Meridian Solar Farm

EN010169

Volume 6

Environmental Statement

6.3 ES Appendix 11-3: Flood Risk Assessment - Annex D (Rev 2)

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

September **2026**

Annex D - Figures

Figure 1-1: Flood Zones 3a and 3b

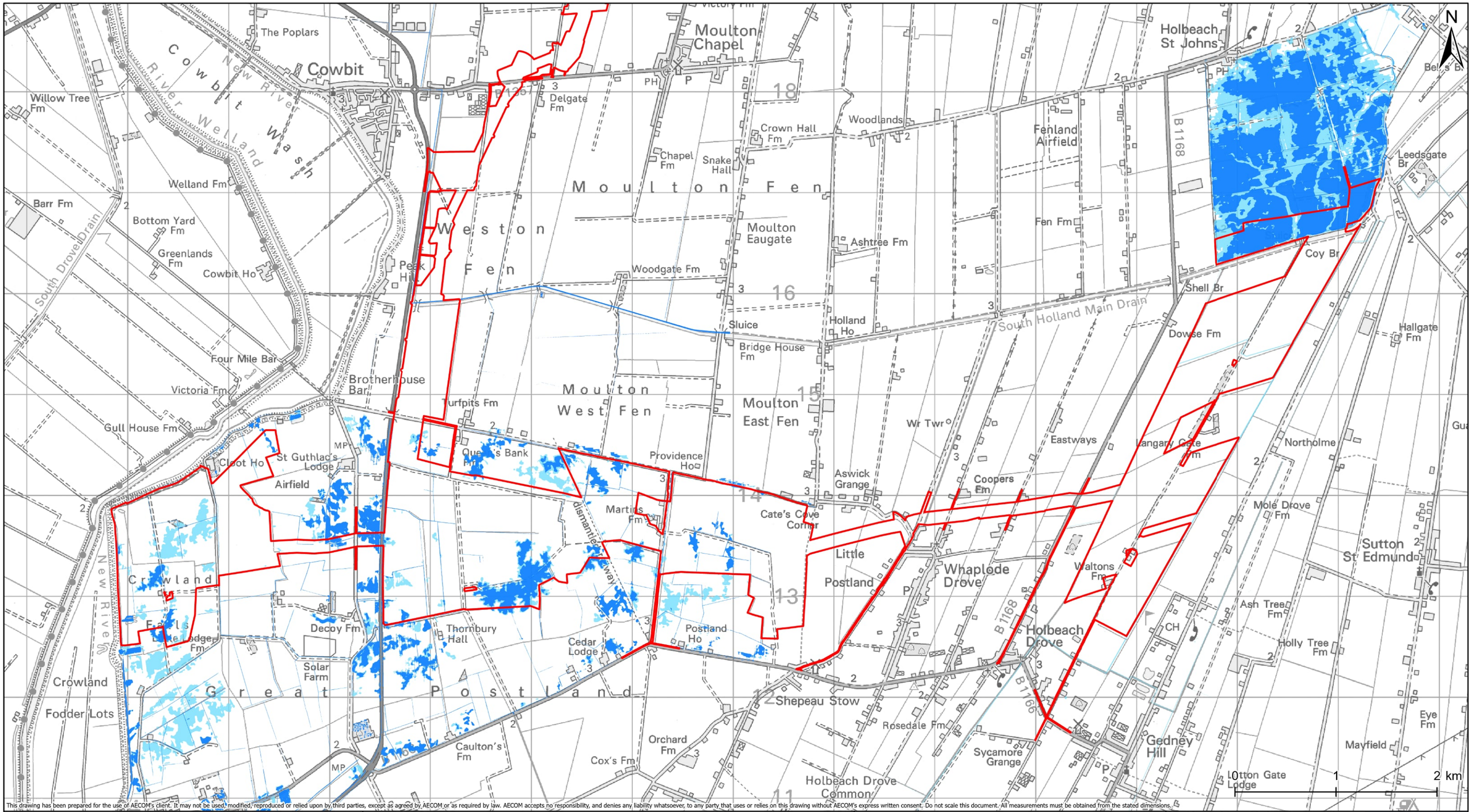
Figure 1-2: PV Panels Submerged Post-Mitigation of Increasing Heights

Figure 1-3: Solar Stations within Surface Water Flood Risk Areas

Figure 1-4: Illustration of Solar Panel Flood Mitigation Design Parameters

Figure 1-5: Illustration of Solar Station Flood Mitigation Design Parameters

Figure 1-6: Illustration of Relevant Tidal and Flood Defences Associated with the River Welland



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Figure 1-1: Flood Zones 3a and 3b

