

# Hampshire Water Transfer and Water Recycling Project Environmental Statement - Figure 13.4 Soils

VOLUME NUMBER: 6

PLANNING INSPECTORATE SCHEME NUMBER: WA010002

APPLICATION DOCUMENT REFERENCE: 6.3

APFP REGULATION: 5(2)(a)

May 2026

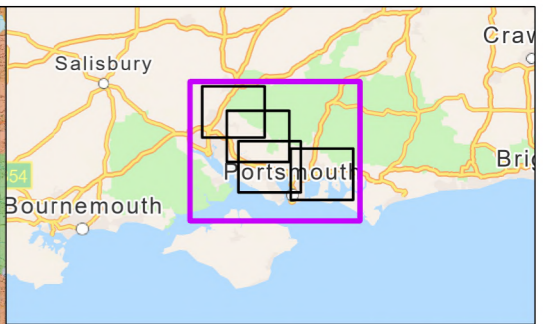
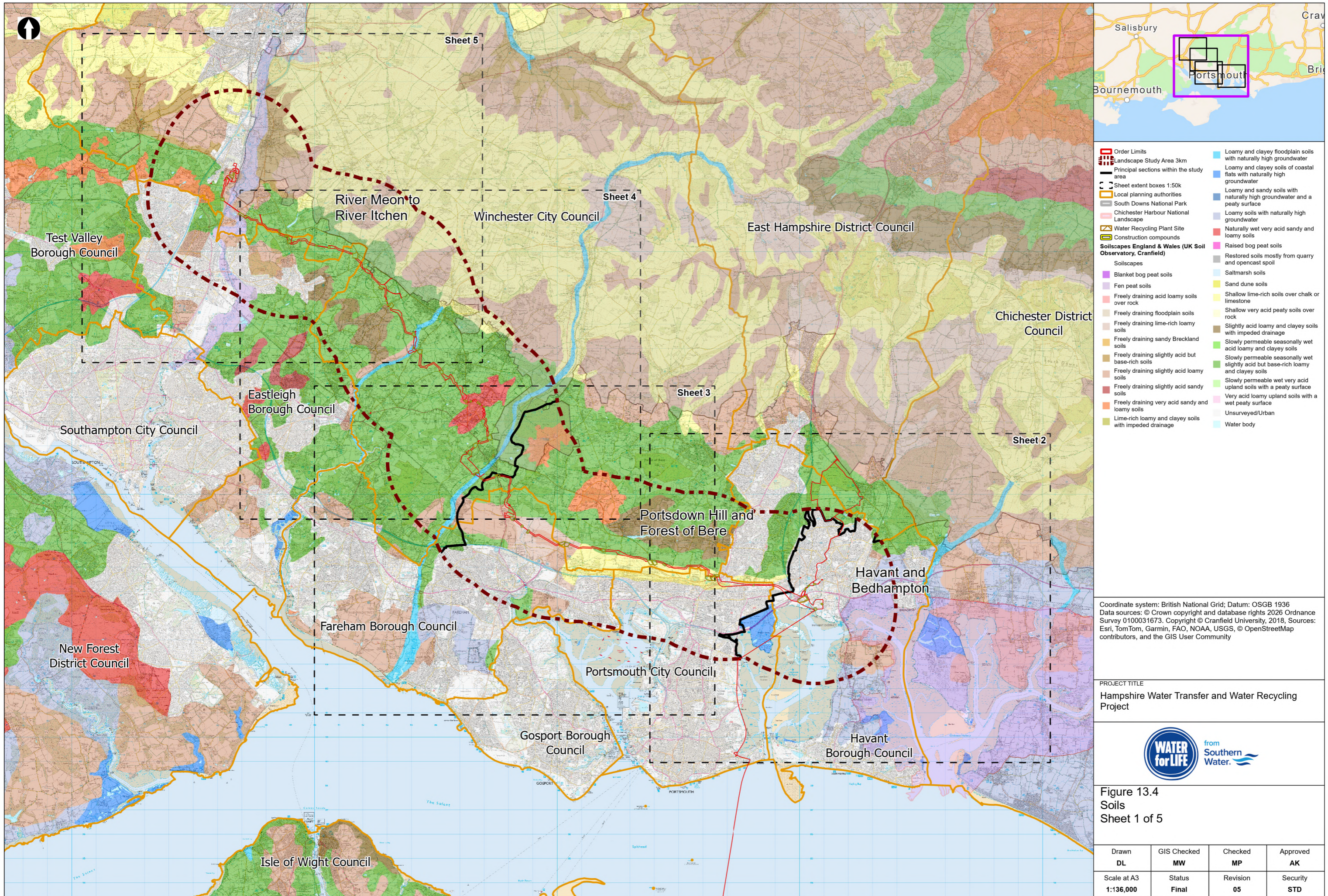
Version 0



from  
**Southern  
Water** 

The Southern Water logo consists of the words 'Southern' and 'Water' stacked vertically in a blue, sans-serif font. To the right of the text is a graphic of three stylized, wavy blue lines representing water. A registered trademark symbol (®) is positioned to the right of the word 'Water'.





