

Partnership for South Hampshire Strategic Flood Risk Assessment

Portsmouth City Council on behalf of Winchester City Council

Sunley House 4 Bedford Park Croydon, CR0 2AP

Winchester City Boundary

Risk of Flooding from Surface Water

3.3% AEP (High Probability)

1% AEP (Medium Probability)

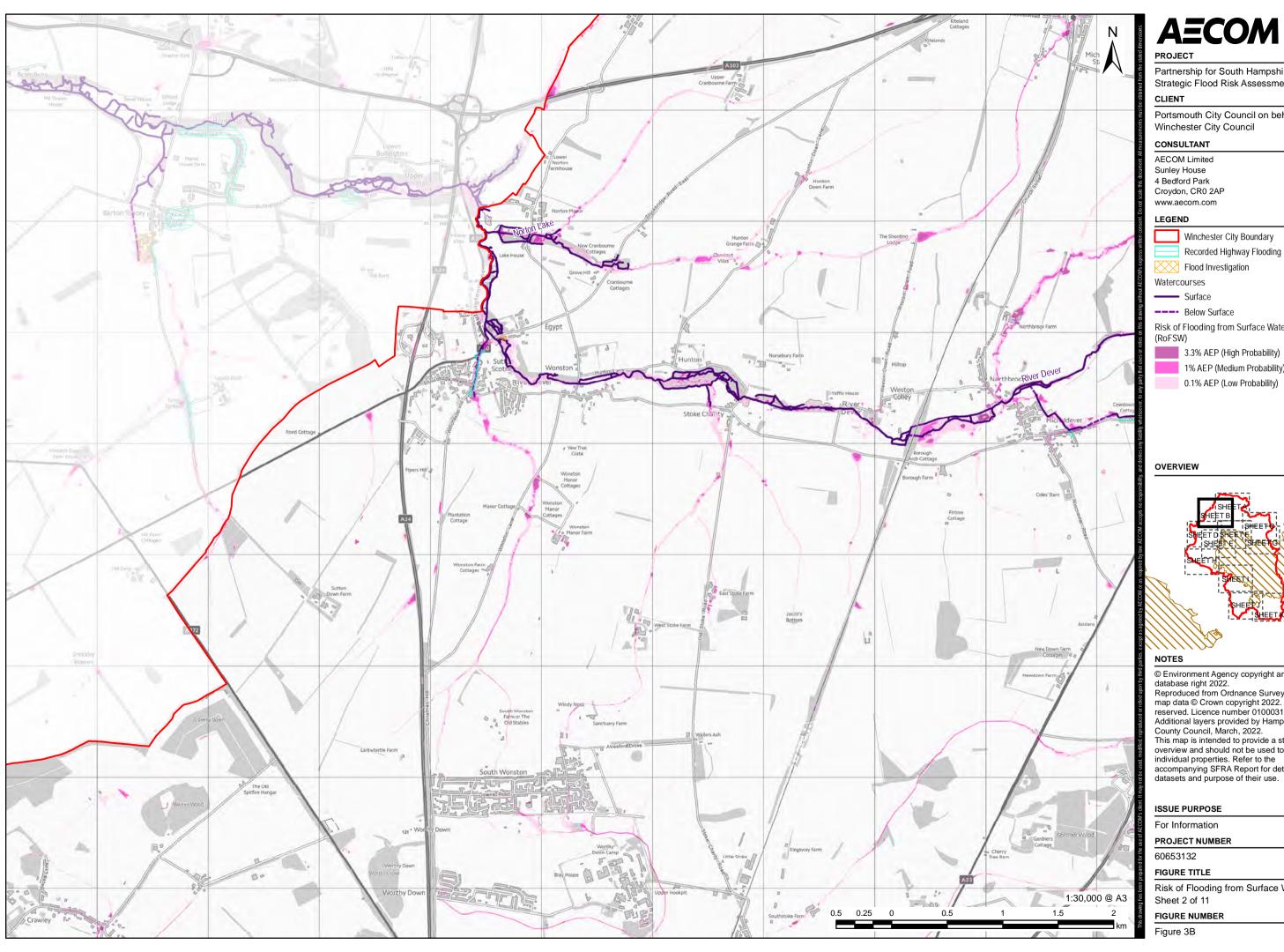
0.1% AEP (Low Probability)



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### FIGURE TITLE

Risk of Flooding from Surface Water



Partnership for South Hampshire Strategic Flood Risk Assessment

Portsmouth City Council on behalf of Winchester City Council

Croydon, CR0 2AP

Winchester City Boundary

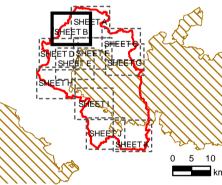
Flood Investigation

Risk of Flooding from Surface Water

3.3% AEP (High Probability)

1% AEP (Medium Probability)

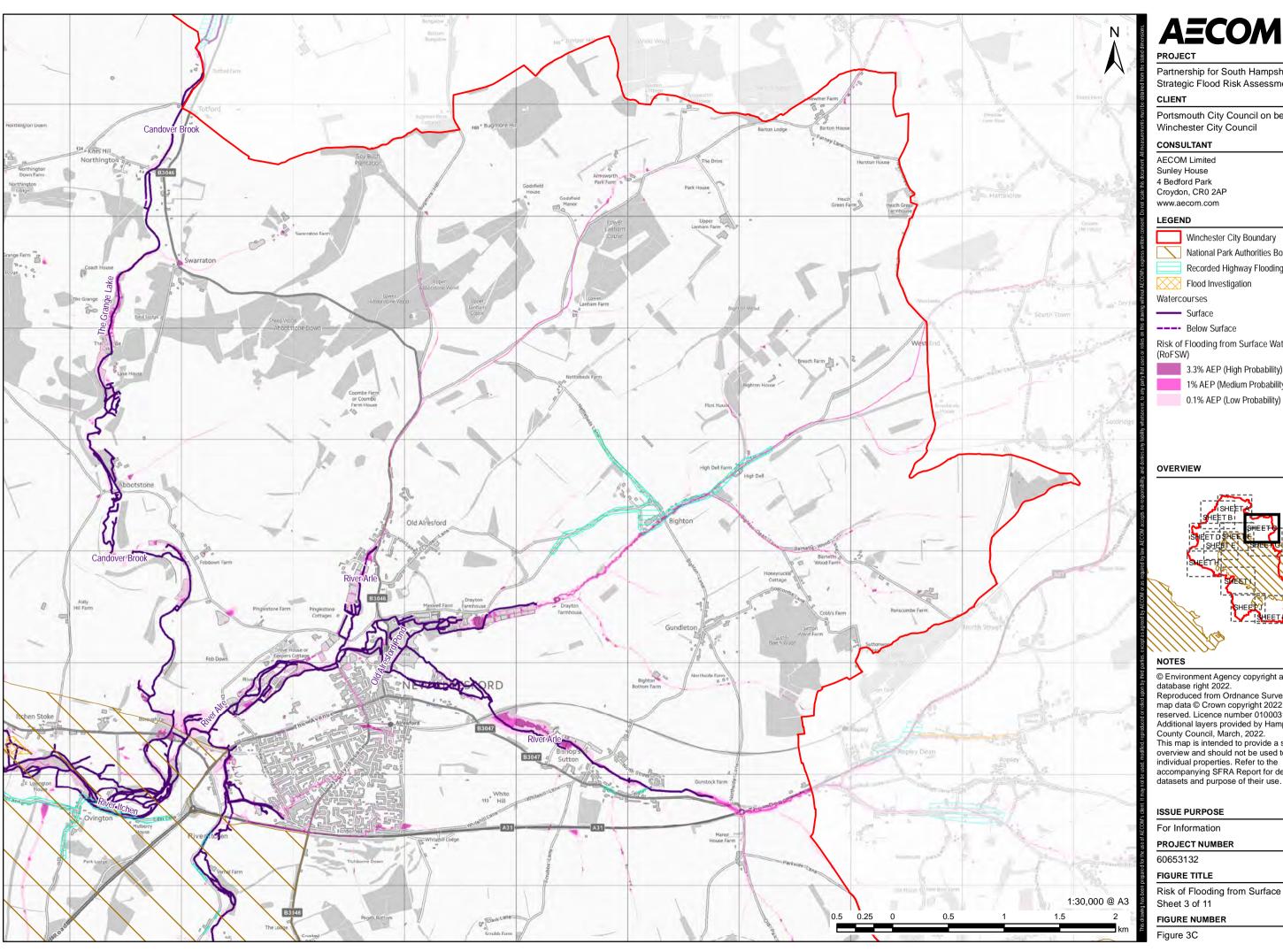
0.1% AEP (Low Probability)



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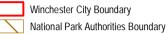
Risk of Flooding from Surface Water



Partnership for South Hampshire Strategic Flood Risk Assessment

Portsmouth City Council on behalf of Winchester City Council

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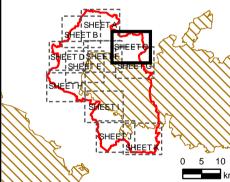
Recorded Highway Flooding Flood Investigation

Surface

Risk of Flooding from Surface Water

3.3% AEP (High Probability) 1% AEP (Medium Probability)

0.1% AEP (Low Probability)



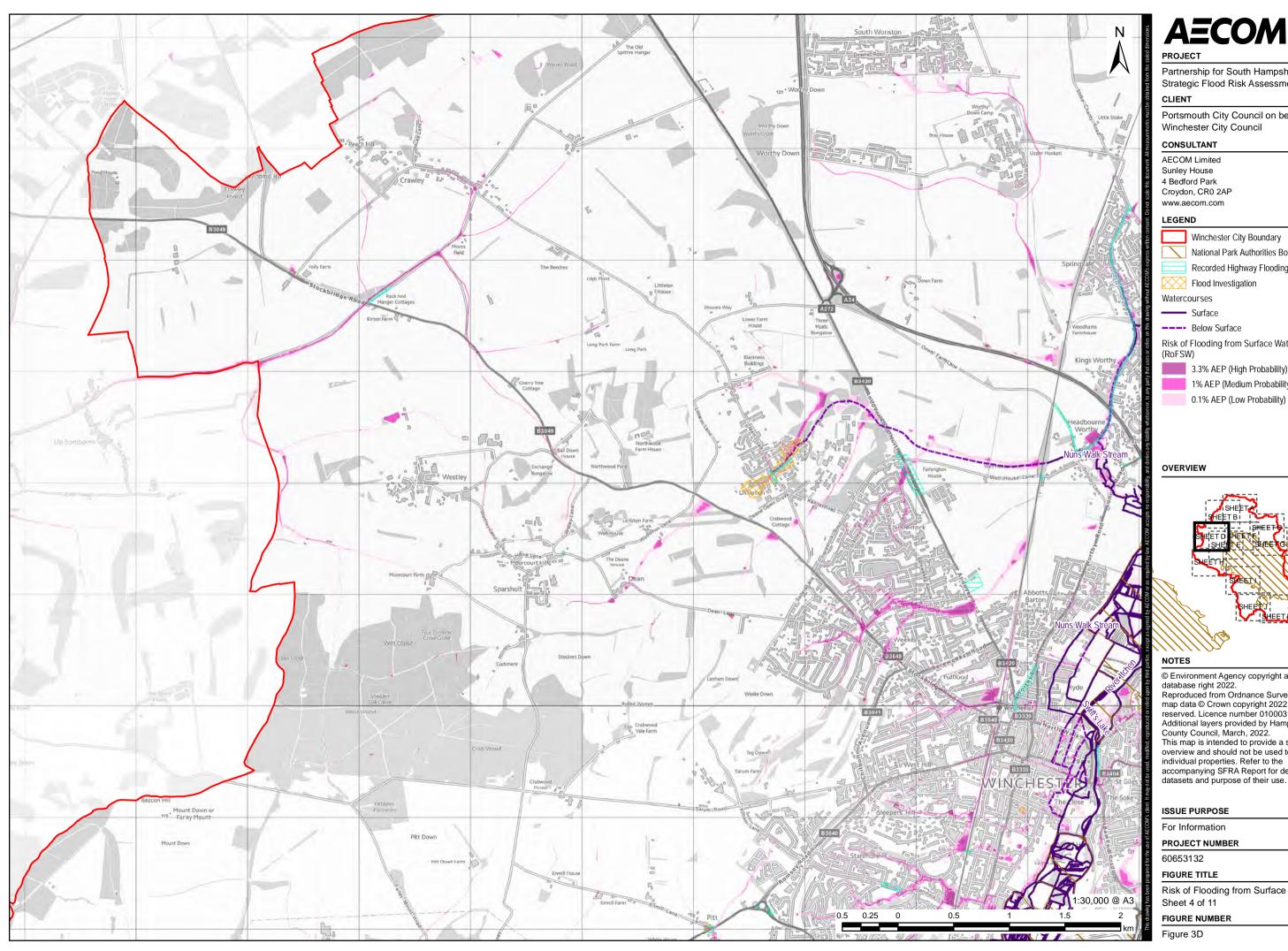
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## ISSUE PURPOSE

# PROJECT NUMBER

### FIGURE TITLE

Risk of Flooding from Surface Water



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Winchester City Boundary National Park Authorities Boundary

Recorded Highway Flooding

Flood Investigation

## Watercourses

Surface

---- Below Surface

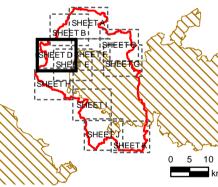
Risk of Flooding from Surface Water

3.3% AEP (High Probability)

1% AEP (Medium Probability)

0.1% AEP (Low Probability)

