



Planning Inspectorate Reference: EN0110047

Environmental Impact Assessment Scoping Report  
Volume III: Figures – Chapter 9  
September 2026



## FIGURE 9-1: STUDY AREAS

Study Area

Core Study Area

Water Supplies Study Area



PROJECT TITLE

WEST OXFORDSHIRE ENERGY PARK

DRAWING TITLE

**Figure 9-1: Study Areas**

|           |            |          |               |
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Sources: Ordnance Survey

## **FIGURE 9-2: WATERCOURSE CATCHMENT**

Catchments



## WEST OXFORDSHIRE ENERGY PARK

Figure 9-2: Watercourse Catchments

|           |            |          |               |
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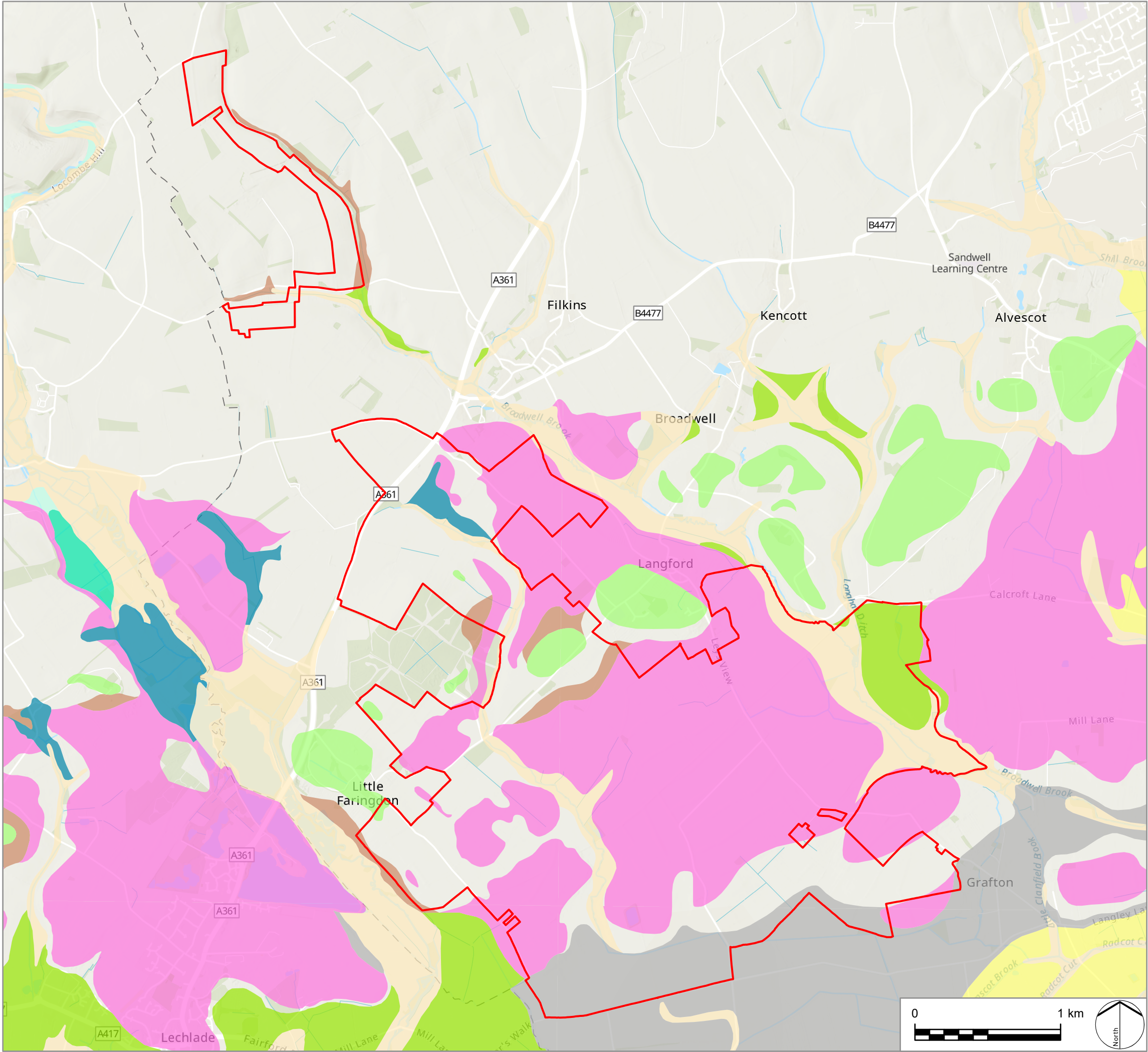
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Sources: Ordnance Survey

## **FIGURE 9-3: BGS 50K SUPERFICIAL DEPOSITS**

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LEGEND

Core Study Area

BGS 50k Superficial Deposits

Alluvium

Head

Northmoor Sand And Gravel Member, Lower Facet

Northmoor Sand And Gravel Member, Upper Facet

Northmoor Sand and Gravel Member

Peat

River Terrace Deposits, 1

Summertown-Radley Sand and Gravel Member

Tufa

Wolvercote Sand and Gravel Member



West

Oxfordshire

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Figure 9-3: BGS 50k Superficial Deposits

