

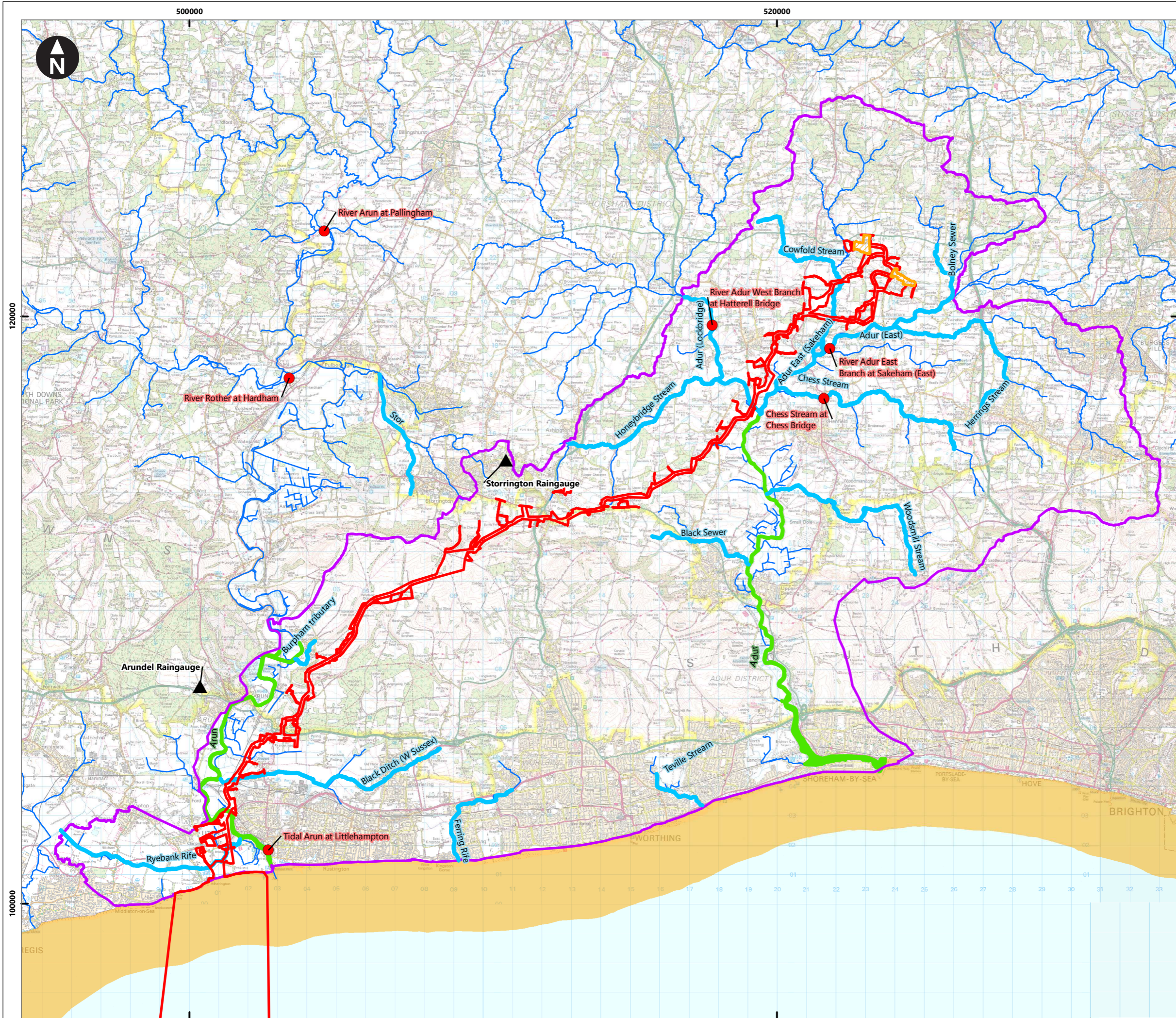
Volume 3, Chapter 27

Water Environment Figures



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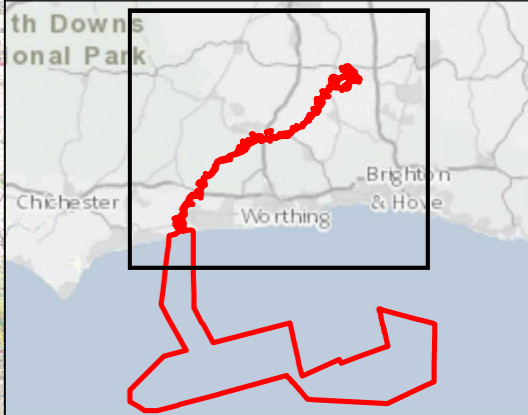
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Key

- PEIR Assessment Boundary
- Onshore substation search areas
- Water environment study area
- Water Framework Directive (WFD) water bodies considered within Water environment chapter**
- WFD river water bodies
- WFD transitional water bodies
- WFD coastal water bodies
- Rivers
- River gauging locations
- Rain gauge



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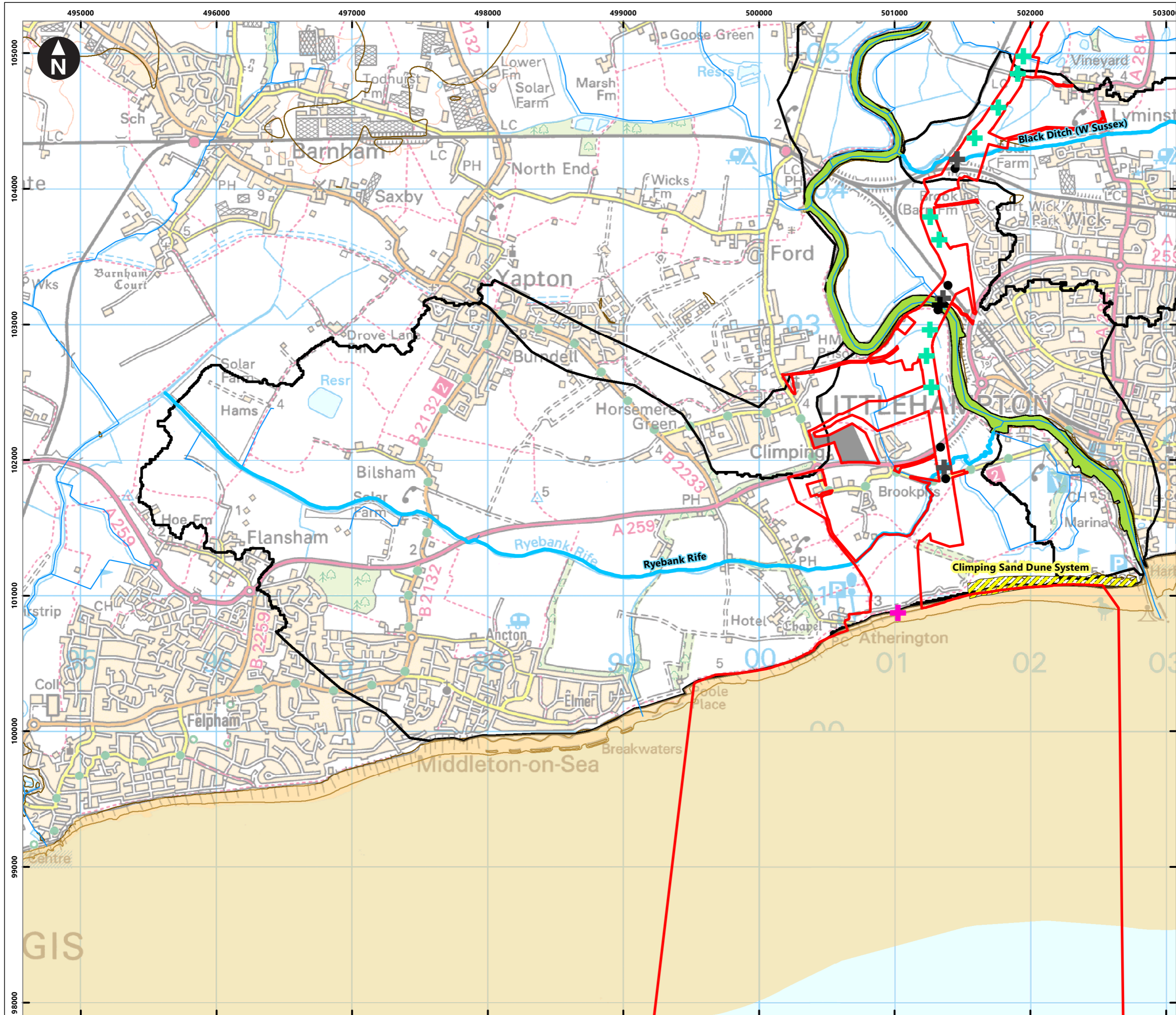


Rampion 2 Offshore Wind Farm

Figure 27.1 Water environment study area and overview of surface water WFD water bodies and monitoring locations

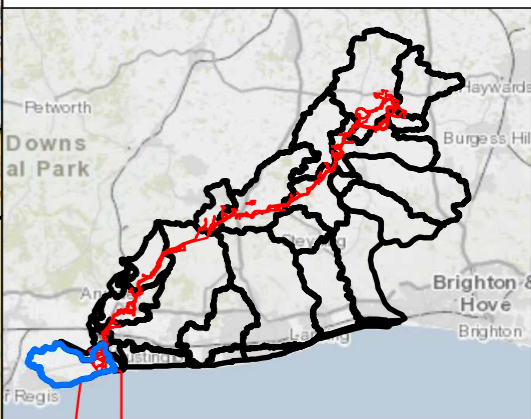
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- Key**
- PEIR Assessment Boundary
 - Onshore substation search areas
 - Temporary construction compounds
 - Catchments
 - Open cut, road
 - Open cut, surface drain
 - Open cut, track
 - Open cut, watercourse
 - Trenchless, rail
 - Trenchless, road
 - Trenchless, surface drain
 - Trenchless, track
 - Trenchless, watercourse
 - Trenchless, landfall
 - Springs
 - Ponds
 - Rivers
 - Contours
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- WFD transitional water bodies
 - WFD coastal water body
 - WFD river water bodies
- Potentially water dependent conservation sites or geological features of interest**
- Local geological sites
 - Sites of special scientific interest
 - Local nature reserves
 - Local wildlife sites

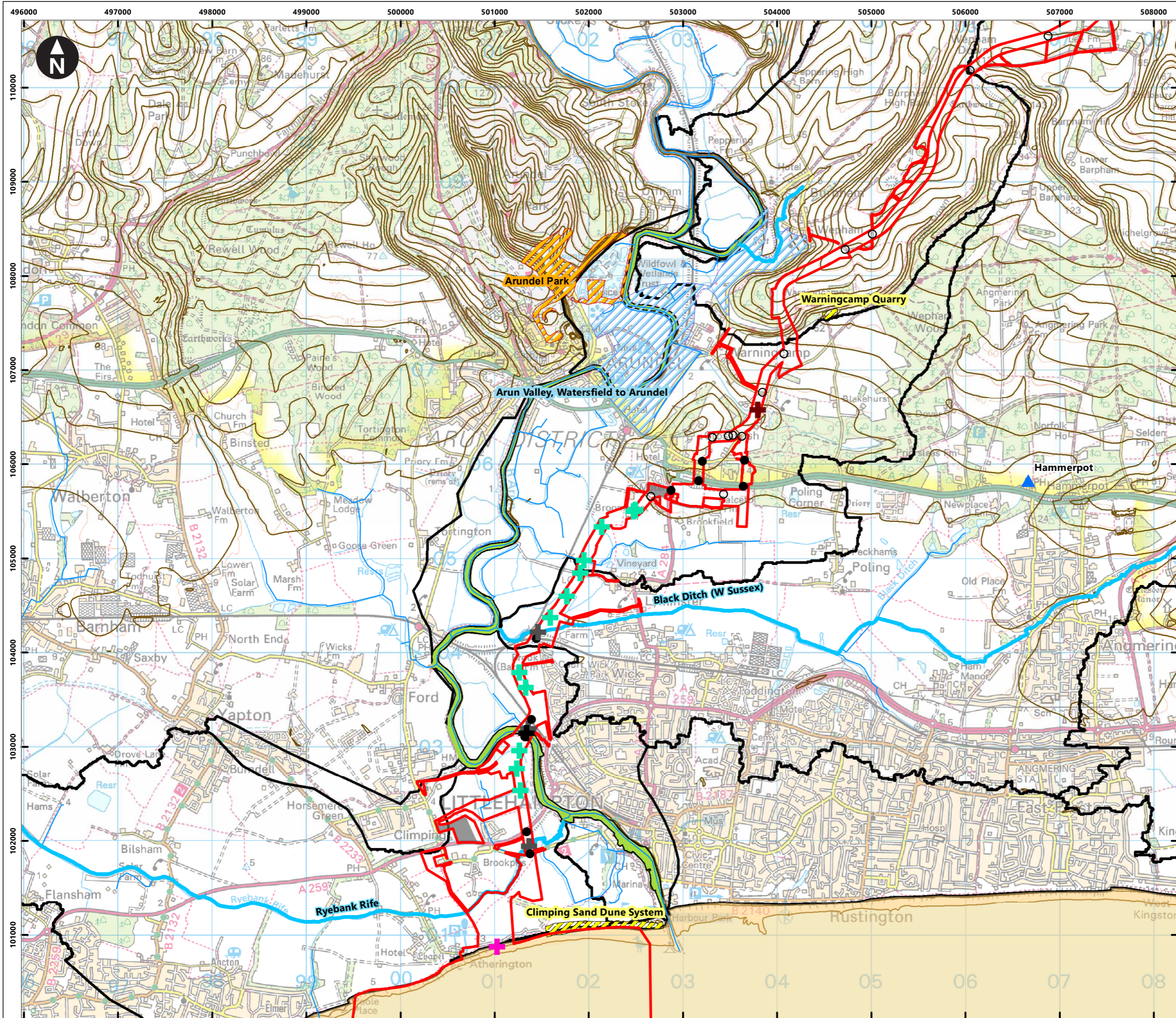


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Rampion Extension Development
Rampion 2
WIND FARM