- Order Limits
- Landscape Study Area 3km
- Principal sections within the study area
- Sheet extent boxes 1:50k
- Local planning authorities
- South Downs National Park
- Chichester Harbour National Landscape
- Water Recycling Plant Site
- Construction compounds
- Soilscape England & Wales (UK Soil Observatory, Cranfield)**
- Soilscape**
- Blanket bog peat soils
- Fen peat soils
- Freely draining acid loamy soils over rock
- Freely draining floodplain soils
- Freely draining lime-rich loamy soils
- Freely draining sandy Breckland soils
- Freely draining slightly acid but base-rich soils
- Freely draining slightly acid loamy soils
- Freely draining slightly acid sandy soils
- Freely draining very acid sandy and loamy soils
- Lime-rich loamy and clayey soils with impeded drainage
- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy and clayey soils of coastal flats with naturally high groundwater
- Loamy and sandy soils with naturally high groundwater and a peaty surface
- Loamy soils with naturally high groundwater
- Naturally wet very acid sandy and loamy soils
- Raised bog peat soils
- Restored soils mostly from quarry and opencast spoil
- Saltmarsh soils
- Sand dune soils
- Shallow lime-rich soils over chalk or limestone
- Shallow very acid peaty soils over rock
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet acid loamy and clayey soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
- Slowly permeable wet very acid upland soils with a peaty surface
- Very acid loamy upland soils with a wet peaty surface
- Unsurveyed/Urban
- Water body

Coordinate system: British National Grid; Datum: OSGB 1936  
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Copyright © Cranfield University, 2018, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

