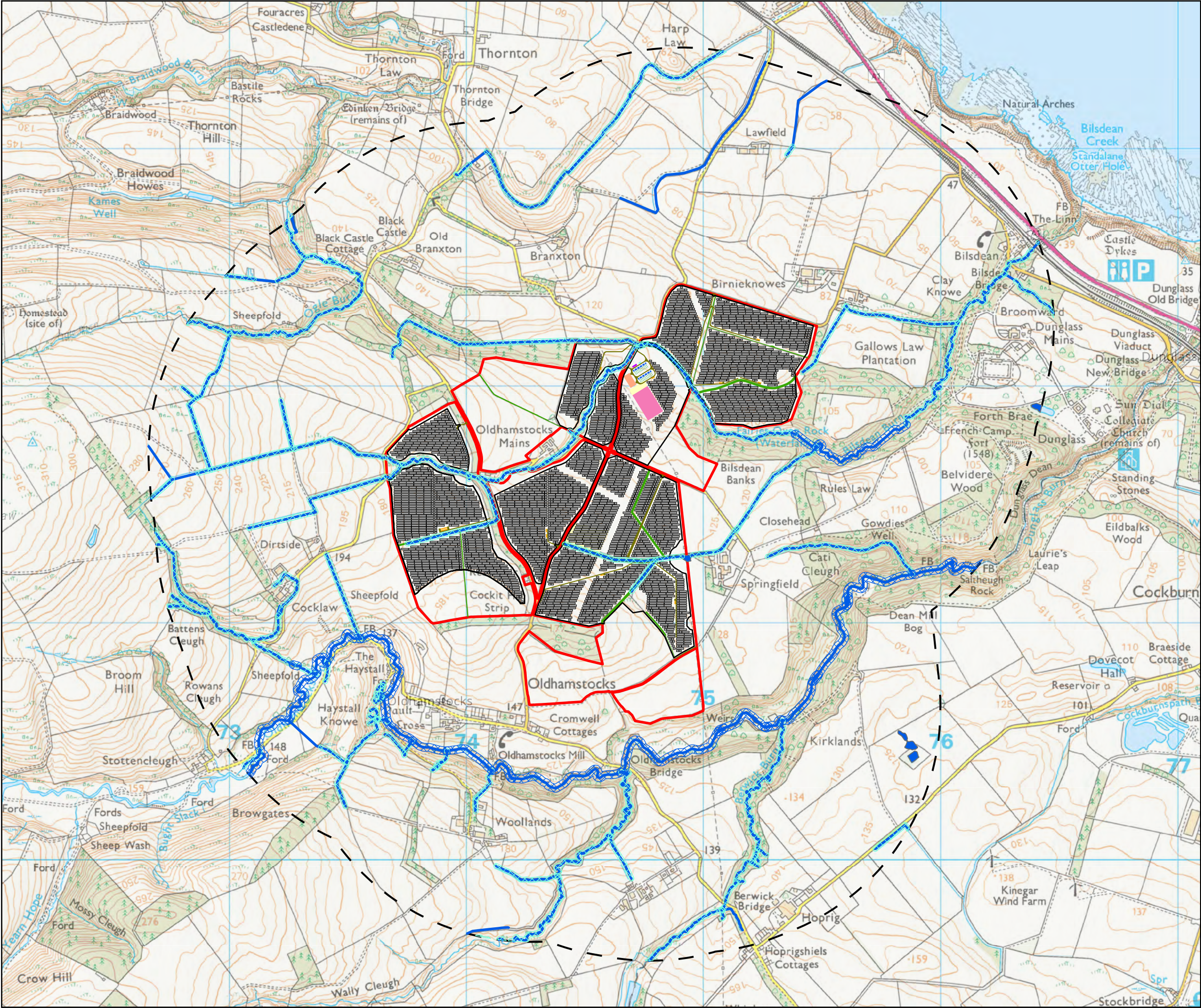


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DATE: 6/4/2025

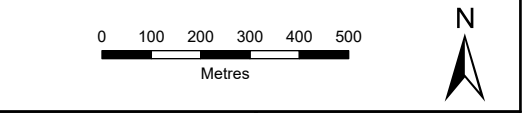
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CHECKED: MW  
APPROVED: RO