Rampion 2 Offshore Wind Farm
Figure 27.2a Surface water catchments, including WFD water bodies and water dependent designated conservation sites
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System Identifier: 42285-WOOD-PE-ON-FG-OY-1951				Version: 1.0
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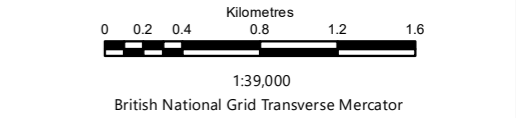
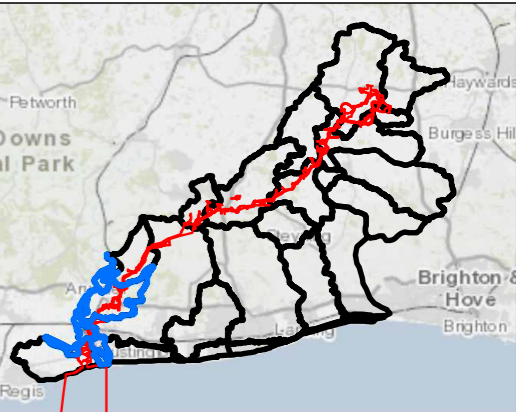
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- Temporary construction compounds
- Catchments
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- Open cut, watercourse
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- Springs
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Water Framework Directive (WFD) water bodies considered within the Water environment chapter

- WFD transitional water bodies
- WFD coastal water body
- WFD river water bodies

Potentially water dependent conservation sites or geological features of interest

- Local geological sites
- Sites of special scientific interest
- Local nature reserves
- Local wildlife sites



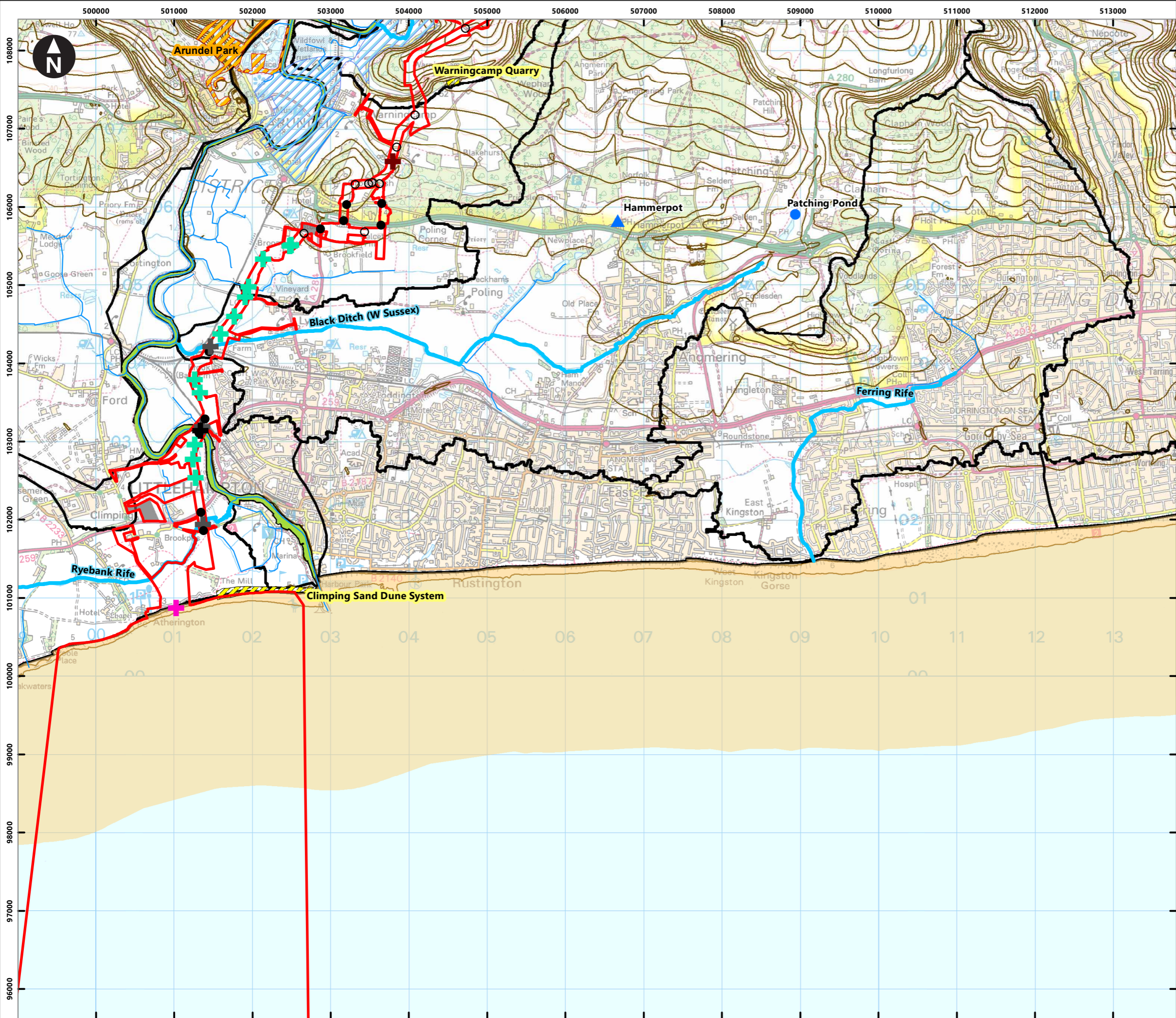
Rampion Extension Development

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Figure 27.2b Surface water catchments, including WFD water bodies and water dependent designated conservation sites

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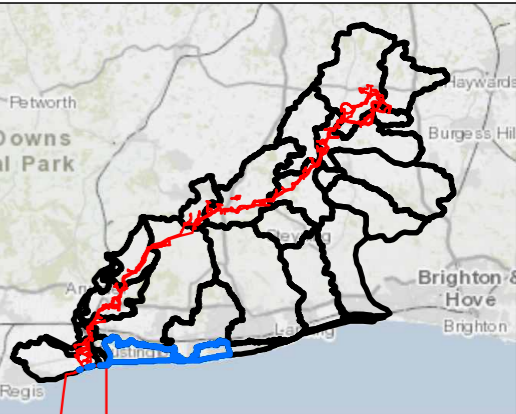
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- Temporary construction compounds
- Catchments
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- Trenchless, track
- Trenchless, watercourse
- Trenchless, landfall
- Springs
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- Contours

Water Framework Directive (WFD) water bodies considered within the Water environment chapter

- WFD transitional water bodies
- WFD coastal water body
- WFD river water bodies

Potentially water dependent conservation sites or geological features of interest

- Local geological sites
- Sites of special scientific interest
- Local nature reserves
- Local wildlife sites



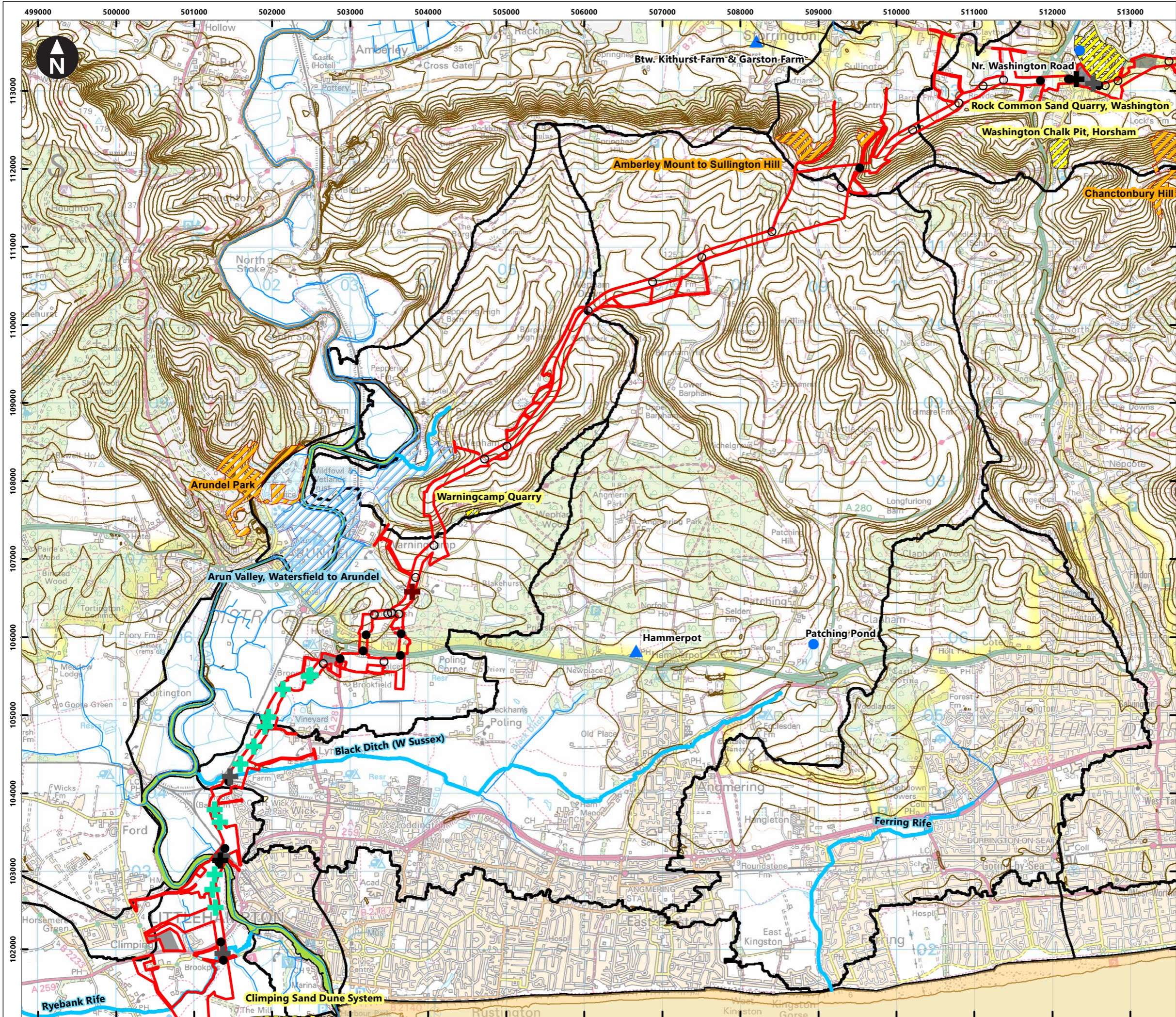
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Rampion Extension Development


Rampion 2 Offshore Wind Farm
Figure 27.2c Surface water catchments, including WFD water bodies and water dependent designated conservation sites
Preliminary Environmental Information Report

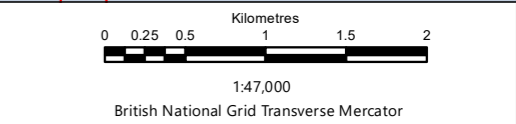
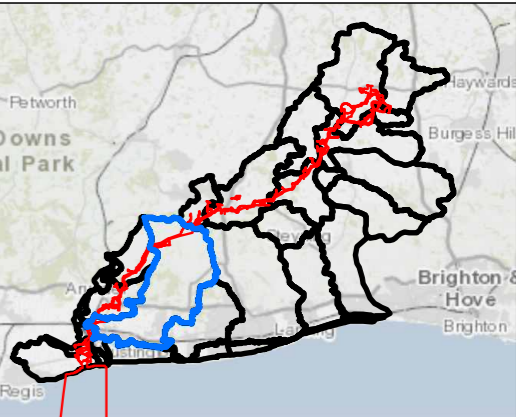
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- Key**
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 - Onshore substation search areas
 - Temporary construction compounds
 - Catchments
 - Open cut, road
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 - WFD river water bodies
- Potentially water dependent conservation sites or geological features of interest**
- Local geological sites
 - Sites of special scientific interest
 - Local nature reserves
 - Local wildlife sites



