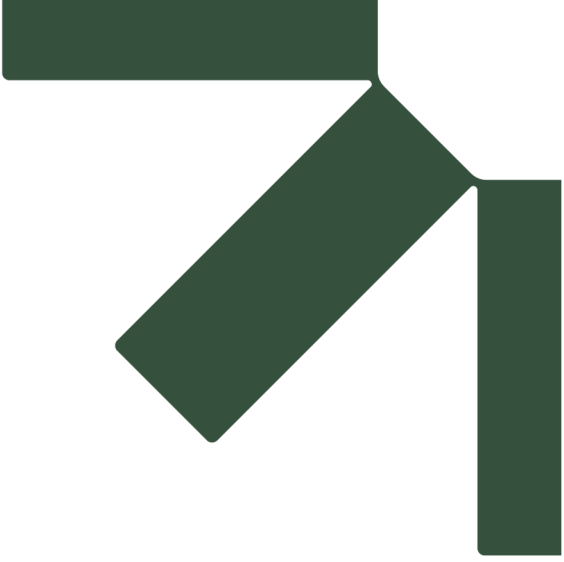




# Appendix A   Supporting Figures

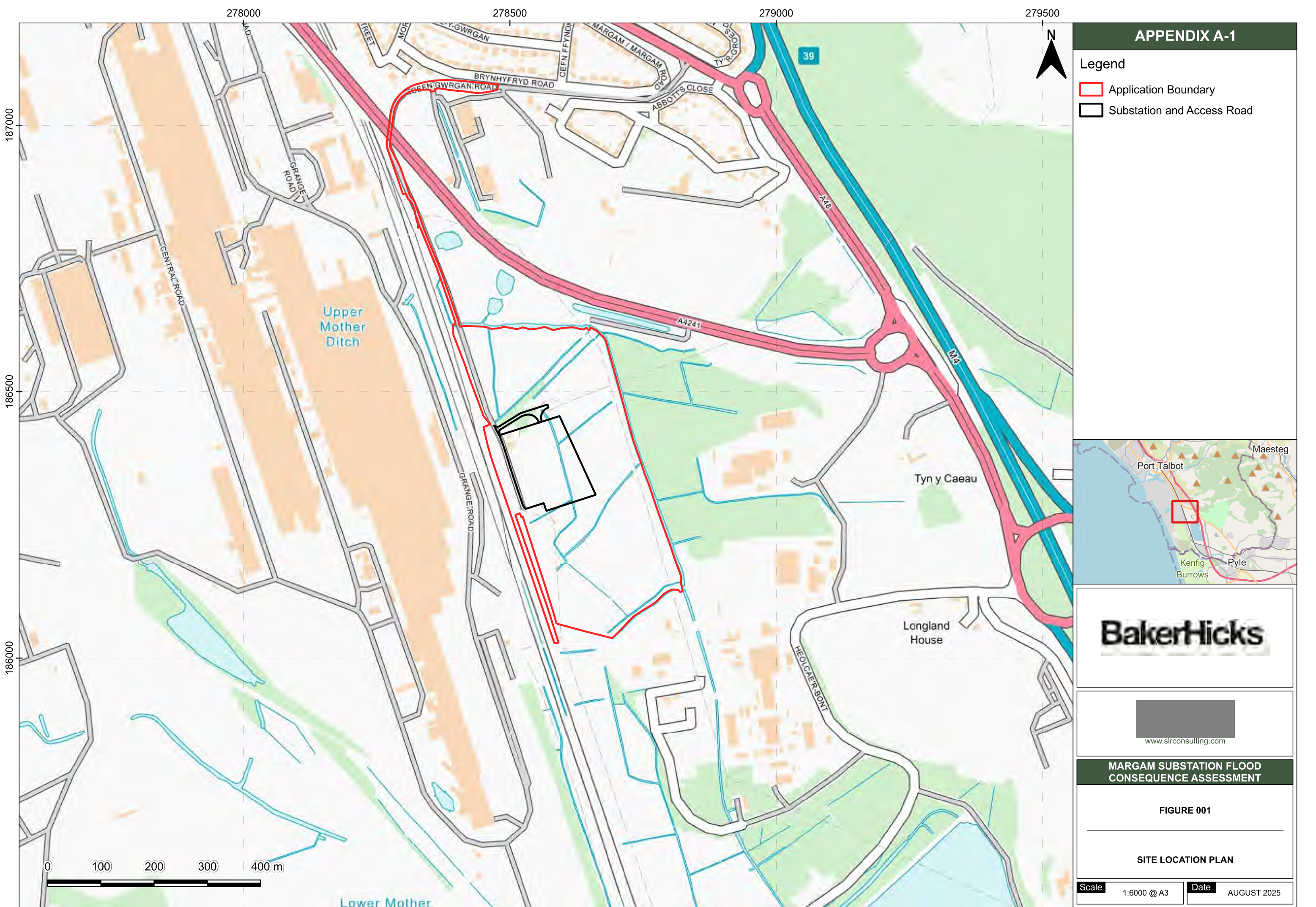
## **Flood Consequence Assessment**

**Proposed extension of the Margam Substation**

**BakerHicks Limited**

SLR Project No.: 402.065363.00001

26 August 2025



APPENDIX A-1

- Legend
- Application Boundary
  - Substation and Access Road