PROJECT TITLE  
 Hampshire Water Transfer and Water Recycling Project

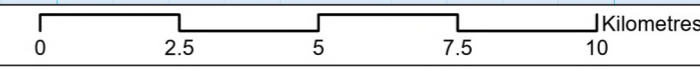


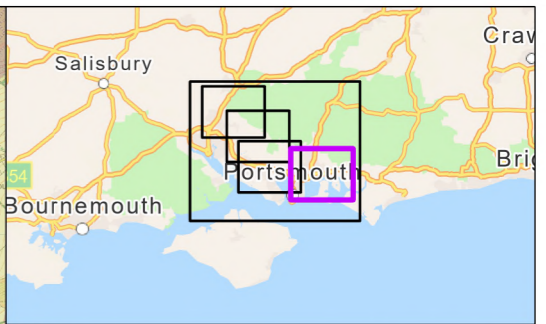
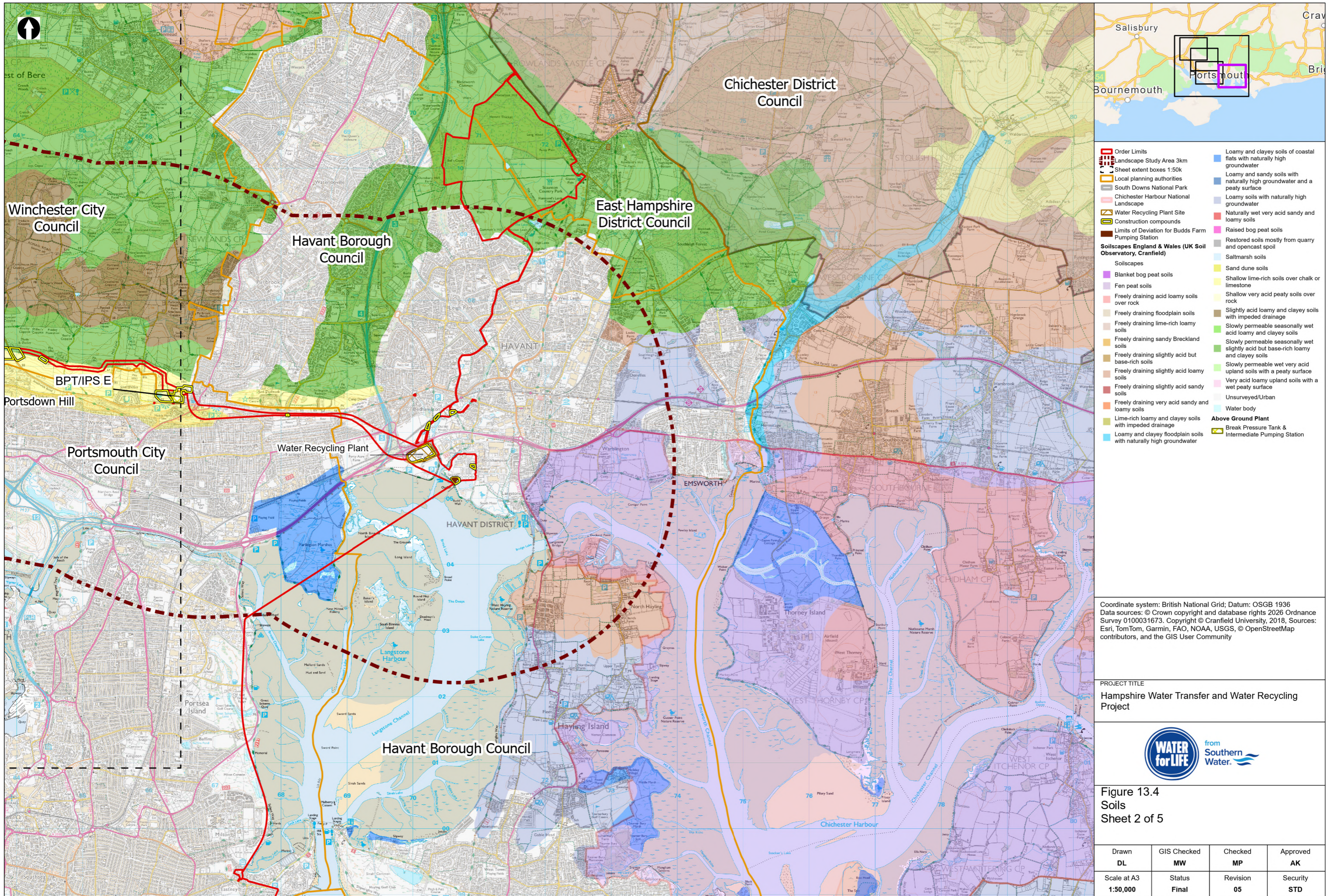
Figure 13.4  
 Soils  
 Sheet 1 of 5

Drawn <b>DL</b>	GIS Checked <b>MW</b>	Checked <b>MP</b>	Approved <b>AK</b>
Scale at A3 <b>1:136,000</b>	Status <b>Final</b>	Revision <b>05</b>	Security <b>STD</b>

Drawing Number  
**PC5223-RHD-ES-ZZ-D-Z-0131**

© Southern Water 2026  
 This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose. We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.