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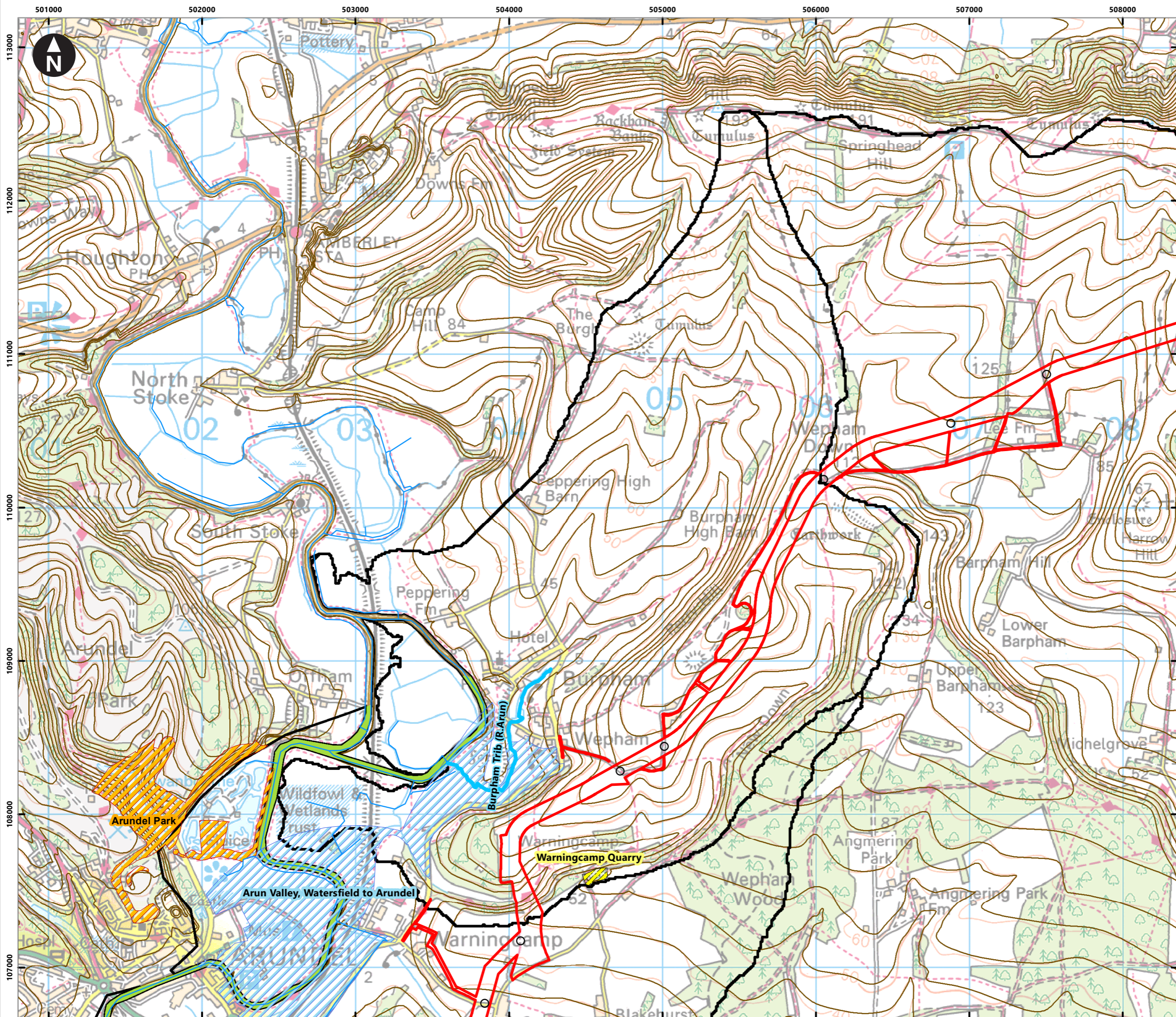
Rampion 2
WIND FARM

Rampion 2 Offshore Wind Farm

Figure 27.2d Surface water catchments, including WFD water bodies and water dependent designated conservation sites

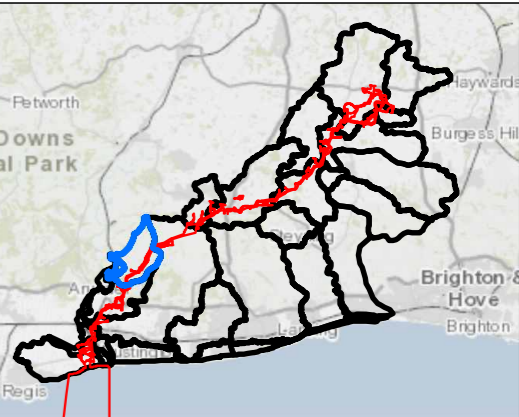
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Status:		Final	



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 - WFD coastal water body
 - WFD river water bodies
- Potentially water dependent conservation sites or geological features of interest**
- Local geological sites
 - Sites of special scientific interest
 - Local nature reserves
 - Local wildlife sites

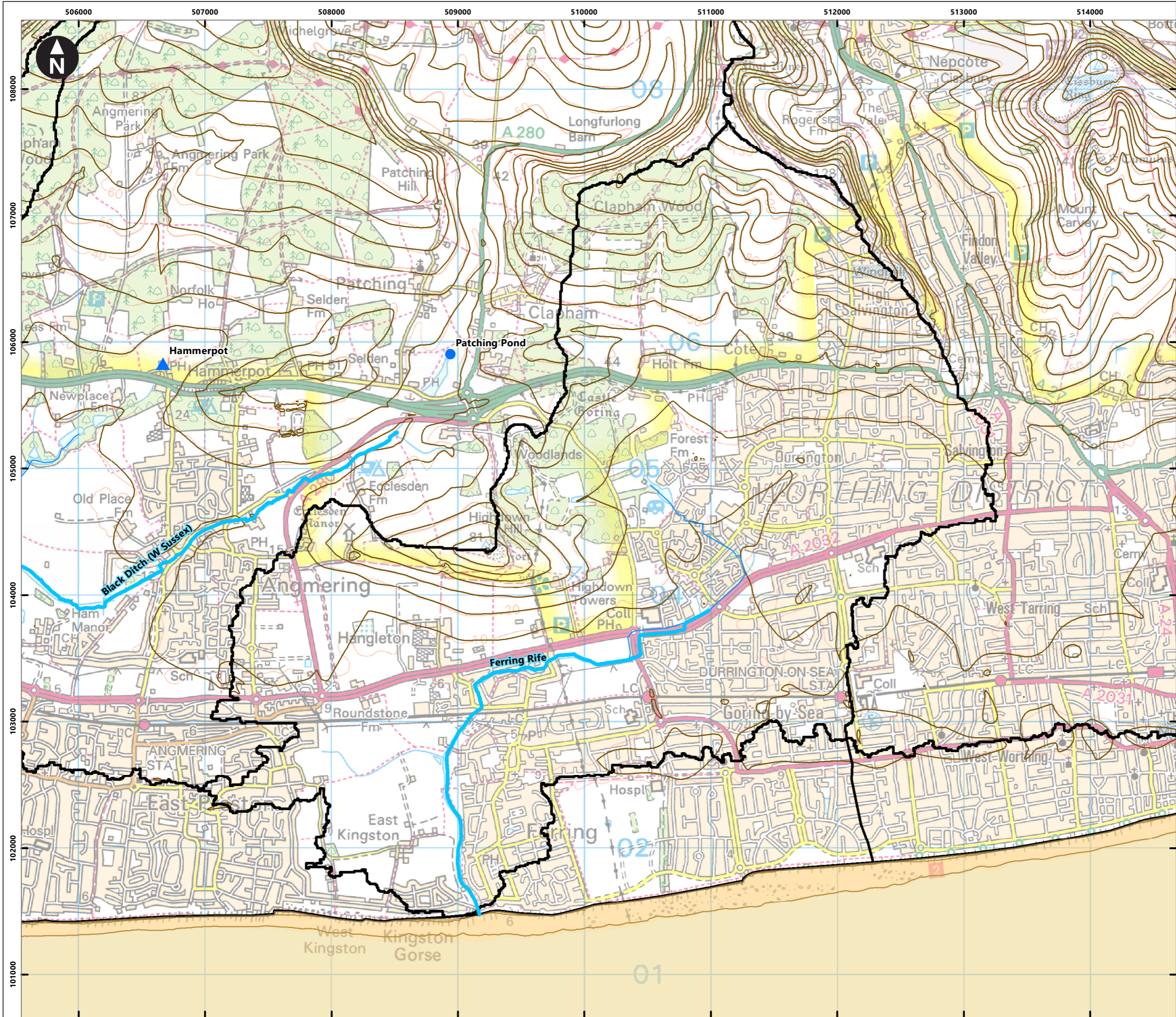


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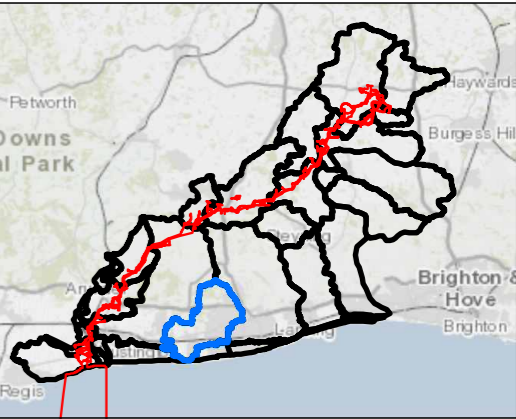
Rampion 2 Offshore Wind Farm
Figure 27.2e Surface water catchments, including WFD water bodies and water dependent designated conservation sites
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 - Trenchless, track
 - Trenchless, watercourse
 - Trenchless, landfall
 - Springs
 - Ponds
 - Rivers
 - Contours
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 - WFD coastal water body
 - WFD river water bodies
- Potentially water dependent conservation sites or geological features of interest**
- Local geological sites
 - Sites of special scientific interest
 - Local nature reserves
 - Local wildlife sites



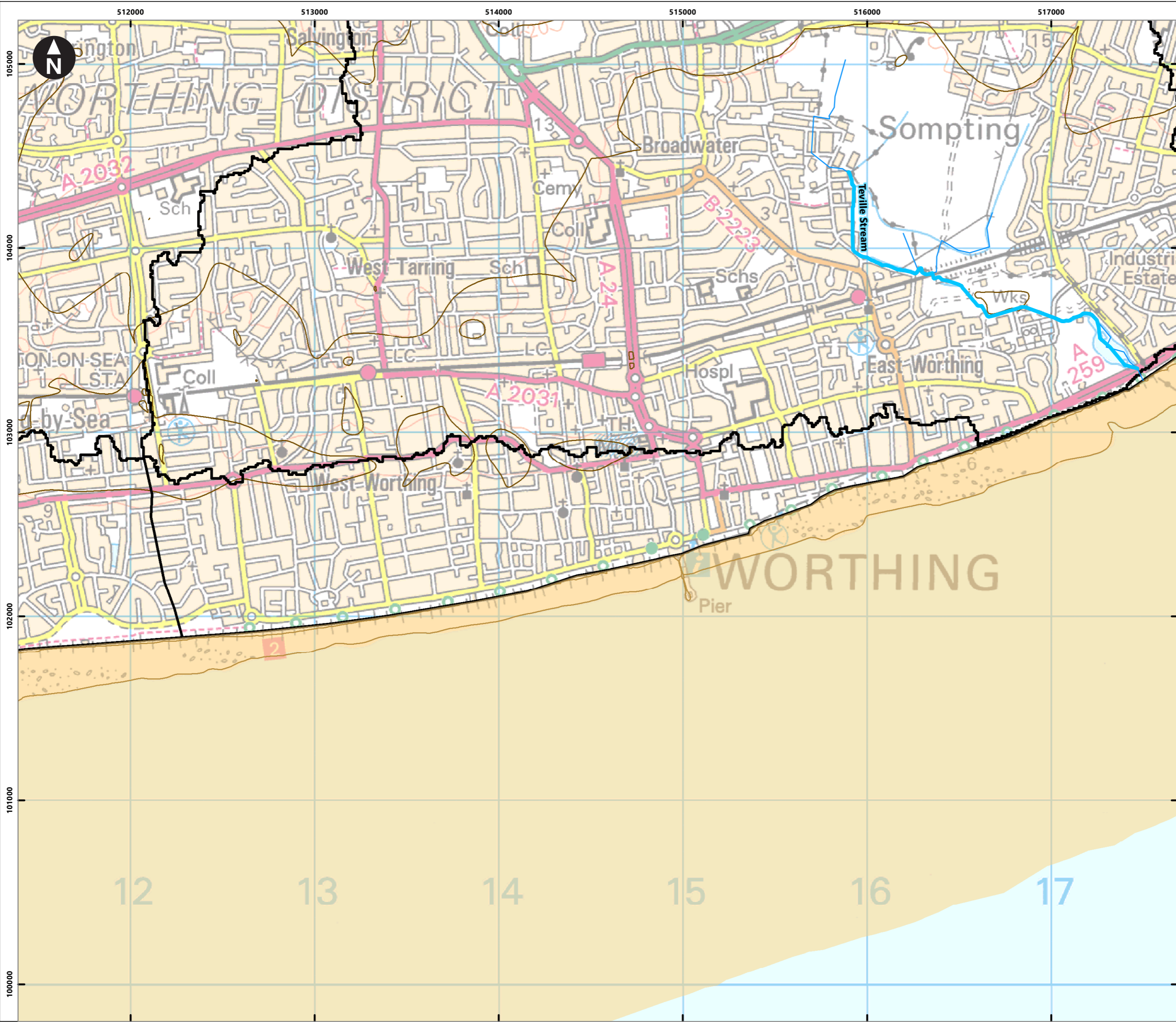
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Figure 27.2f Surface water catchments, including WFD water bodies and water dependent designated conservation sites
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Version: 1.0

