

Hampshire Water Transfer and Water Recycling Project Environmental Statement - Figure 8.24 Habitat suitability modelling output for Bechsteins batt

VOLUME NUMBER: 6

PLANNING INSPECTORATE SCHEME NUMBER: WA010002

APPLICATION DOCUMENT REFERENCE: 6.3

APFP REGULATION: 5(2)(a)

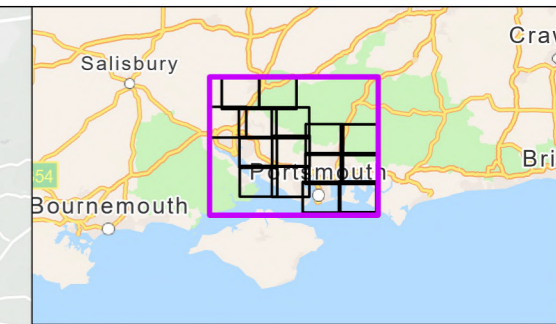
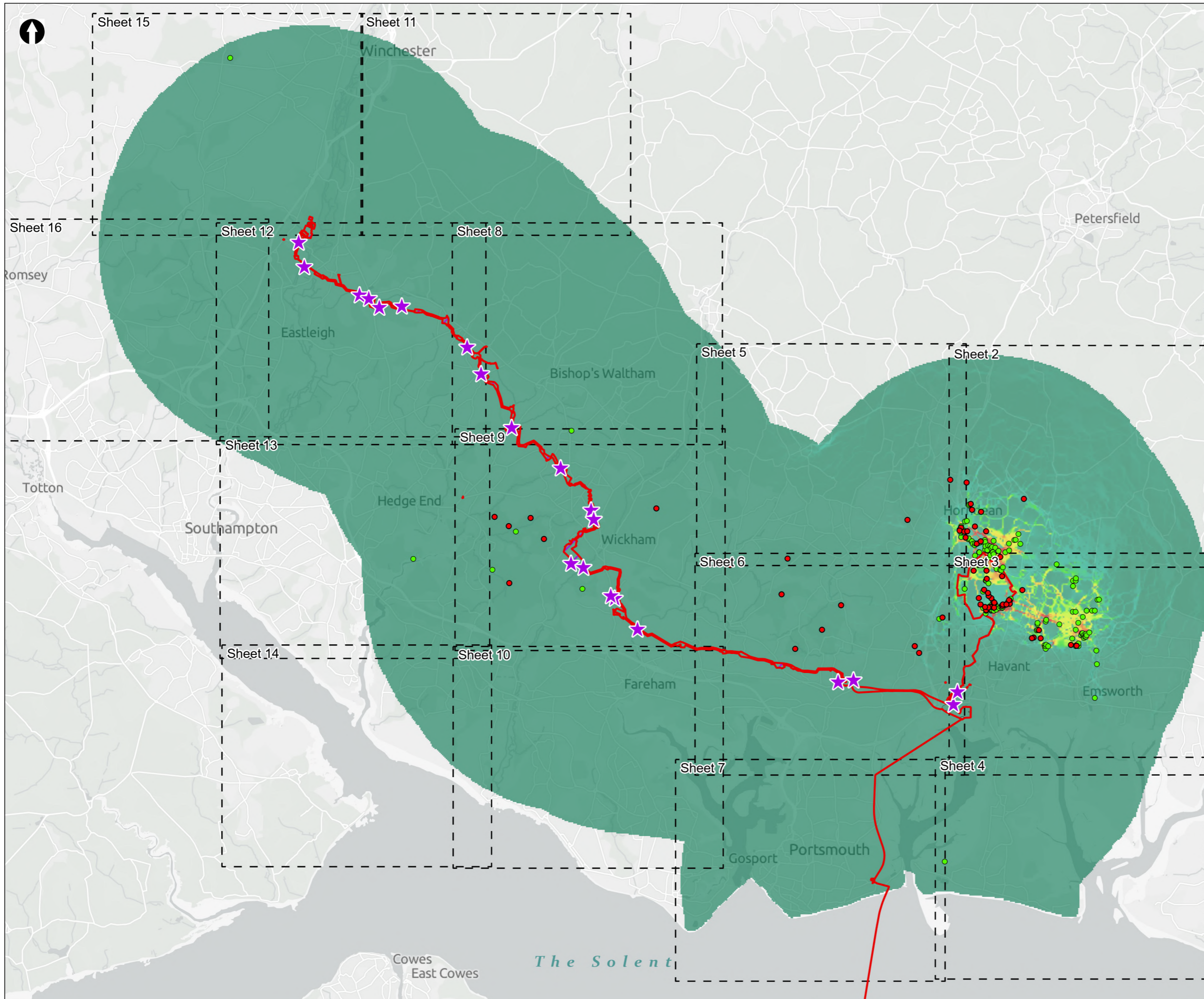
May 2026

Version 0



from
**Southern
Water** 

The Southern Water logo consists of three stylized, wavy blue lines of varying lengths, positioned to the right of the text 'Southern Water'.



Order Limits
 Sheet Extent Boxes 1:30K
 Limits of Deviation for Otterbourne INNS Treatment Plant
 Bat Direct Impact Zone
● Bechsteins Observed Presence Locations
● Bechstein Absent Records
★ Bat Key Connective Locations

Resistance ranges from low (red) through to high (green)

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

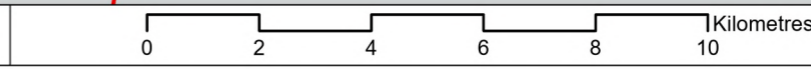
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project