Scale @ A3	Version	Drawn	Reviewed
1:35,000	0	LL	AK

Legend

Order Limits

Flood Zones within the Postland Catchment and the South Holland Main Drain

3a

3b

Date: 20/03/2026

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Figure 1-2: PV Panels Submerged
Post-Mitigation of Increasing Panel Heights

Scale @ A3	Version	Drawn	Reviewed
1:35,000	0	LL	AK

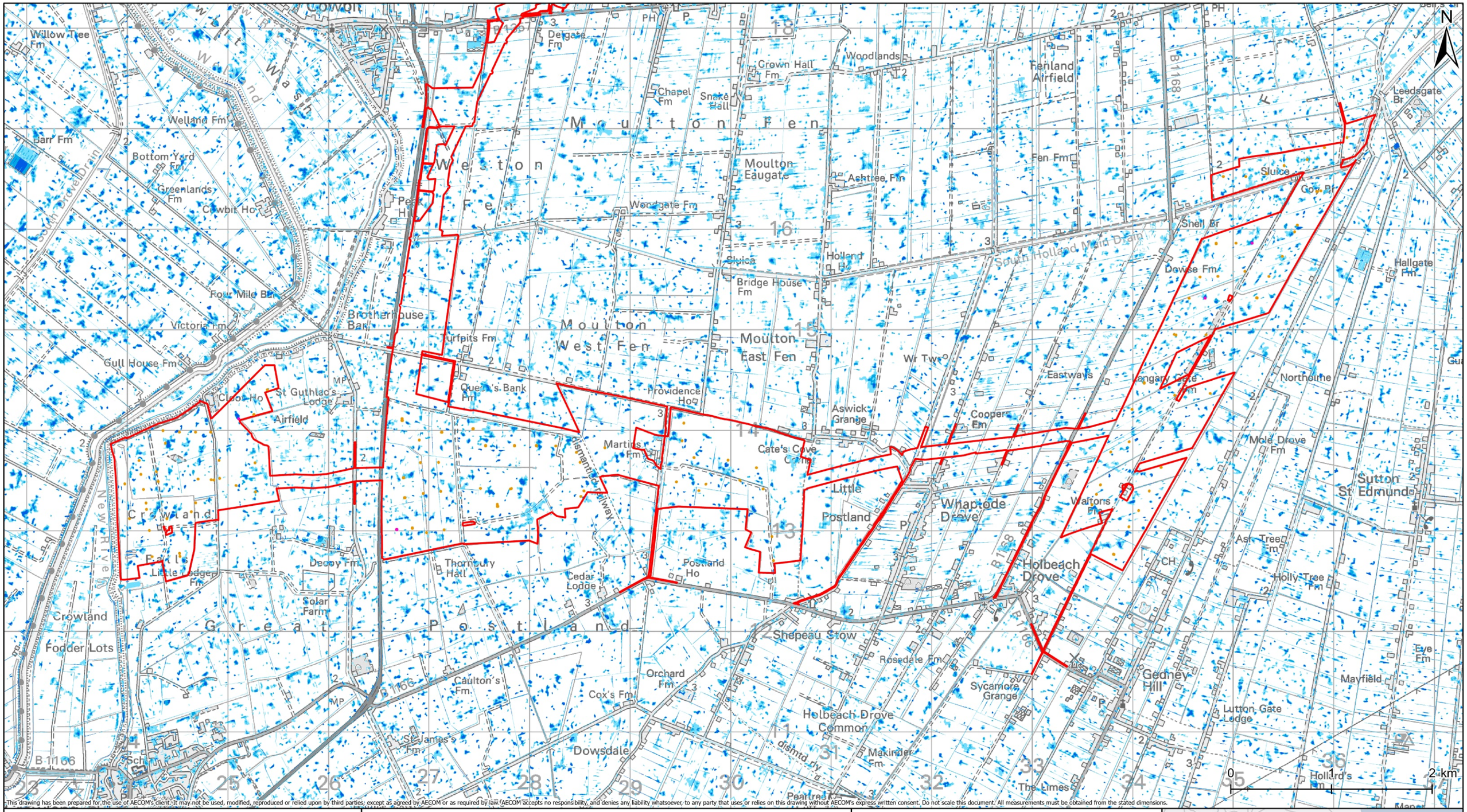
Legend

- Order Limits
- PV Panel submerged above a height of 2.05m
- PV Panel

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Figure 1-3: Solar Stations within Surface Water Flood Risk Areas