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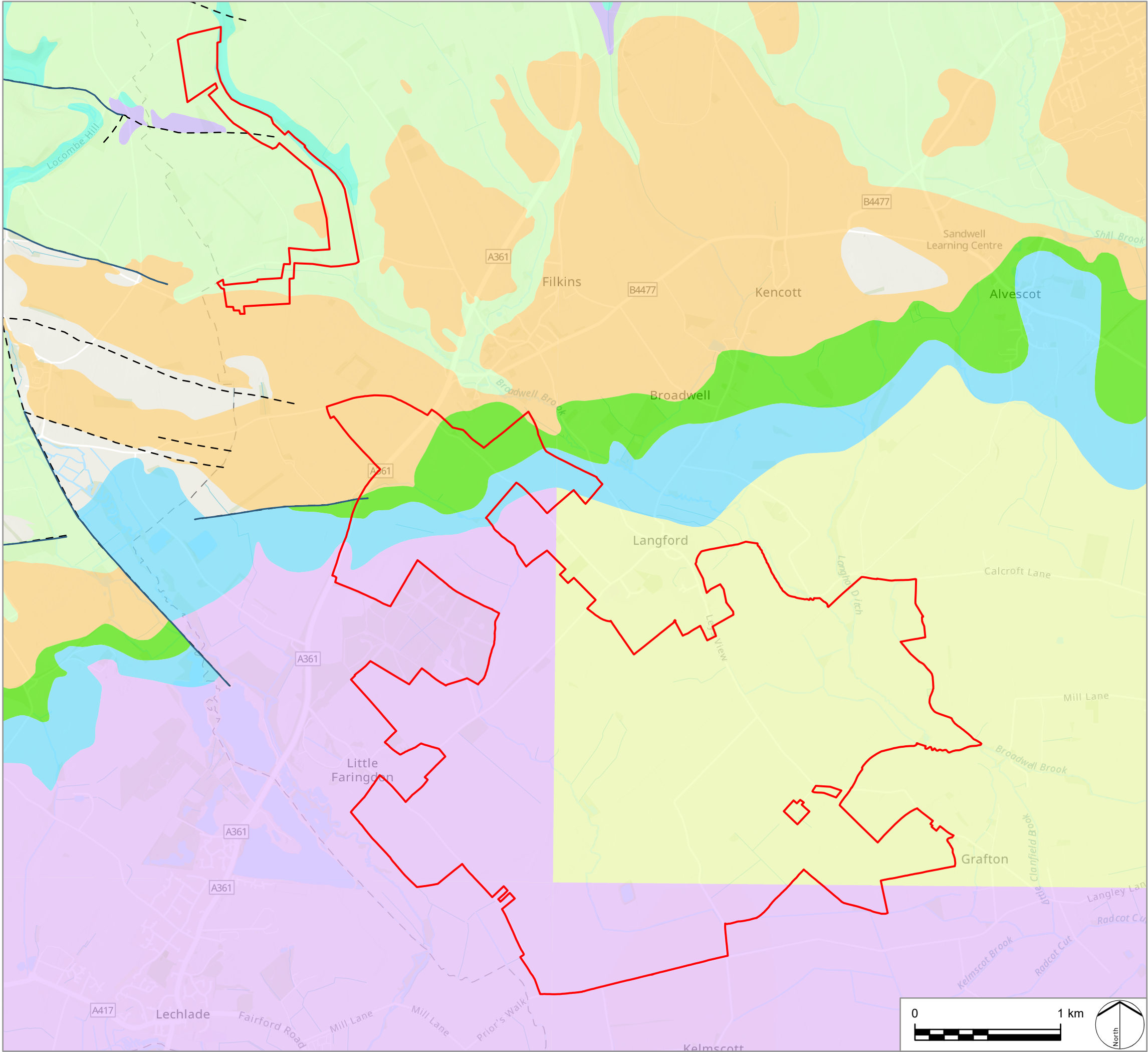
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Sources: Ordnance Survey

## **FIGURE 9-4: BGS 50K BEDROCK GEOLOGY**

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LEGEND

Core Study Area

BGS Fault Lines

BGS 50k Linear Features

BGS 50k Bedrock

Cornbrash Formation

Forest Marble Formation

Kellaways Clay Member

Kellaways Sand Member

Oxford Clay Formation

Oxford Clay Formation and West Walton Formation (Undifferentiated)

Signet Member

White Limestone Formation

West

Oxfordshire

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Figure 9-4: BGS 50k Bedrock Geology