**Springfield Solar Farm and BESS  
Hydrology  
Figure 9.1  
Study Area**



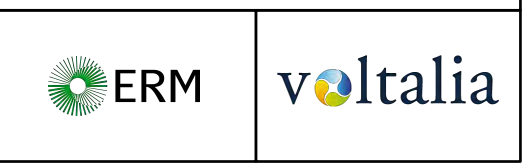


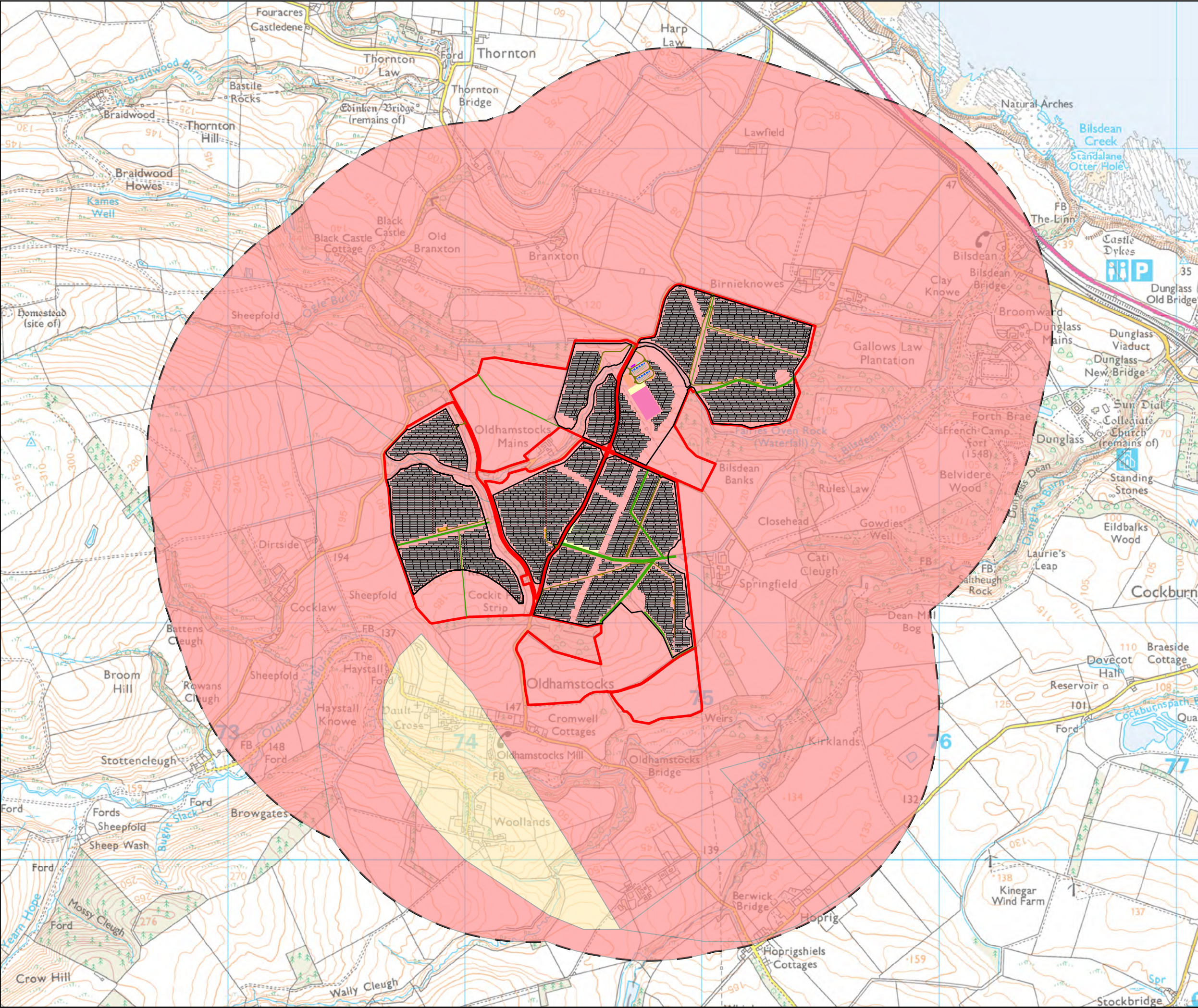
- Site Boundary
- Study Area (1 km buffer)
- Surface Waterbody
- Surface Watercourses
- SEPA Riparian Corridor
  - 10m Buffer
  - 15m Buffer
- Site Infrastructure
  - BESS
  - Temporary Construction Compound
  - OM Building
  - TSO Substation
  - Customer Substation
  - PV Module
  - Transformers
  - Hedgerow
  - Internal Access Track
  - Power Conversion
  - Storage Container
  - Tesla Megapack
  - Fence