## OVERVIEW



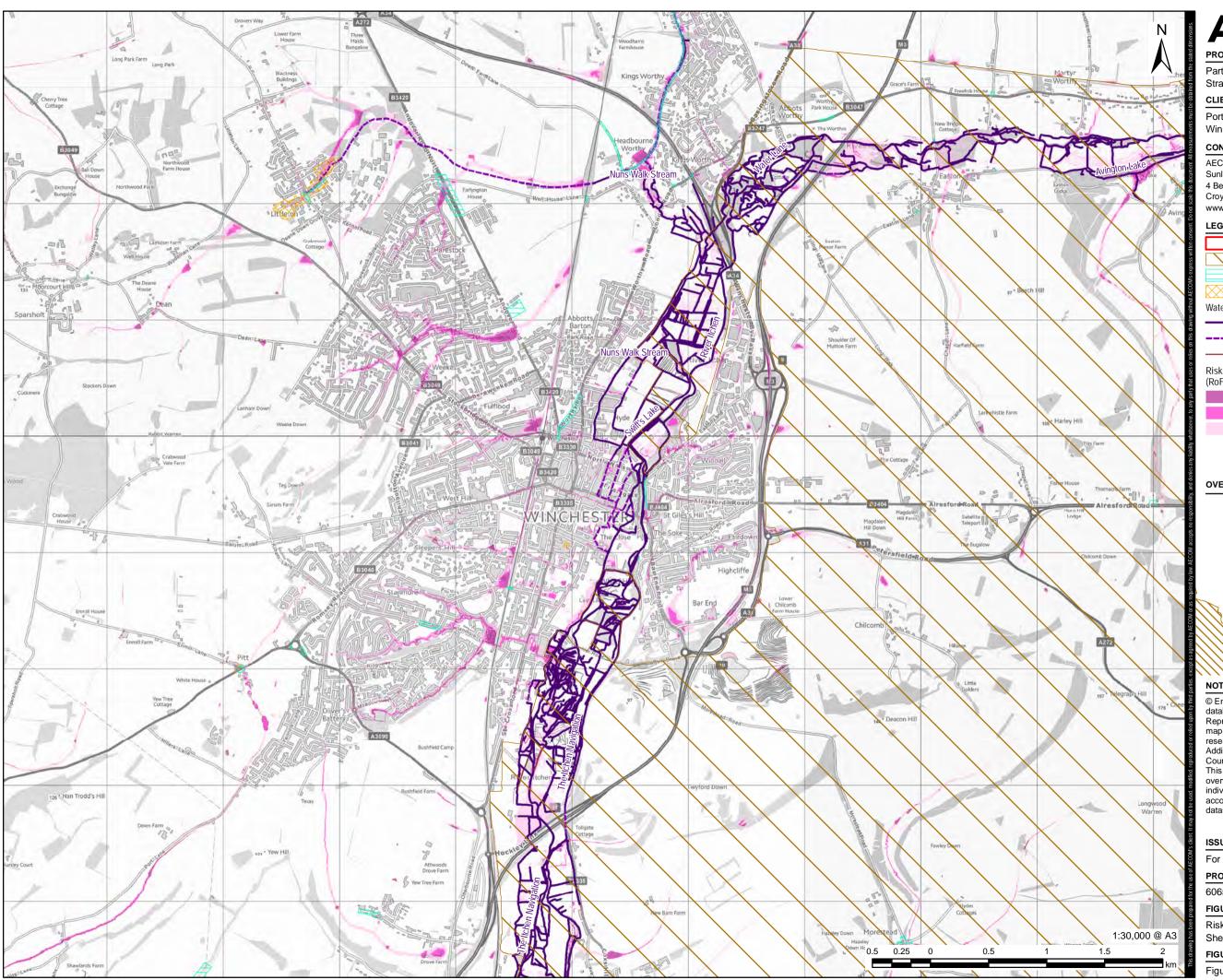
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For Information

## PROJECT NUMBER

Risk of Flooding from Surface Water



Partnership for South Hampshire Strategic Flood Risk Assessment

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

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#### LEGEND

Winchester City Boundary National Park Authorities Boundary

Recorded Highway Flooding

Flood Investigation

## Watercourses

Surface

---- Below Surface

---- Above Surface

Risk of Flooding from Surface Water (RoFSW)

3.3% AEP (High Probability)

1% AEP (Medium Probability)

0.1% AEP (Low Probability)

## OVERVIEW



## NOTES

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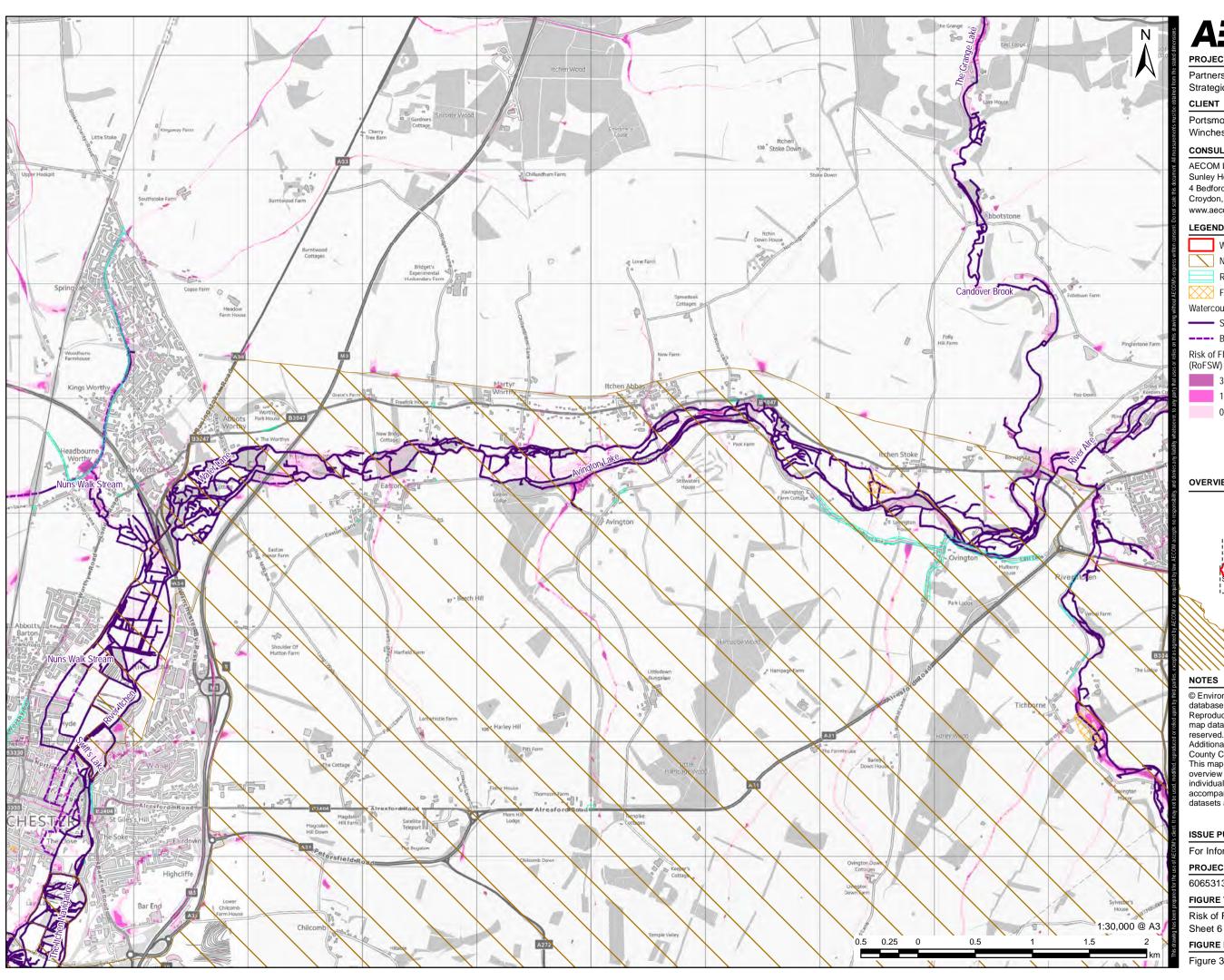
For Information

## PROJECT NUMBER

60653132

### FIGURE TITLE

Risk of Flooding from Surface Water Sheet 5 of 11



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Portsmouth City Council on behalf of Winchester City Council

## CONSULTANT

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#### LEGEND

Winchester City Boundary National Park Authorities Boundary

Recorded Highway Flooding

Flood Investigation

# Watercourses

Surface

---- Below Surface

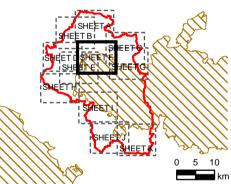
Risk of Flooding from Surface Water (RoFSW)

3.3% AEP (High Probability)

1% AEP (Medium Probability)

0.1% AEP (Low Probability)

## OVERVIEW



## NOTES

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## ISSUE PURPOSE

For Information

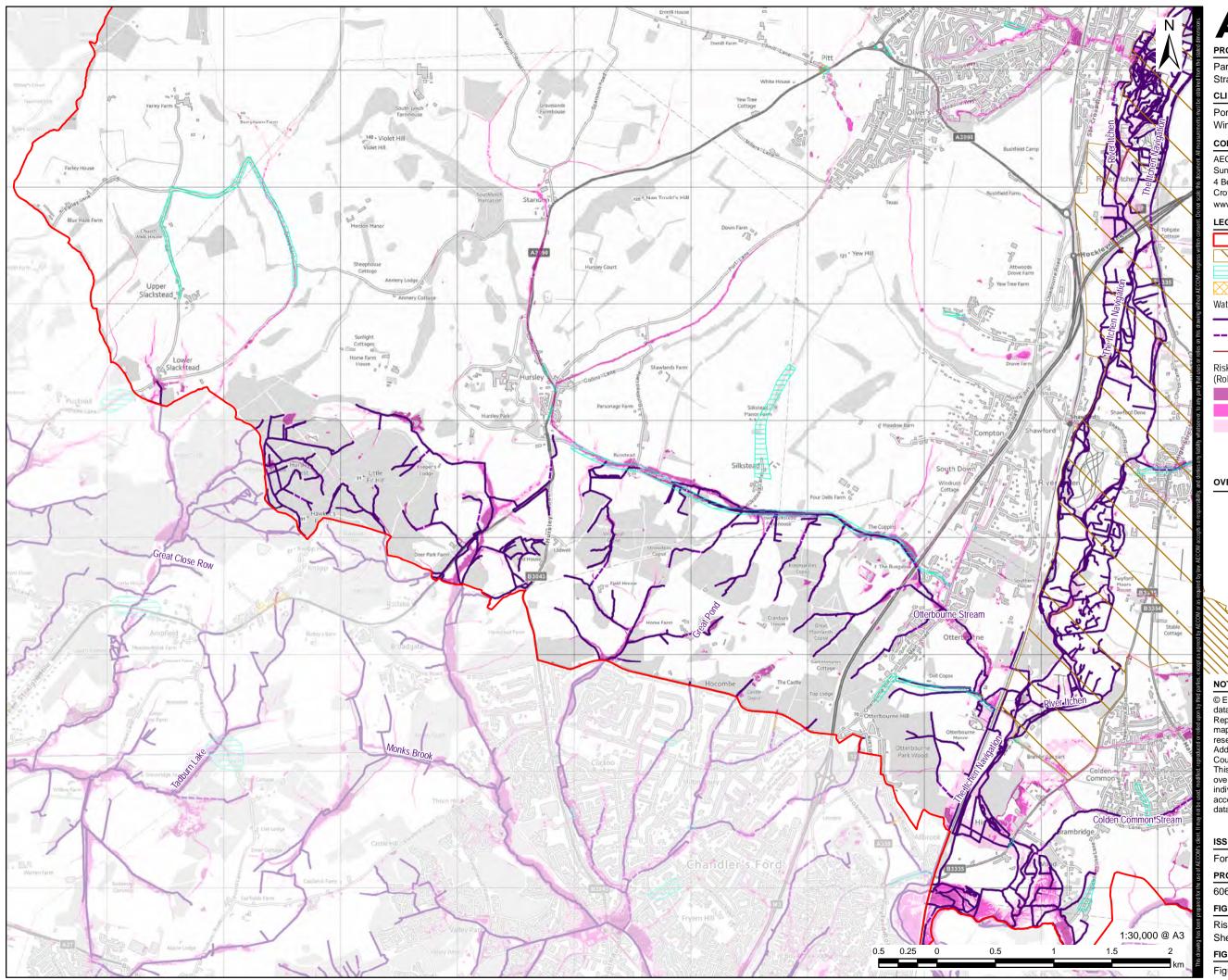
# PROJECT NUMBER

60653132

# FIGURE TITLE

Risk of Flooding from Surface Water Sheet 6 of 11

lename: F.NProjects/PfSH SFRA\02\_Maps\WinchesterDistrict\PfSH\_WinchesterDistrict\_Figure3\_RiskofFloodingfromSurfaceWater.mxd



## PROJECT

Partnership for South Hampshire Strategic Flood Risk Assessment

### CLIENT

Portsmouth City Council on behalf of Winchester City Council

## CONSULTANT

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#### LEGEND

Winchester City Boundary National Park Authorities Boundary

Recorded Highway Flooding

Flood Investigation

## Watercourses

Surface

---- Below Surface

---- Above Surface

Risk of Flooding from Surface Water (RoFSW)

3.3% AEP (High Probability)

1% AEP (Medium Probability)

0.1% AEP (Low Probability)