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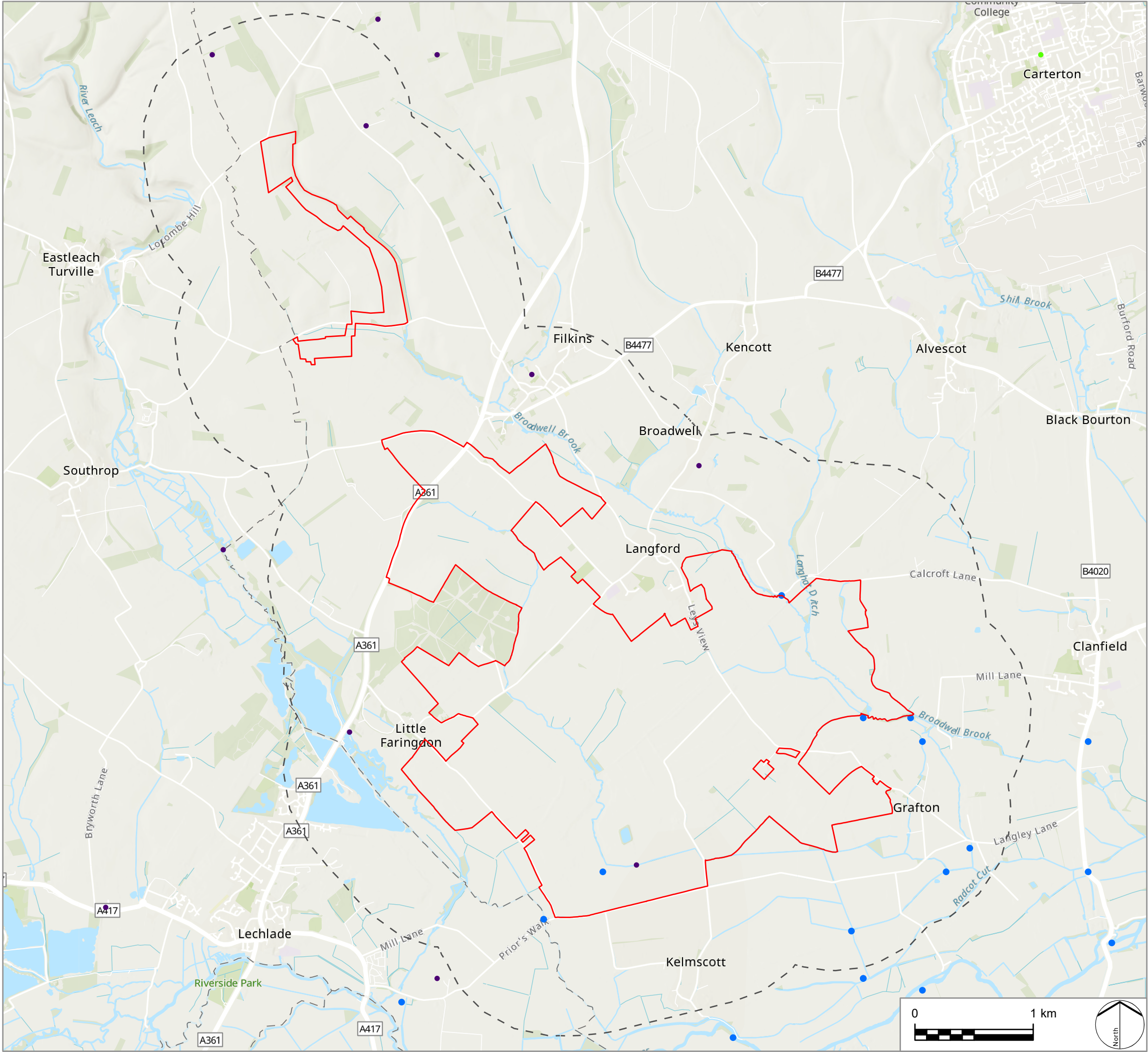
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## FIGURE 9-5: EA ABSTRACTIONS

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LEGEND

Water Supplies Study Area

Core Study Area

Abstraction (type reach)

Abstraction (type point)

Abstraction (type area)