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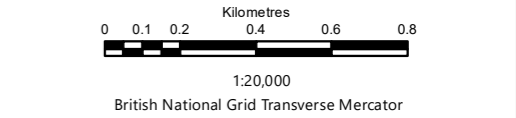
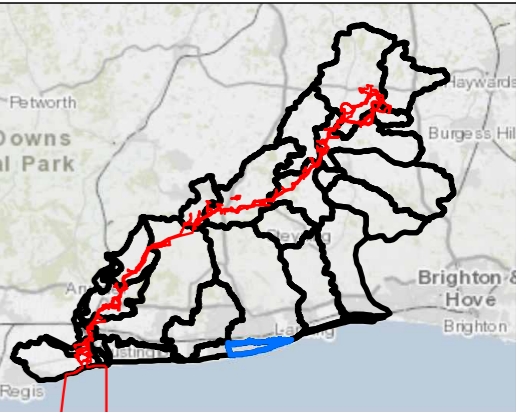
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- Trenchless, road
- Trenchless, surface drain
- Trenchless, track
- Trenchless, watercourse
- Trenchless, landfall
- Springs
- Ponds
- Rivers
- Contours

Water Framework Directive (WFD) water bodies considered within the Water environment chapter

- WFD transitional water bodies
- WFD coastal water body
- WFD river water bodies

Potentially water dependent conservation sites or geological features of interest

- Local geological sites
- Sites of special scientific interest
- Local nature reserves
- Local wildlife sites



Rampion Extension Development

Rampion 2 Offshore Wind Farm

Figure 27.2g Surface water catchments, including WFD water bodies and water dependent designated conservation sites

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Key

PEIR Assessment Boundary

Onshore substation search areas

Temporary construction compounds

Catchments

Open cut, road

Open cut, surface drain

Open cut, track

Open cut, watercourse

Trenchless, rail

Trenchless, road

Trenchless, surface drain

Trenchless, track

Trenchless, watercourse

Trenchless, landfall

Springs

Ponds

Rivers

Contours

Water Framework Directive (WFD) water bodies considered within the Water environment chapter

WFD transitional water bodies

WFD coastal water body

WFD river water bodies

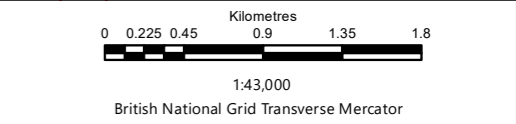
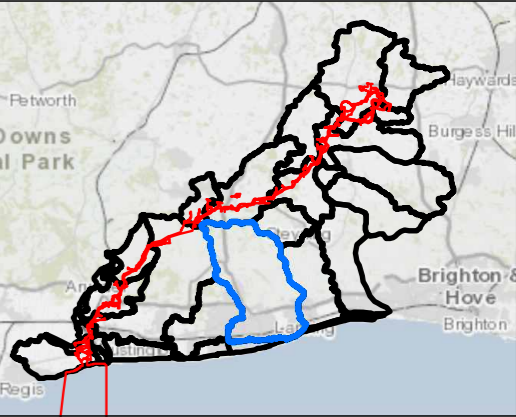
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Local geological sites

Sites of special scientific interest

Local nature reserves

Local wildlife sites



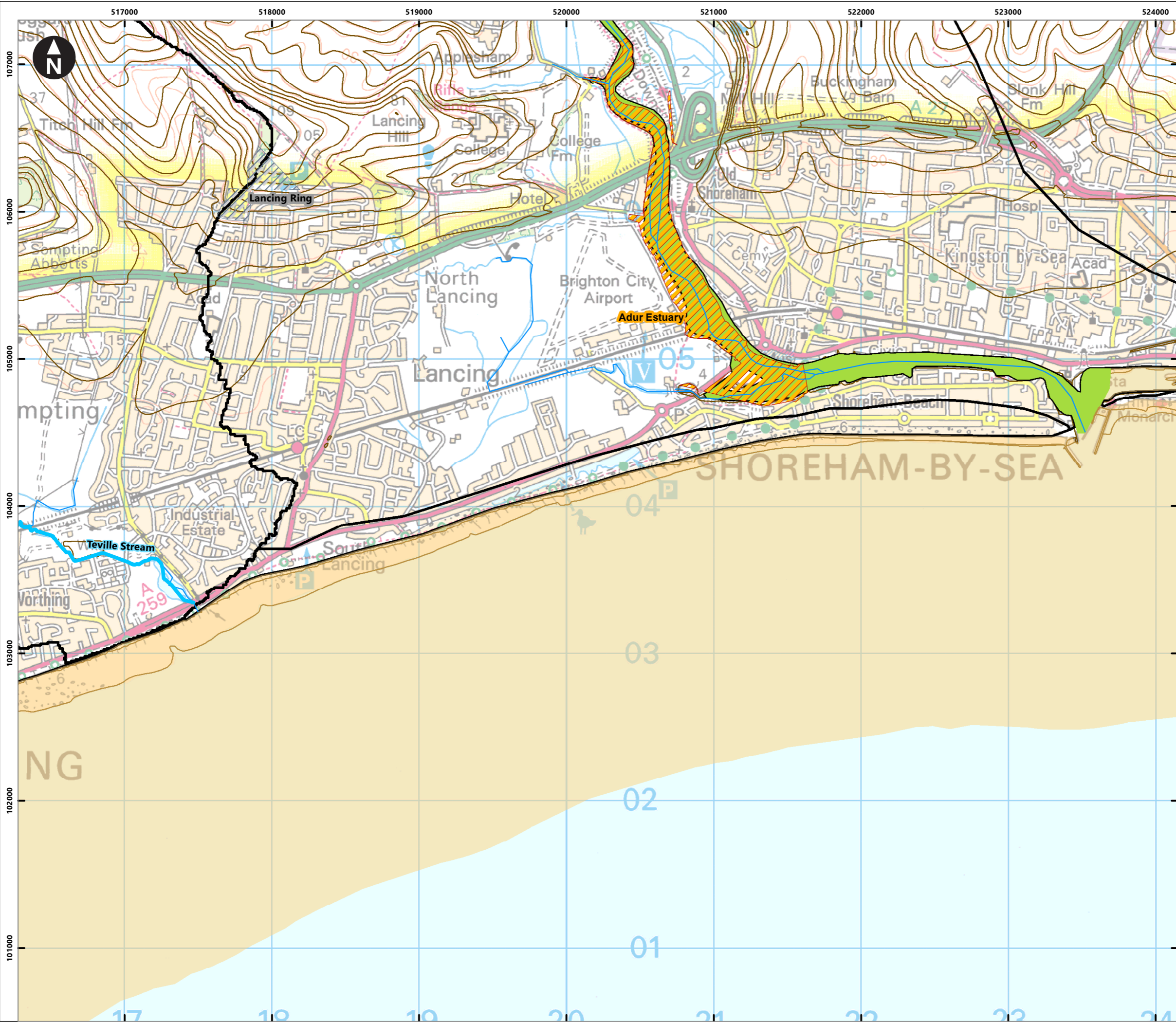
Rampion Extension Development

Rampion 2 Offshore Wind Farm

Figure 27.2h Surface water catchments, including WFD water bodies and water dependent designated conservation sites

Preliminary Environmental Information Report

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Wood	BARNB	DOUGG	21/06/2021	Final



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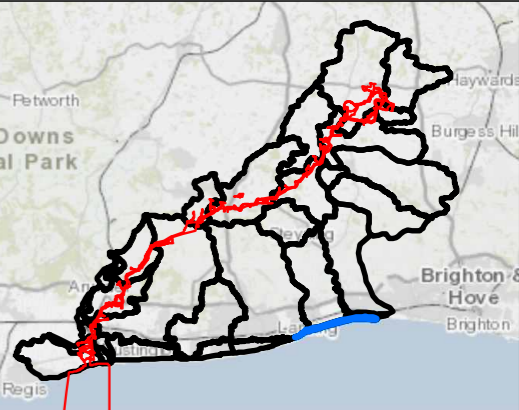
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- Onshore substation search areas
- Temporary construction compounds
- Catchments
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- Open cut, track
- Open cut, watercourse
- Trenchless, rail
- Trenchless, road
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- Trenchless, track
- Trenchless, watercourse
- Trenchless, landfall
- Springs
- Ponds
- Rivers
- Contours

Water Framework Directive (WFD) water bodies considered within the Water environment chapter

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- WFD coastal water body
- WFD river water bodies

Potentially water dependent conservation sites or geological features of interest

- Local geological sites
- Sites of special scientific interest
- Local nature reserves
- Local wildlife sites



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British National Grid Transverse Mercator

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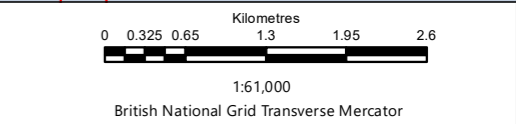
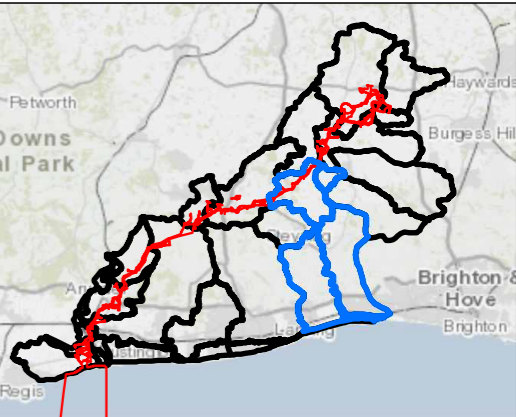

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Figure 27.2i Surface water catchments, including WFD water bodies and water dependent designated conservation sites
Preliminary Environmental Information Report

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- PEIR Assessment Boundary
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 - Open cut, road
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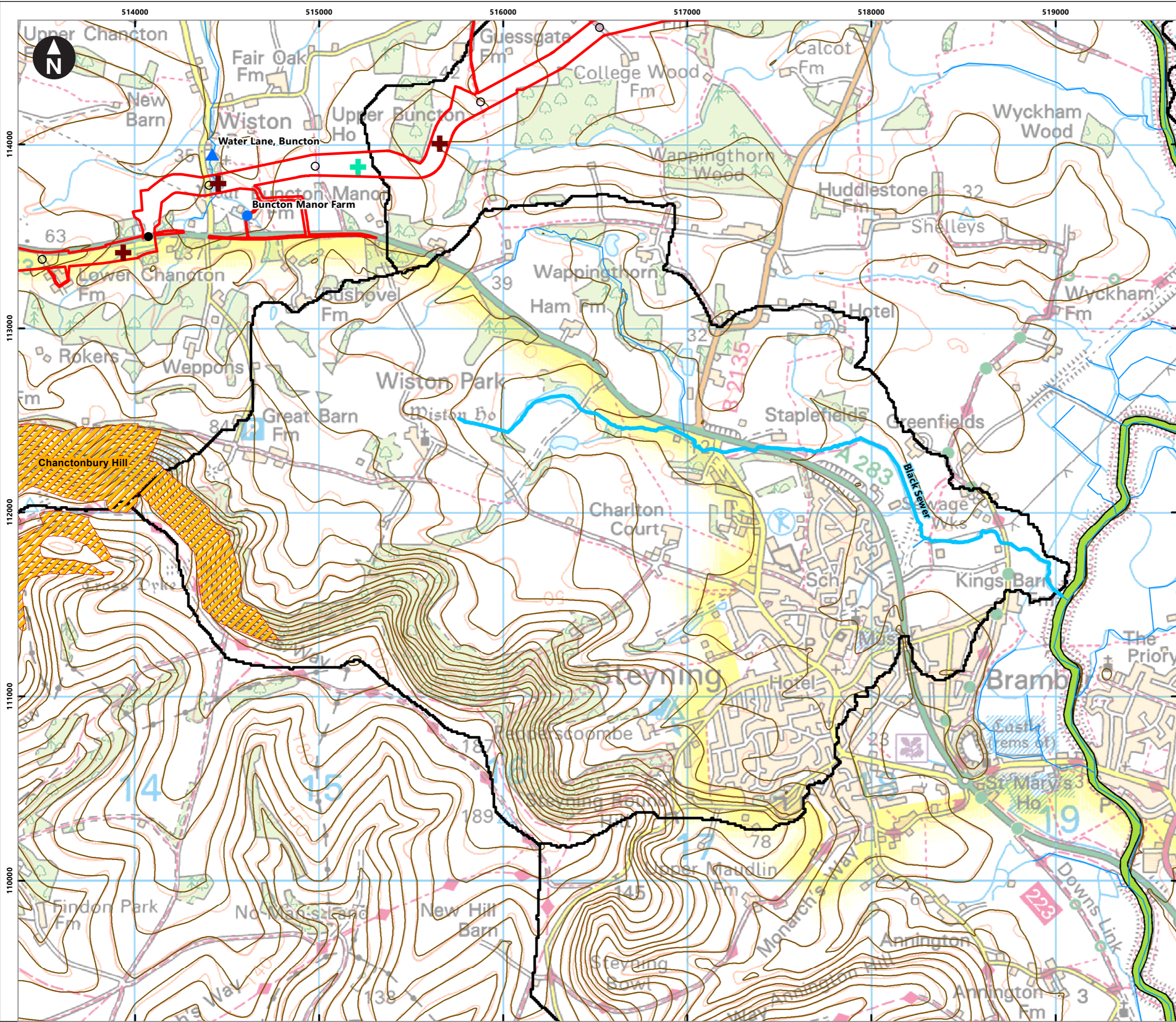
Rampion 2
WIND FARM