- Order Limits
  - Landscape Study Area 3km
  - Sheet extent boxes 1:50k
  - Local planning authorities
  - South Downs National Park
  - Chichester Harbour National Landscape
  - Water Recycling Plant Site
  - Construction compounds
  - Limits of Deviation for Budds Farm Pumping Station
  - Blanket bog peat soils
  - Fen peat soils
  - Freely draining acid loamy soils over rock
  - Freely draining floodplain soils
  - Freely draining lime-rich loamy soils
  - Freely draining sandy Breckland soils
  - Freely draining slightly acid but base-rich soils
  - Freely draining slightly acid loamy soils
  - Freely draining slightly acid sandy soils
  - Freely draining very acid sandy and loamy soils
  - Lime-rich loamy and clayey soils with impeded drainage
  - Loamy and clayey floodplain soils with naturally high groundwater
  - Loamy and clayey soils of coastal flats with naturally high groundwater
  - Loamy and sandy soils with naturally high groundwater and a peaty surface
  - Loamy soils with naturally high groundwater
  - Naturally wet very acid sandy and loamy soils
  - Raised bog peat soils
  - Restored soils mostly from quarry and opencast spoil
  - Saltmarsh soils
  - Sand dune soils
  - Shallow lime-rich soils over chalk or limestone
  - Shallow very acid peaty soils over rock
  - Slightly acid loamy and clayey soils with impeded drainage
  - Slowly permeable seasonally wet acid loamy and clayey soils
  - Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
  - Slowly permeable wet very acid upland soils with a peaty surface
  - Very acid loamy upland soils with a wet peaty surface
  - Unsurveyed/Urban
  - Water body
- Soilscapes England & Wales (UK Soil Observatory, Cranfield)**
- Soilscapes**
- Blanket bog peat soils
  - Fen peat soils
  - Freely draining acid loamy soils over rock
  - Freely draining floodplain soils
  - Freely draining lime-rich loamy soils
  - Freely draining sandy Breckland soils
  - Freely draining slightly acid but base-rich soils
  - Freely draining slightly acid loamy soils
  - Freely draining slightly acid sandy soils
  - Freely draining very acid sandy and loamy soils
  - Lime-rich loamy and clayey soils with impeded drainage
  - Loamy and clayey floodplain soils with naturally high groundwater
  - Loamy and clayey soils of coastal flats with naturally high groundwater
  - Loamy and sandy soils with naturally high groundwater and a peaty surface
  - Loamy soils with naturally high groundwater
  - Naturally wet very acid sandy and loamy soils
  - Raised bog peat soils
  - Restored soils mostly from quarry and opencast spoil
  - Saltmarsh soils
  - Sand dune soils
  - Shallow lime-rich soils over chalk or limestone
  - Shallow very acid peaty soils over rock
  - Slightly acid loamy and clayey soils with impeded drainage
  - Slowly permeable seasonally wet acid loamy and clayey soils
  - Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
  - Slowly permeable wet very acid upland soils with a peaty surface
  - Very acid loamy upland soils with a wet peaty surface
  - Unsurveyed/Urban
  - Water body
- Above Ground Plant**
- Break Pressure Tank & Intermediate Pumping Station

Coordinate system: British National Grid; Datum: OSGB 1936  
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Copyright © Cranfield University, 2018, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