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Figure 9-5: EA Abstractions

|           |            |          |               |
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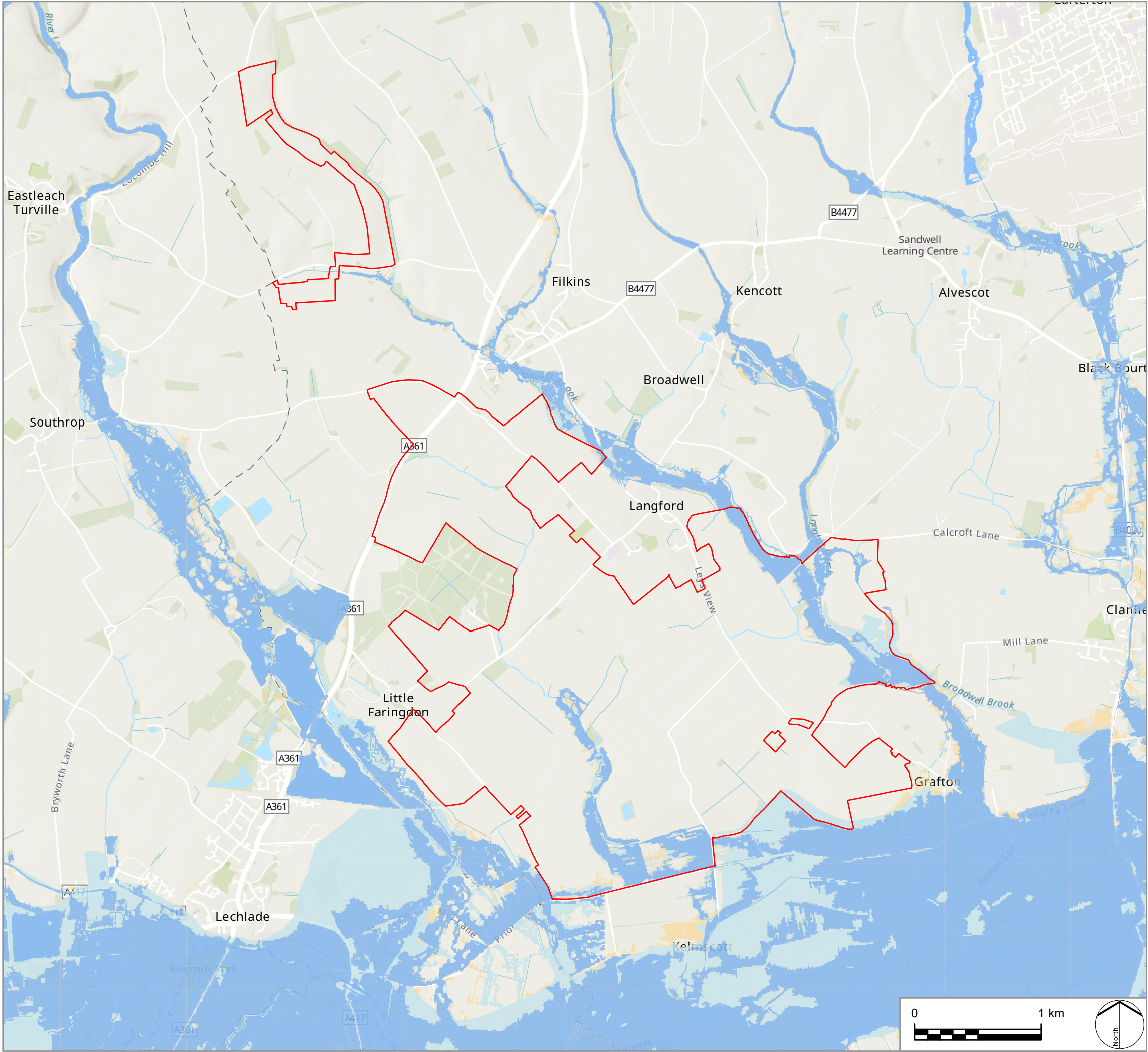
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## FIGURE 9-6: FLOOD ZONES