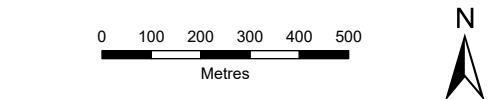
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PROJECT: 0733745	CHECKED: MW
DATE: 6/4/2025	APPROVED: RO

**Springfield Solar Farm and BESS Hydrology**  
**Figure 9.2**  
**Surface Watercourses and Waterbodies**





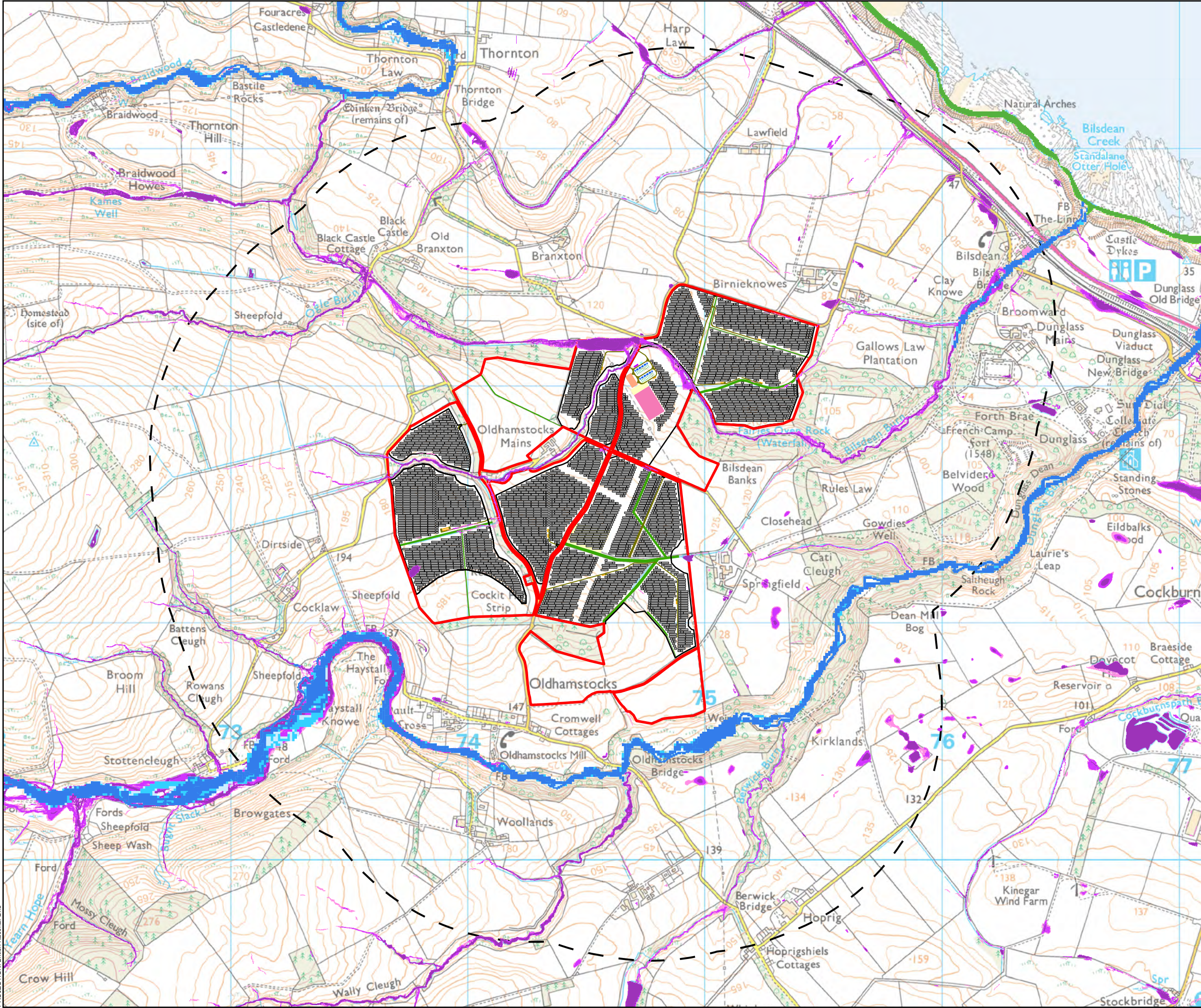
- Site Boundary
- Study Area (1 km buffer)
- Proposed Site Layout
  - BESS
  - Temporary Construction Compound
  - OM Building
  - TSO Substation
  - Customer Substation
  - PV Module
  - Transformers
  - Hedgerow
  - Internal Access Track
  - Power Conversion
  - Storage Container
  - Tesla Megapack
  - Fence
- BGS Hydrogeology 50k
  - Low productivity aquifer
  - Moderately productive aquifer
- Character