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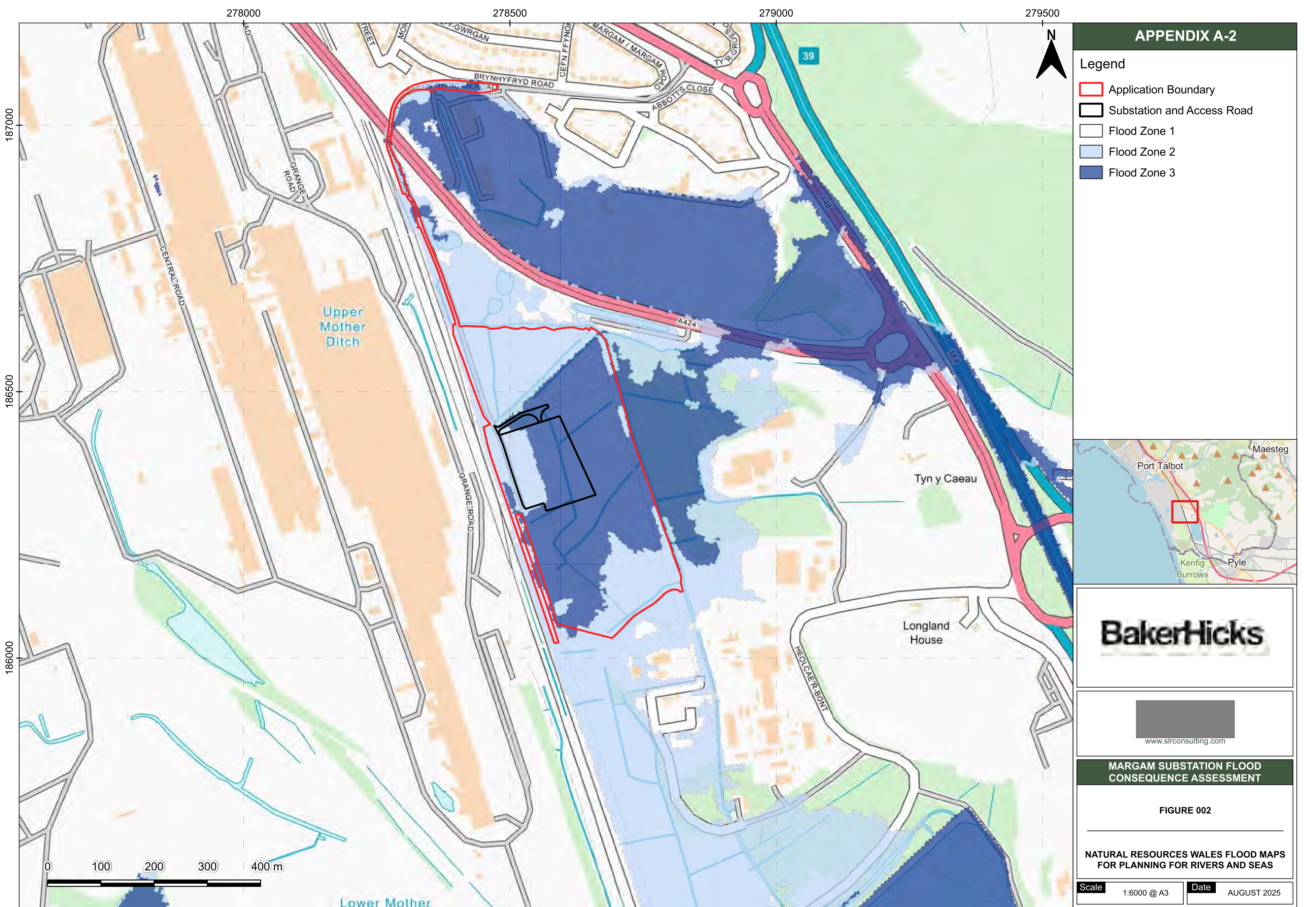


MARGAM SUBSTATION FLOOD  
CONSEQUENCE ASSESSMENT

FIGURE 001

SITE LOCATION PLAN

Scale 1:6000 @ A3 Date AUGUST 2025



APPENDIX A-2

Legend

- Application Boundary
- Substation and Access Road
- Flood Zone 1
- Flood Zone 2
- Flood Zone 3