## OVERVIEW



## NOTES

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## ISSUE PURPOSE

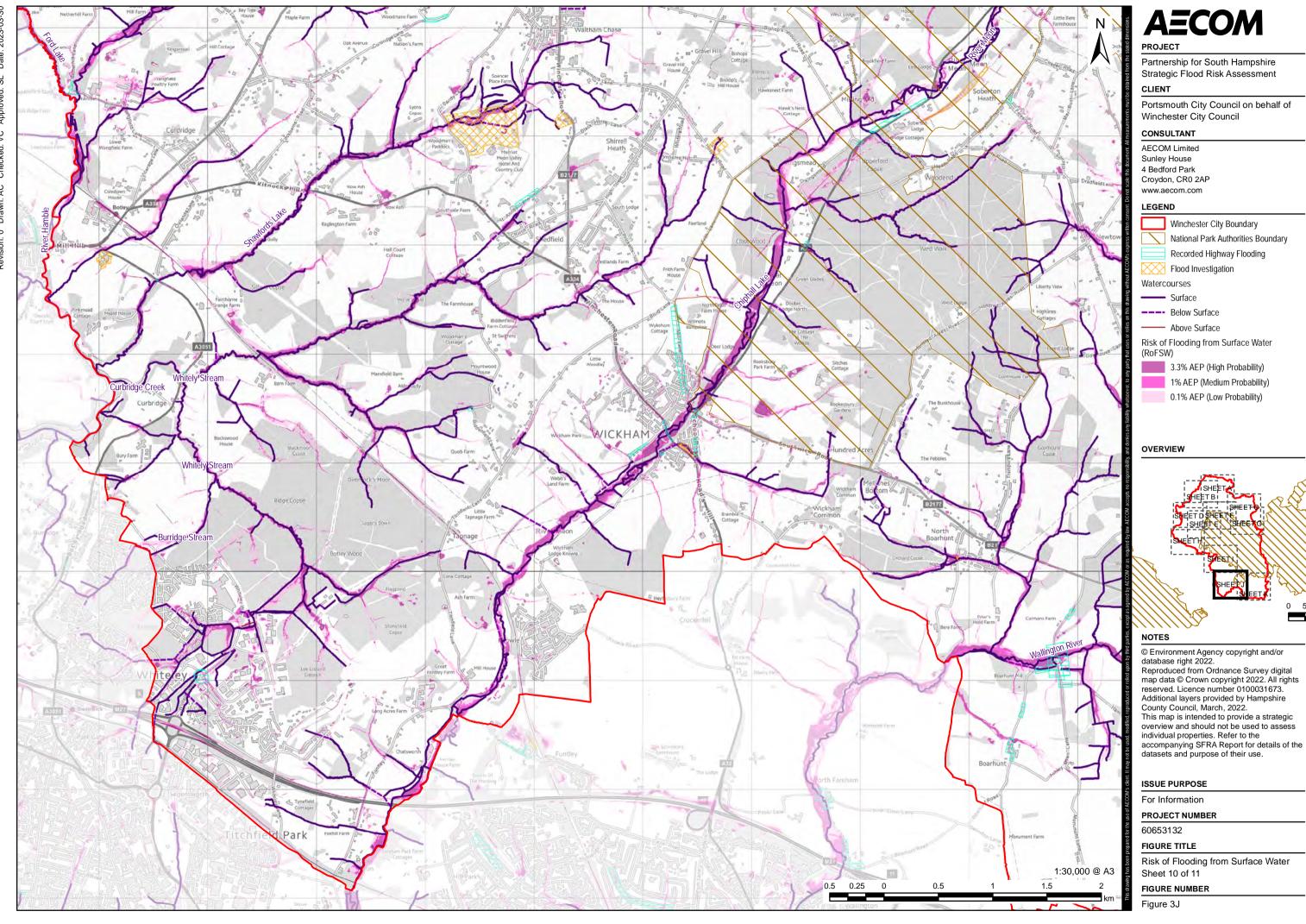
For Information

# PROJECT NUMBER

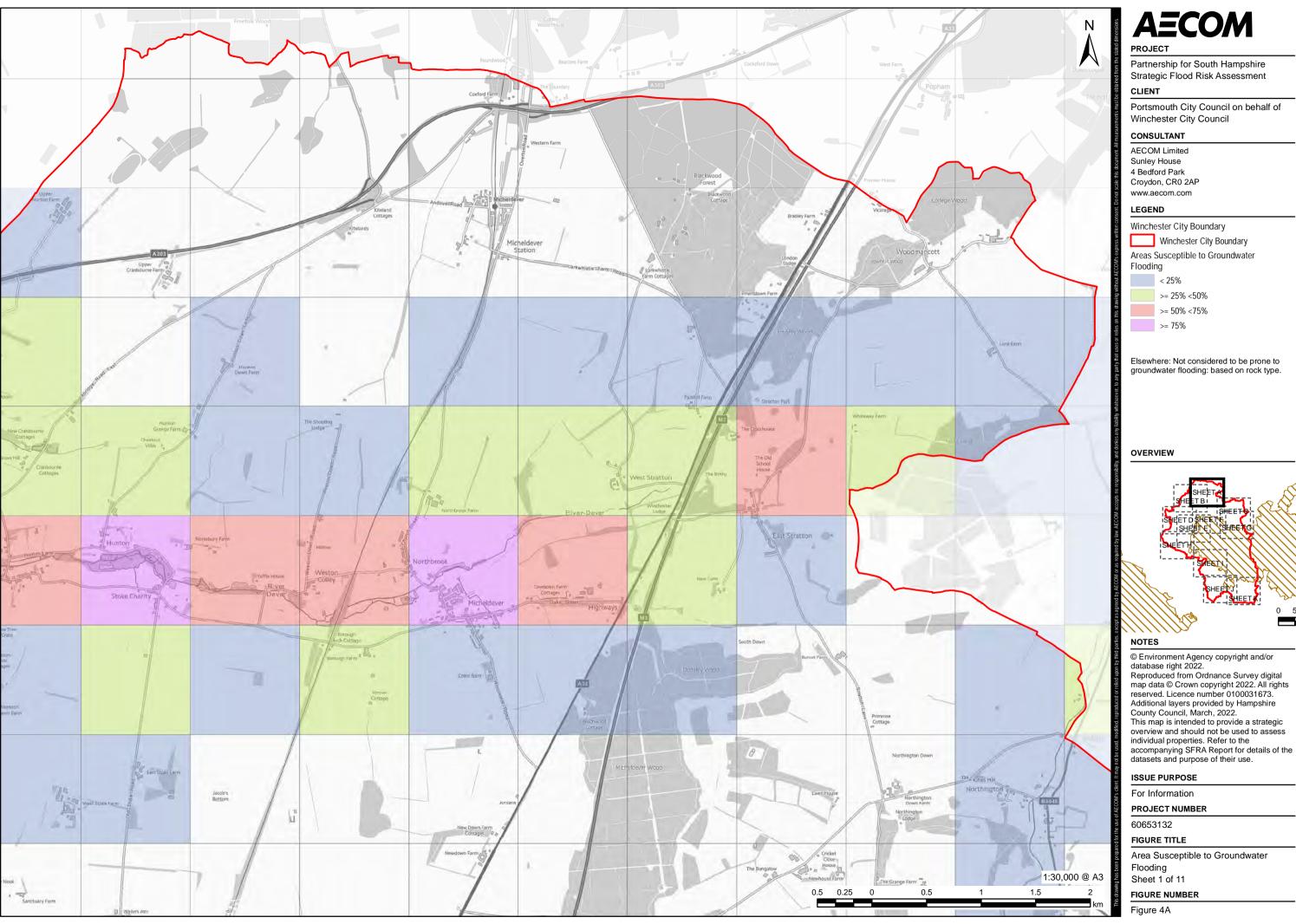
60653132

### FIGURE TITLE

Risk of Flooding from Surface Water Sheet 8 of 11





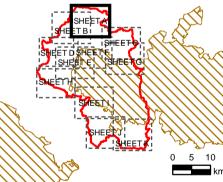


Strategic Flood Risk Assessment

Portsmouth City Council on behalf of

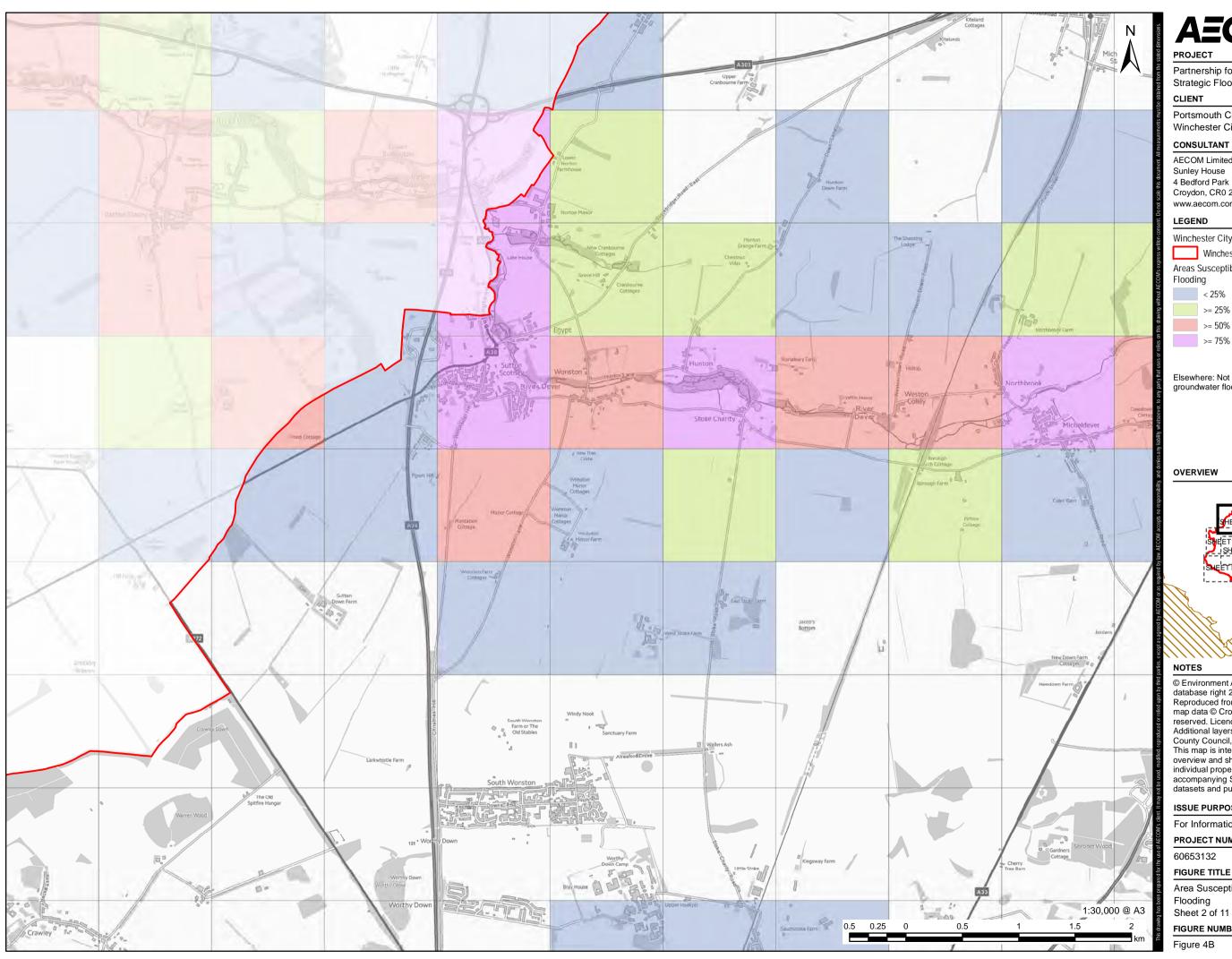
Winchester City Boundary

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.



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Area Susceptible to Groundwater



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#### LEGEND

Winchester City Boundary

Winchester City Boundary

Areas Susceptible to Groundwater Flooding

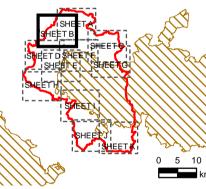
< 25%

>= 25% <50%

>= 50% <75% >= 75%

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

## OVERVIEW



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## ISSUE PURPOSE

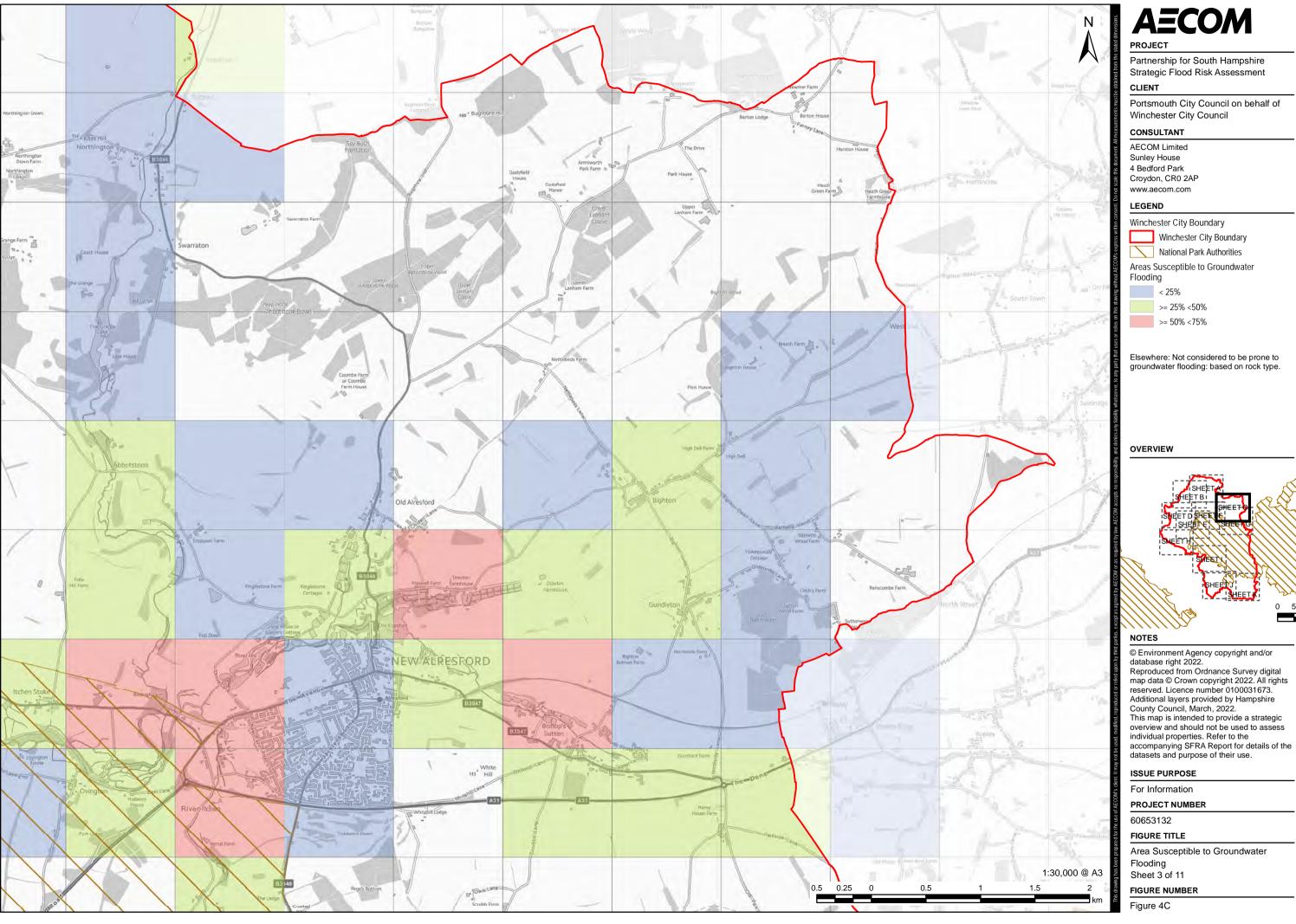
For Information

## PROJECT NUMBER

60653132

## FIGURE TITLE

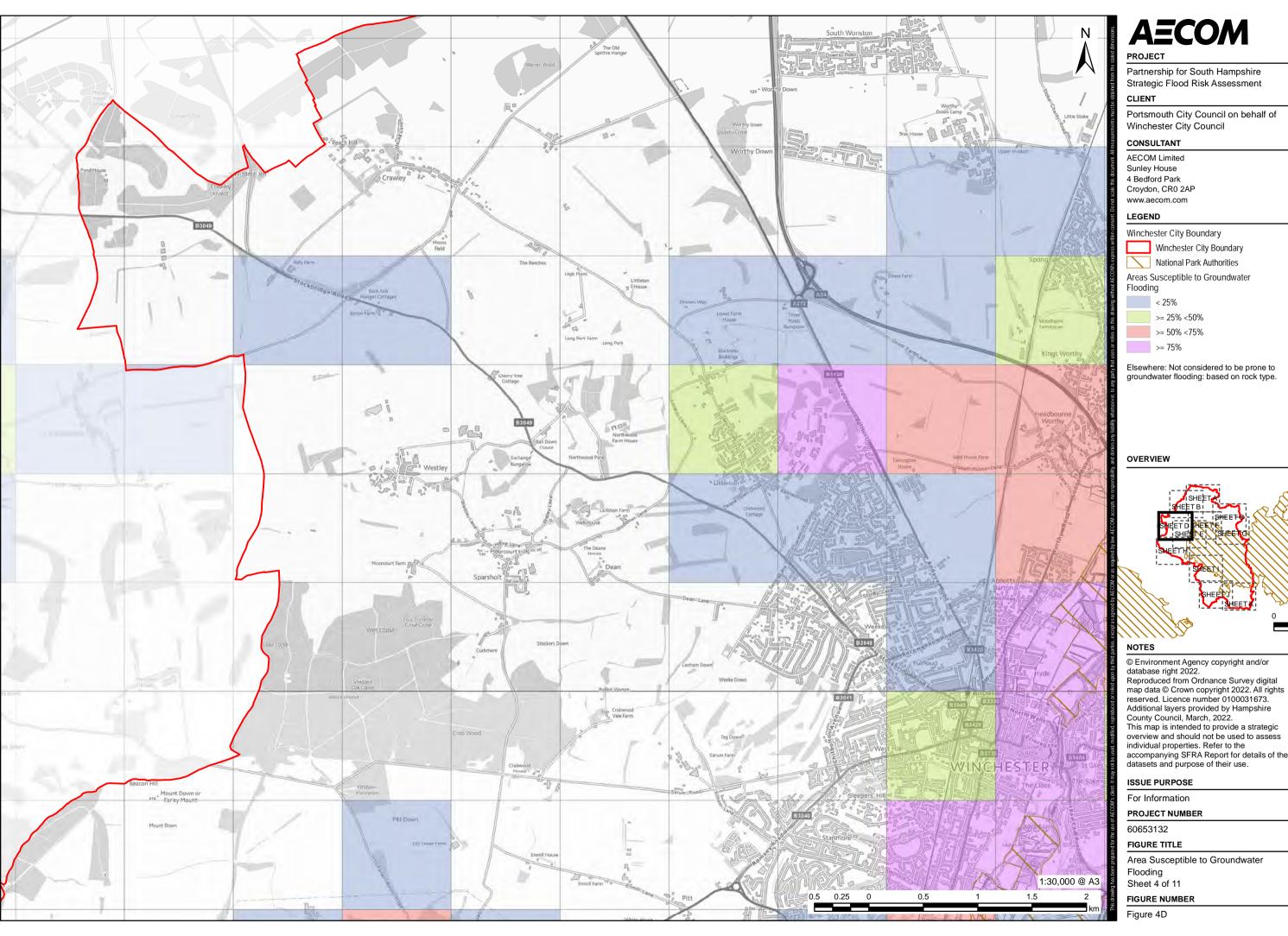
Area Susceptible to Groundwater Flooding



Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.