SCALE: See Scale Bar	VERSION: A01
SIZE: A3	DRAWN: JS
PROJECT: 0733745	CHECKED: MW
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**Springfield Solar Farm and BESS Hydrology**  
**Figure 9.3**  
**Hydrogeology**





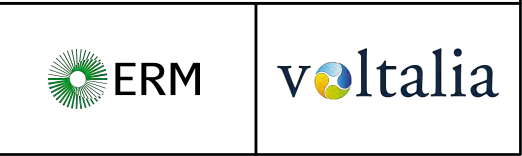
- Site Boundary
- Study Area (1 km buffer)
- Proposed Site Layout
  - BESS
  - Temporary Construction Compound
  - OM Building
  - TSO Substation
  - Customer Substation
  - PV Module
  - Transformers
  - Hedgerow
  - Internal Access Track
  - Power Conversion
  - Storage Container
  - Tesla Megapack
  - Fence
- Coastal Flood Risk
  - High Coastal Flood Risk Extent
  - Medium Coastal Flood Risk Extent
  - Low Coastal Flood Risk Extent
- River Flood Risk
  - High River Flood Risk Extent
  - Medium River Flood Risk Extent
  - Low River Flood Risk Extent
- Surface Water Flood Risk
  - High Surface Water Flood Risk Extent
  - Medium Surface Water Flood Risk Extent
  - Low Surface Water Flood Risk Extent