PROJECT TITLE  
 Hampshire Water Transfer and Water Recycling Project

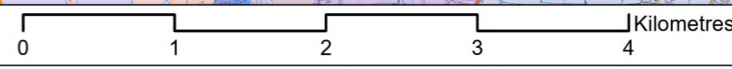


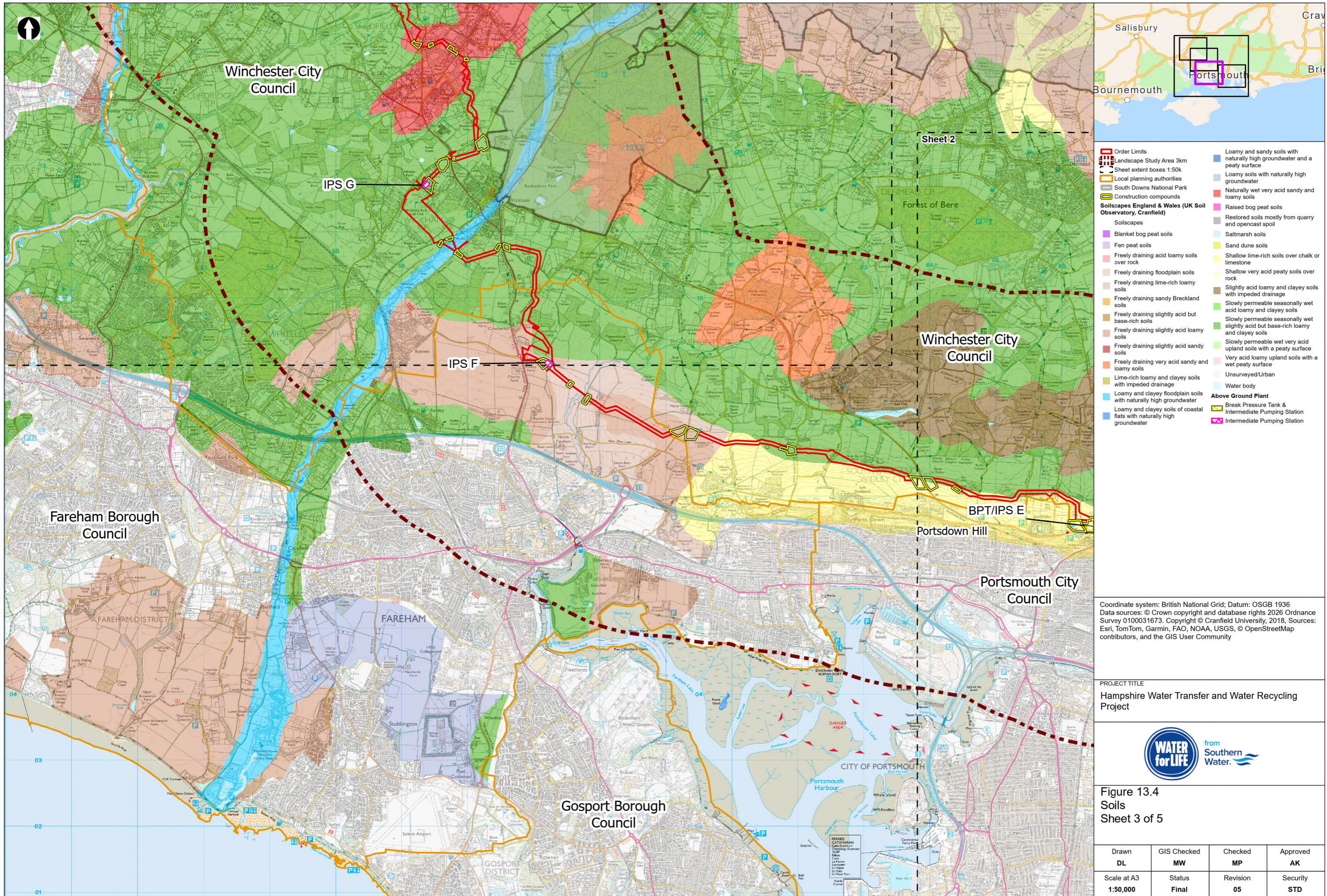
Figure 13.4  
 Soils  
 Sheet 2 of 5

Drawn <b>DL</b>	GIS Checked <b>MW</b>	Checked <b>MP</b>	Approved <b>AK</b>
Scale at A3 <b>1:50,000</b>	Status <b>Final</b>	Revision <b>05</b>	Security <b>STD</b>

Drawing Number  
**PC5223-RHD-ES-ZZ-D-Z-0131**

© Southern Water 2026  
 This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.  
 We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.





- Order Limits
- Landscape Study Area 3km
- Sheet extent boxes 1:50k
- Local planning authorities
- South Downs National Park
- Construction compounds
- Soilscape England & Wales (UK Soil Observatory, Cranfield)
- Soilscape
- Blanket bog peat soils
- Fen peat soils
- Freely draining acid loamy soils over rock
- Freely draining floodplain soils
- Freely draining lime-rich loamy soils
- Freely draining sandy Breckland soils
- Freely draining slightly acid but base-rich soils
- Freely draining slightly acid loamy soils
- Freely draining slightly acid sandy soils
- Freely draining very acid sandy and loamy soils
- Lime-rich loamy and clayey soils with impeded drainage
- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy and clayey soils of coastal flats with naturally high groundwater
- Loamy and sandy soils with naturally high groundwater and a peaty surface
- Loamy soils with naturally high groundwater
- Naturally wet very acid sandy and loamy soils
- Raised bog peat soils
- Restored soils mostly from quarry and opencast spoil
- Saltmarsh soils
- Sand dune soils
- Shallow lime-rich soils over chalk or limestone
- Shallow very acid peaty soils over rock
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet acid loamy and clayey soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
- Slowly permeable wet very acid upland soils with a peaty surface
- Very acid loamy upland soils with a wet peaty surface
- Unserved/Urban
- Water body

- Above Ground Plant**
- Break Pressure Tank & Intermediate Pumping Station
- Intermediate Pumping Station

Coordinate system: British National Grid; Datum: OSGB 1936  
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Copyright © Cranfield University, 2018, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