This map is intended to provide a strategic overview and should not be used to assess



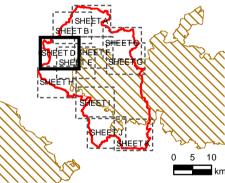
Strategic Flood Risk Assessment

Portsmouth City Council on behalf of

Winchester City Boundary

Areas Susceptible to Groundwater

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.



County Council, March, 2022. This map is intended to provide a strategic overview and should not be used to assess individual properties. Refer to the accompanying SFRA Report for details of the datasets and purpose of their use.

Area Susceptible to Groundwater

Strategic Flood Risk Assessment

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Areas Susceptible to Groundwater

Elsewhere: Not considered to be prone to



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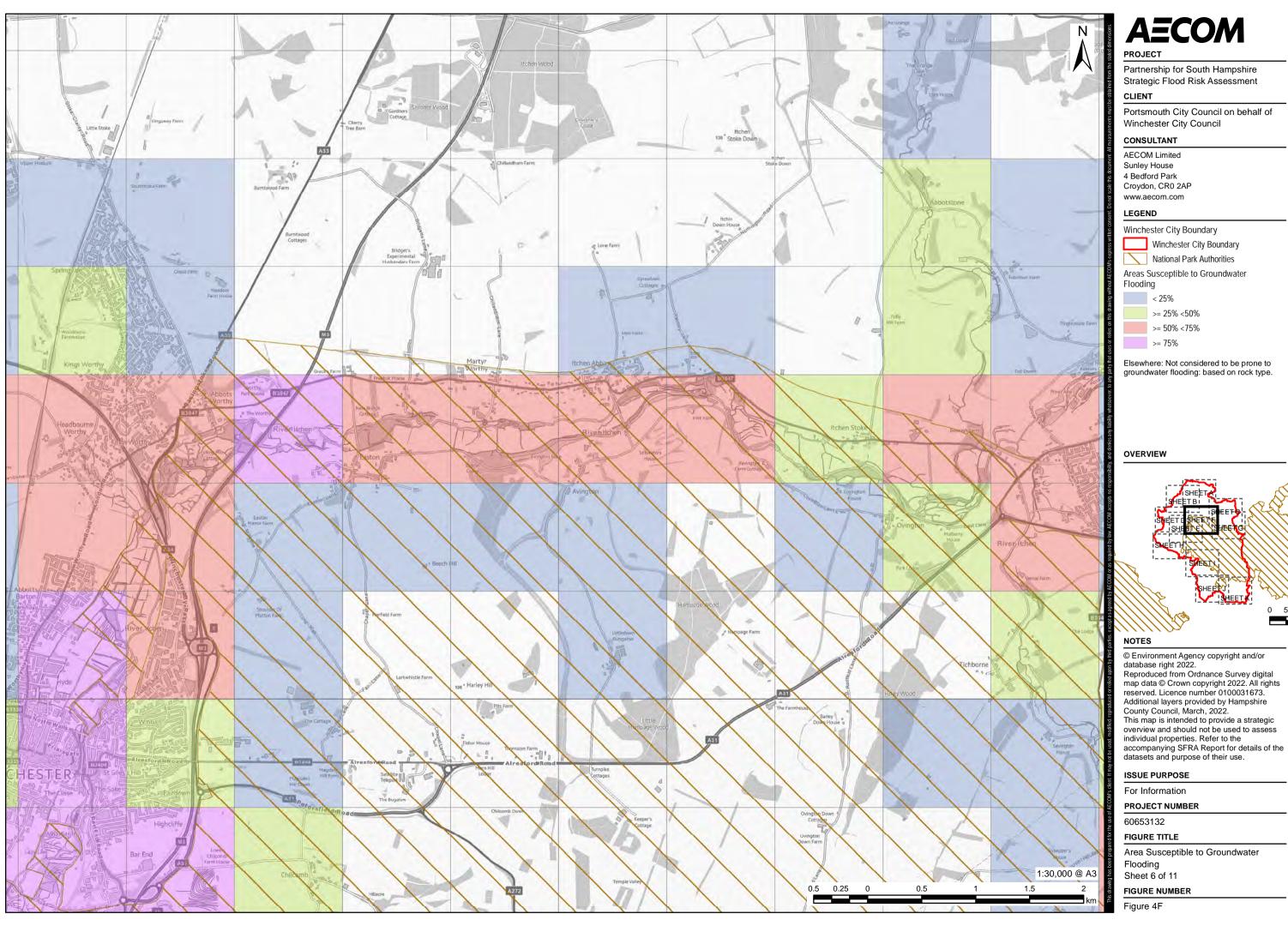
### FIGURE TITLE

Area Susceptible to Groundwater Flooding Sheet 5 of 11

#### FIGURE NUMBER

1:30,000 @ A3

0.5 0.25



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Portsmouth City Council on behalf of Winchester City Council

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#### LEGEND

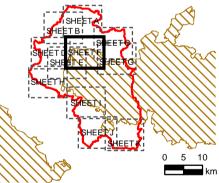
Winchester City Boundary Winchester City Boundary

Areas Susceptible to Groundwater

< 25% >= 25% <50% >= 50% < 75%

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

#### OVERVIEW



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ISSUE PURPOSE

For Information

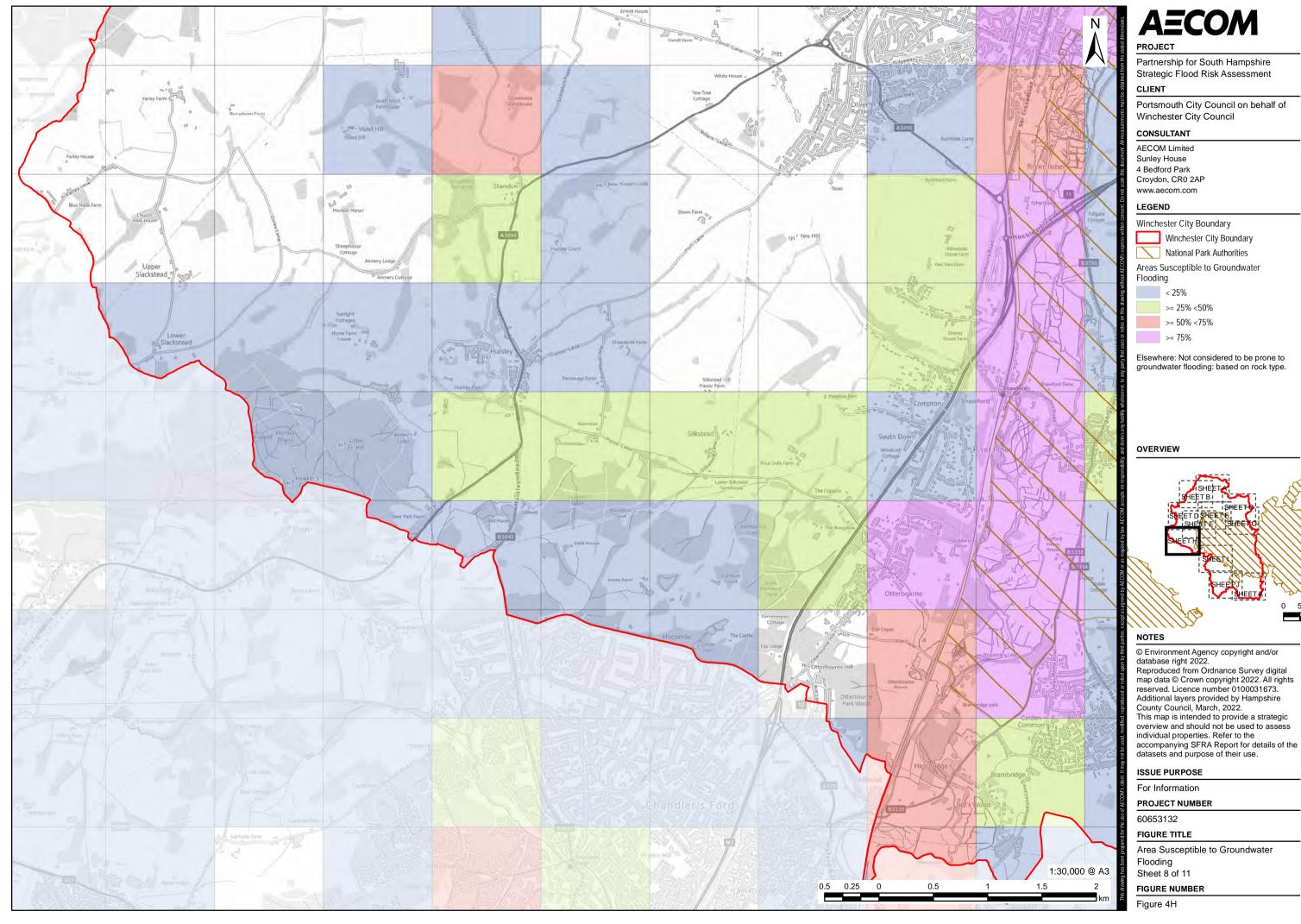
PROJECT NUMBER

60653132

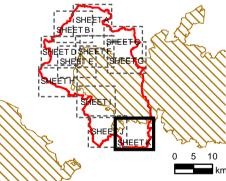
# FIGURE TITLE

Area Susceptible to Groundwater Flooding









Area Susceptible to Groundwater Flooding Sheet 11 of 11

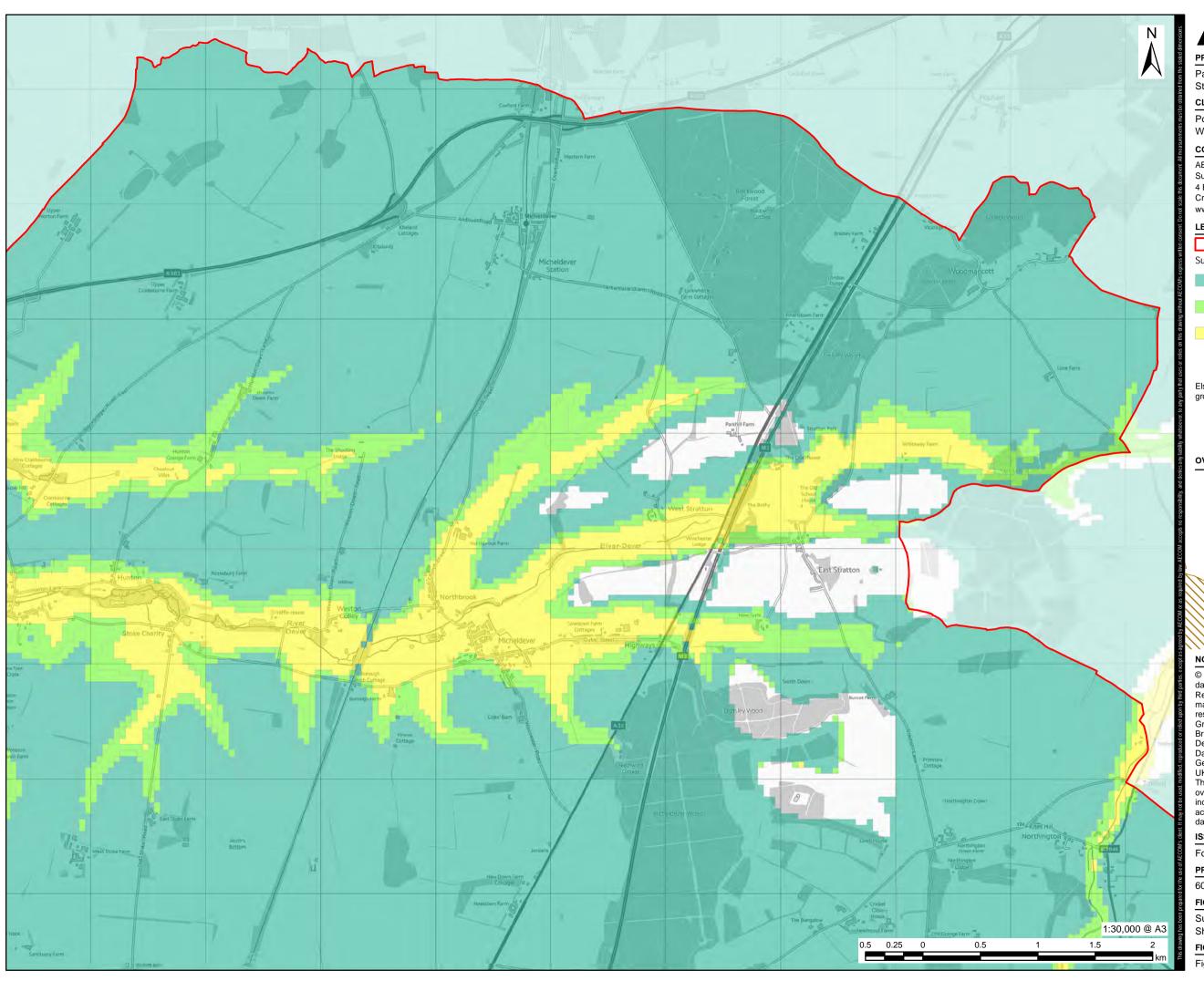
#### FIGURE NUMBER

1:30,000 @ A3

1.5

0.5 0.25

0.5



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#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

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#### LEGEND

Winchester City Boundary

Susceptibility to Groundwater Flooding

Limited potential for groundwater flooding to occur

Potential for groundwater flooding of property situated below ground level

Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

### OVERVIEW



# NOTES

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## ISSUE PURPOSE

For Information

# PROJECT NUMBER

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#### FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 1 of 11

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Portsmouth City Council on behalf of Winchester City Council