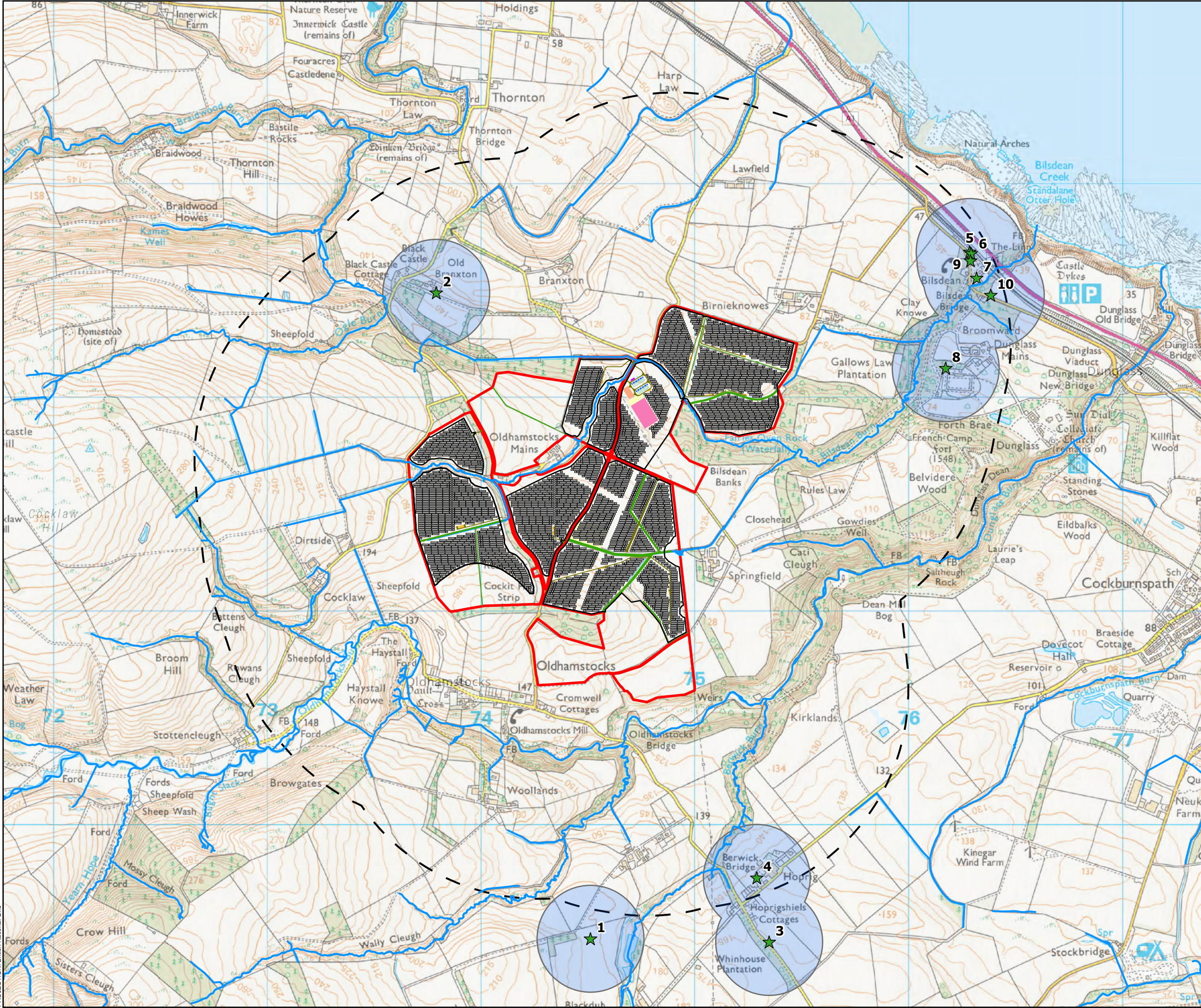
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PROJECT: 0733745	CHECKED: MW
DATE: 6/4/2025	APPROVED: RO

**Springfield Solar Farm and BESS Hydrology**  
**Figure 9.4**  
**SEPA Flood Maps**





- Site Boundary
- Study Area (1 km buffer)
- Private Water Supply Locations - Survey Response
- Private Water Supply (250 m buffer)
- Surface Watercourse
- Surface Waterbody
- Site Infrastructure
  - BESS
  - Temporary Construction Compound
  - OM Building
  - TSO Substation
  - Customer Substation
  - PV Module
  - Transformers
  - Hedgerow
  - Internal Access Track
  - Power Conversion
  - Storage Container
  - Tesla Megapack
  - Fence