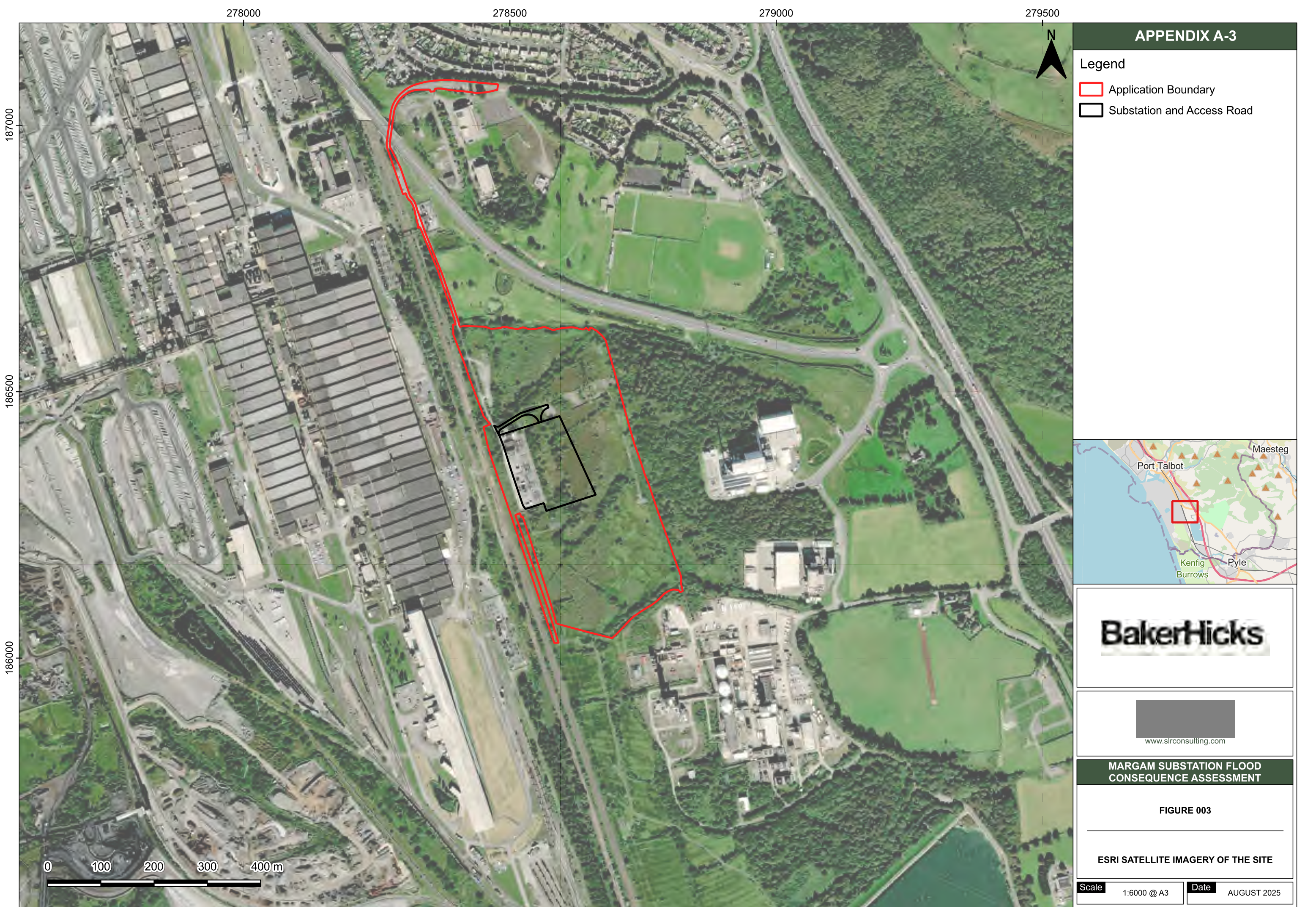


MARGAM SUBSTATION FLOOD CONSEQUENCE ASSESSMENT

FIGURE 002

NATURAL RESOURCES WALES FLOOD MAPS FOR PLANNING FOR RIVERS AND SEAS

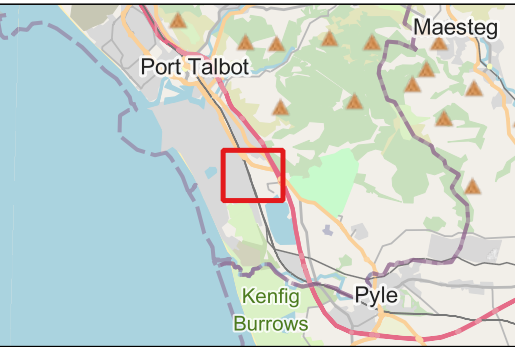
Scale 1:6000 @ A3 Date AUGUST 2025