Rampion 2 Offshore Wind Farm

Figure 27.2j Surface water catchments, including WFD water bodies and water dependent designated conservation sites

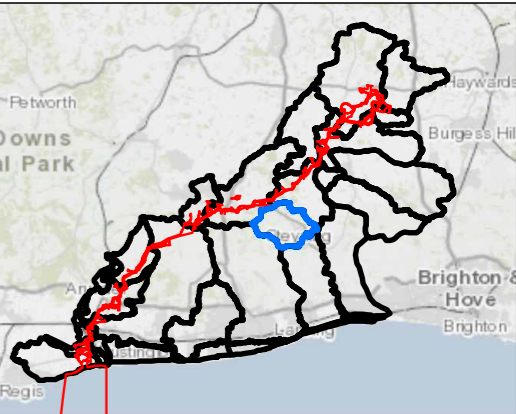
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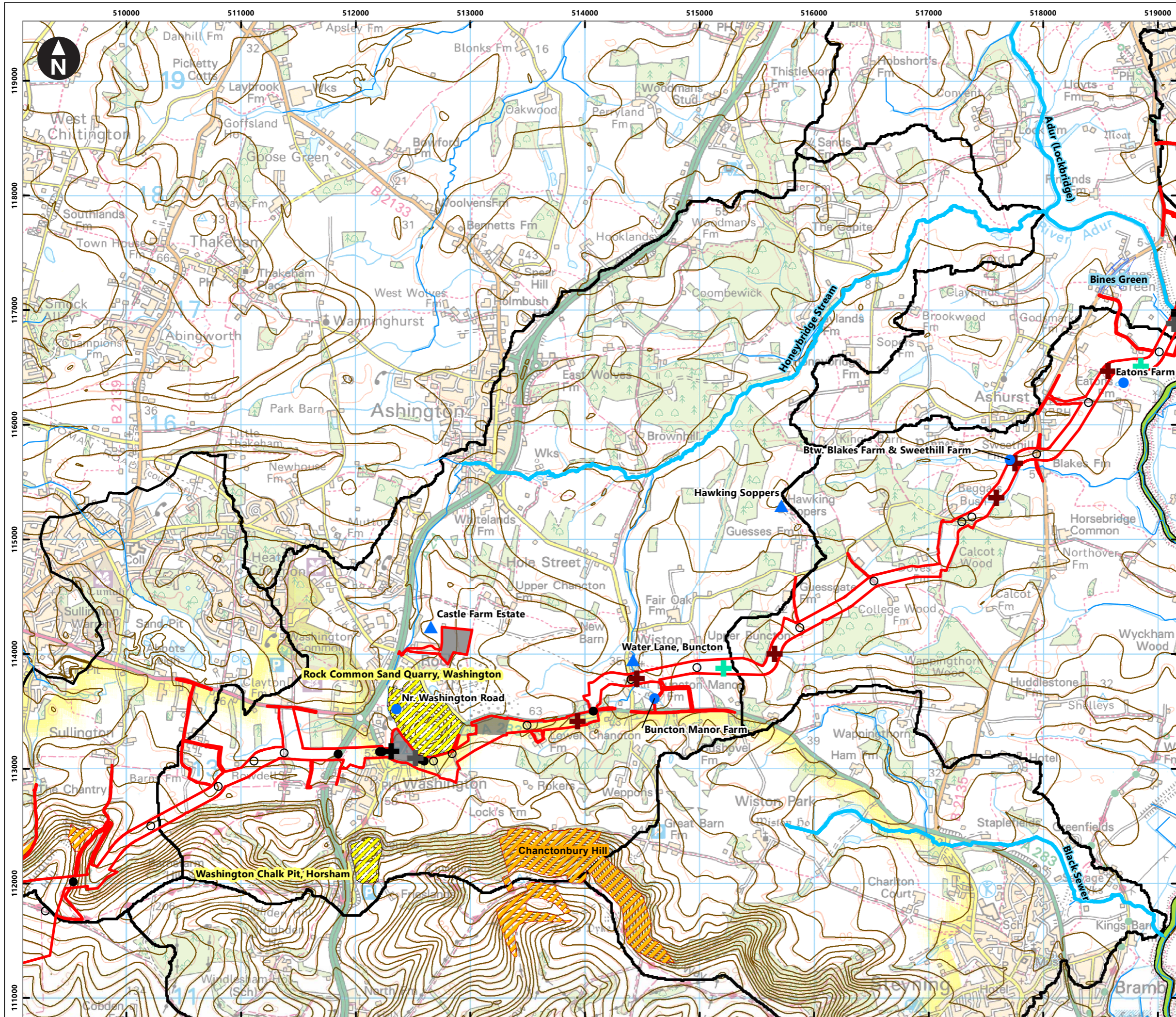


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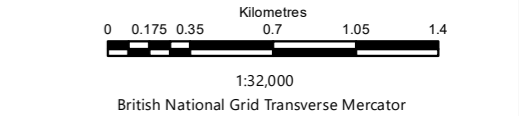
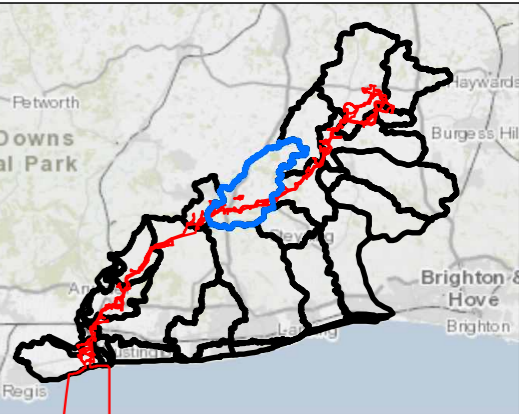
Rampion 2 Offshore Wind Farm
Figure 27.2k Surface water catchments, including WFD water bodies and water dependent designated conservation sites
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 - Sites of special scientific interest
 - Local nature reserves
 - Local wildlife sites

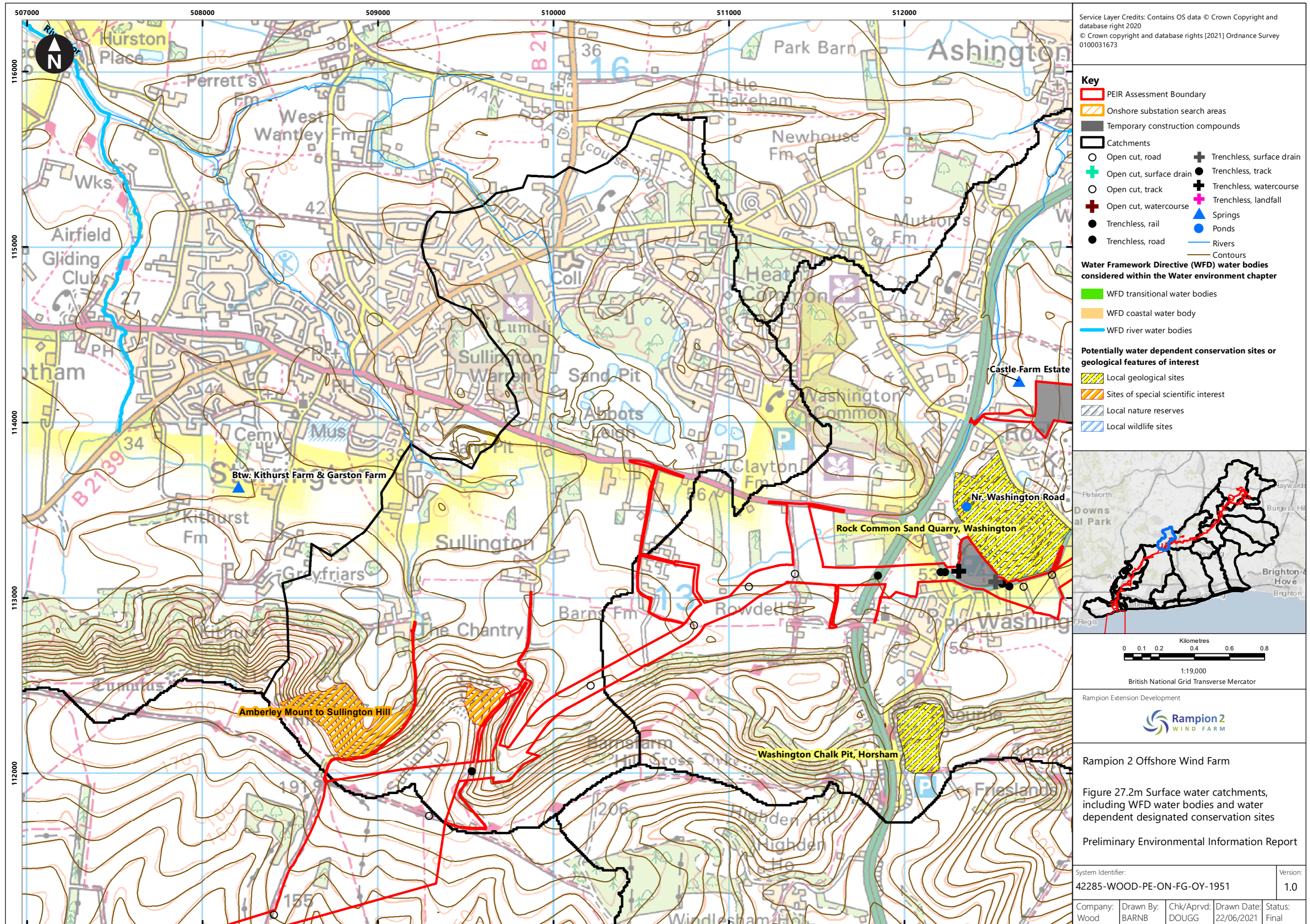


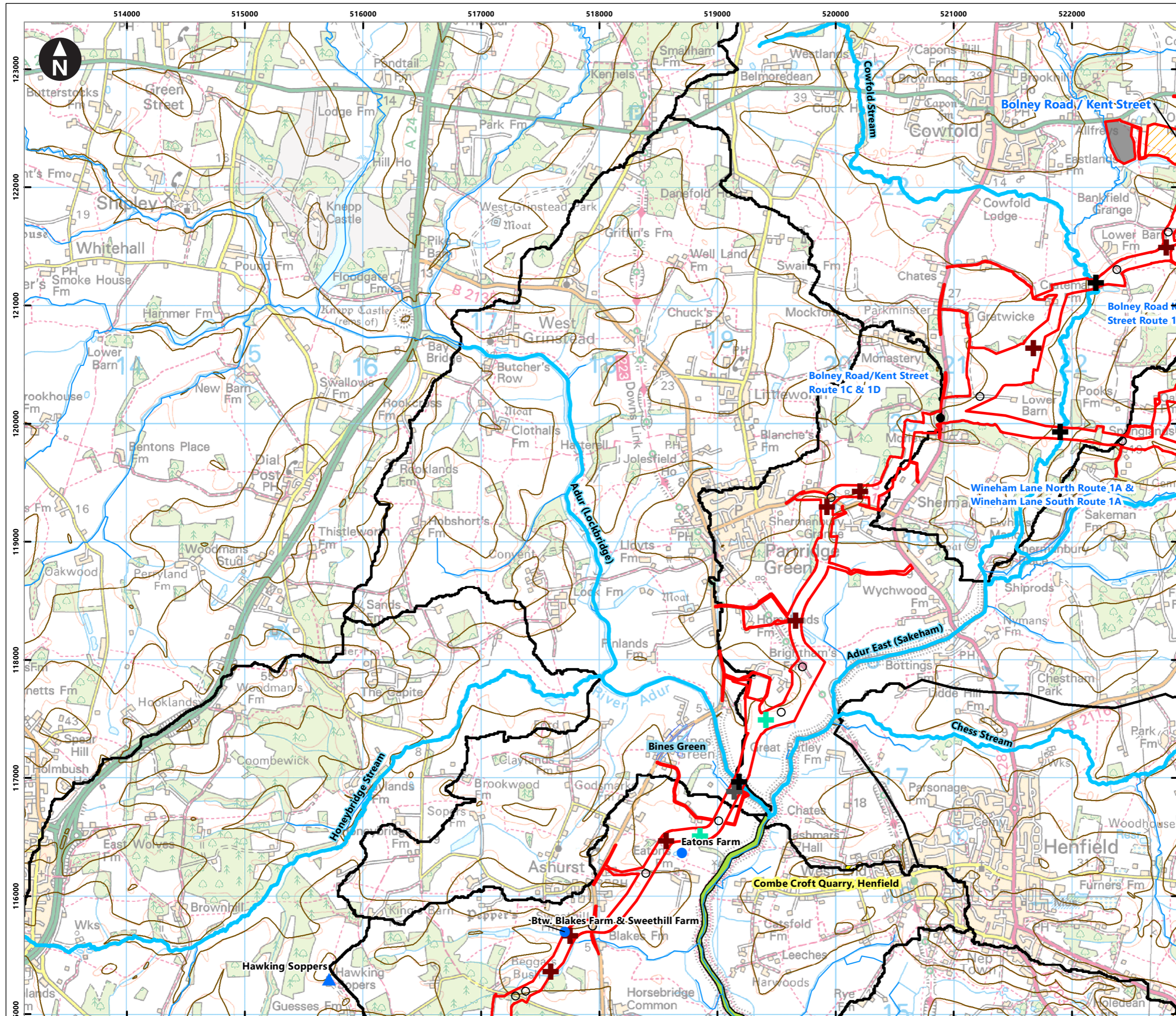
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Figure 27.2l Surface water catchments, including WFD water bodies and water dependent designated conservation sites