Scale @ A3	Version	Drawn	Reviewed
1:35,000	0	LL	AK

Legend

- Order Limits
- Solar Station
- Solar Station intersecting with High Flood Risk

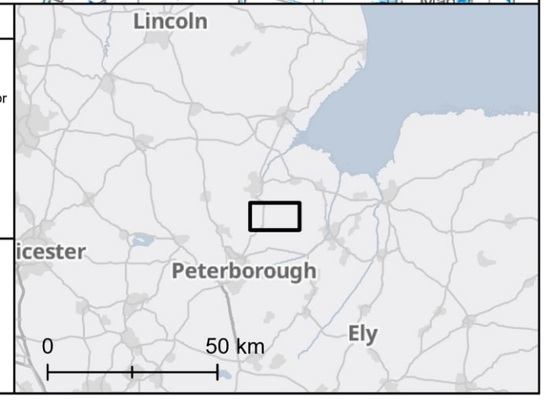
Risk of Flooding from Surface Water

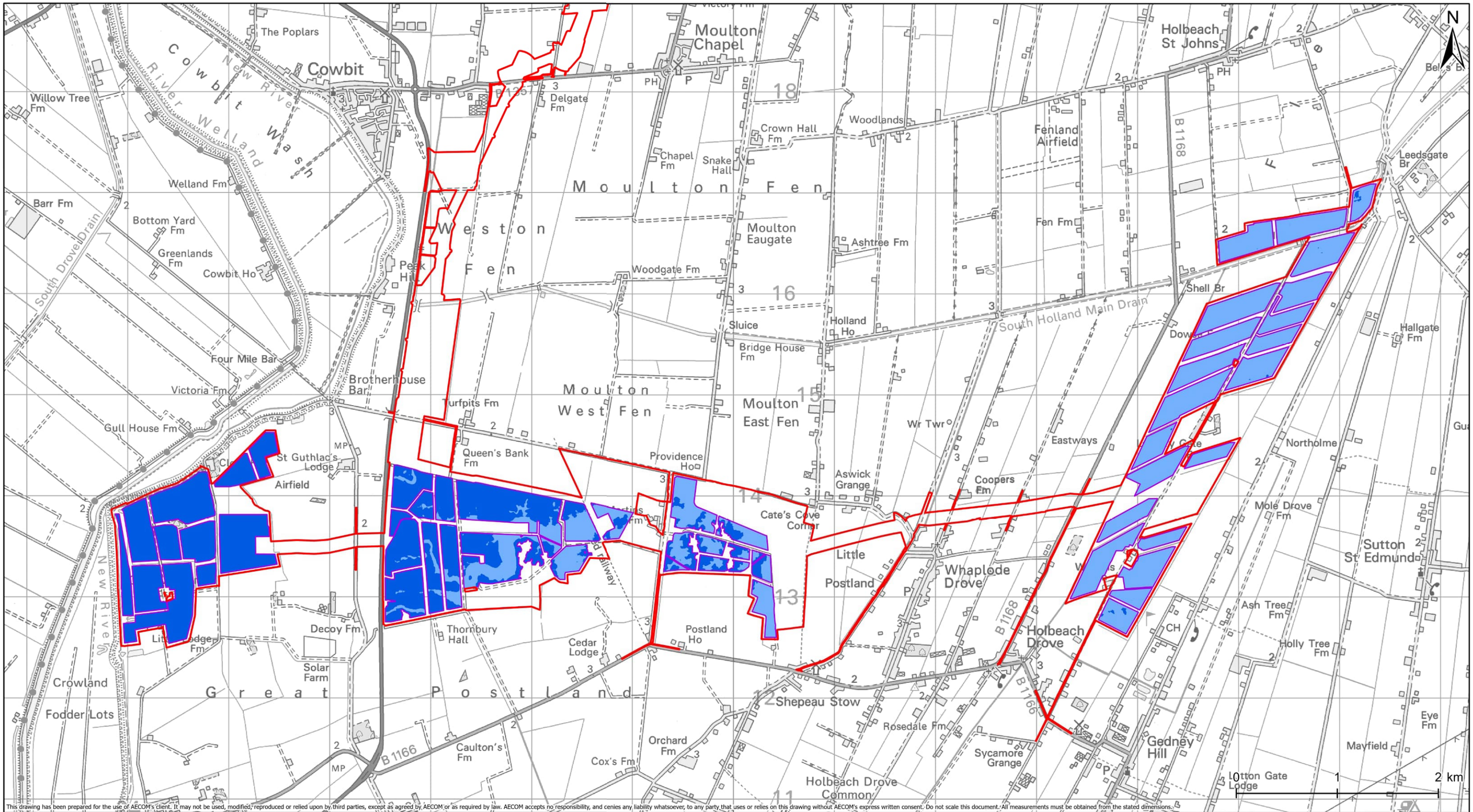
- High
- Medium
- Low

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Figure 1-4: Illustration of Solar Panel Flood Mitigation Design Parameters