APPENDIX A-3

Legend

- Application Boundary
- Substation and Access Road



BakerHicks

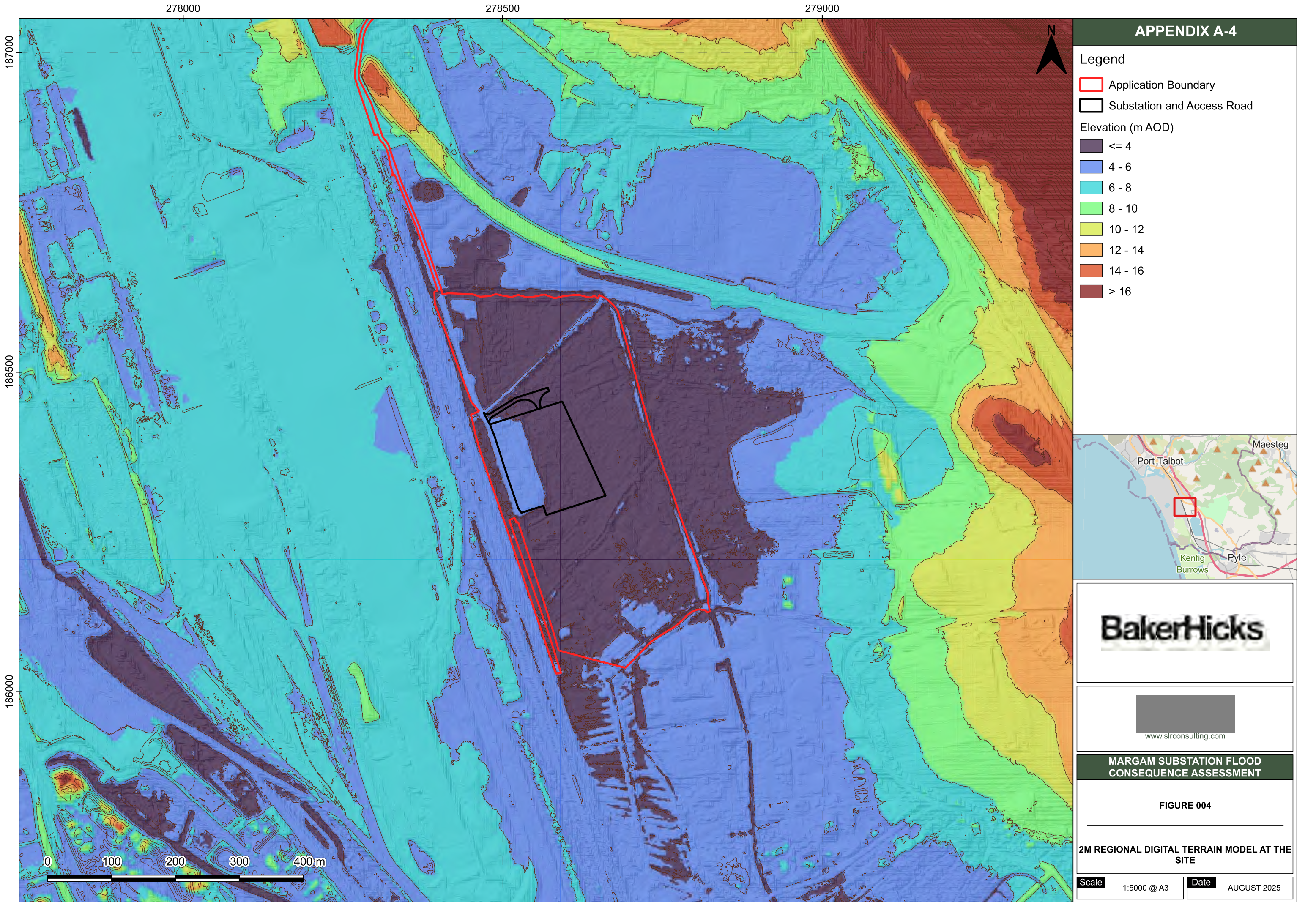


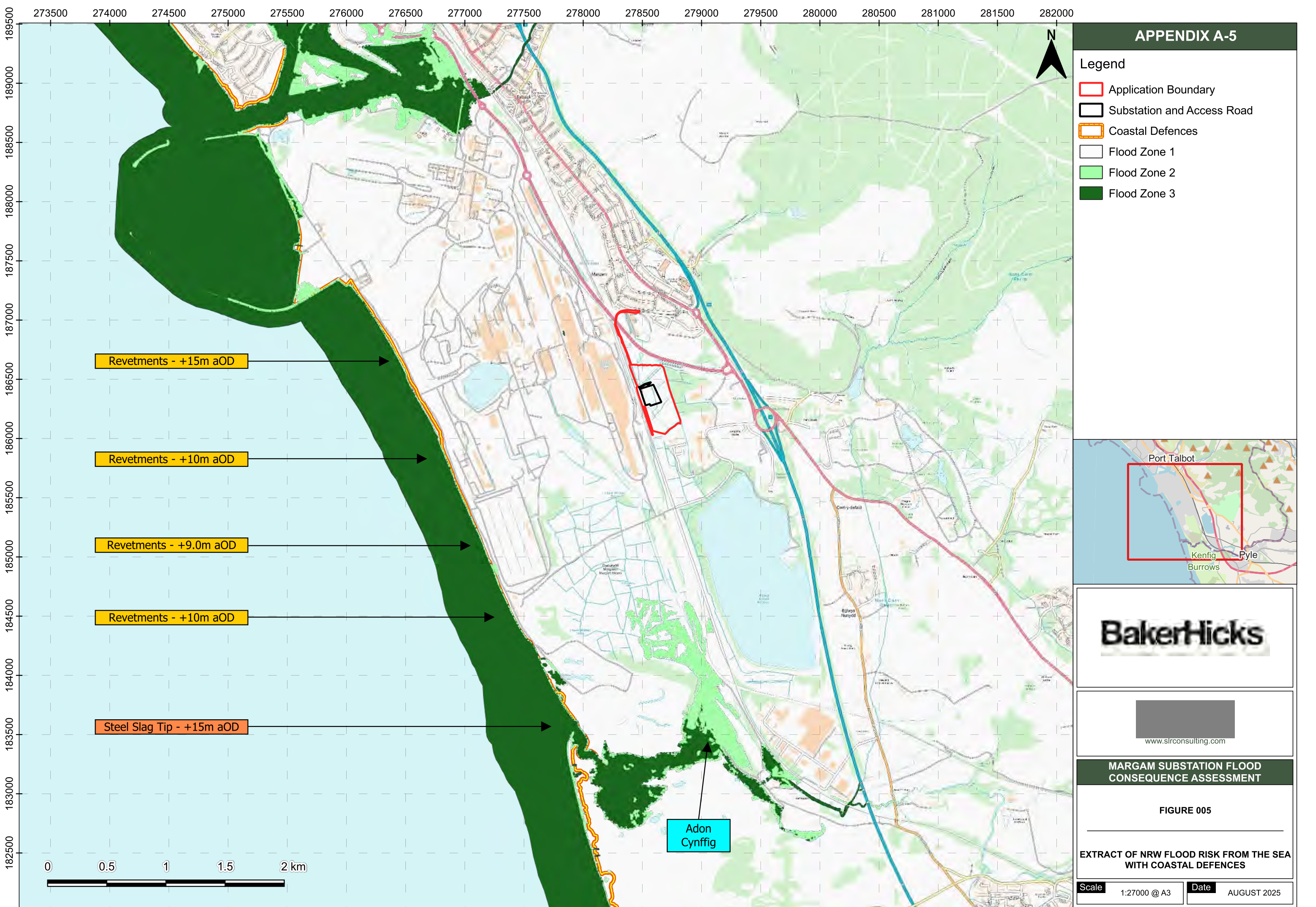
MARGAM SUBSTATION FLOOD CONSEQUENCE ASSESSMENT