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LEGEND

Core Study Area

Flood Zones

Flood Zone 2

Flood Zone 3

Flood Zones plus Climate Change Allowance



West

Oxfordshire

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Figure 9-6: Flood Zones

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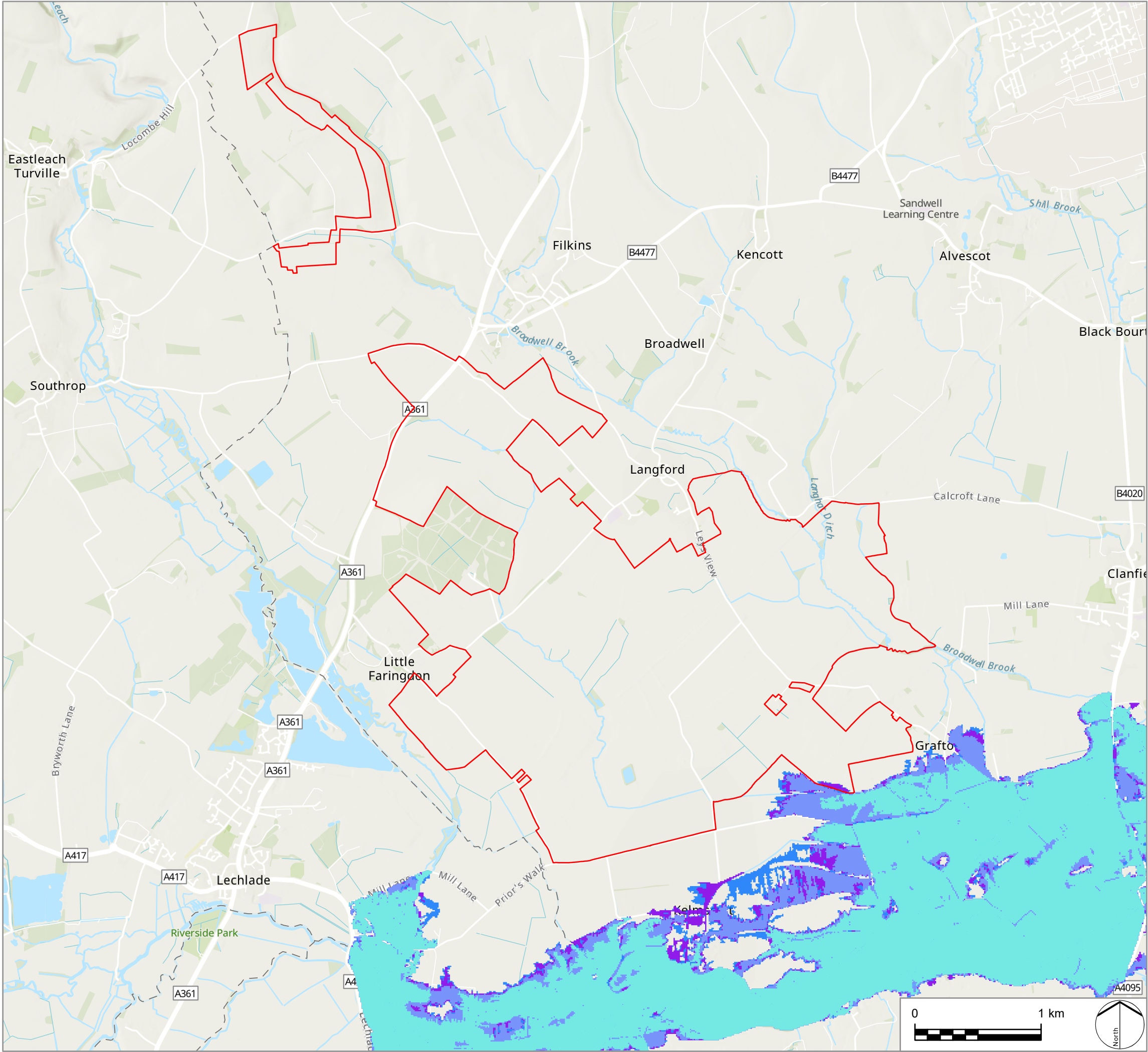
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## **FIGURE 9-7: THAMES 2011 MODEL EXTENTS**

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- LEGEND
- Core Study Area
  - 50% AEP Extent
  - 1% AEP Extent
  - 0.1% AEP Extent
  - 1% AEP + 20% CC Extent



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WEST OXFORDSHIRE ENERGY PARK

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Figure 9-7: Thames 2011 Model Extents

|           |           |                  |
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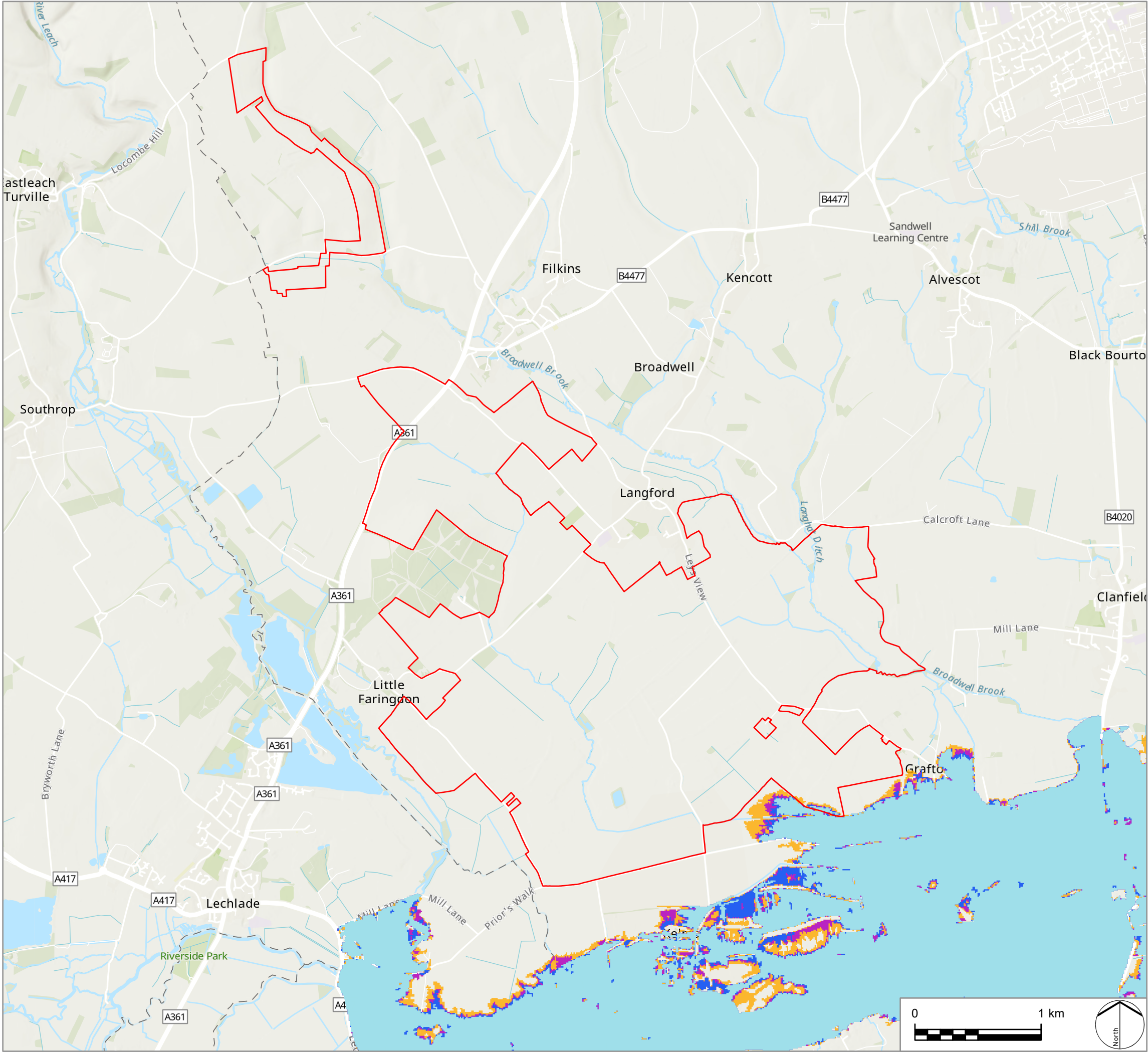
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## **FIGURE 9-8: THAMES 2017 MODEL EXTENTS**