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### LEGEND

Winchester City Boundary

Susceptibility to Groundwater Flooding

Limited potential for groundwater flooding to occur

Potential for groundwater flooding of property situated below ground level

Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

## OVERVIEW



# NOTES

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# ISSUE PURPOSE

For Information

# PROJECT NUMBER

60653132

#### FIGURE TITLE

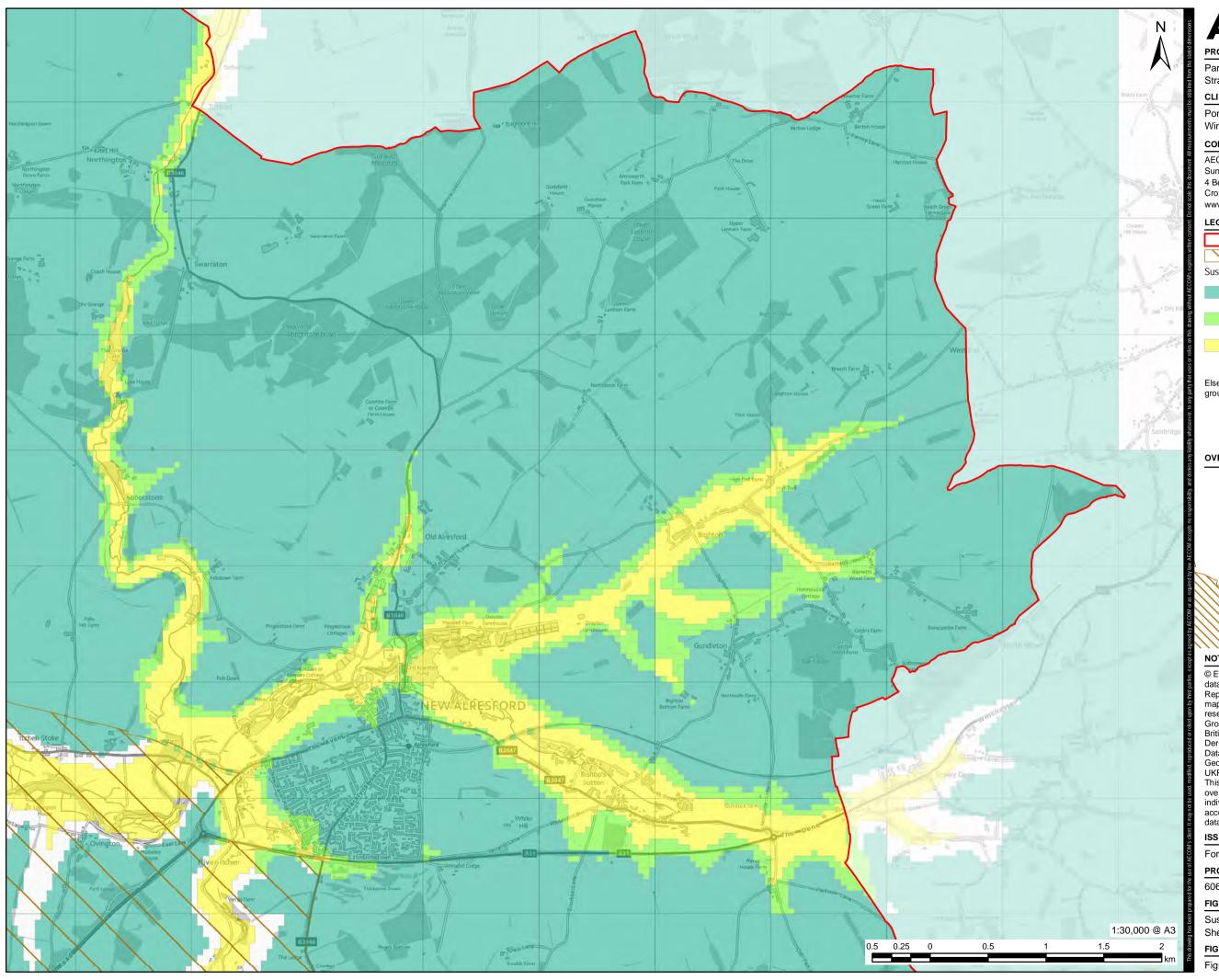
1:30,000 @ A3

1.5

0.5 0.25 0

0.5

Susceptibility to Groundwater Flooding Sheet 2 of 11



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#### CLIENT

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#### LEGEND

Winchester City Boundary National Park Authorities Boundary

Susceptibility to Groundwater Flooding

Limited potential for groundwater

flooding to occur

Potential for groundwater flooding of property situated below ground level Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

### OVERVIEW



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# ISSUE PURPOSE

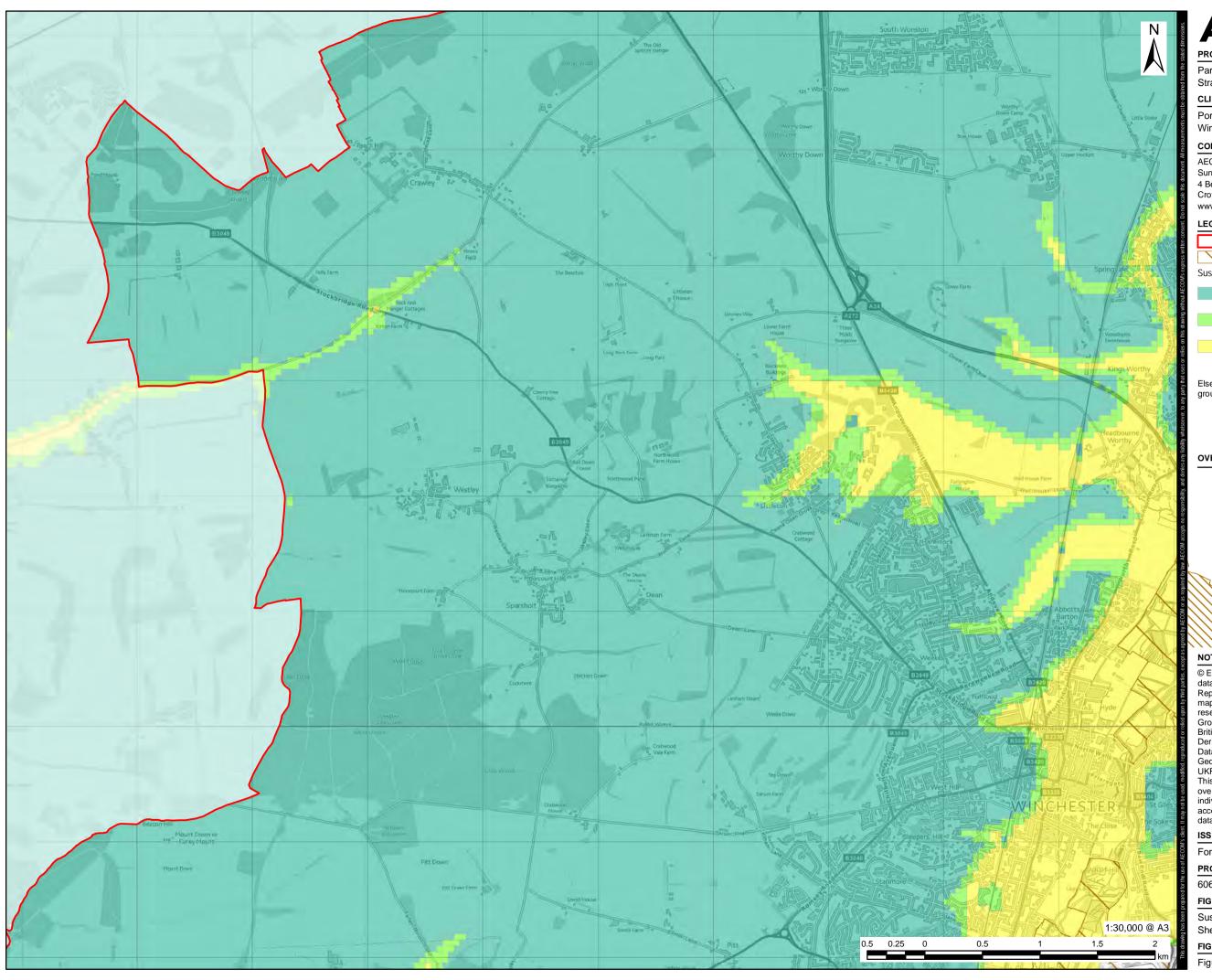
For Information

PROJECT NUMBER

60653132

#### FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 3 of 11



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#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

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#### LEGEND

Winchester City Boundary National Park Authorities Boundary

Susceptibility to Groundwater Flooding

Limited potential for groundwater

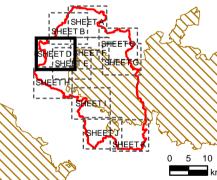
flooding to occur

Potential for groundwater flooding of property situated below ground level Potential for groundwater flooding to

occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

## OVERVIEW



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# ISSUE PURPOSE

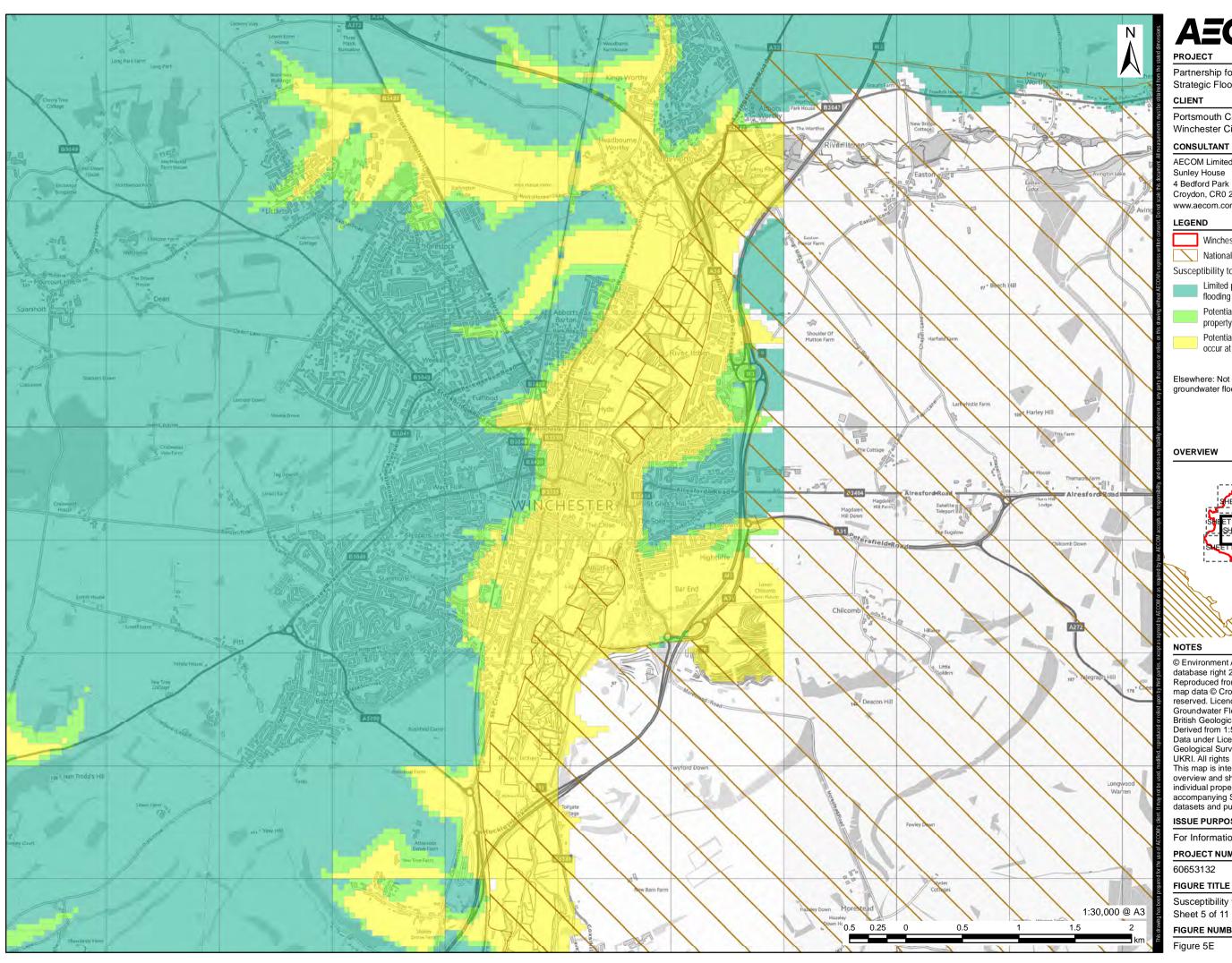
For Information

# PROJECT NUMBER

60653132

#### FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 4 of 11



Partnership for South Hampshire Strategic Flood Risk Assessment

Portsmouth City Council on behalf of Winchester City Council

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Winchester City Boundary National Park Authorities Boundary

Susceptibility to Groundwater Flooding

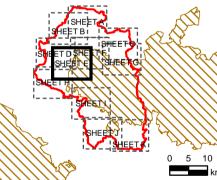
Limited potential for groundwater

flooding to occur

Potential for groundwater flooding of property situated below ground level Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

### OVERVIEW



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## ISSUE PURPOSE

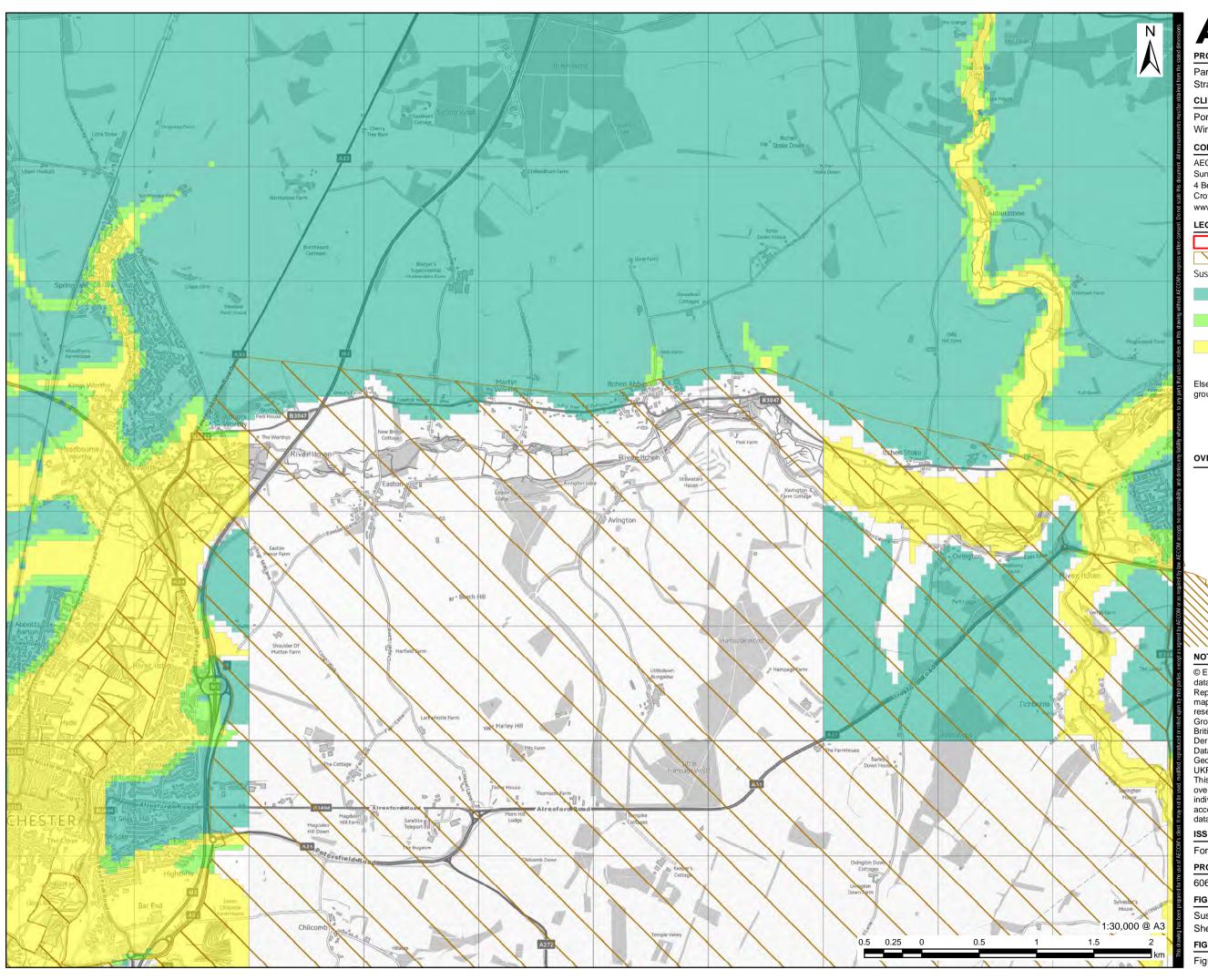
For Information

### PROJECT NUMBER

60653132

#### FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 5 of 11



Partnership for South Hampshire Strategic Flood Risk Assessment

#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

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#### LEGEND

Winchester City Boundary National Park Authorities Boundary

Susceptibility to Groundwater Flooding

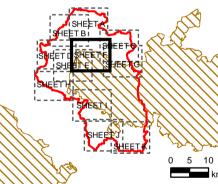
Limited potential for groundwater

flooding to occur Potential for groundwater flooding of

property situated below ground level Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