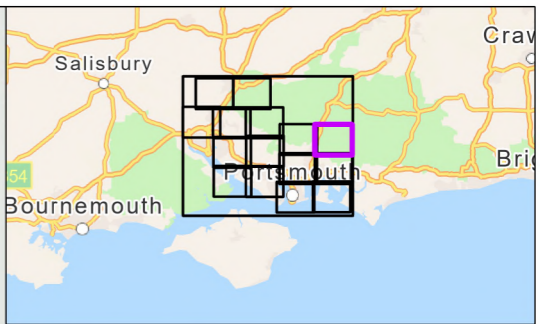
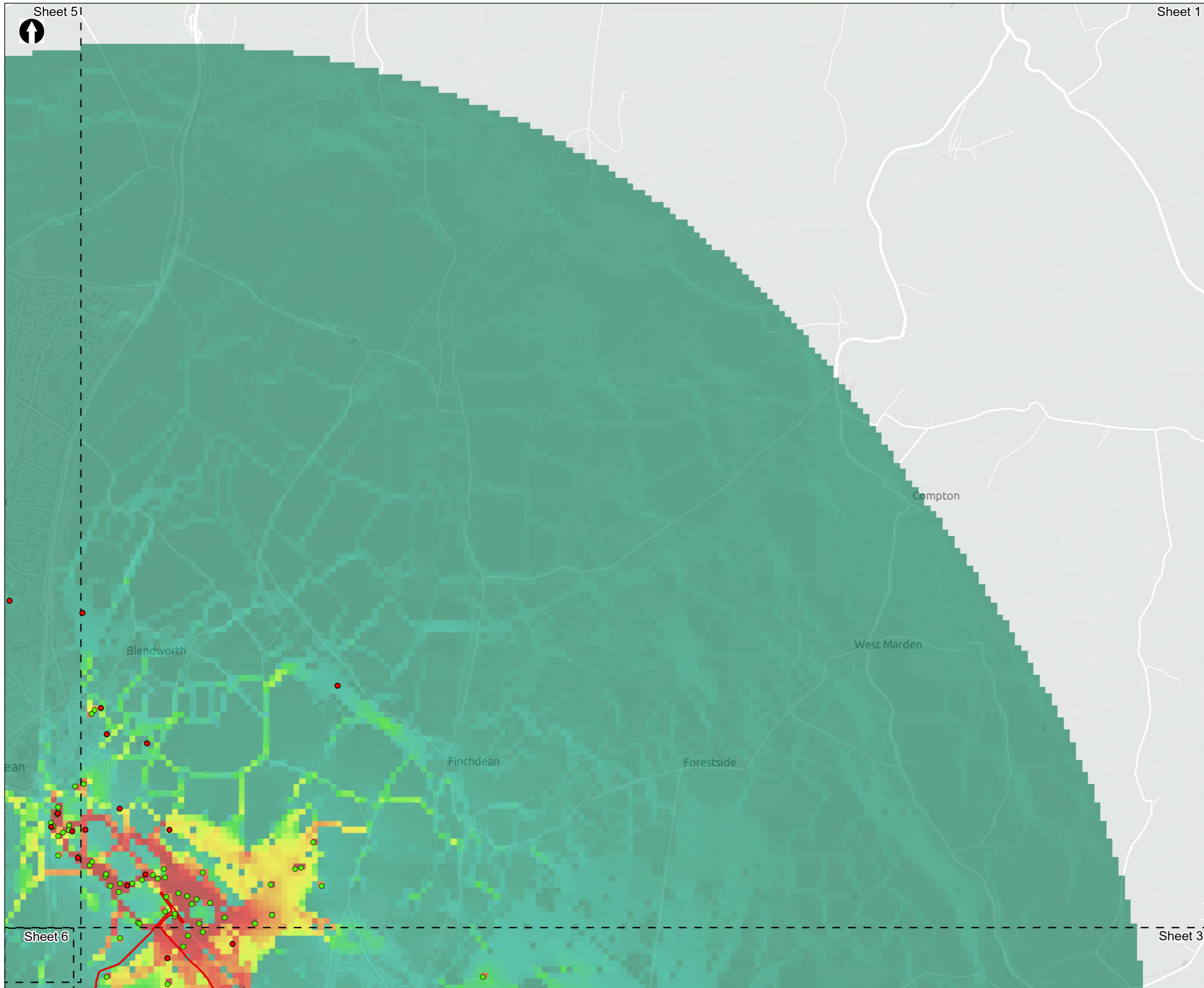






Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 1 of 16

| | | | |
|---------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:135,000 | Status Final | Revision 05 | Security STD |

Drawing Number **PC5223-RHD-ES-ZZ-D-Z-0049**





-  Order Limits
-  Sheet Extent Boxes 1:30K
-  Bechsteins Observed Presence Locations
-  Bechstein Absent Records



Resistance ranges from low (red) through to high (green)

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

PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project

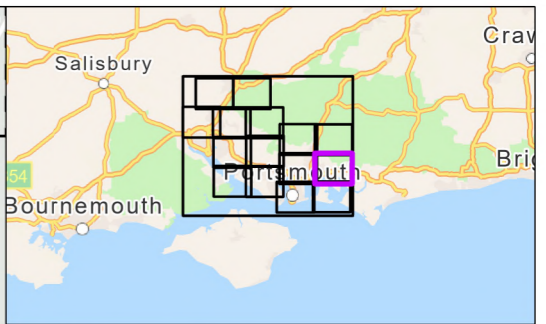
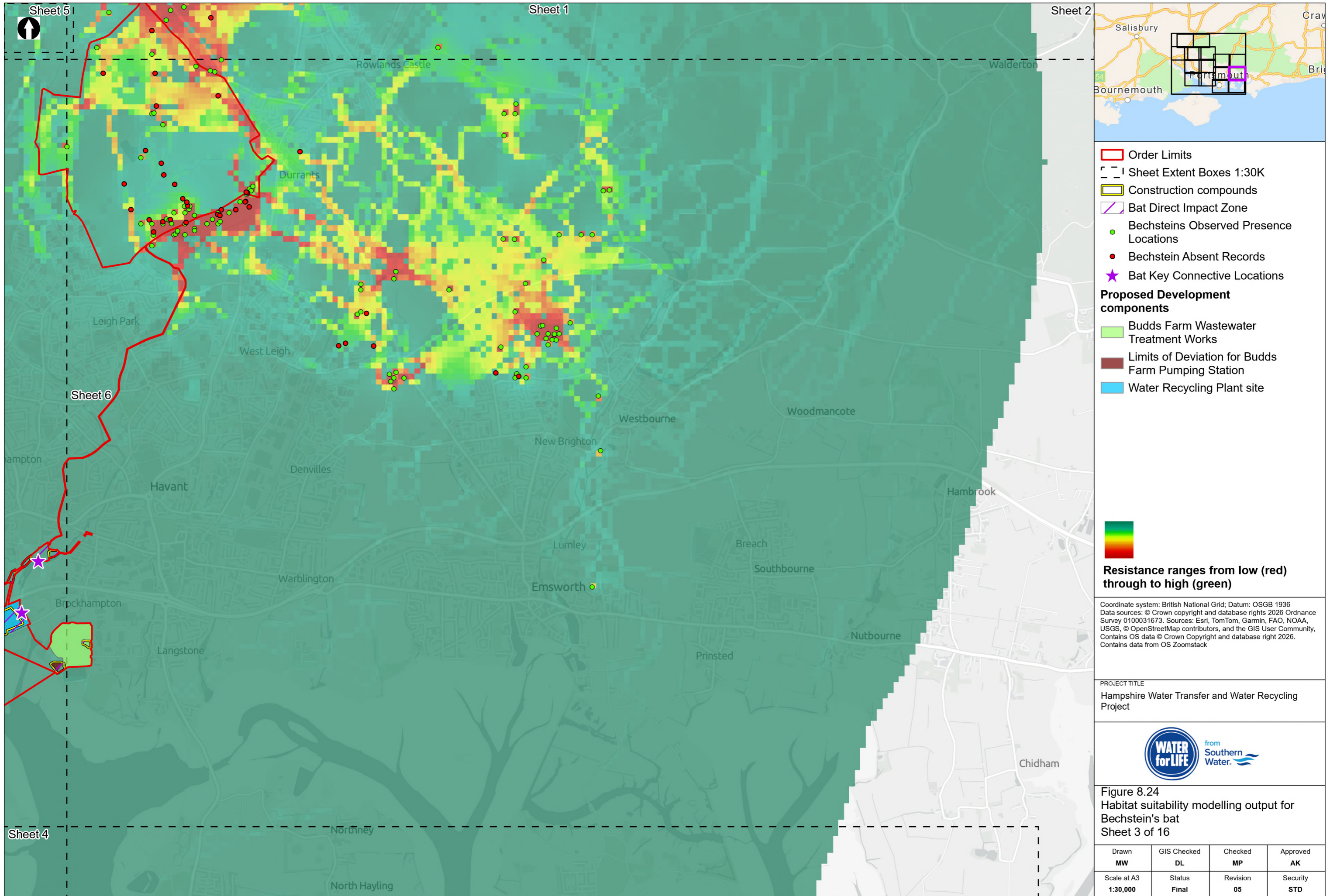


Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 2 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |

Drawing Number
PC5223-RHD-ES-ZZ-D-Z-0049





- Order Limits
 - Sheet Extent Boxes 1:30K
 - Construction compounds
 - Bat Direct Impact Zone
 - Bechsteins Observed Presence Locations
 - Bechstein Absent Records
 - ★ Bat Key Connective Locations
- Proposed Development components**
- Budds Farm Wastewater Treatment Works
 - Limits of Deviation for Budds Farm Pumping Station
 - Water Recycling Plant site



Resistance ranges from low (red) through to high (green)

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

PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project

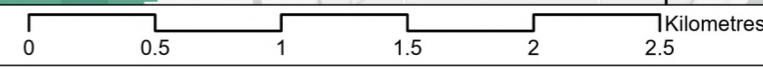


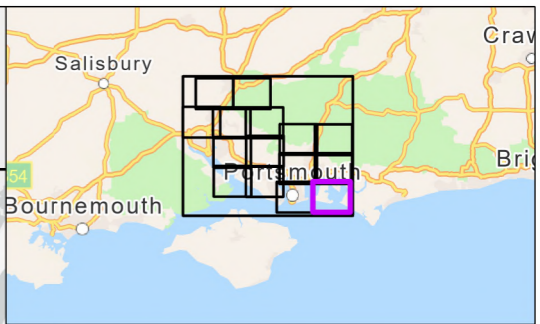
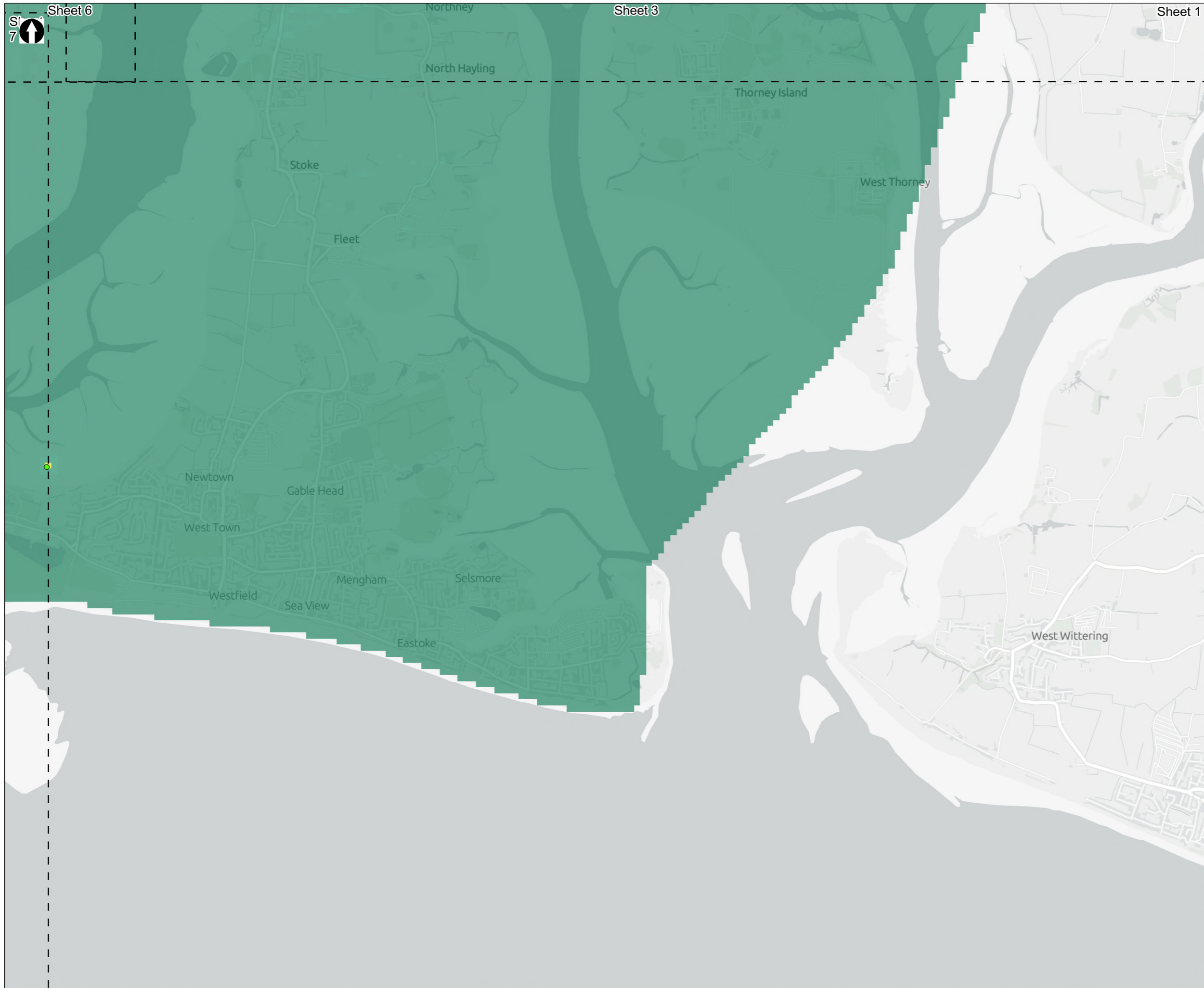
Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 3 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |

Drawing Number
PC5223-RHD-ES-ZZ-D-Z-0049

© 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.