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LEGEND

Core Study Area

1% AEP +70% CC Extent

1% AEP +35% CC Extents

1% AEP +25% CC Extent

1% AEP +15% CC Extent



West

Oxfordshire

ENERGY PARK

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Figure 9-8: Thames 2017 Model Extents

|           |            |          |               |
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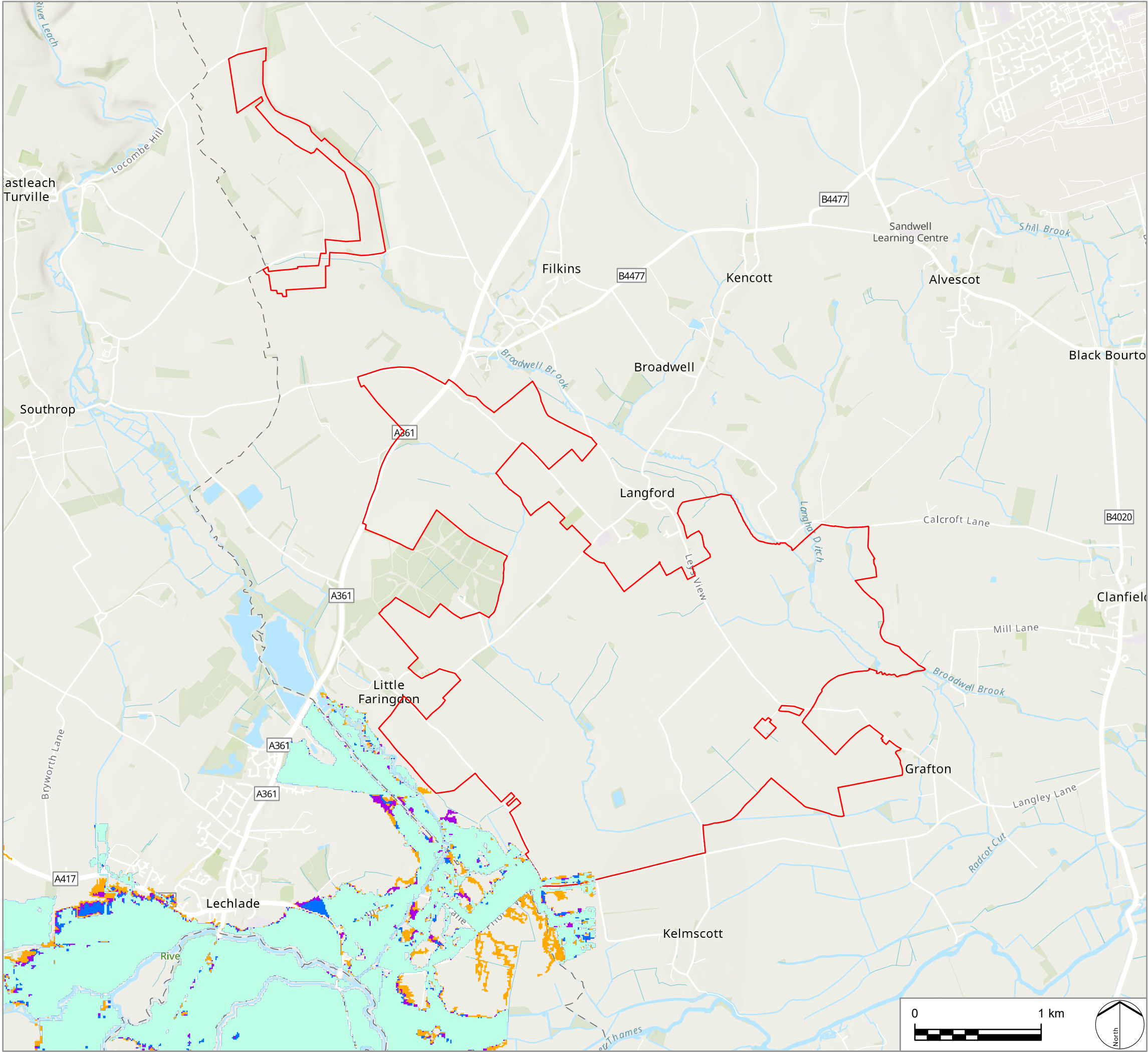
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## **FIGURE 9-9: THAMES MRL TO ST JOHNS 2017 MODEL EXTENTS**