PROJECT TITLE  
 Hampshire Water Transfer and Water Recycling Project

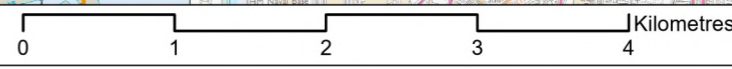


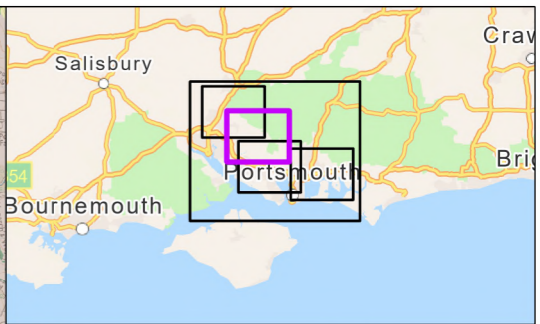
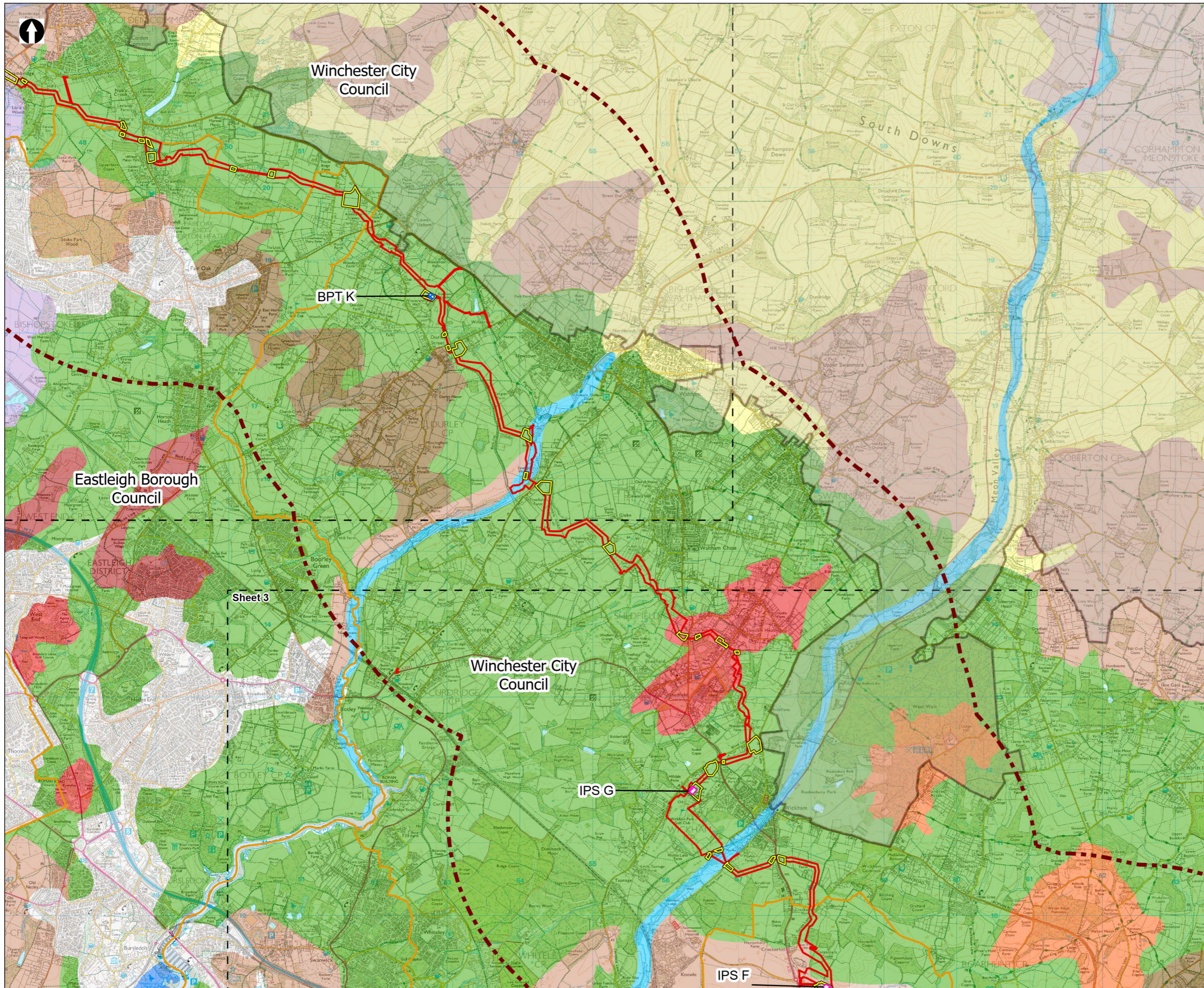
Figure 13.4  
 Soils  
 Sheet 3 of 5

Drawn <b>DL</b>	GIS Checked <b>MW</b>	Checked <b>MP</b>	Approved <b>AK</b>
Scale at A3 <b>1:50,000</b>	Status <b>Final</b>	Revision <b>05</b>	Security <b>STD</b>

Drawing Number  
**PC5223-RHD-ES-ZZ-D-Z-0131**

© Southern Water 2026  
 This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.  
 We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.