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Key

PEIR Assessment Boundary	Trenchless, surface drain
Onshore substation search areas	Trenchless, track
Temporary construction compounds	Trenchless, watercourse
Catchments	Trenchless, landfall
Open cut, road	Springs
Open cut, surface drain	Ponds
Open cut, track	Rivers
Open cut, watercourse	Contours
Trenchless, rail	
Trenchless, road	

Water Framework Directive (WFD) water bodies considered within the Water environment chapter

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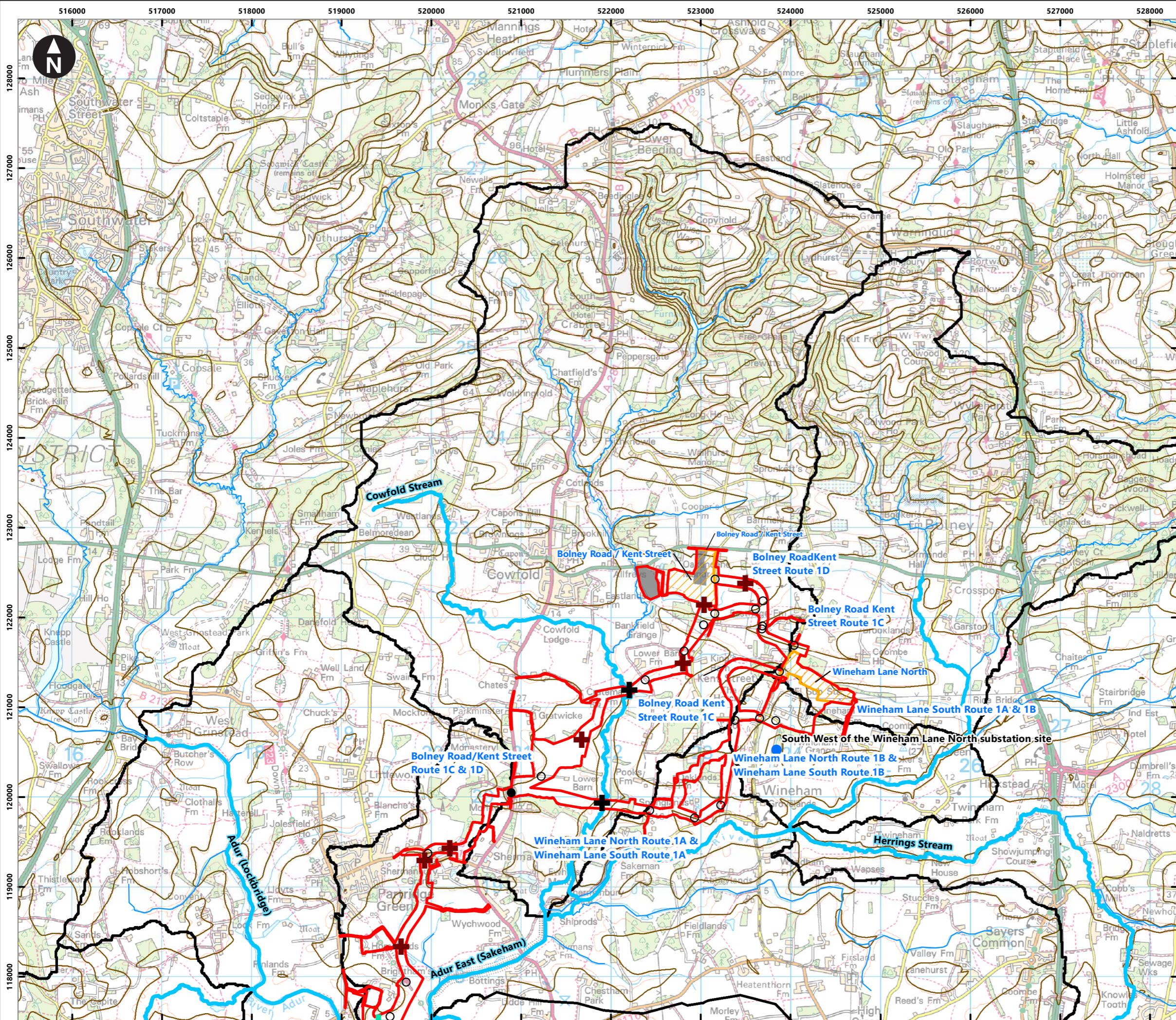
Rampion Extension Development

Rampion 2 Offshore Wind Farm

Figure 27.2n Surface water catchments, including WFD water bodies and water dependent designated conservation sites

Preliminary Environmental Information Report

System Identifier: 42285-WOOD-PE-ON-FG-OY-1951		Version: 1.0
Company: Wood	Drawn By: BARNB	Chk/Prvrd: DOUGG
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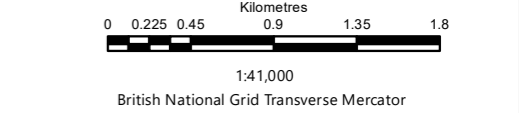
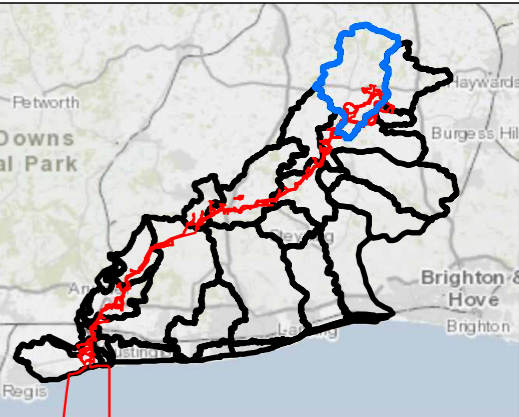
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- Onshore substation search areas
- Temporary construction compounds
- Catchments
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- Open cut, surface drain
- Open cut, track
- Open cut, watercourse
- Trenchless, rail
- Trenchless, road
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- Trenchless, track
- Trenchless, watercourse
- Trenchless, landfall
- Springs
- Ponds
- Rivers
- Contours

Water Framework Directive (WFD) water bodies considered within the Water environment chapter

- WFD transitional water bodies
- WFD coastal water body
- WFD river water bodies

Potentially water dependent conservation sites or geological features of interest

- Local geological sites
- Sites of special scientific interest
- Local nature reserves
- Local wildlife sites

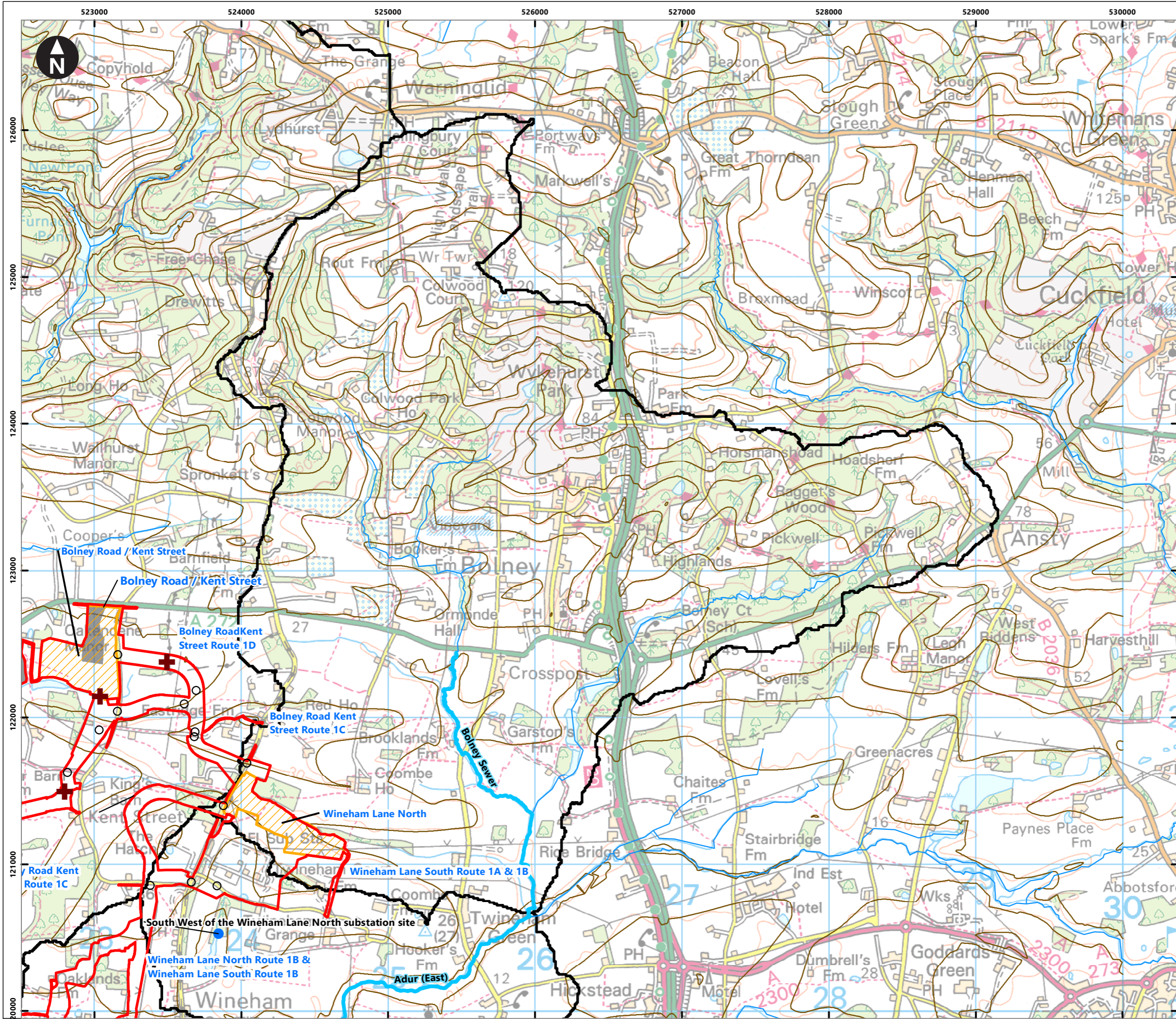


Rampion 2 Offshore Wind Farm

Figure 27.2o Surface water catchments, including WFD water bodies and water dependent designated conservation sites

Preliminary Environmental Information Report

System Identifier:				Version:
42285-WOOD-PE-ON-FG-OY-1951				1.0
Company:	Drawn By:	Chk/Prvrd:	Drawn Date:	Status:
Wood	BARNB	DOUGG	22/06/2021	Final