Scale @ A3	Version	Drawn	Reviewed
1:35,000	0	LL	AK

Legend

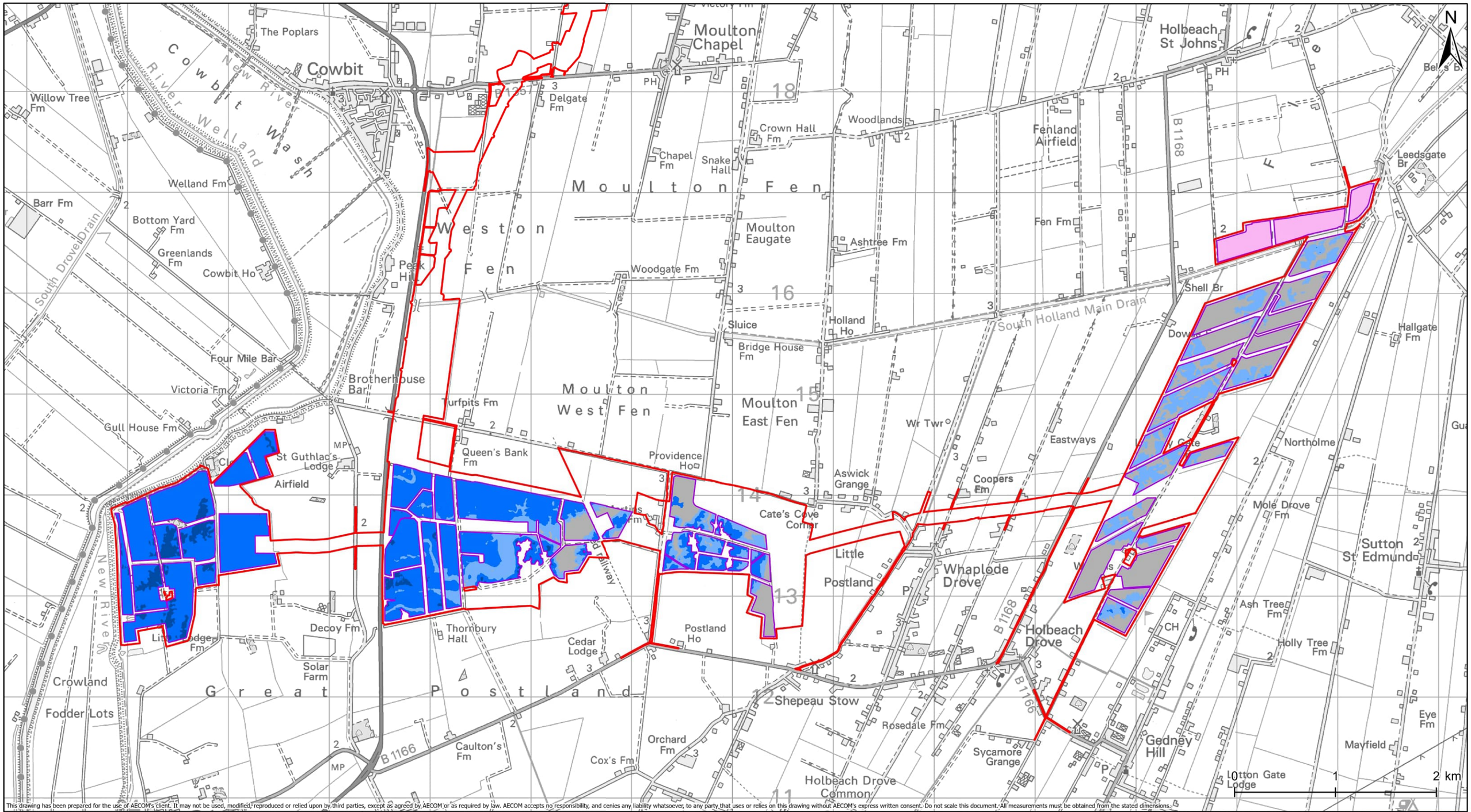
- Order Limits
- Work Plan No. 1
- Band 1: Bottom of Panel Minimum 0.8m Above Ground
- Band 2: Bottom of Panel Above 0.8m and Up To 1.3m Above Ground

Date: 09/06/2026

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Figure 1-5: Illustration of Solar Station Flood Mitigation Design Parameters

Scale @ A3	Version	Drawn	Reviewed
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Legend