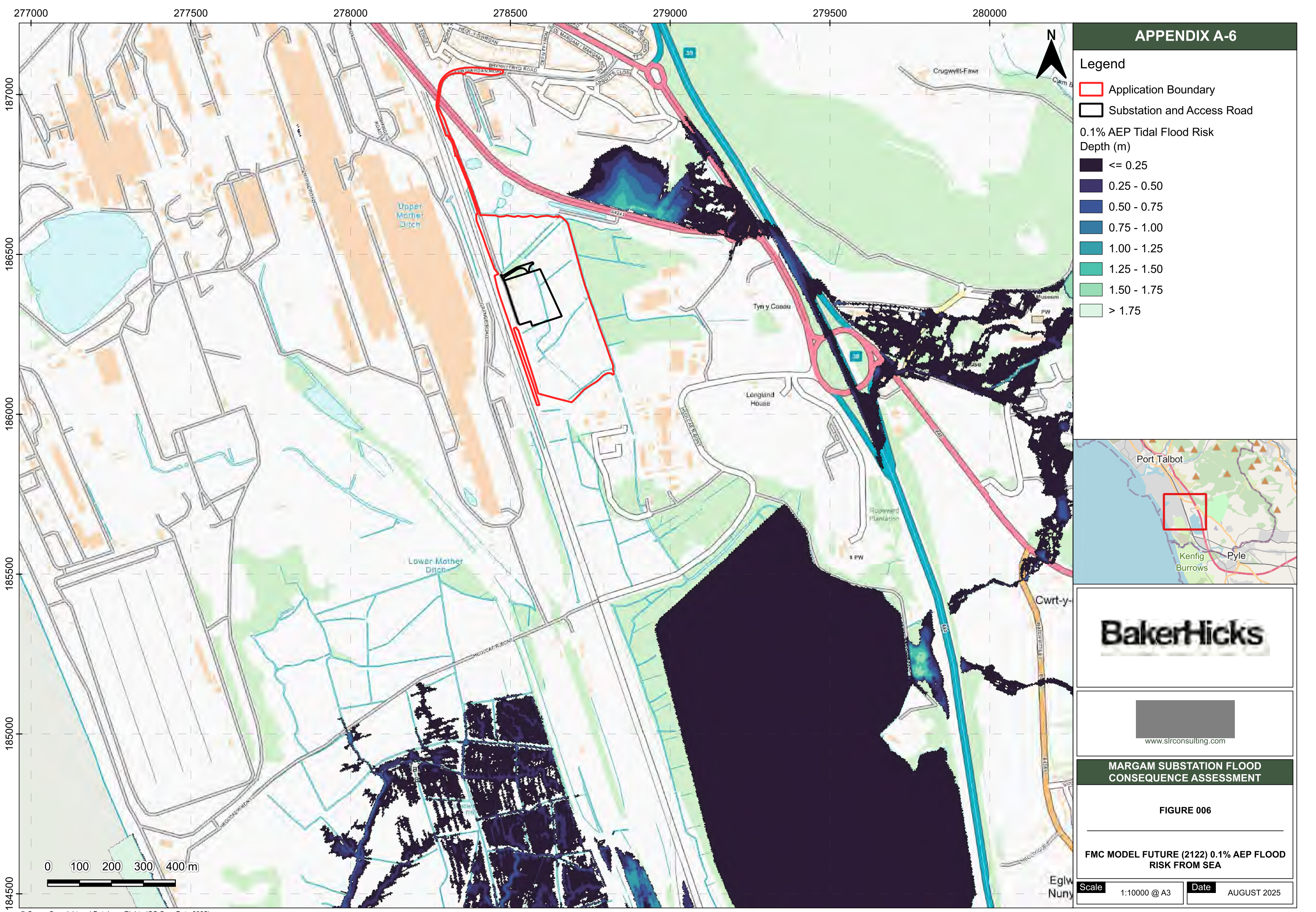
FIGURE 003

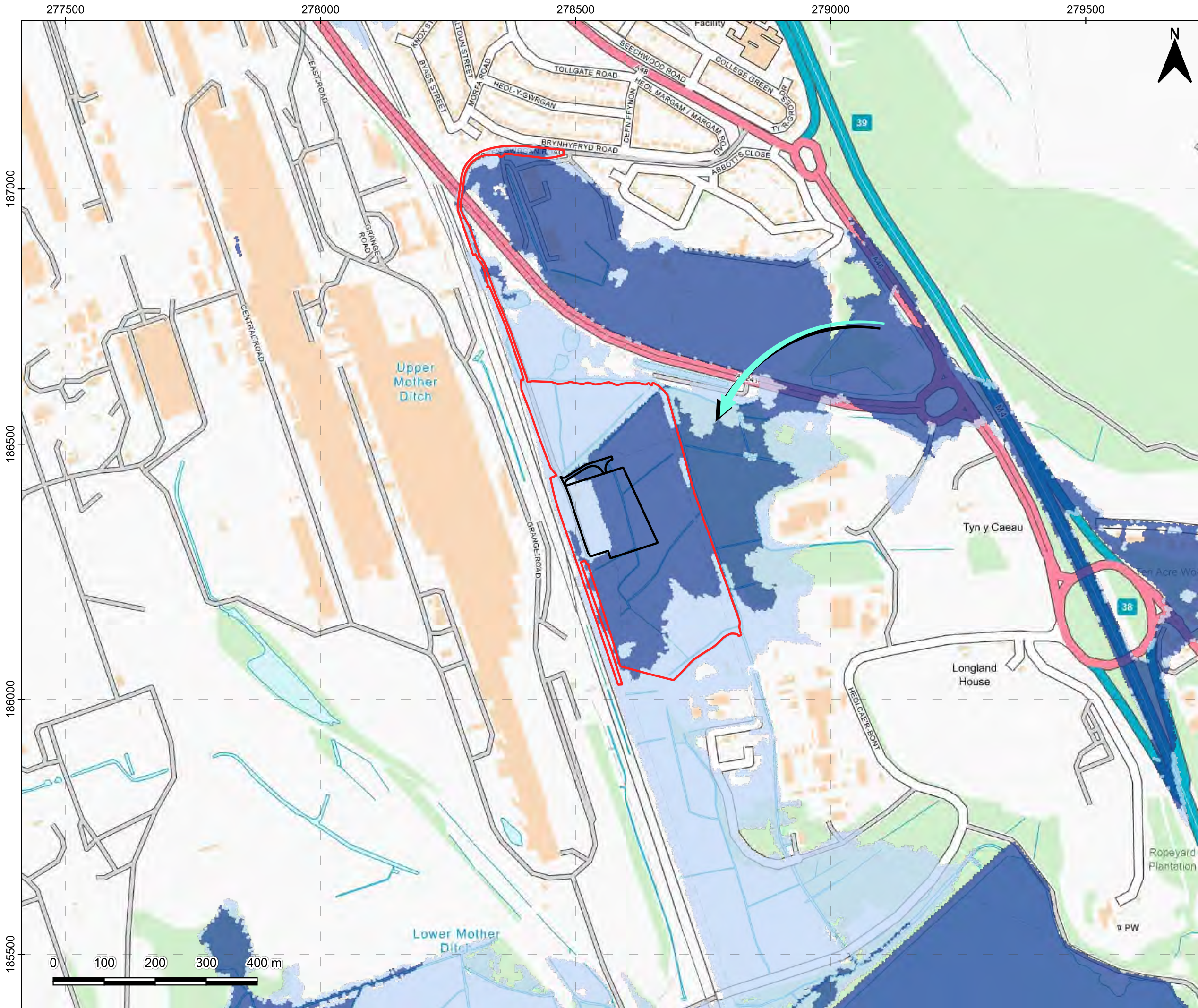
ESRI SATELLITE IMAGERY OF THE SITE

|       |             |      |             |
|-------|-------------|------|-------------|
| Scale | 1:6000 @ A3 | Date | AUGUST 2025 |