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LEGEND

Core Study Area

1% AEP +15% CC Extent

1% AEP +25% CC Extent

1% AEP +35% CC Extent

1% AEP +70% CC Extent



West

Oxfordshire

ENERGY PARK

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Figure 9-9: Thames MRL to St Johns 2017 Model Extents

|           |            |          |               |
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## **FIGURE 9-10: SURFACE WATER 1% AEP + CLIMATE CHANGE EXTENT**

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LEGEND

Core Study Area

1% AEP +CC Extent



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Figure 9-10: Surface water 1% AEP + climate change extent

|           |            |          |               |
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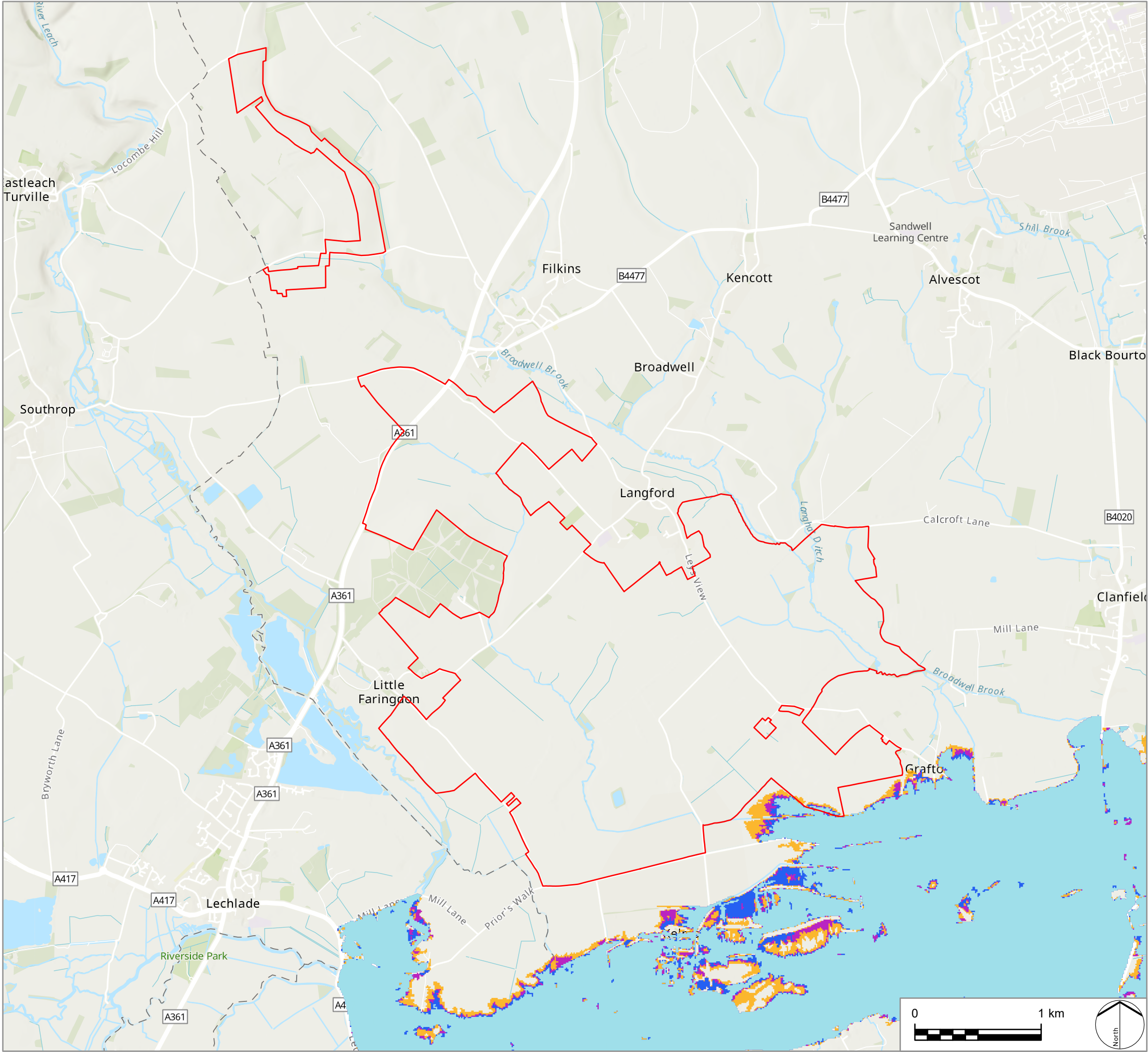
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## **FIGURE 9-11: SURFACE WATER 1% AEP + CLIMATE CHANGE DEPTHS**