**Order Limits**

- Landscape Study Area 3km
- Sheet extent boxes 1:50k
- Local planning authorities
- South Downs National Park
- Construction compounds

**Soilscapes England & Wales (UK Soil Observatory, Cranfield)**

- Blanket bog peat soils
- Fen peat soils
- Freely draining acid loamy soils over rock
- Freely draining floodplain soils
- Freely draining lime-rich loamy soils
- Freely draining sandy Breckland soils
- Freely draining slightly acid but base-rich soils
- Freely draining slightly acid loamy soils
- Freely draining slightly acid sandy soils
- Freely draining very acid sandy and loamy soils
- Lime-rich loamy and clayey soils with impeded drainage
- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy and clayey soils of coastal flats with naturally high groundwater
- Loamy and sandy soils with naturally high groundwater and a peaty surface
- Loamy soils with naturally high groundwater
- Naturally wet very acid sandy and loamy soils
- Raised bog peat soils
- Restored soils mostly from quarry and opencast spoil
- Saltmarsh soils
- Sand dune soils
- Shallow lime-rich soils over chalk or limestone
- Shallow very acid peaty soils over rock
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet acid loamy and clayey soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
- Slowly permeable wet very acid upland soils with a peaty surface
- Very acid loamy upland soils with a wet peaty surface
- Unsurveyed/Urban
- Water body

**Above Ground Plant**

- Break Pressure Tank
- Intermediate Pumping Station

Coordinate system: British National Grid; Datum: OSGB 1936  
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Copyright © Cranfield University, 2018, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

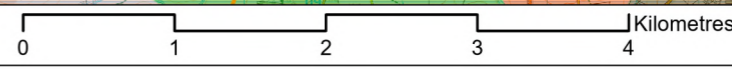
**PROJECT TITLE**  
 Hampshire Water Transfer and Water Recycling Project



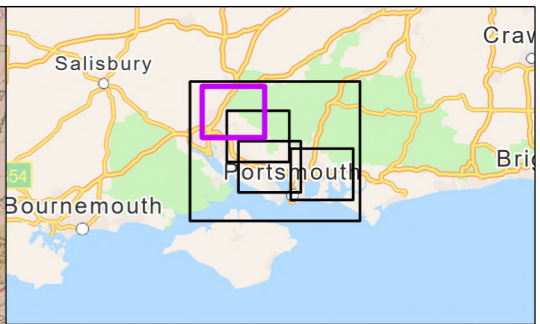
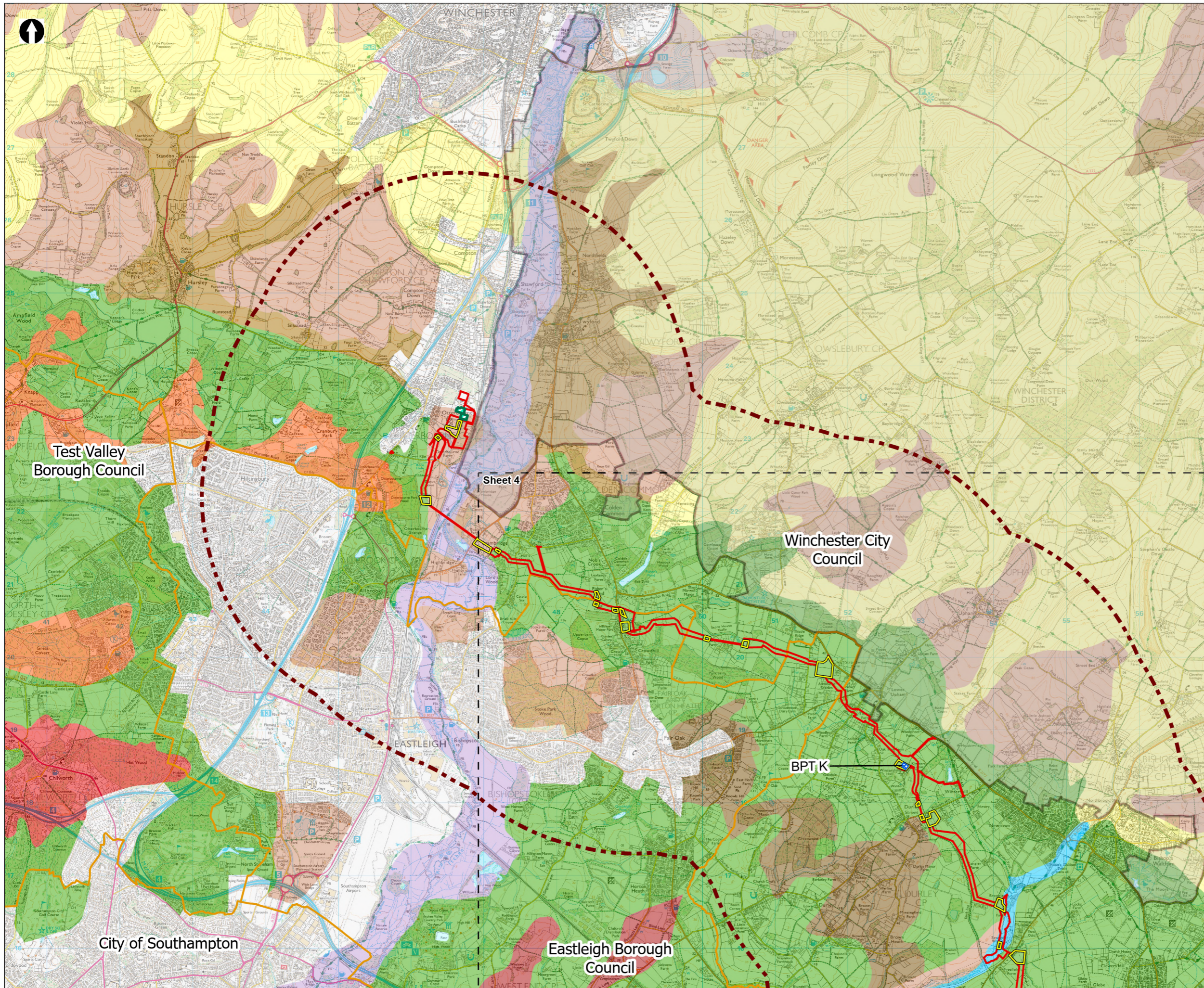
**Figure 13.4**  
 Soils  
 Sheet 4 of 5