|-------|-------------|------|-------------|









**APPENDIX A-7**

**Legend**

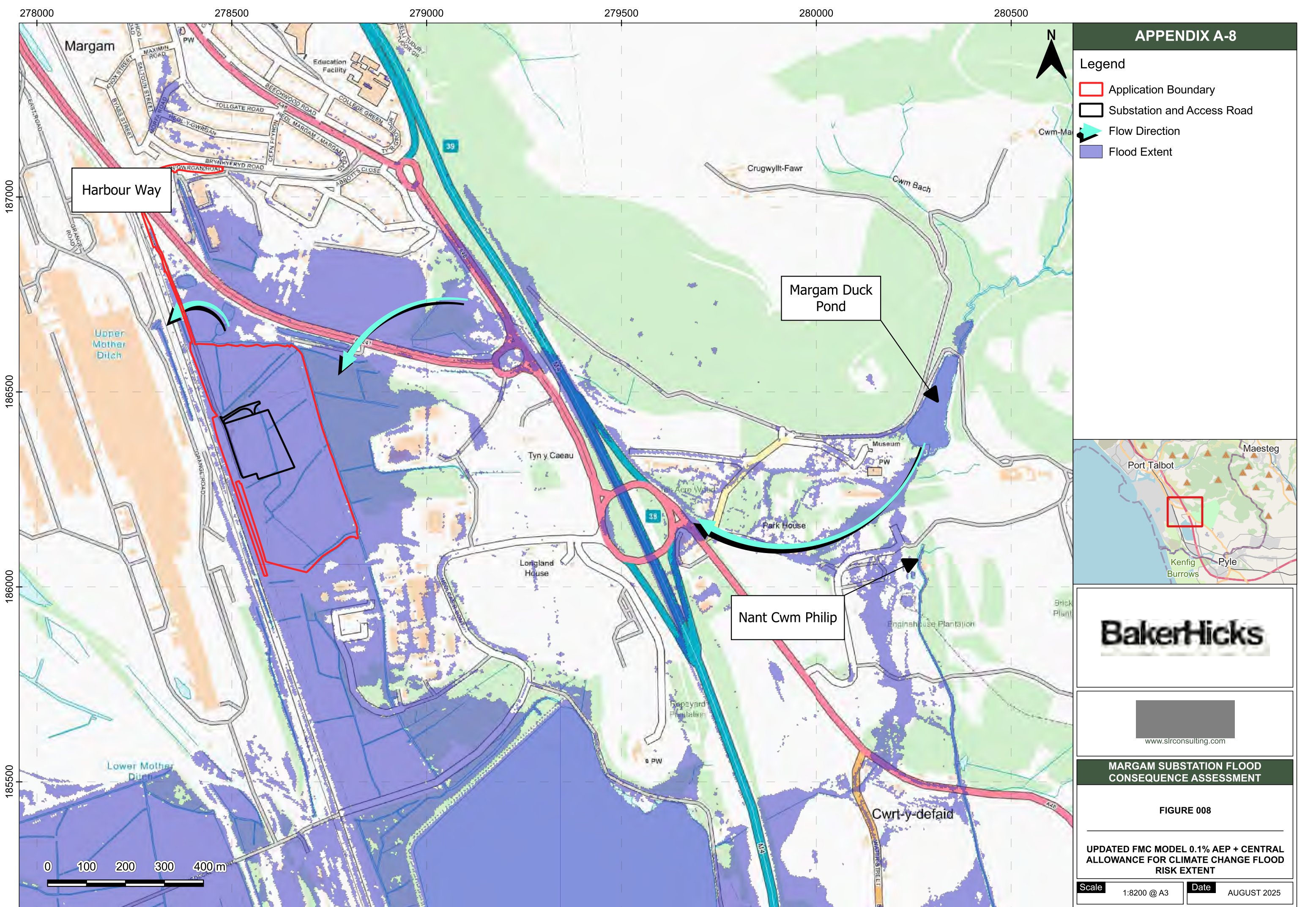
- Application Boundary
- Substation and Access Road
- Flow Direction
- Flood Zone 1
- Flood Zone 2
- Flood Zone 3