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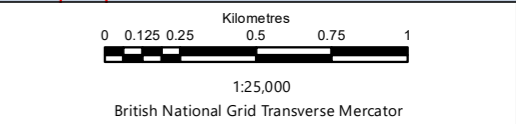
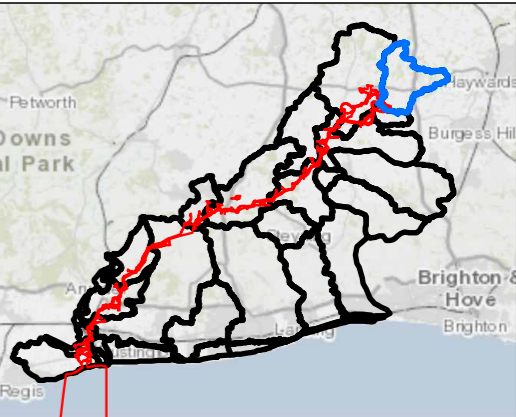
- PEIR Assessment Boundary
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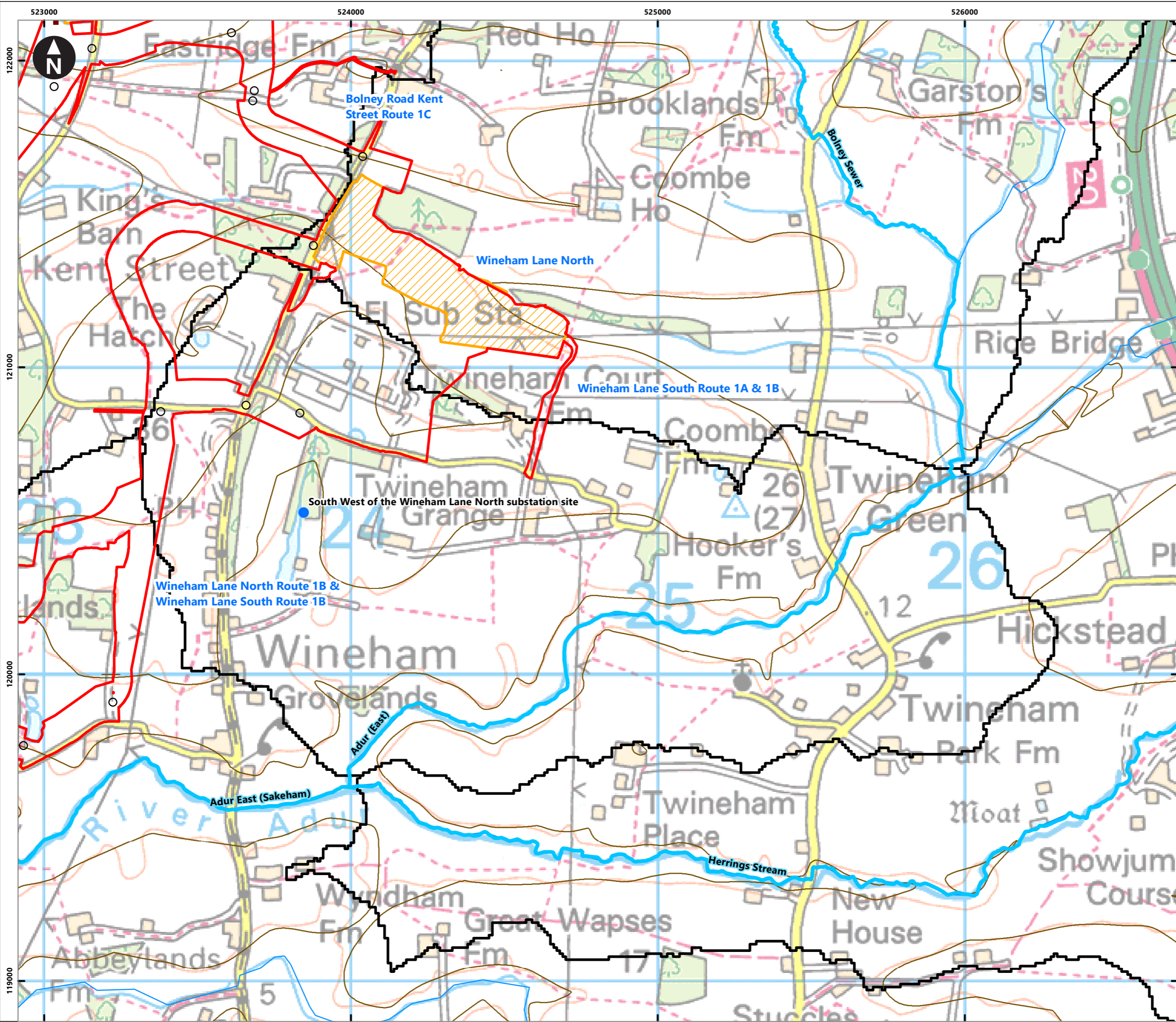
Rampion Extension Development

Rampion 2 Offshore Wind Farm

Figure 27.2p Surface water catchments, including WFD water bodies and water dependent designated conservation sites

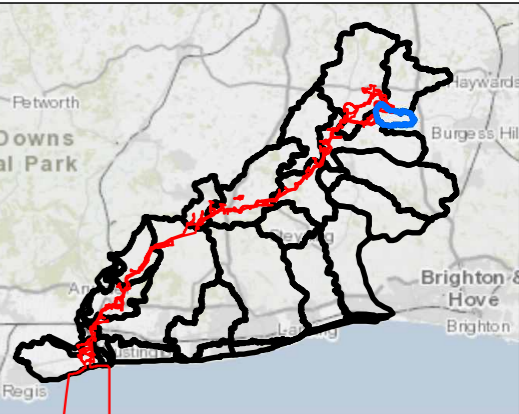
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- Key**
- PEIR Assessment Boundary
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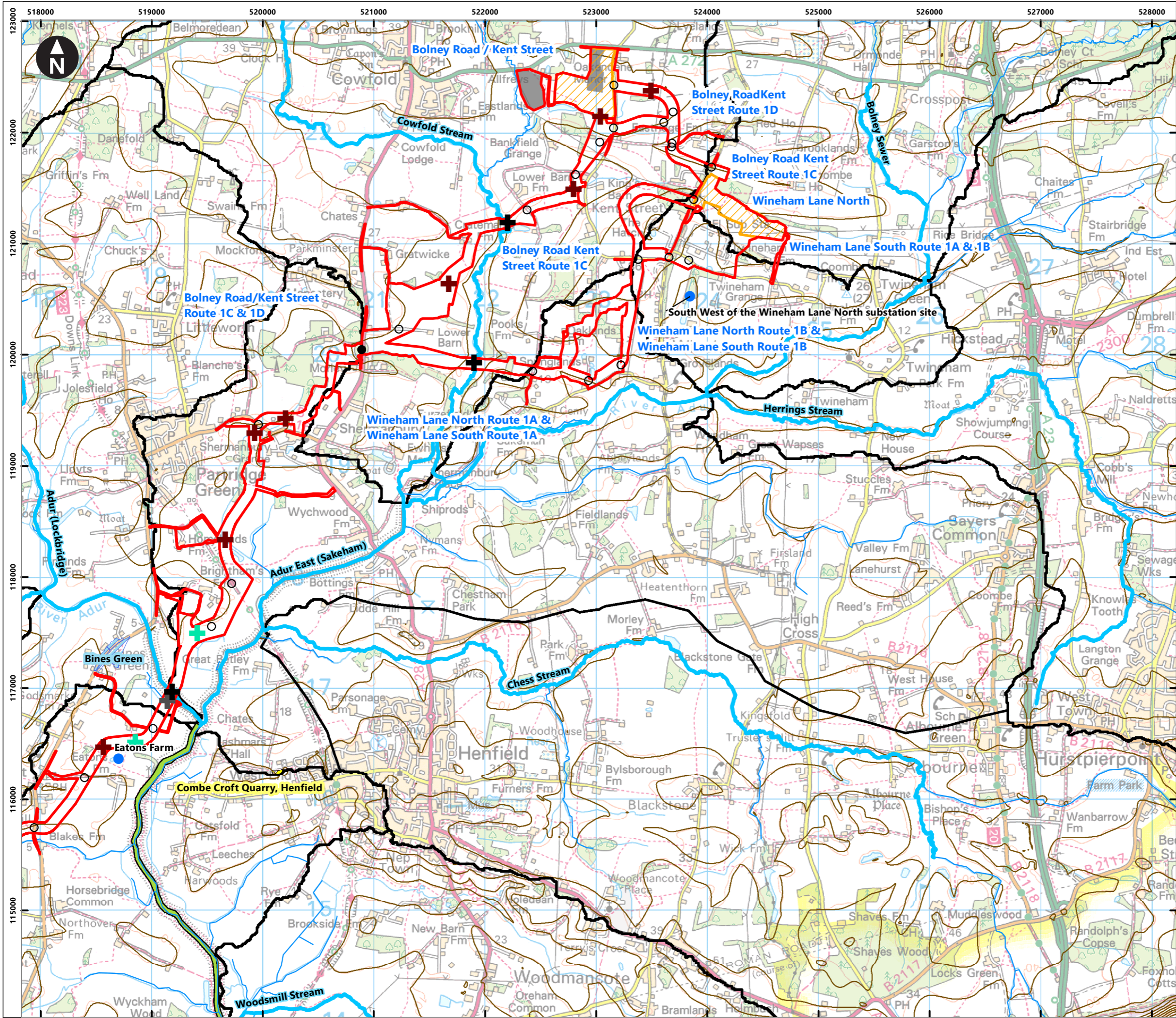


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Kilometres
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British National Grid Transverse Mercator

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Rampion 2 Offshore Wind Farm
Figure 27.2q Surface water catchments, including WFD water bodies and water dependent designated conservation sites
Preliminary Environmental Information Report

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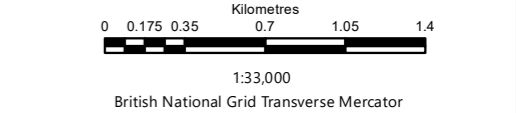
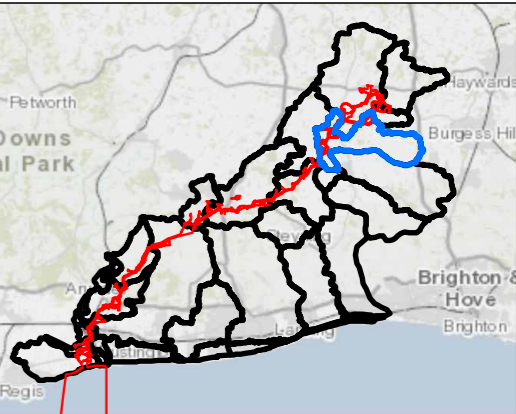
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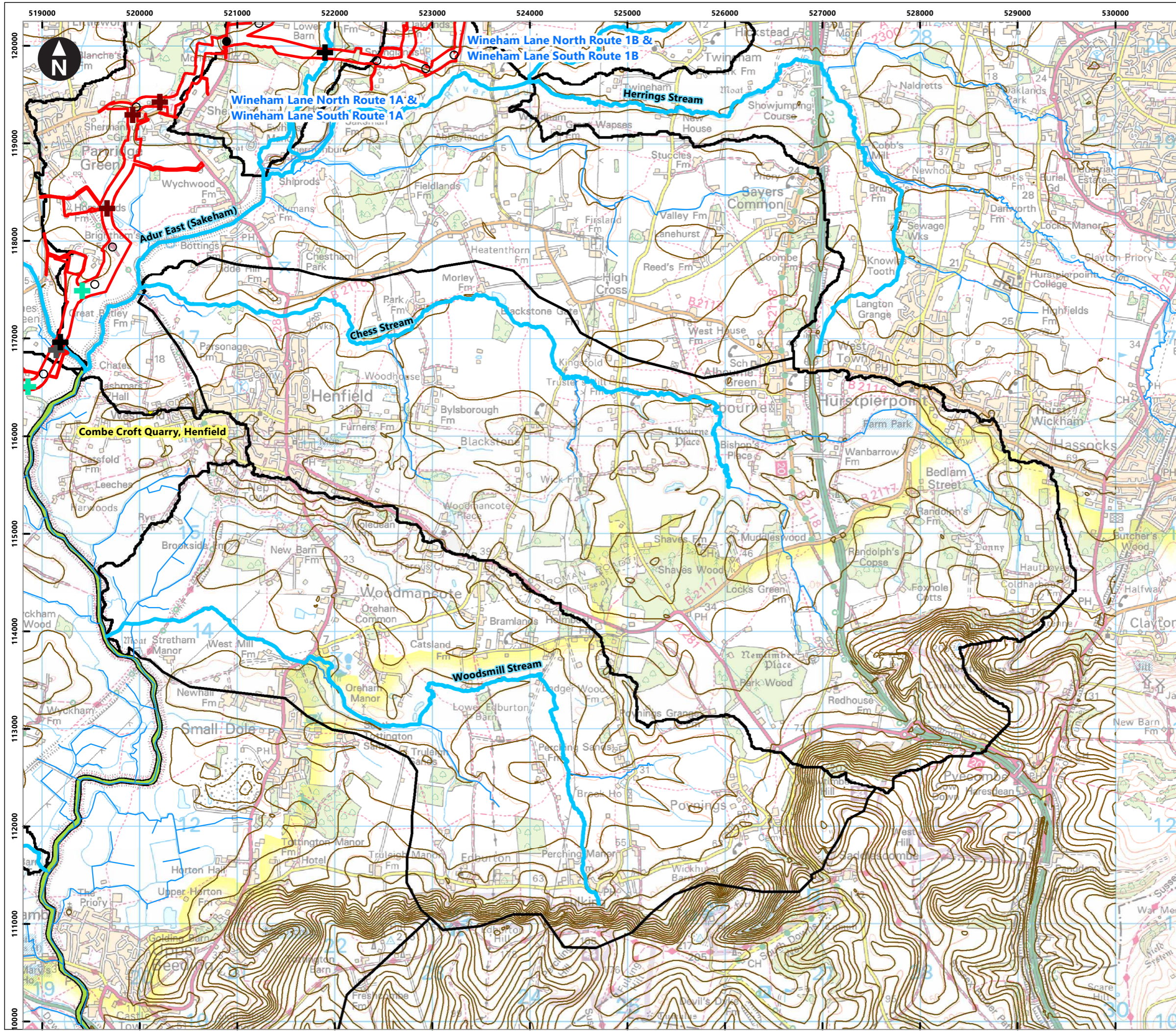
Rampion Extension Development