- Sheet Extent Boxes 1:30K
- Bechsteins Observed Presence Locations



Resistance ranges from low (red) through to high (green)

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

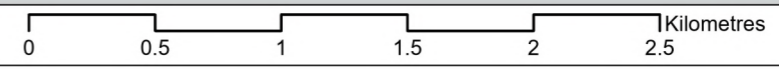
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project

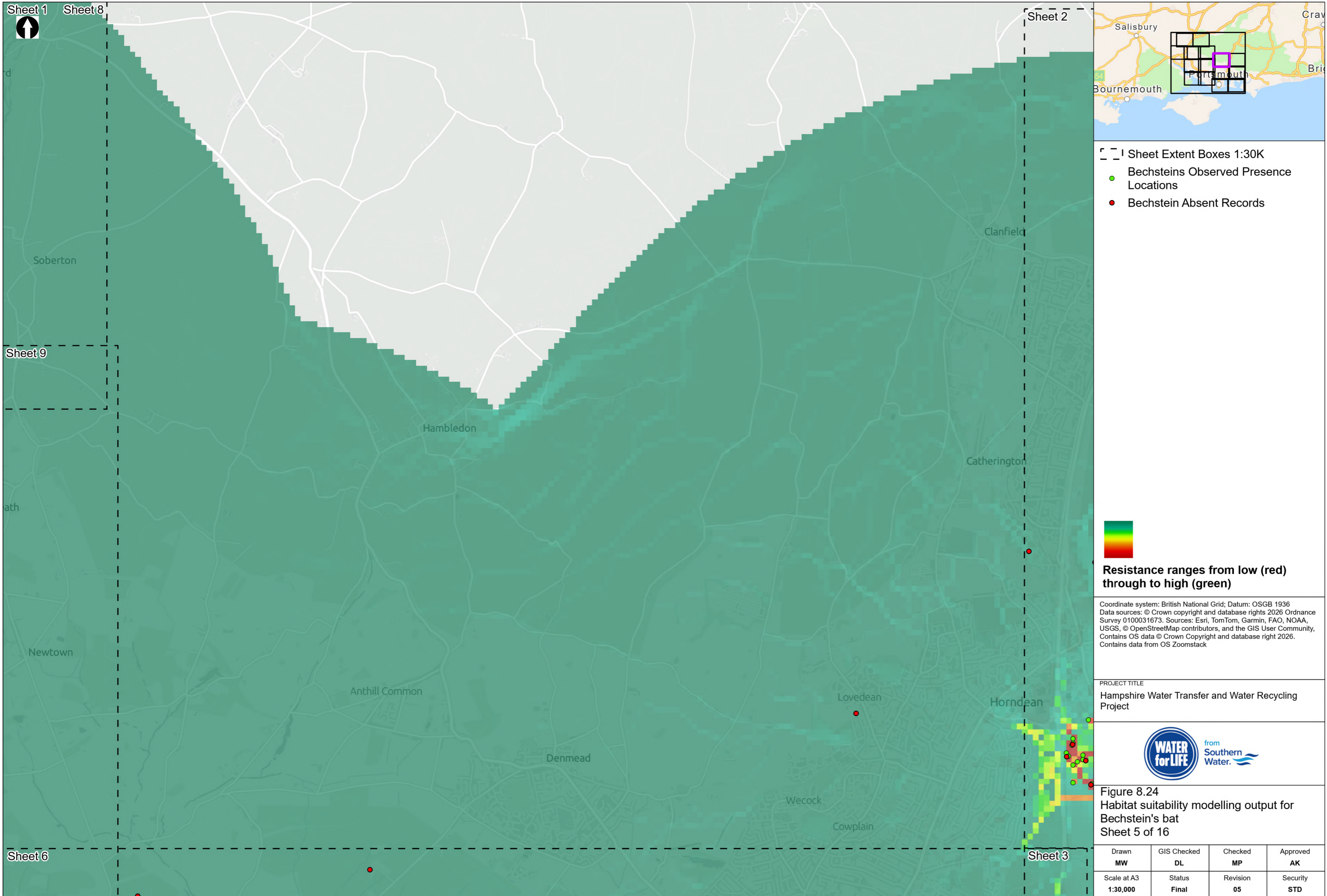


Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 4 of 16


| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |

Drawing Number
PC5223-RHD-ES-ZZ-D-Z-0049





- Sheet Extent Boxes 1:30K
- Bechsteins Observed Presence Locations
- Bechstein Absent Records

 Resistance ranges from low (red) through to high (green)

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

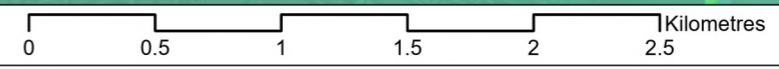
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



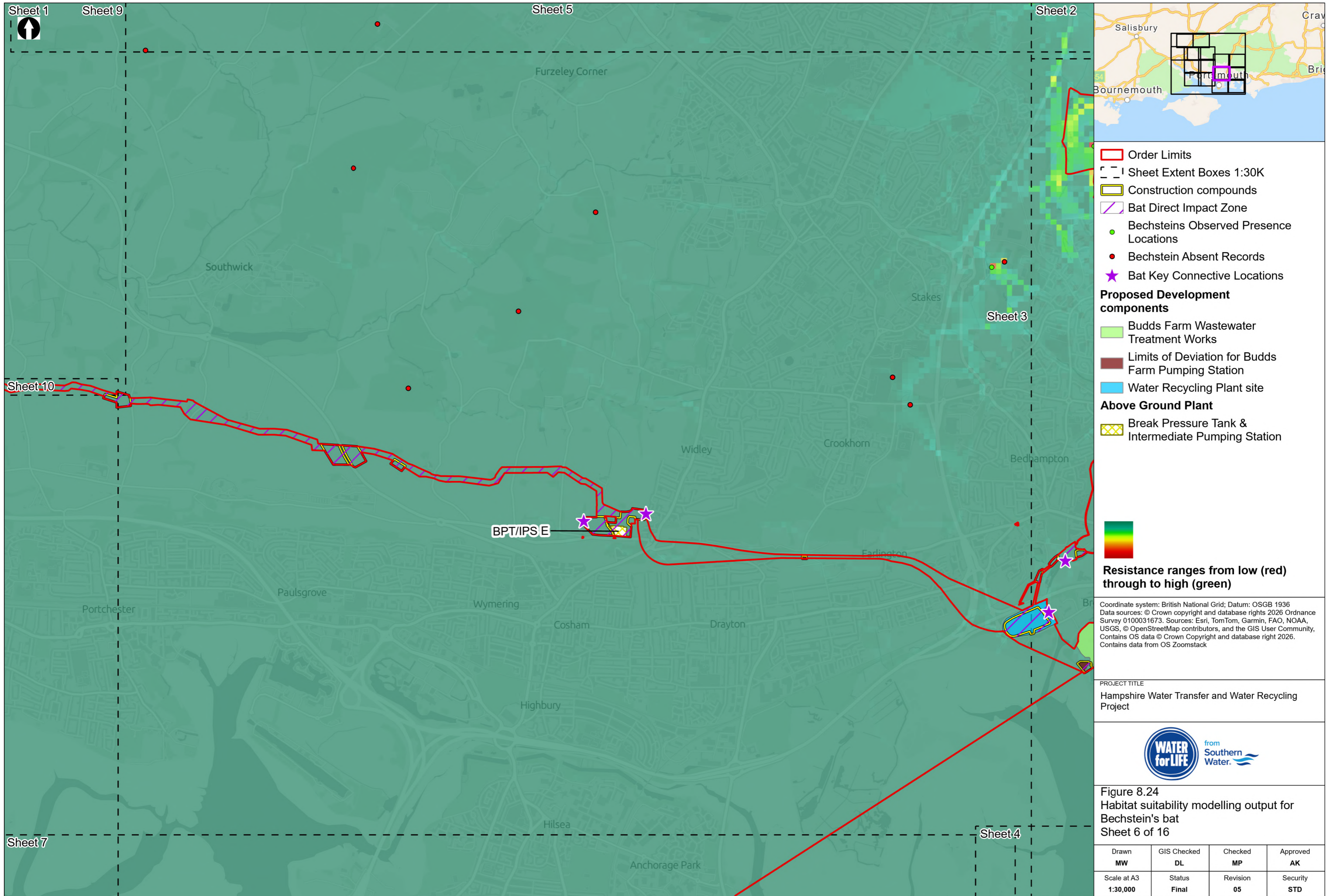
Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 5 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |

© 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-0049



- Order Limits
 - Sheet Extent Boxes 1:30K
 - Construction compounds
 - Bat Direct Impact Zone
 - Bechsteins Observed Presence Locations
 - Bechstein Absent Records
 - ★ Bat Key Connective Locations
- Proposed Development components**
- Budds Farm Wastewater Treatment Works
 - Limits of Deviation for Budds Farm Pumping Station
 - Water Recycling Plant site
- Above Ground Plant**
- Break Pressure Tank & Intermediate Pumping Station
- Resistance ranges from low (red) through to high (green)

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

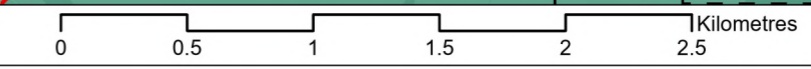
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



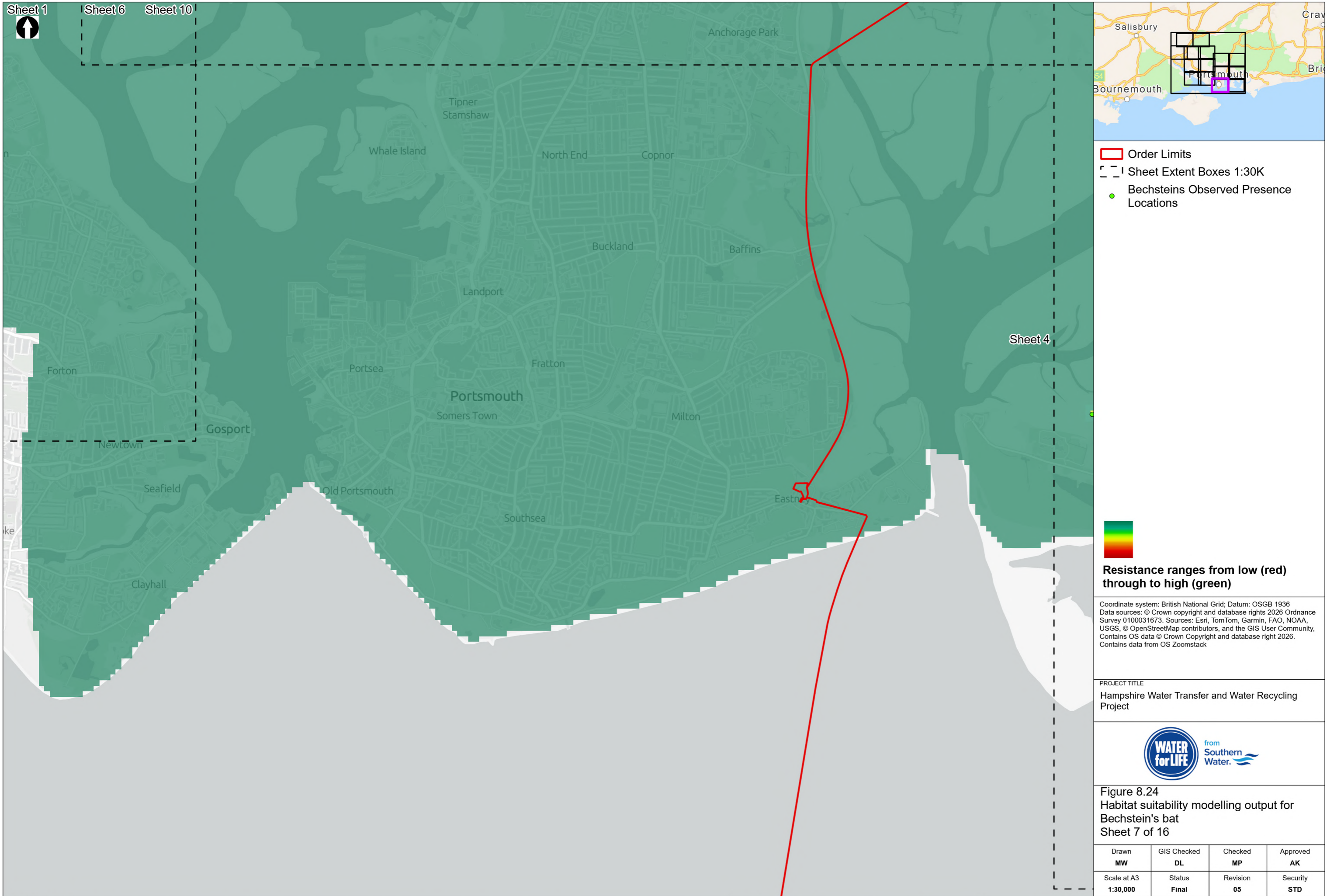
Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 6 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |


© 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-0049



- Order Limits
- Sheet Extent Boxes 1:30K
- Bechsteins Observed Presence Locations

 Resistance ranges from low (red) through to high (green)

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

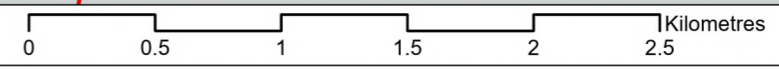
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 7 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |

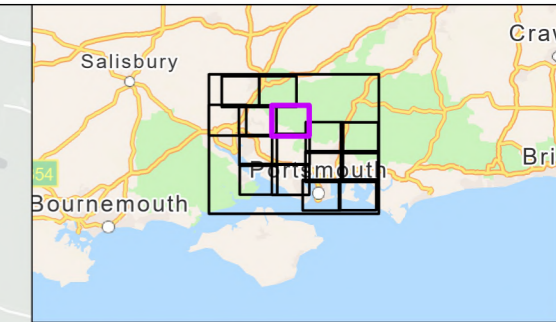
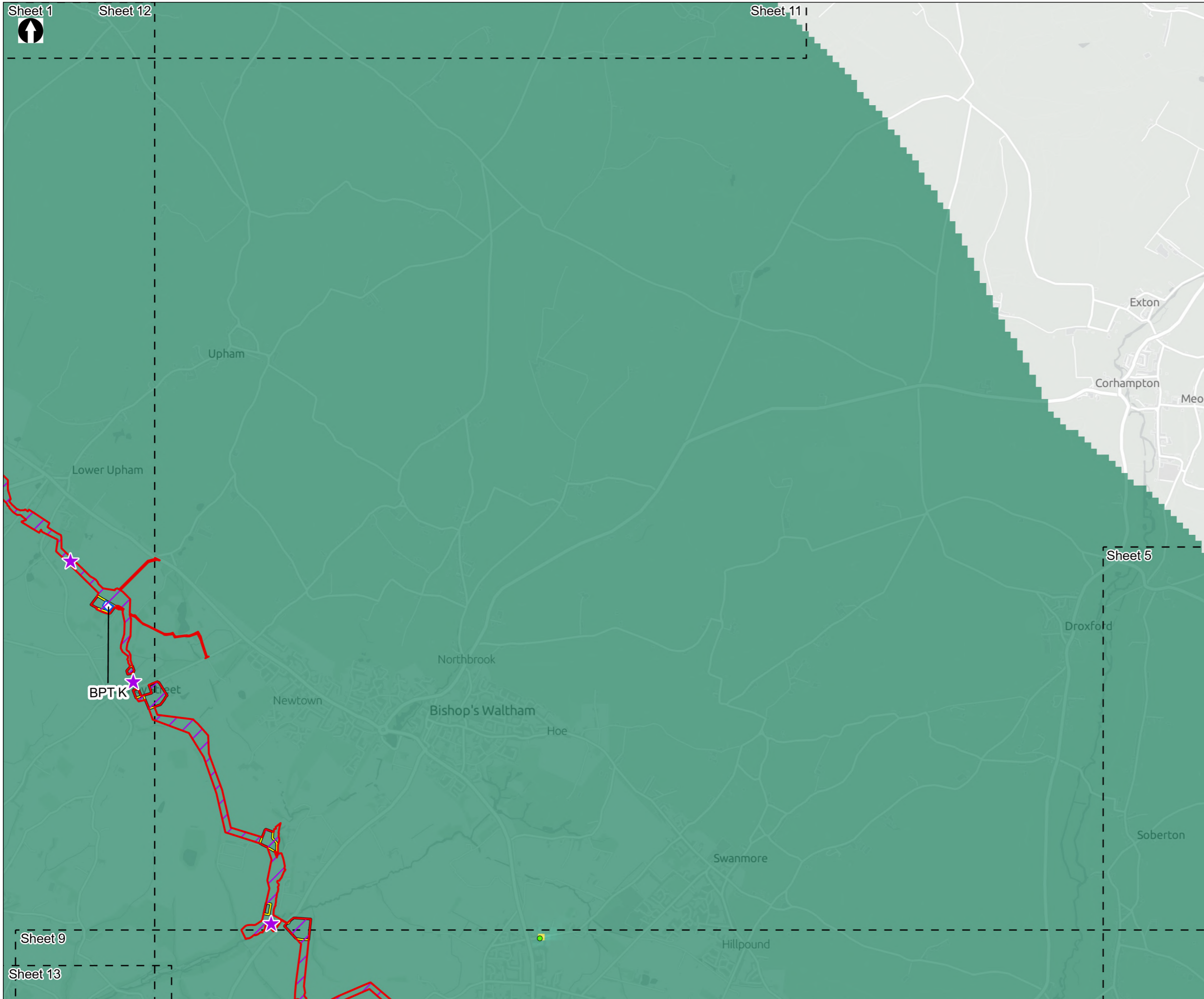
Drawing Number
PC5223-RHD-ES-ZZ-D-Z-0049



Sheet 1

Sheet 12

Sheet 11



- Order Limits
 - Sheet Extent Boxes 1:30K
 - Construction compounds
 - Bat Direct Impact Zone
 - Bechsteins Observed Presence Locations
 - Bat Key Connective Locations
- Above Ground Plant**
- Break Pressure Tank



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

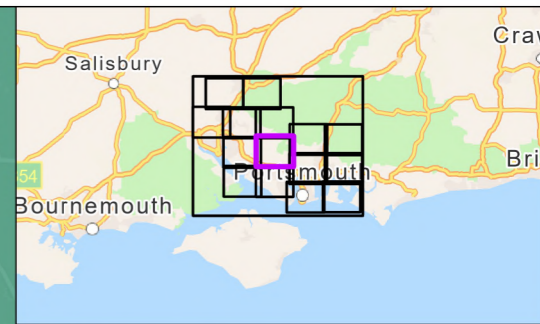
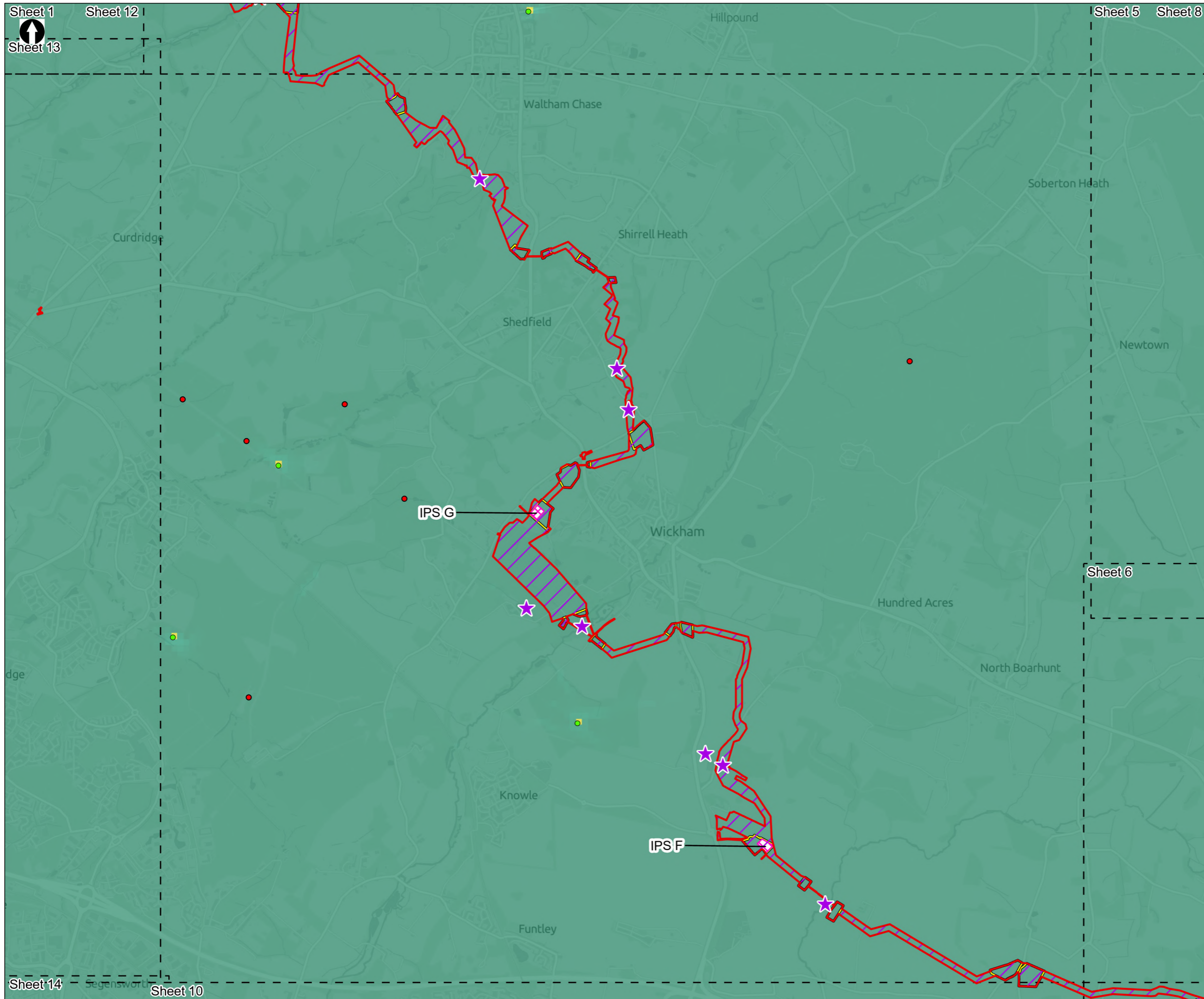
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