**MARGAM SUBSTATION FLOOD CONSEQUENCE ASSESSMENT**

**FIGURE 007**

**NATURAL RESOURCES WALES FLOOD MAPS FOR PLANNING FOR RIVERS**

|              |             |             |             |
|--------------|-------------|-------------|-------------|
| <b>Scale</b> | 1:7000 @ A3 | <b>Date</b> | AUGUST 2025 |
|--------------|-------------|-------------|-------------|



APPENDIX A-8

- Legend
- Application Boundary
  - Substation and Access Road
  - Flow Direction
  - Flood Extent



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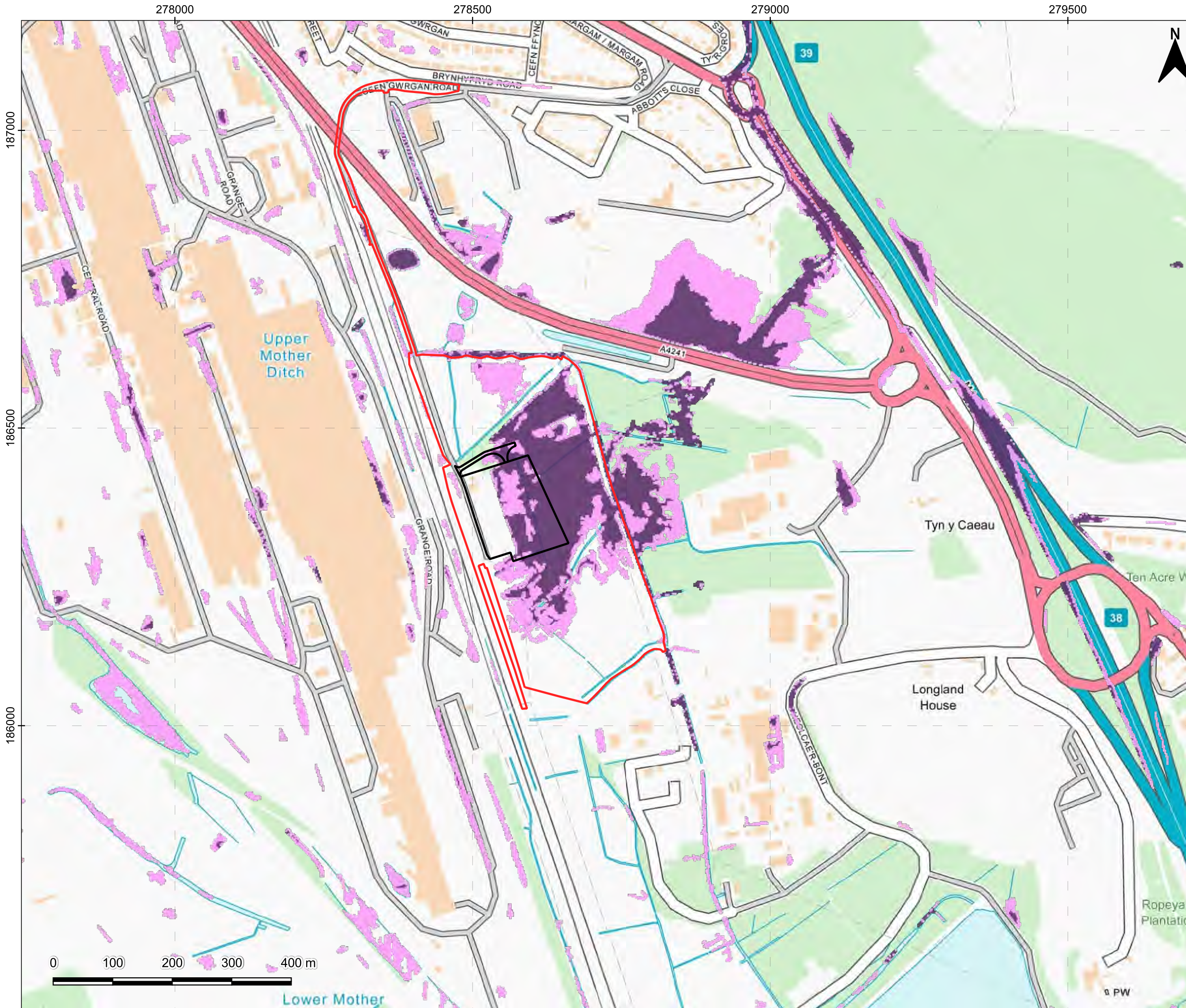