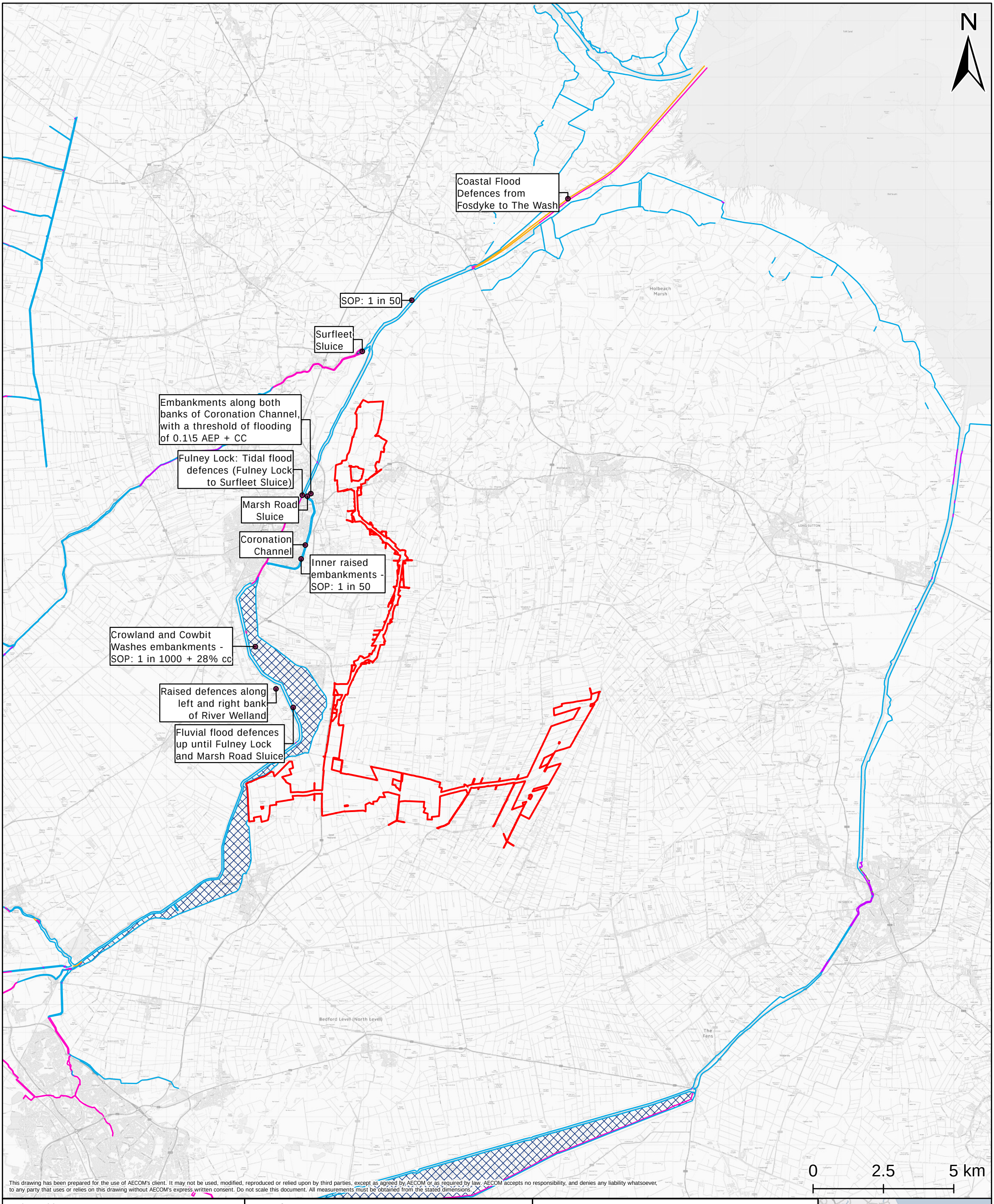
- Order Limits
- Work Plan No. 1
- Band 1: No Solar Stations Allowed
- Band 2: Solar Stations to be Bunded
- Band 3: Solar Stations Requiring Plinths Up to a Height of 0.8m
- Band 4: Solar Stations Requiring Plinths Up to a Height of 1.35m
- Band 5: No Flood Mitigation Required

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Figure 1-6: Illustration of relevant tidal and flood defences associated with the River Welland

Scale	Version	Drawn	Reviewed
1:120,000	0	LL	AK

Legend

- Order Limits
- Embankment
- Engineered High Ground
- Flood Gate
- Natural High Ground
- Wall
- Water Storage Area

Date: 18/08/2026

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