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LEGEND

Core Study Area

1% AEP +70% CC Extent

1% AEP +35% CC Extents

1% AEP +25% CC Extent

1% AEP +15% CC Extent



West

Oxfordshire

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Figure 9-11: Surface water 1% AEP plus climate change depths

|           |            |          |               |
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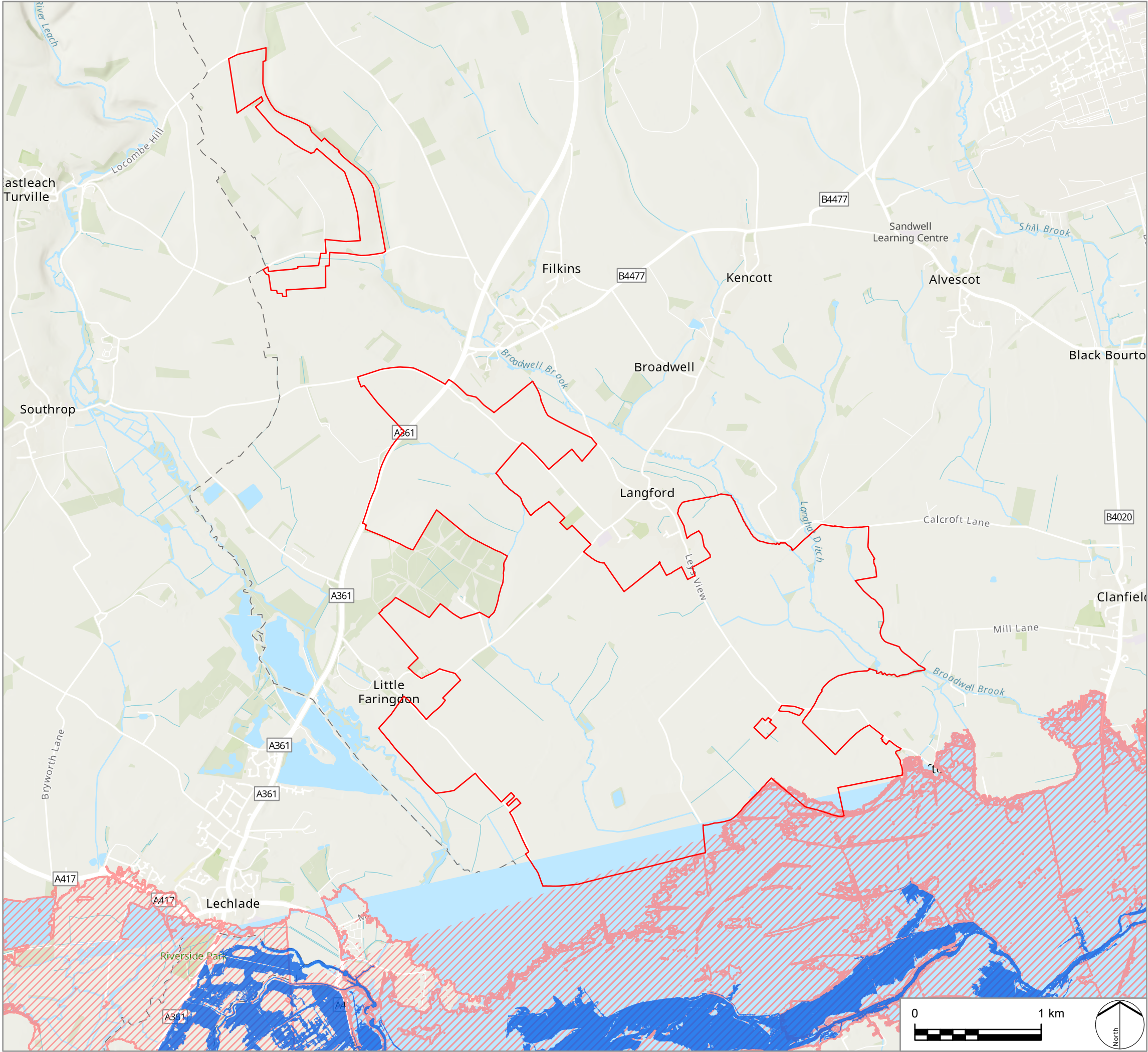
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## **FIGURE 9-12: RESERVOIRS FLOOD EXTENTS**

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LEGEND

Core Study Area

Reservoir Flood Extent - Dry Day

Reservoir Flood Extents - Fluvial Contribution

Reservoir Flood Extent - Wet Day

West  
Oxfordshire

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Figure 9-12: Reservoirs Flood Extents

|           |            |          |               |
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