### OVERVIEW



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## ISSUE PURPOSE

For Information

### PROJECT NUMBER

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# FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 6 of 11

#### PROJEC

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#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

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#### LEGEND

Winchester City Boundary

National Park Authorities Boundary

Susceptibility to Groundwater Flooding

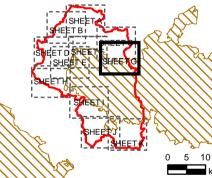
Limited potential for groundwater flooding to occur

Potential for groundwater flooding of property situated below ground level

Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

## OVERVIEW



# NOTES

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## ISSUE PURPOSE

For Information

# PROJECT NUMBER

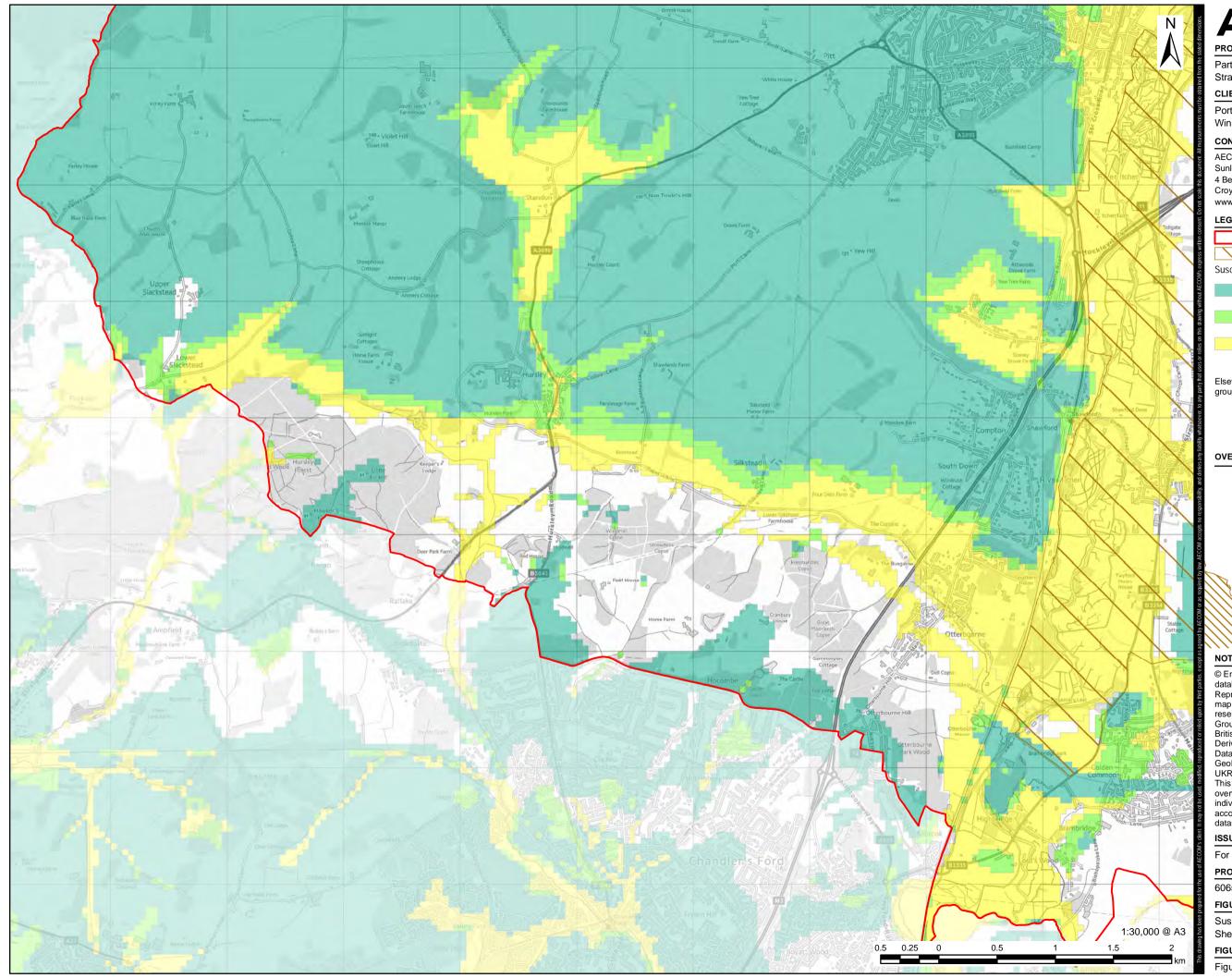
60653132

#### FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 7 of 11

#### FIGURE NUMBER

igure 5G



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#### LEGEND

Winchester City Boundary

National Park Authorities Boundary Susceptibility to Groundwater Flooding

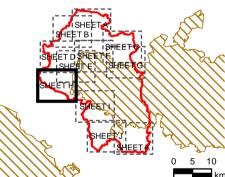
Limited potential for groundwater flooding to occur

Potential for groundwater flooding of property situated below ground level

Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

## OVERVIEW



# NOTES

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#### FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 8 of 11

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#### LEGEND

Winchester City Boundary National Park Authorities Boundary

Susceptibility to Groundwater Flooding

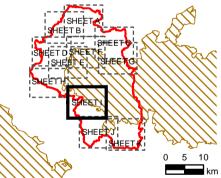
Limited potential for groundwater flooding to occur

Potential for groundwater flooding of property situated below ground level

Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

## OVERVIEW



# NOTES

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## ISSUE PURPOSE

# PROJECT NUMBER

60653132

#### FIGURE TITLE

Susceptibility to Groundwater Flooding Sheet 9 of 11

Partnership for South Hampshire Strategic Flood Risk Assessment

#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

AECOM Limited Sunley House 4 Bedford Park Croydon, CR0 2AP www.aecom.com

#### LEGEND

Winchester City Boundary

National Park Authorities Boundary Susceptibility to Groundwater Flooding

Limited potential for groundwater

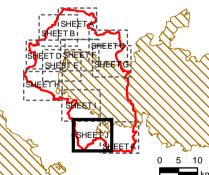
flooding to occur

Potential for groundwater flooding of property situated below ground level Potential for groundwater flooding to

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

occur at surface

## OVERVIEW



# NOTES

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## ISSUE PURPOSE

# PROJECT NUMBER

60653132

#### FIGURE TITLE

1:30,000 @ A3

1.5

0.5 0.25

Susceptibility to Groundwater Flooding Sheet 10 of 11

#### PROJE

Partnership for South Hampshire Strategic Flood Risk Assessment

#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

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#### LEGEND

Winchester City Boundary

National Park Authorities Boundary

Susceptibility to Groundwater Flooding

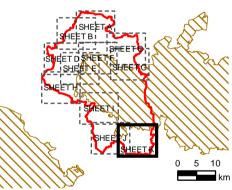
Limited potential for groundwater flooding to occur

Potential for groundwater flooding of property situated below ground level

Potential for groundwater flooding to occur at surface

Elsewhere: Not considered to be prone to groundwater flooding: based on rock type.

## OVERVIEW



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# ISSUE PURPOSE

For Information

PROJECT NUMBER

60653132

#### FIGURE TITLE

1:30,000 @ A3

1.5

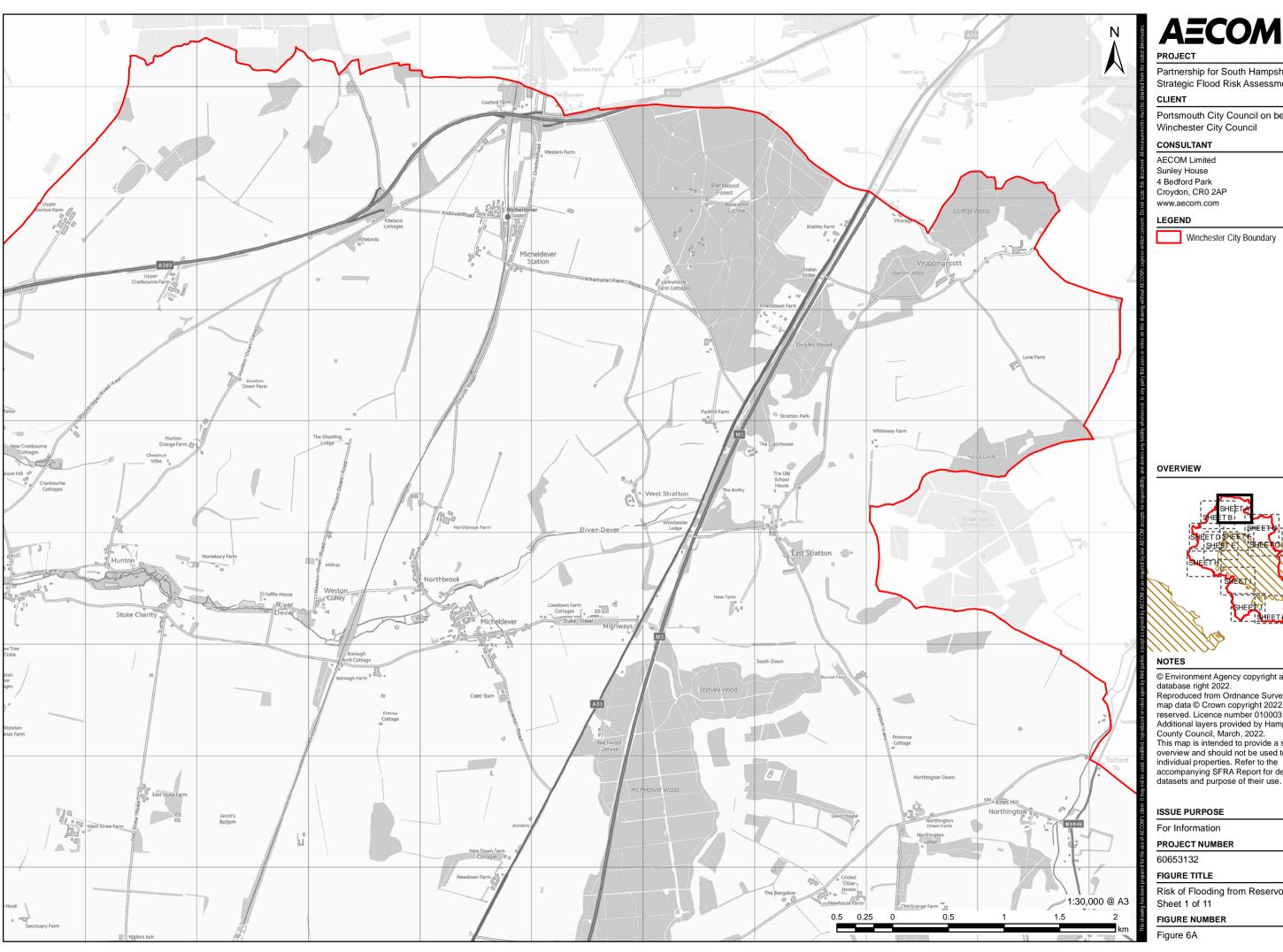
0.5 0.25

Susceptibility to Groundwater Flooding Sheet 11 of 11

#### FIGURE NUMBER

Figure 5K

name: F:Nprojects/PfSH SFRA\02\_Maps\WinchesterDistrict\PfSH\_WinchesterDistrict\_Figure5\_BGS\_Susceptibility.mxd



Partnership for South Hampshire Strategic Flood Risk Assessment

### CLIENT

Portsmouth City Council on behalf of Winchester City Council

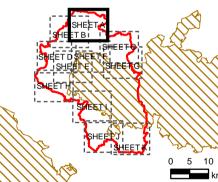
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#### LEGEND

Winchester City Boundary

# OVERVIEW



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# ISSUE PURPOSE

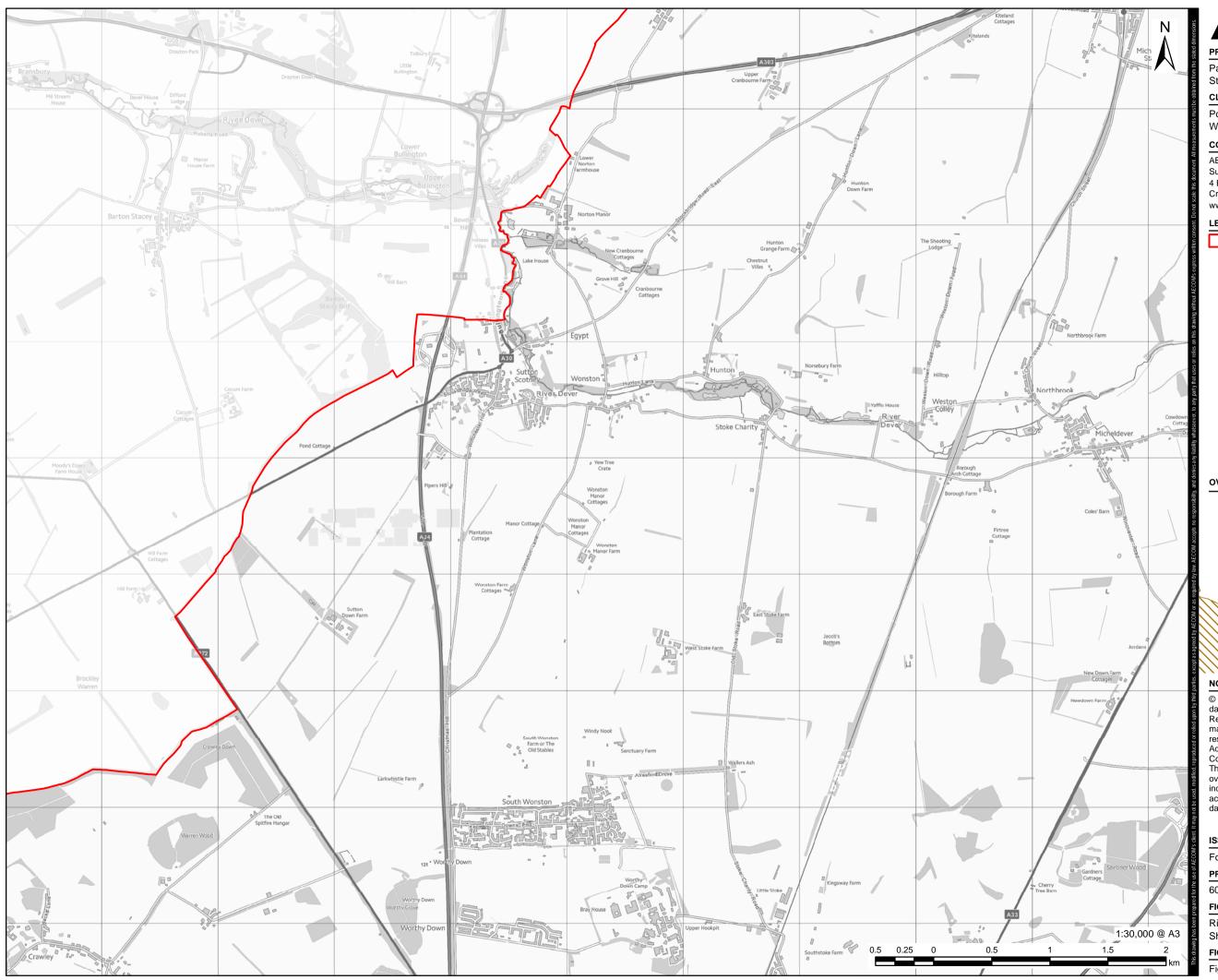
For Information

# PROJECT NUMBER

60653132

#### FIGURE TITLE

Risk of Flooding from Reservoirs Sheet 1 of 11



#### PROJEC

Partnership for South Hampshire Strategic Flood Risk Assessment

### CLIENT

Portsmouth City Council on behalf of Winchester City Council

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#### LEGEND

Winchester City Boundary

#### OVERVIEW

SHEET B SHEET SHEE

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# ISSUE PURPOSE

For Information

# PROJECT NUMBER

60653132

# FIGURE TITLE

Risk of Flooding from Reservoirs Sheet 2 of 11

### FIGURE NUMBER

igure 6B

Partnership for South Hampshire Strategic Flood Risk Assessment

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#### LEGEND

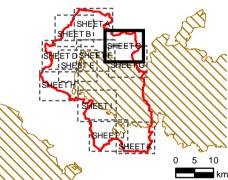
Winchester City Boundary National Park Authorities