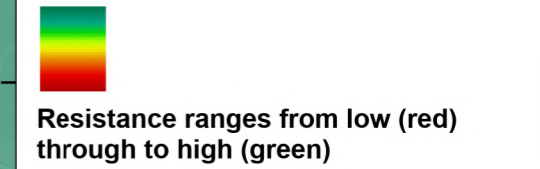
Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 8 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |





- Order Limits
 - Sheet Extent Boxes 1:30K
 - Construction compounds
 - Bat Direct Impact Zone
 - Bechsteins Observed Presence Locations
 - Bechstein Absent Records
 - Bat Key Connective Locations
- Above Ground Plant**
- Intermediate Pumping Station



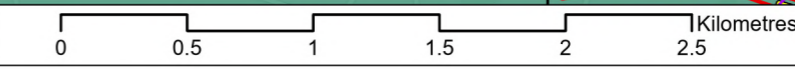
Coordinate system: British National Grid; Datum: OSGB 1936
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Contains OS data © Crown Copyright and database right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

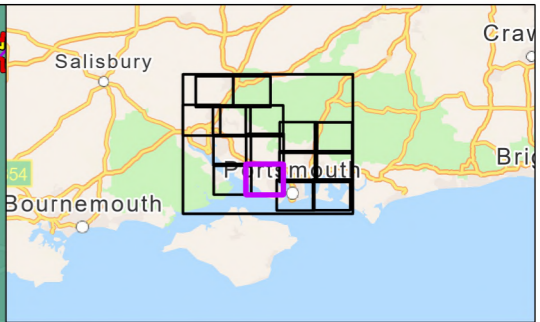
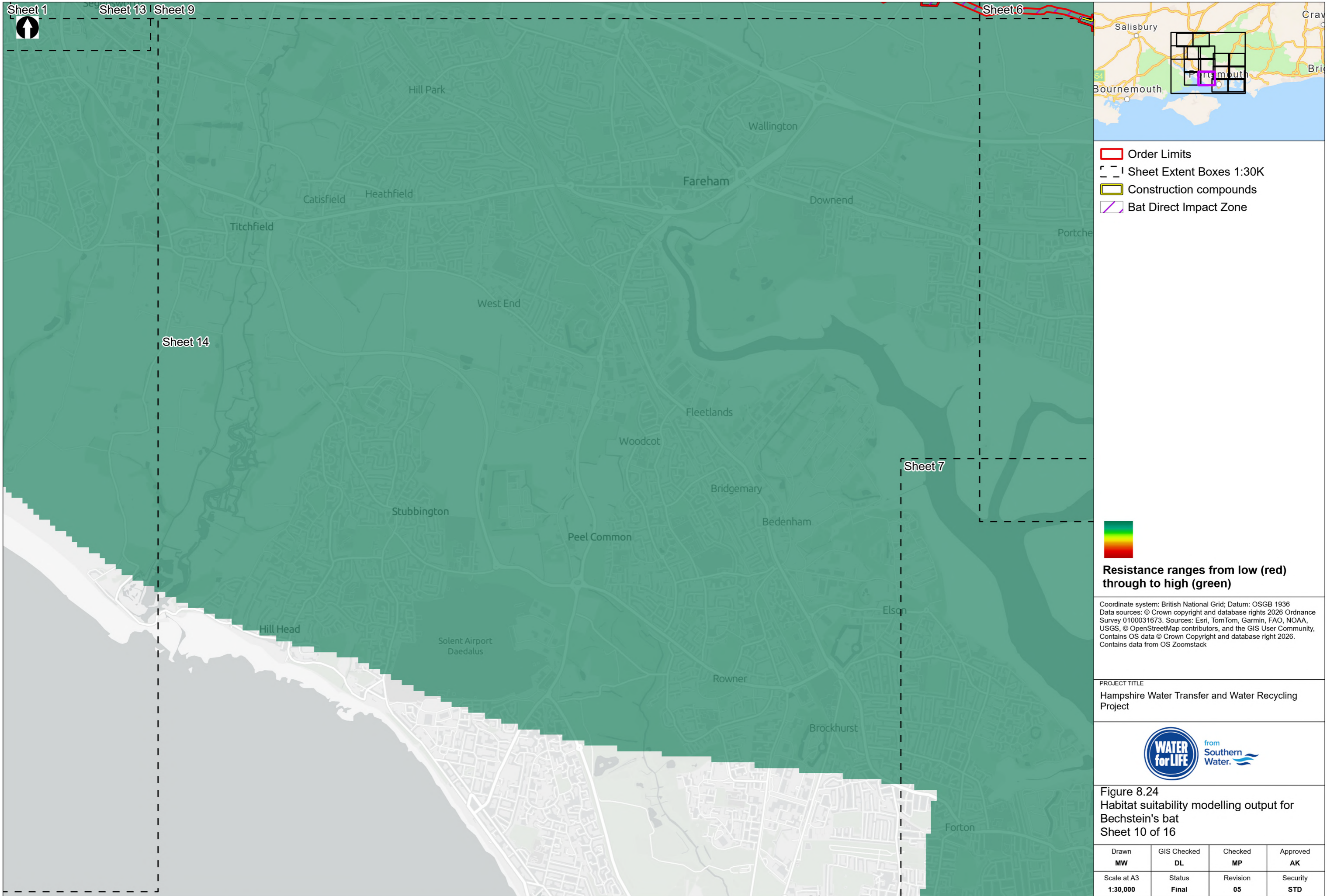
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project