0 100 200 300 400 500  
Metres

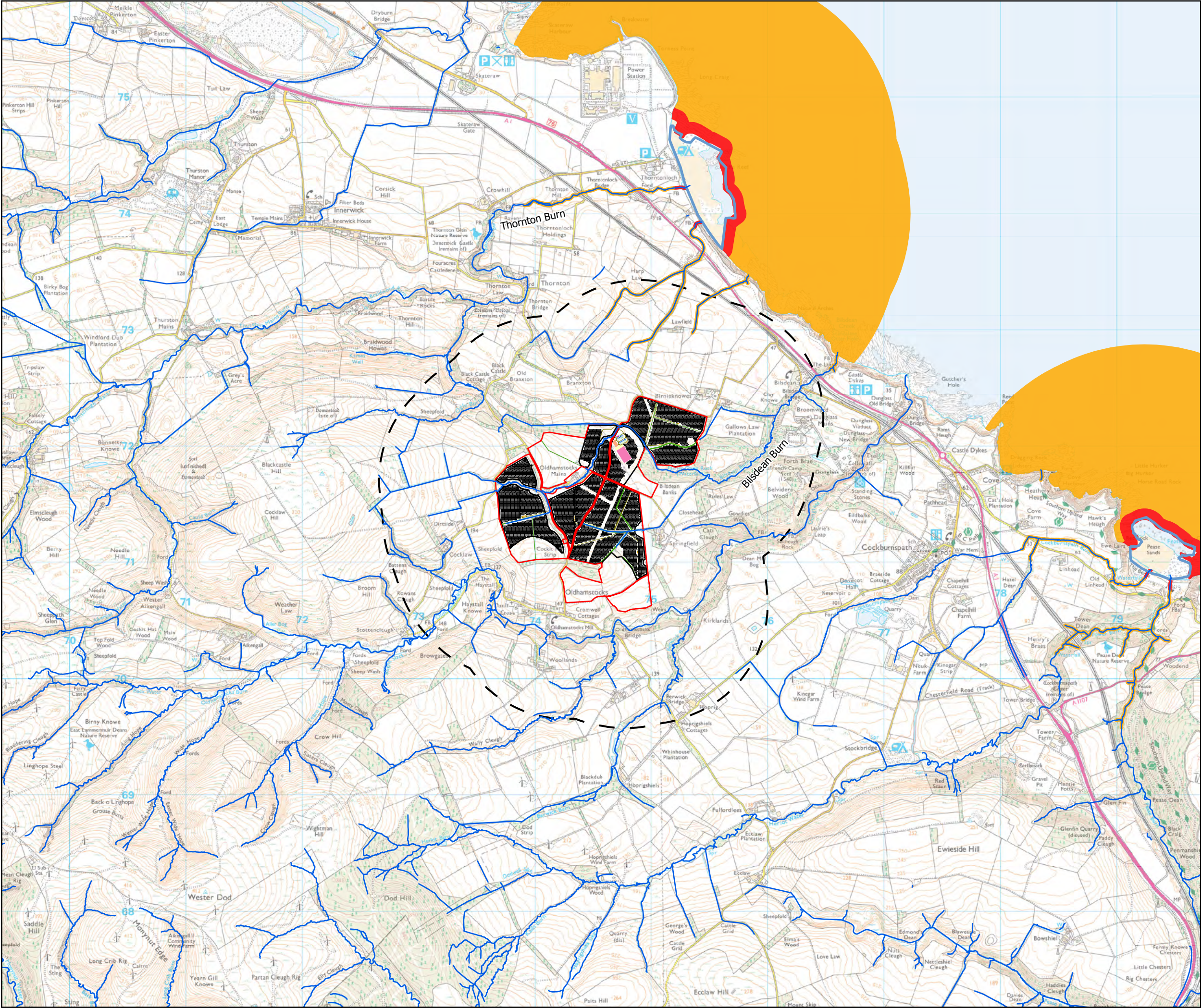


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DATE: 6/4/2025

VERSION: A01  
DRAWN: JS  
CHECKED: MW  
APPROVED: RO

**Springfield Solar Farm and BESS  
Hydrology  
Figure 9.5  
Private Water Supplies**





Site Boundary

Study Area (1 km buffer)

Proposed Site Layout

BESS

Temporary Construction Compound

OM Building

TSO Substation

Customer Substation

PV Module

Transformers

Hedgerow

Internal Access Track

Power Conversion

Storage Container

Tesla Megapack

Fence

SEPA Bathing Water Control Zones

Zone Type

Inner Zone (100 m)

Outer Zone (1,500 m)