Risk of flooding from reservoirs

When river levels are normal

When there is also flooding from rivers

#### OVERVIEW



### NOTES

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# ISSUE PURPOSE

For Information

### PROJECT NUMBER

60653132

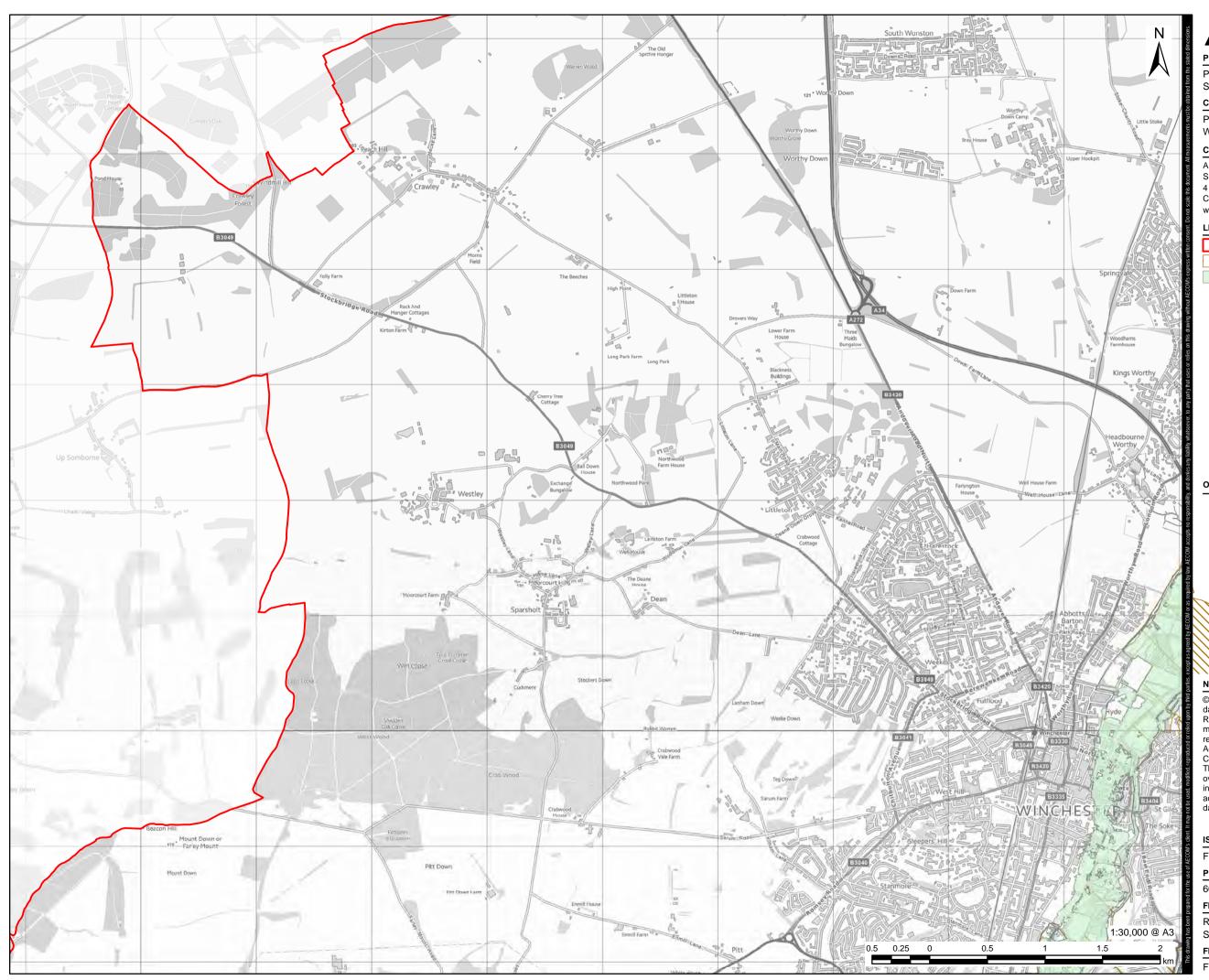
#### FIGURE TITLE

Risk of Flooding from Reservoirs Sheet 3 of 11

### FIGURE NUMBER

1:30,000 @ A3

0.25



Partnership for South Hampshire Strategic Flood Risk Assessment

#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

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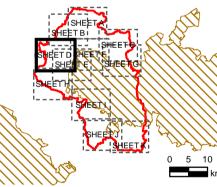
#### LEGEND



Winchester City Boundary National Park Authorities

When there is also flooding from rivers

#### OVERVIEW



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# ISSUE PURPOSE

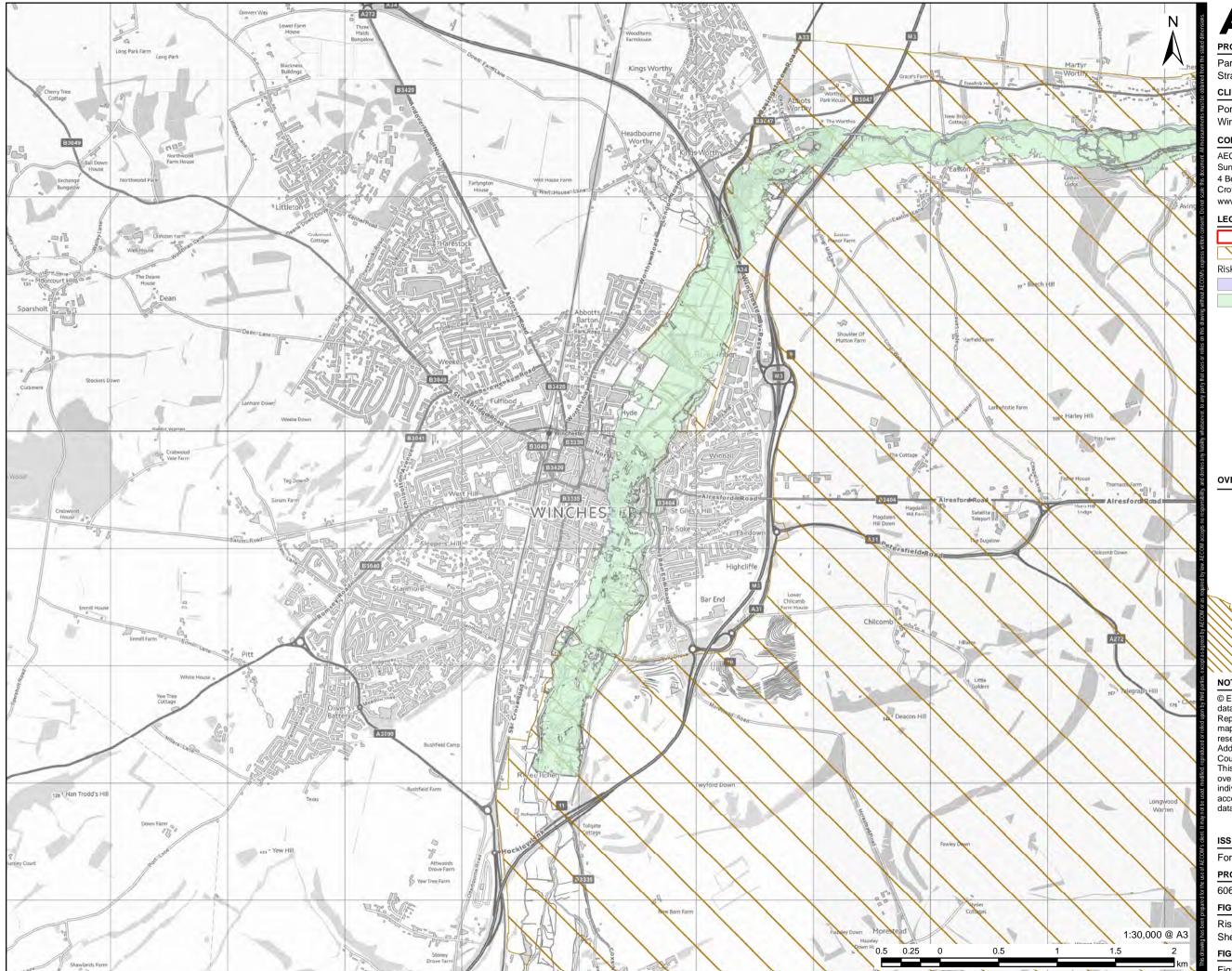
For Information

### PROJECT NUMBER

60653132

# FIGURE TITLE

Risk of Flooding from Reservoirs Sheet 4 of 11



#### PROJEC

Partnership for South Hampshire Strategic Flood Risk Assessment

#### J

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

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#### LEGEND

Winchester City Boundary

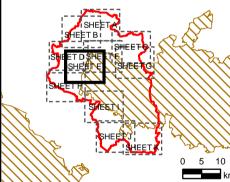
National Park Authorities

Risk of flooding from reservoirs

When river levels are normal

When there is also flooding from rivers

### OVERVIEW



### NOTES

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# ISSUE PURPOSE

For Information

### PROJECT NUMBER

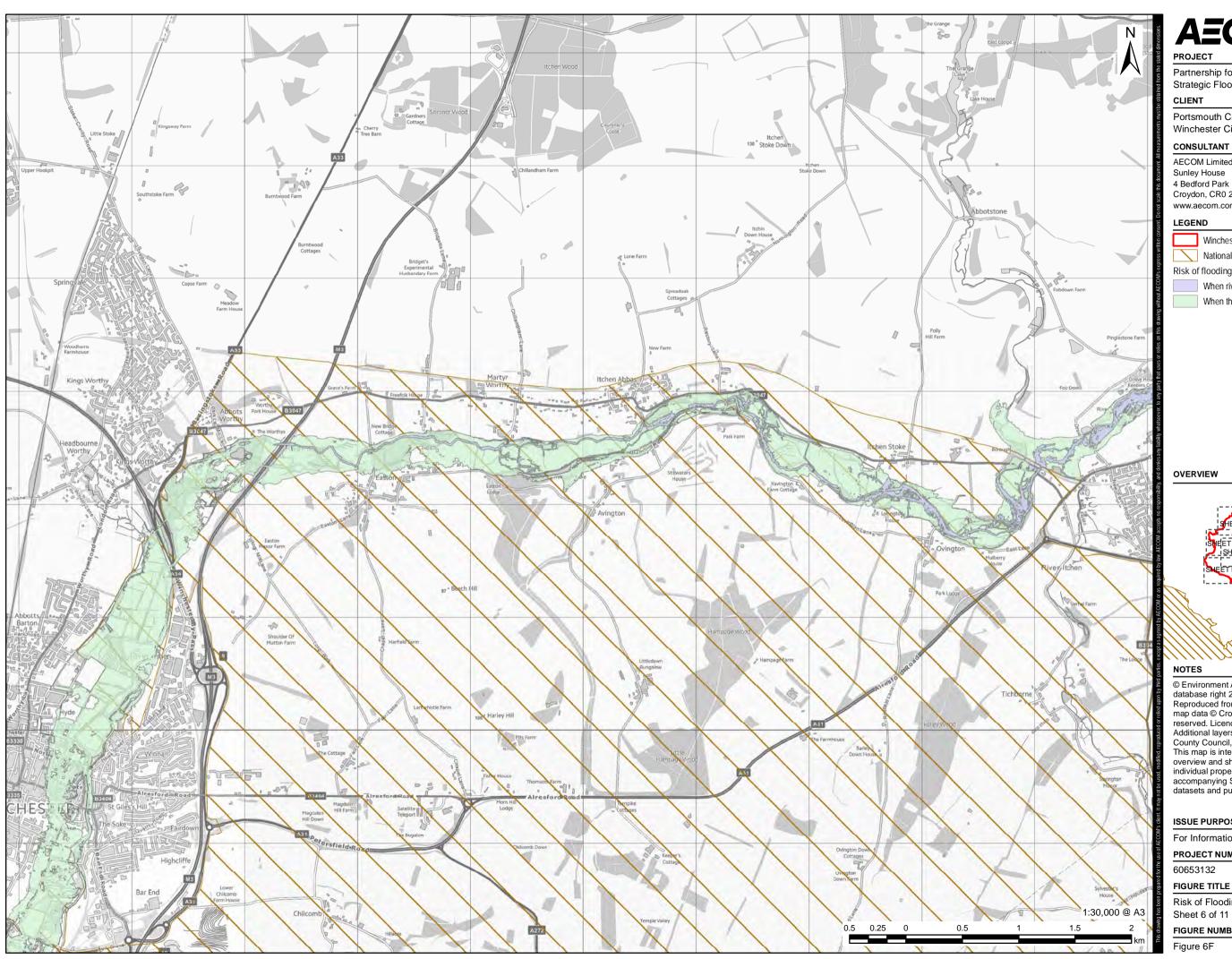
60653132

#### FIGURE TITLE

Risk of Flooding from Reservoirs Sheet 5 of 11

#### FIGURE NUMBER

igure 6F



Partnership for South Hampshire Strategic Flood Risk Assessment

#### CLIENT

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

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#### LEGEND

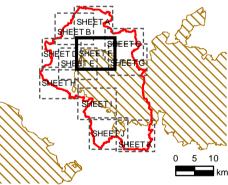
Winchester City Boundary National Park Authorities

Risk of flooding from reservoirs

When river levels are normal

When there is also flooding from rivers

### OVERVIEW



### NOTES

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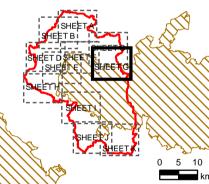
# ISSUE PURPOSE