Drawn <b>DL</b>	GIS Checked <b>MW</b>	Checked <b>MP</b>	Approved <b>AK</b>
Scale at A3 <b>1:50,000</b>	Status <b>Final</b>	Revision <b>05</b>	Security <b>STD</b>

© Southern Water 2026  
 This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose. We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.



Drawing Number **PC5223-RHD-ES-ZZ-D-Z-0131**



**Order Limits**  
 Landscape Study Area 3km  
 Sheet extent boxes 1:50k  
 Local planning authorities  
 South Downs National Park  
 Construction compounds  
 Limits of Deviation for Otterbourne INNS Treatment Plant

**Soils**  
 Loamy and clayey soils of coastal flats with naturally high groundwater  
 Loamy and sandy soils with naturally high groundwater and a peaty surface  
 Loamy soils with naturally high groundwater  
 Naturally wet very acid sandy and loamy soils  
 Raised bog peat soils  
 Restored soils mostly from quarry and opencast spoil  
 Saltmarsh soils  
 Sand dune soils  
 Shallow lime-rich soils over chalk or limestone  
 Shallow very acid peaty soils over rock  
 Slightly acid loamy and clayey soils with impeded drainage  
 Slowly permeable seasonally wet acid loamy and clayey soils  
 Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils  
 Slowly permeable wet very acid upland soils with a peaty surface  
 Very acid loamy upland soils with a wet peaty surface  
 Unsurveyed/Urban  
 Water body  
 Above Ground Plant  
 Break Pressure Tank

**Soilsapes England & Wales (UK Soil Observatory, Cranfield)**  
 Soilsapes  
 Blanket bog peat soils  
 Fen peat soils  
 Freely draining acid loamy soils over rock  
 Freely draining floodplain soils  
 Freely draining lime-rich loamy soils  
 Freely draining sandy Breckland soils  
 Freely draining slightly acid but base-rich soils  
 Freely draining slightly acid loamy soils  
 Freely draining slightly acid sandy soils  
 Freely draining very acid sandy and loamy soils  
 Lime-rich loamy and clayey soils with impeded drainage  
 Loamy and clayey floodplain soils with naturally high groundwater

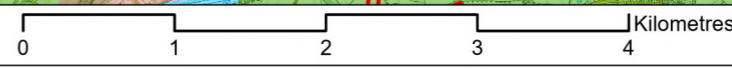
Coordinate system: British National Grid; Datum: OSGB 1936  
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Copyright © Cranfield University, 2018, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

PROJECT TITLE  
 Hampshire Water Transfer and Water Recycling Project



Figure 13.4  
 Soils  
 Sheet 5 of 5

Drawn DL	GIS Checked MW	Checked MP	Approved AK
Scale at A3 1:50,000	Status Final	Revision 05	Security STD



Drawing Number  
 PC5223-RHD-ES-ZZ-D-Z-0131