SEPA Bathing Water Areas

Excellent

Surface Watercourse

02505007501,0001,250

Metres

N

SCALE: See Scale Bar

VERSION: A01

SIZE: A3

DRAWN: JS

PROJECT: 0733745

CHECKED: MW

DATE: 6/4/2025

APPROVED: RO

Springfield Solar Farm and BESS

Hydrology

Figure 9.6

SEPA Protected Bathing Water Areas

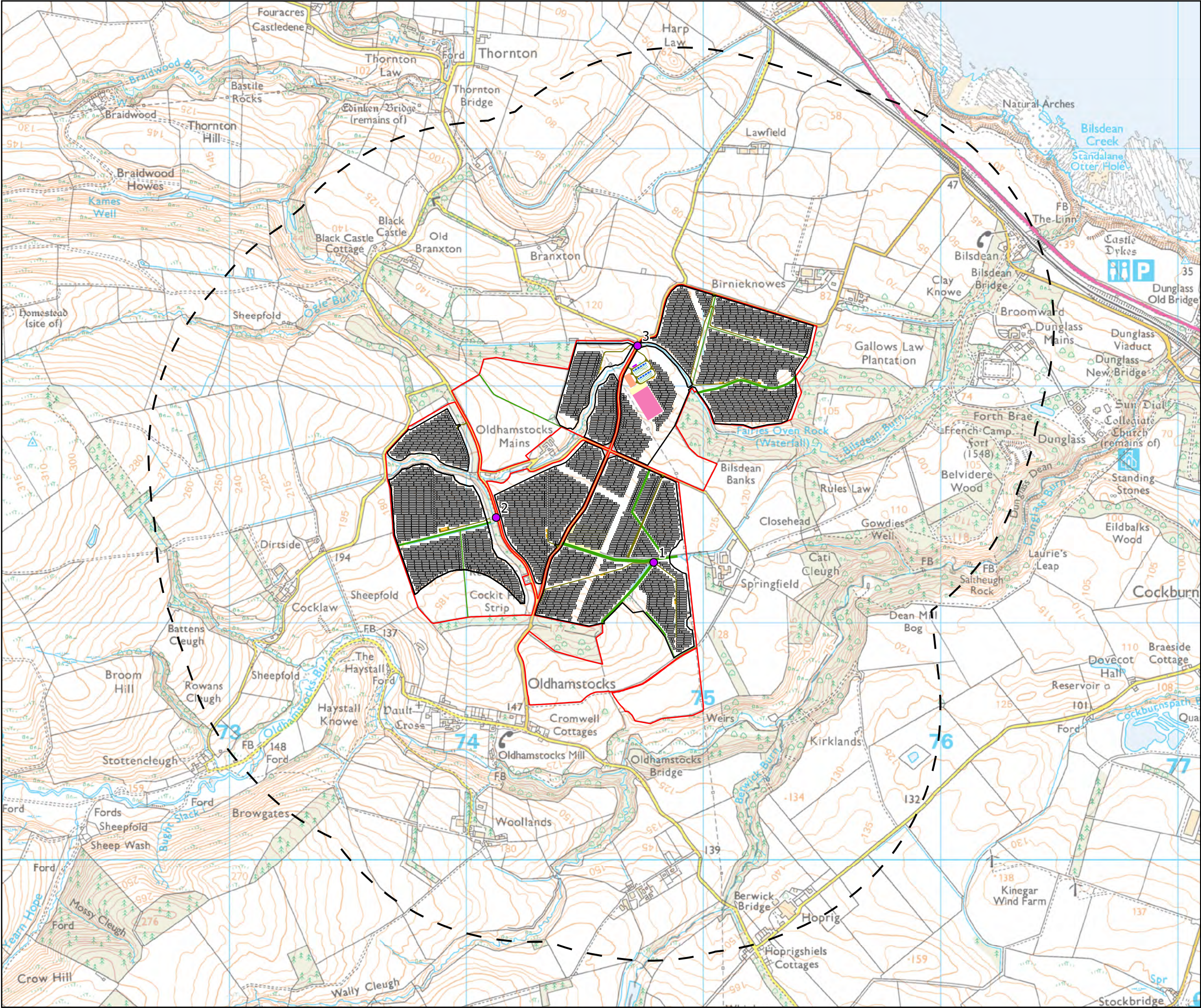
ERM

voltalia

PROJECTION: British National Grid

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Site Boundary

Study Area (1 km buffer)

Watercourse Crossings

Status

Existing

Name

BESS

Temporary Construction Compound

OM Building

TSO Substation

Customer Substation

PV Module

Transformers

Hedgerow

Internal Access Track

Power Conversion



Storage Container

Tesla Megapack

Fence

SCALE: See Scale Bar	VERSION: A01
SIZE: A3	DRAWN: JS
PROJECT: 0733745	CHECKED: MW
DATE: 6/4/2025	APPROVED: RO

**Springfield Solar Farm and BESS Hydrology**  
**Figure 9.7**  
**Watercourse Crossings**



PROJECTION: British National Grid

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