MARGAM SUBSTATION FLOOD CONSEQUENCE ASSESSMENT

FIGURE 008

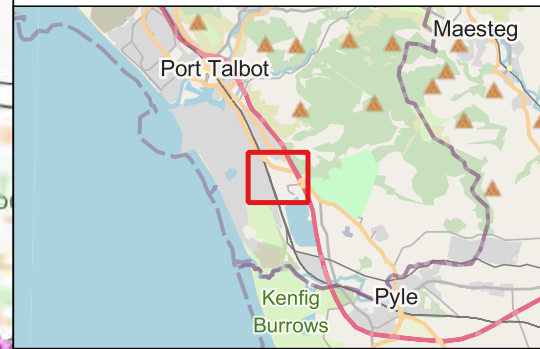
UPDATED FMC MODEL 0.1% AEP + CENTRAL ALLOWANCE FOR CLIMATE CHANGE FLOOD RISK EXTENT

|       |             |      |             |
|-------|-------------|------|-------------|
| Scale | 1:8200 @ A3 | Date | AUGUST 2025 |
|-------|-------------|------|-------------|



## APPENDIX A-9

- Legend**
- Application Boundary
  - Substation and Access Road
  - Flood Zone 1
  - Flood Zone 2
  - Flood Zone 3

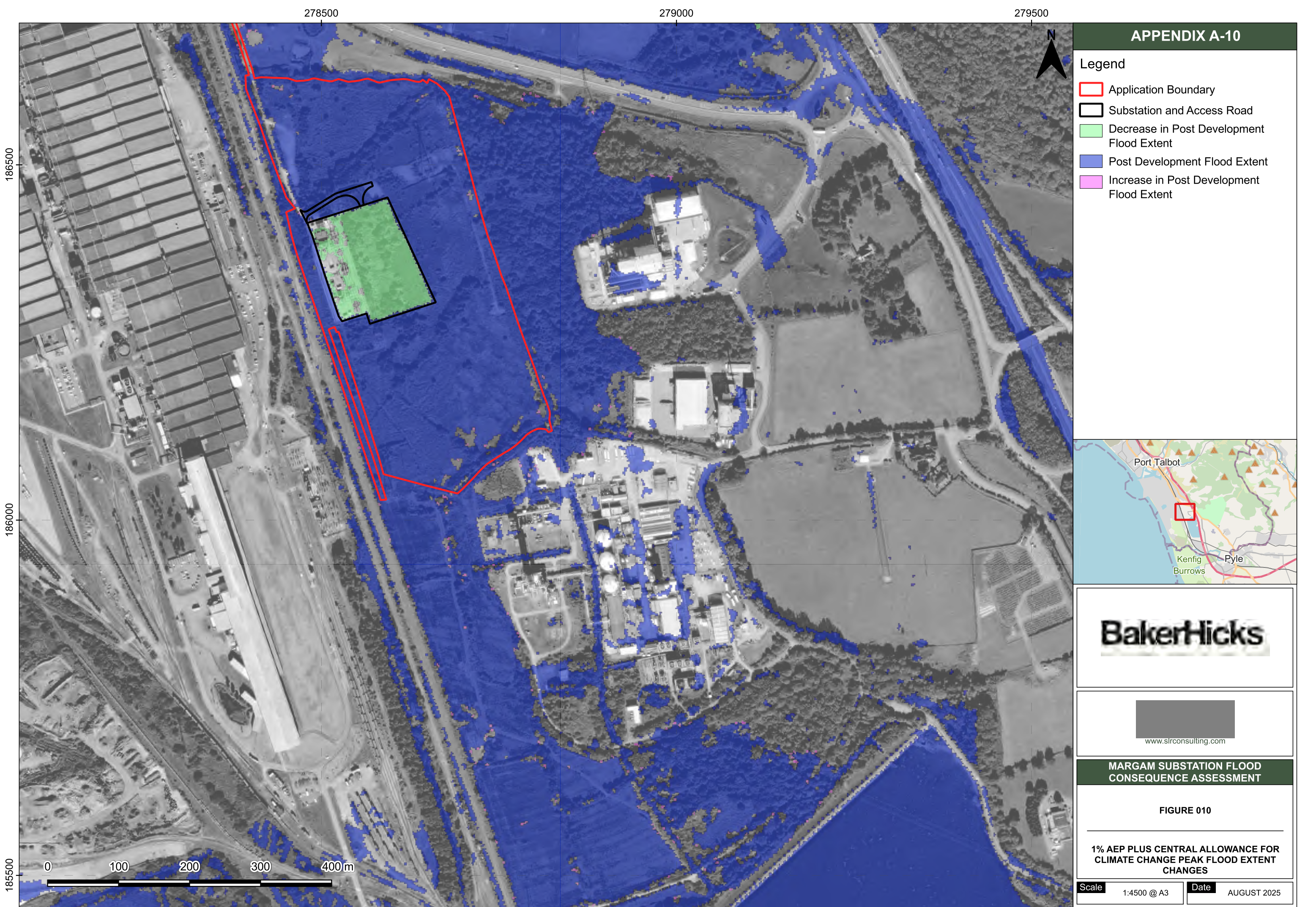


### MARGAM SUBSTATION FLOOD CONSEQUENCE ASSESSMENT

**FIGURE 009**

**NATURAL RESOURCES WALES FLOOD MAPS FOR PLANNING FOR SURFACE WATER AND SMALL WATERCOURSES**

|              |             |             |             |
|--------------|-------------|-------------|-------------|
| <b>Scale</b> | 1:6000 @ A3 | <b>Date</b> | AUGUST 2025 |
|--------------|-------------|-------------|-------------|



APPENDIX A-10

Legend

- Application Boundary
- Substation and Access Road
- Decrease in Post Development Flood Extent
- Post Development Flood Extent
- Increase in Post Development Flood Extent



BakerHicks



MARGAM SUBSTATION FLOOD CONSEQUENCE ASSESSMENT

FIGURE 010

1% AEP PLUS CENTRAL ALLOWANCE FOR CLIMATE CHANGE PEAK FLOOD EXTENT CHANGES

Scale 1:4500 @ A3 Date AUGUST 2025