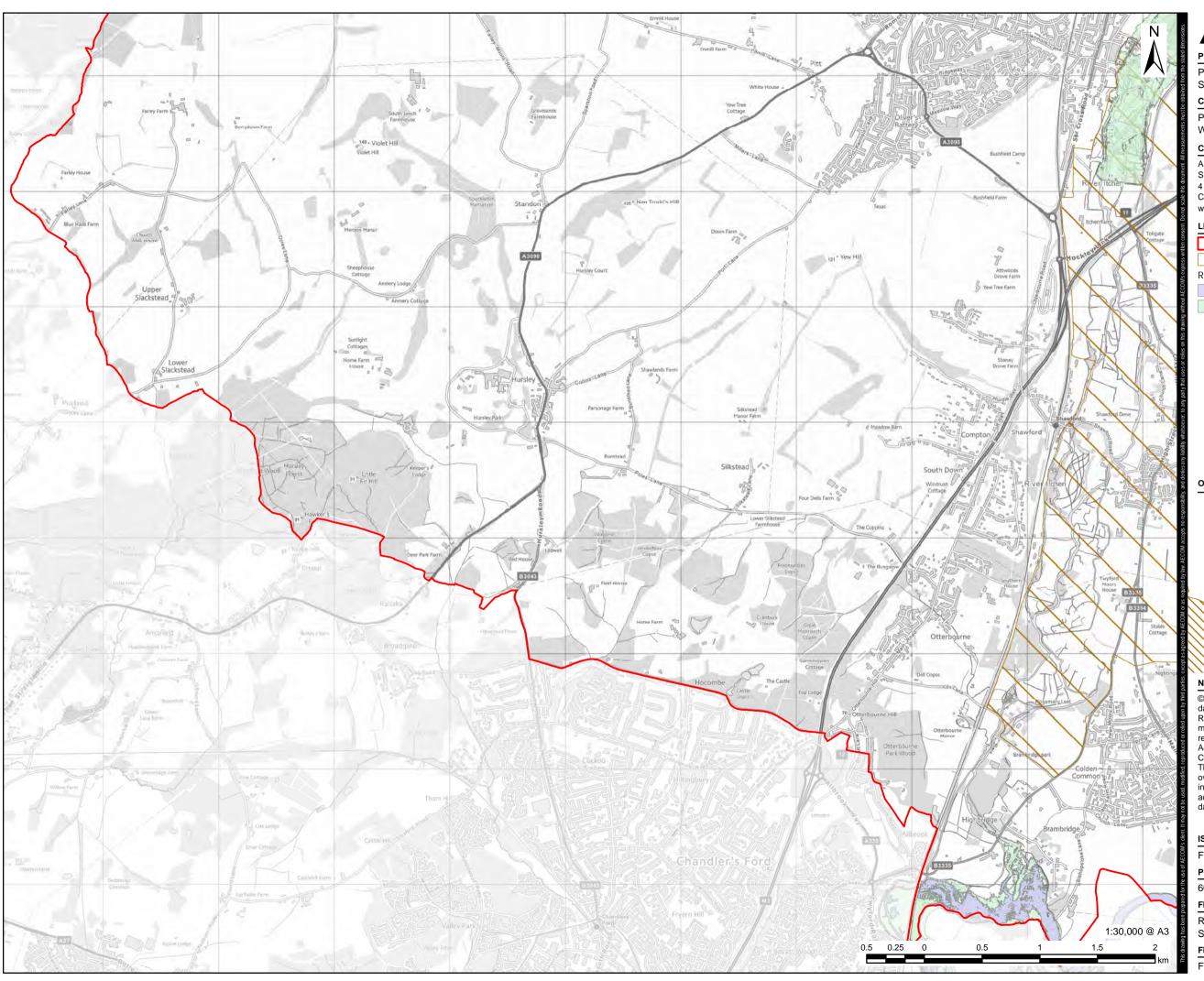
For Information

# PROJECT NUMBER

FIGURE TITLE Risk of Flooding from Reservoirs

When there is also flooding from rivers





#### PROJEC

Partnership for South Hampshire Strategic Flood Risk Assessment

# CLIENT

Portsmouth City Council on behalf of Winchester City Council

# CONSULTANT

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#### LEGEND

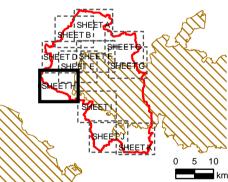
Winchester City Boundary
National Park Authorities

Risk of flooding from reservoirs

When river levels are normal

When there is also flooding from rivers

### OVERVIEW



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# ISSUE PURPOSE

For Information

# PROJECT NUMBER

60653132

# FIGURE TITLE

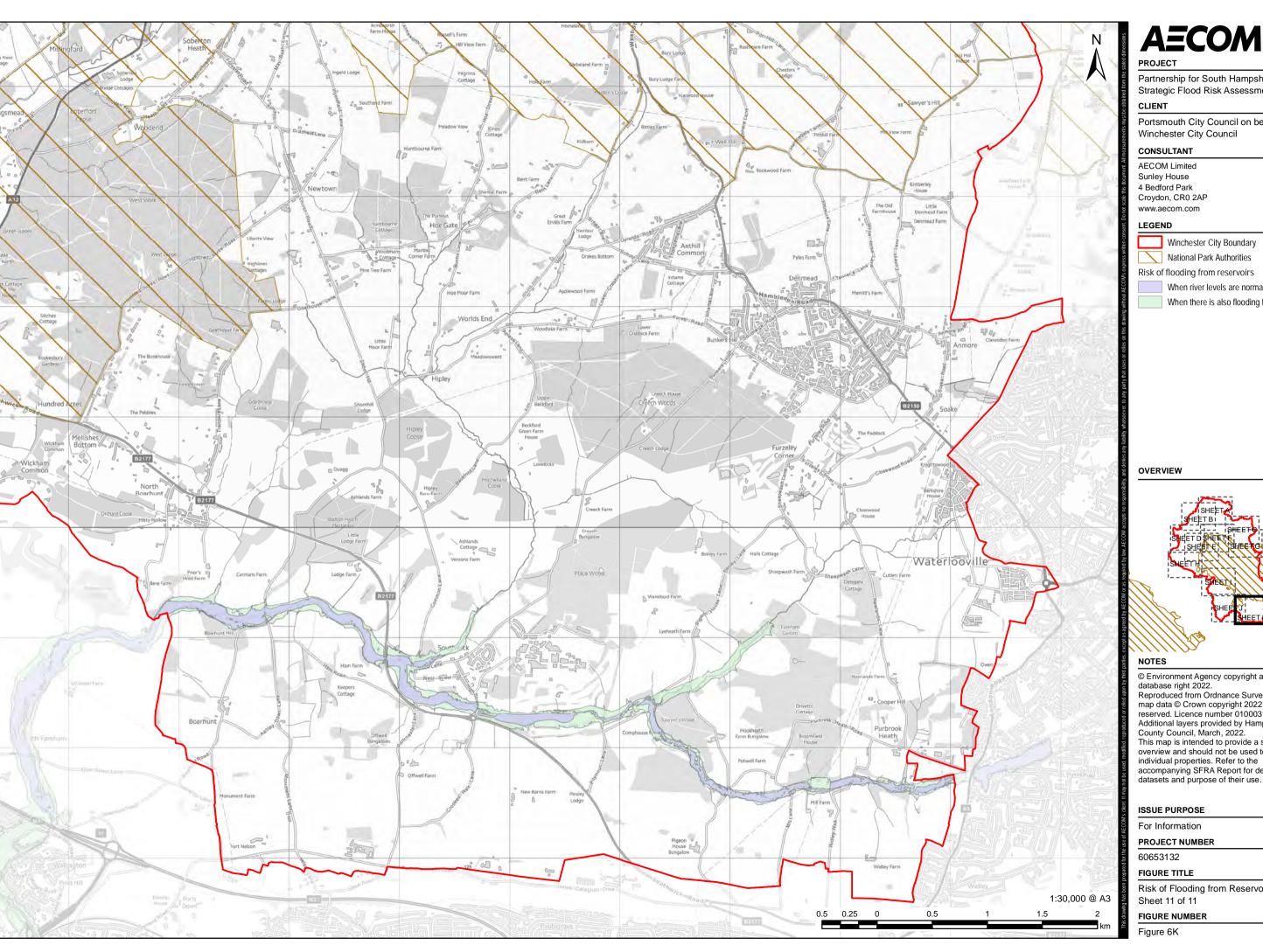
Risk of Flooding from Reservoirs Sheet 8 of 11

### FIGURE NUMBER

Figure 6H

name: F:\Projects\PfSH SFRA\02\_Maps\\WinchesterDistrict\PfSH\_WinchesterDistrict\_Figure6\_RiskofFloodingfromReservoirs.mxd





Partnership for South Hampshire Strategic Flood Risk Assessment

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#### LEGEND

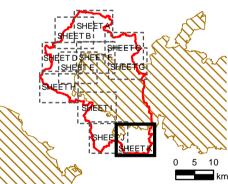
Winchester City Boundary National Park Authorities

Risk of flooding from reservoirs

When river levels are normal

When there is also flooding from rivers

### OVERVIEW



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### ISSUE PURPOSE

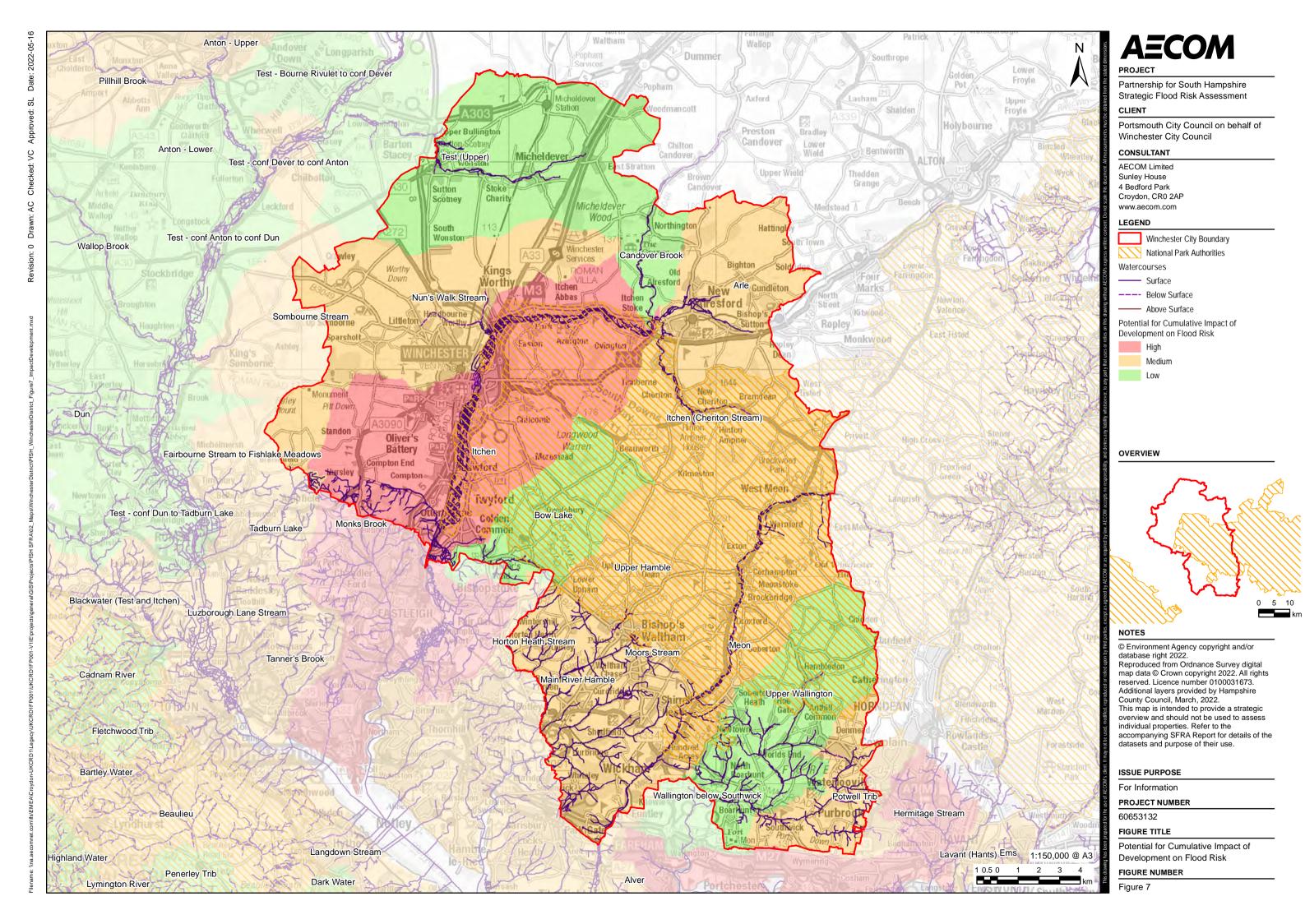
For Information

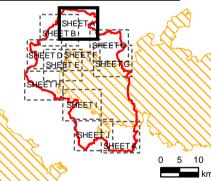
# PROJECT NUMBER

60653132

#### FIGURE TITLE

Risk of Flooding from Reservoirs Sheet 11 of 11





# **AECOM**

Partnership for South Hampshire Strategic Flood Risk Assessment

Portsmouth City Council on behalf of Winchester City Council

## CONSULTANT

AECOM Limited Sunley House 4 Bedford Park Croydon, CR0 2AP www.aecom.com

### LEGEND

Winchester City Boundary National Park Authorities Woodland Constraints

Watercourses

Surface

--- Below Surface

Working with Natural Processes (EA Dataset)

Floodplain Woodland Planting Potential

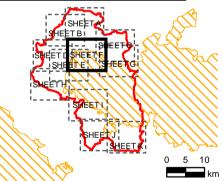
Riparian Woodland Planting Potential

Floodplain Reconnection Potential Runoff Attenuation Features (EA

Dataset)

3.3% AEP 1% AEP

# OVERVIEW



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## ISSUE PURPOSE

# PROJECT NUMBER

60653132

## FIGURE TITLE

Opportunities to reduce causes and impacts of flooding

FIGURE NUMBER

# **A**ECOM

Strategic Flood Risk Assessment

Portsmouth City Council on behalf of Winchester City Council

Winchester City Boundary National Park Authorities

Working with Natural Processes (EA

Floodplain Woodland Planting Potential

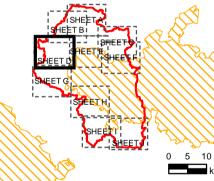
Floodplain Reconnection Potential

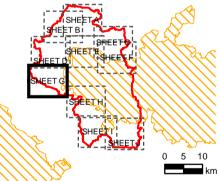
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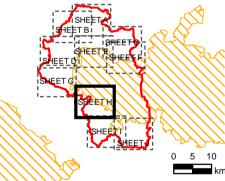
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Opportunities to reduce causes and







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Portsmouth City Council on behalf of Winchester City Council

## CONSULTANT

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Winchester City Boundary National Park Authorities

Hampshire County Council Catchment Management Plans

Watercourses

Surface

---- Below Surface

SMP Policy for Epoch 3 (50-100

Hold the Line

Managed Realignment

No Active Intervention

### OVERVIEW



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## ISSUE PURPOSE

For Information

## PROJECT NUMBER

# FIGURE TITLE

Flood risk management policies

### FIGURE NUMBER





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