Rampion 2 Offshore Wind Farm

Figure 27.2r Surface water catchments, including WFD water bodies and water dependent designated conservation sites

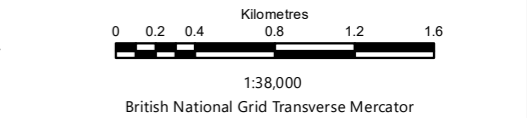
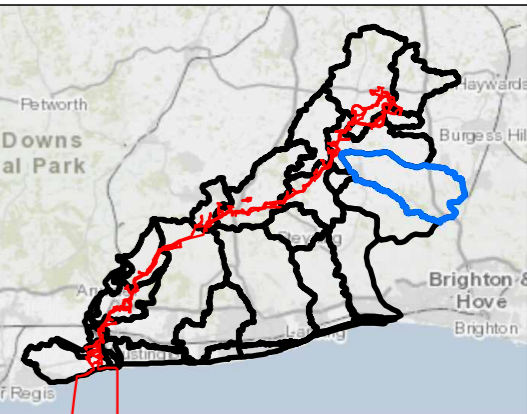
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 - Local nature reserves
 - Local wildlife sites



Rampion Extension Development

Rampion 2
WIND FARM

Rampion 2 Offshore Wind Farm

Figure 27.2s Surface water catchments, including WFD water bodies and water dependent designated conservation sites

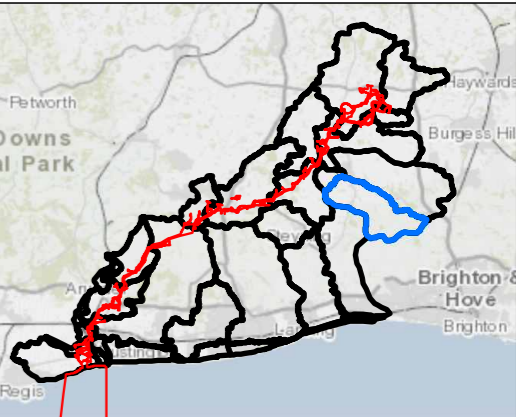
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System Identifier: 42285-WOOD-PE-ON-FG-OY-1951				Version: 1.0
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 - WFD river water bodies
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 - Local nature reserves
 - Local wildlife sites



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British National Grid Transverse Mercator

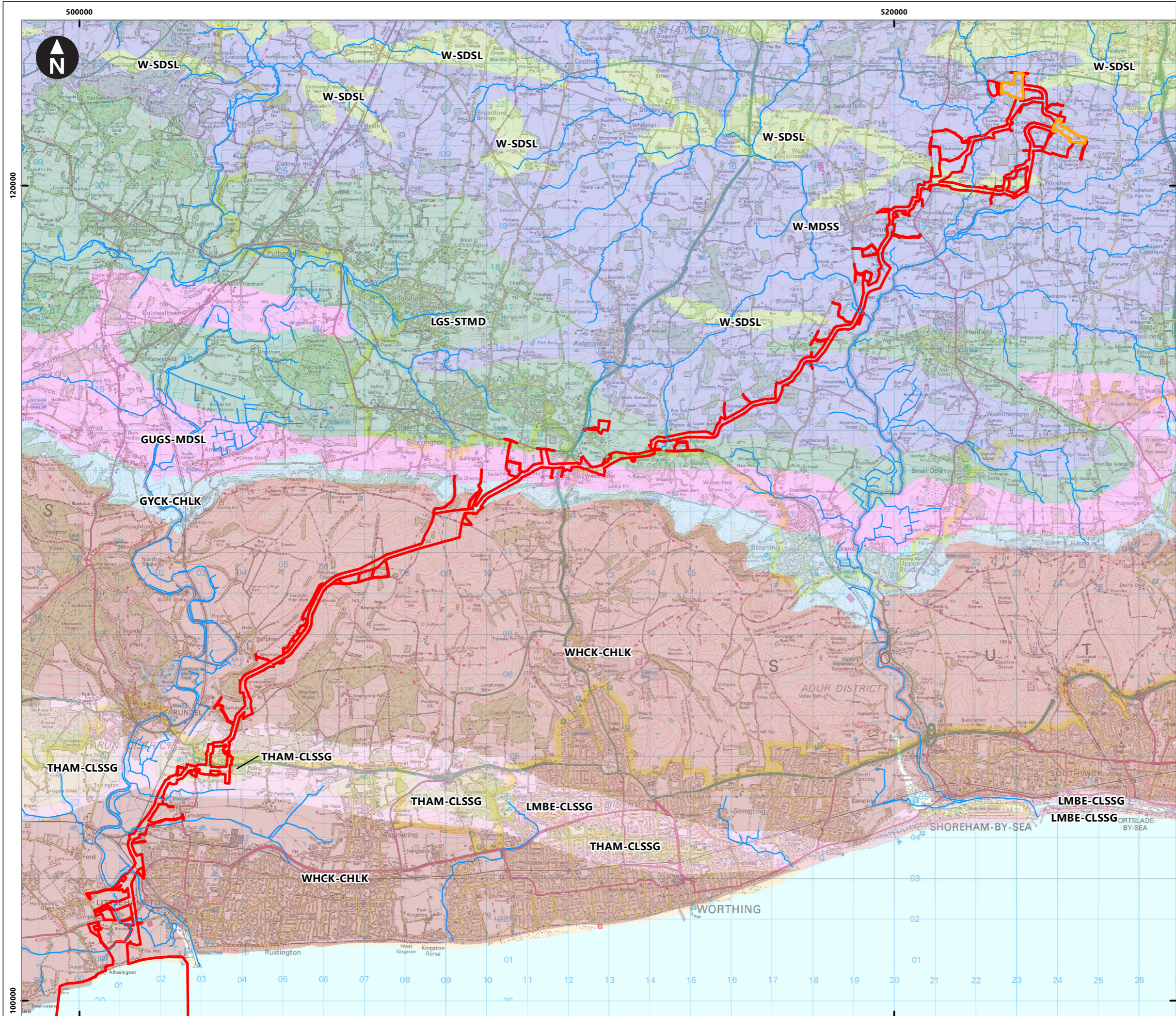
Rampion Extension Development
Rampion 2
WIND FARM

Rampion 2 Offshore Wind Farm

Figure 27.2t Surface water catchments, including WFD water bodies and water dependent designated conservation sites

Preliminary Environmental Information Report

System Identifier: 42285-WOOD-PE-ON-FG-OY-1951				Version: 1.0
Company: Wood	Drawn By: BARNB	Chk/Prvrd: DOUGG	Drawn Date: 22/06/2021	Status: Final



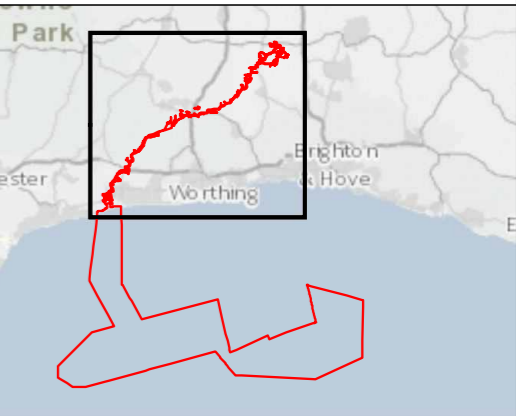
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Key

- PEIR Assessment Boundary
- Onshore substation search areas
- Rivers

Bedrock geology

- GUGS-MDSL Gault formation and Upper Greensand Formation (undifferentiated) - Mudstone, sandstone and limestone
- GYCK-CHLK Grey Chalk Subgroup- Chalk
- LGS-STMD Lower Greensand Group - Sandstone and mudstone
- LMBE-CLSSG Lambeth Group - Clay, silt, sand and gravel
- THAM-CLSSG Thames Group - Clay, silt, sand and gravel
- W-MDSS Wealden Group - Mudstone, siltstone and sandstone
- W-SDSL Wealden Group - Sandstone and siltstone, interbedded
- WHCK-CHLK White Chalk Subgroup - Chalk



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Kilometres
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British National Grid Transverse Mercator

Rampion Extension Development



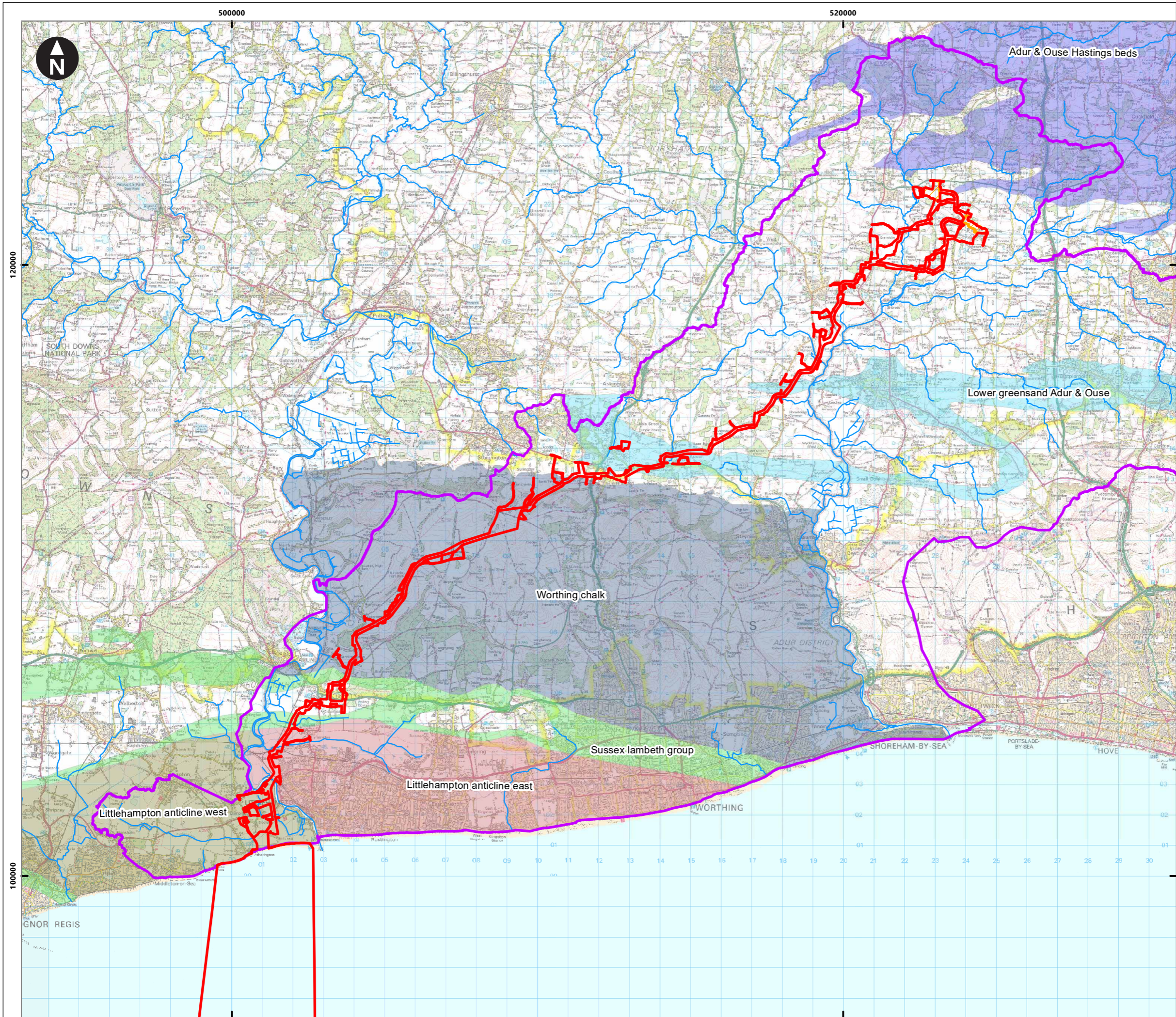
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Figure 27.3 Solid geology (1:625,000)

Preliminary Environmental Information Report

System Identifier: 42285-WOOD-PE-ON-FG-OY-8453
Version: 1.0

Company: Wood	Drawn By: BARNB	Chk/Prvrd: DOUGG	Drawn Date: 25/06/2021	Status: Final
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Key

- PEIR Assessment Boundary
- Onshore substation search areas
- Water environment study area
- Rivers

Groundwater bodies (Cycle 2)

- Adur and Ouse Hastings beds
- Littlehampton anticline east
- Littlehampton anticline west
- Lower greensand Adur & Ouse
- Sussex lambeth group
- Worthing chalk



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Kilometres
1:120,000
British National Grid Transverse Mercator

Rampion Extension Development



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Figure 27.5 Water environment study area and groundwater WFD bodies

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System Identifier: 42285-WOOD-PE-ON-FG-OY-7662				Version: 1.0
Company: Wood	Drawn By: BARNB	Chk/Aprvd: DOUGG	Drawn Date: 25/06/2021	Status: Final