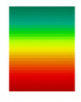
Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 9 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |





-  Order Limits
-  Sheet Extent Boxes 1:30K
-  Construction compounds
-  Bat Direct Impact Zone



Resistance ranges from low (red) through to high (green)

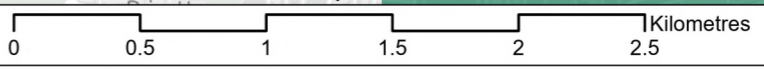
Coordinate system: British National Grid; Datum: OSGB 1936
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Contains OS data © Crown Copyright and database right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

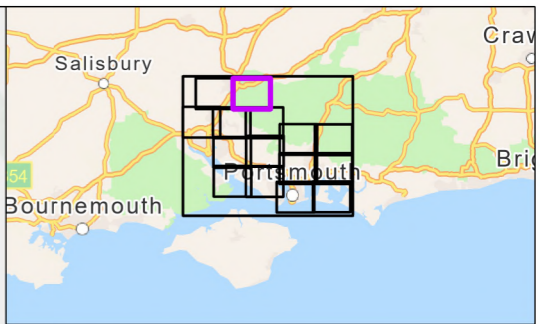
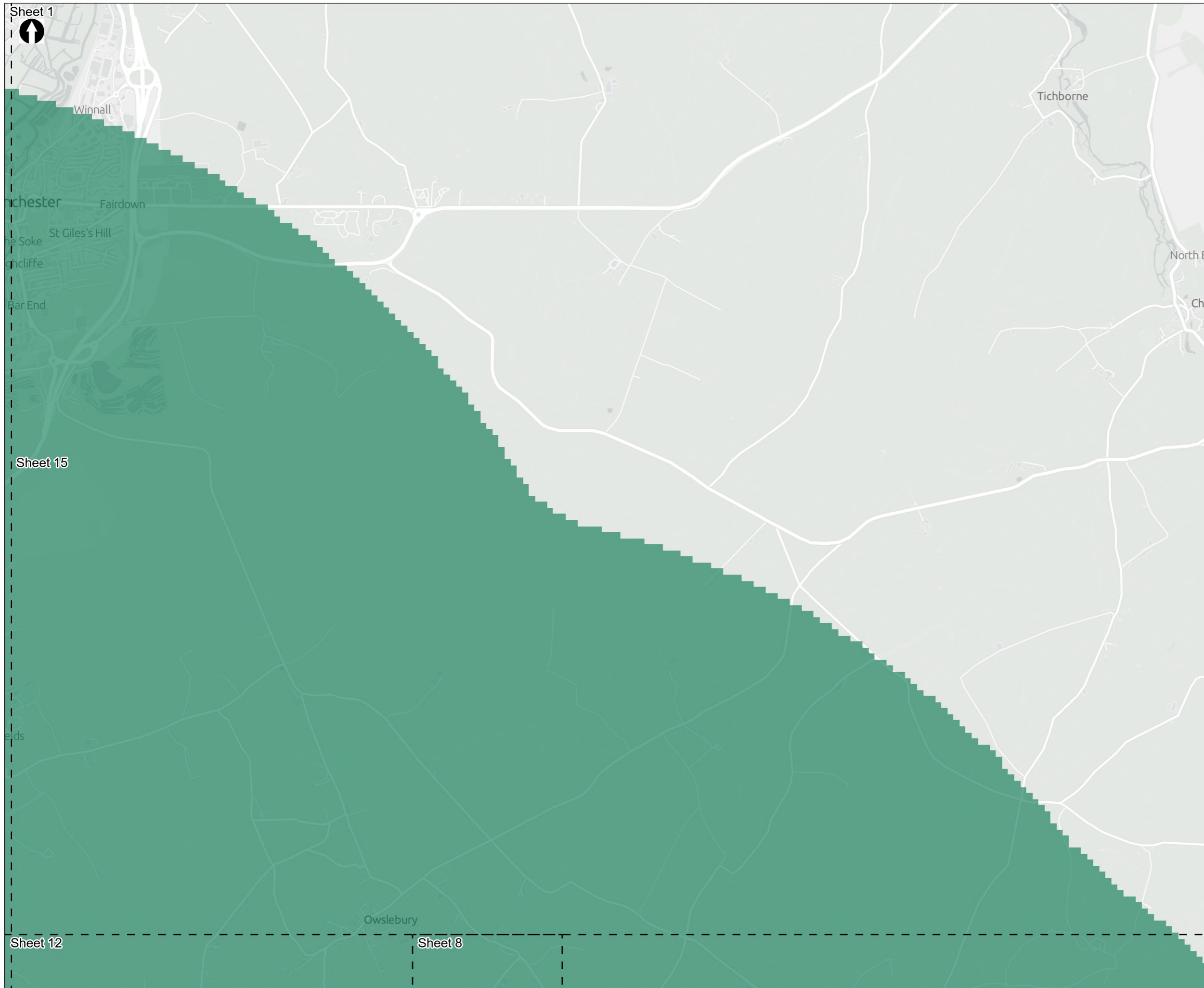
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



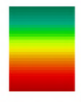
Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 10 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |





Sheet Extent Boxes 1:30K



Resistance ranges from low (red) through to high (green)

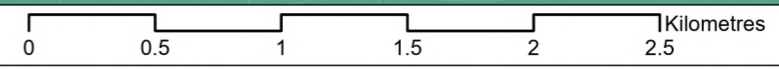
Coordinate system: British National Grid; Datum: OSGB 1936
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Contains OS data © Crown Copyright and database right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

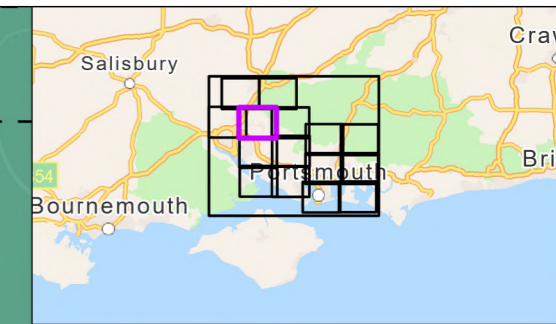
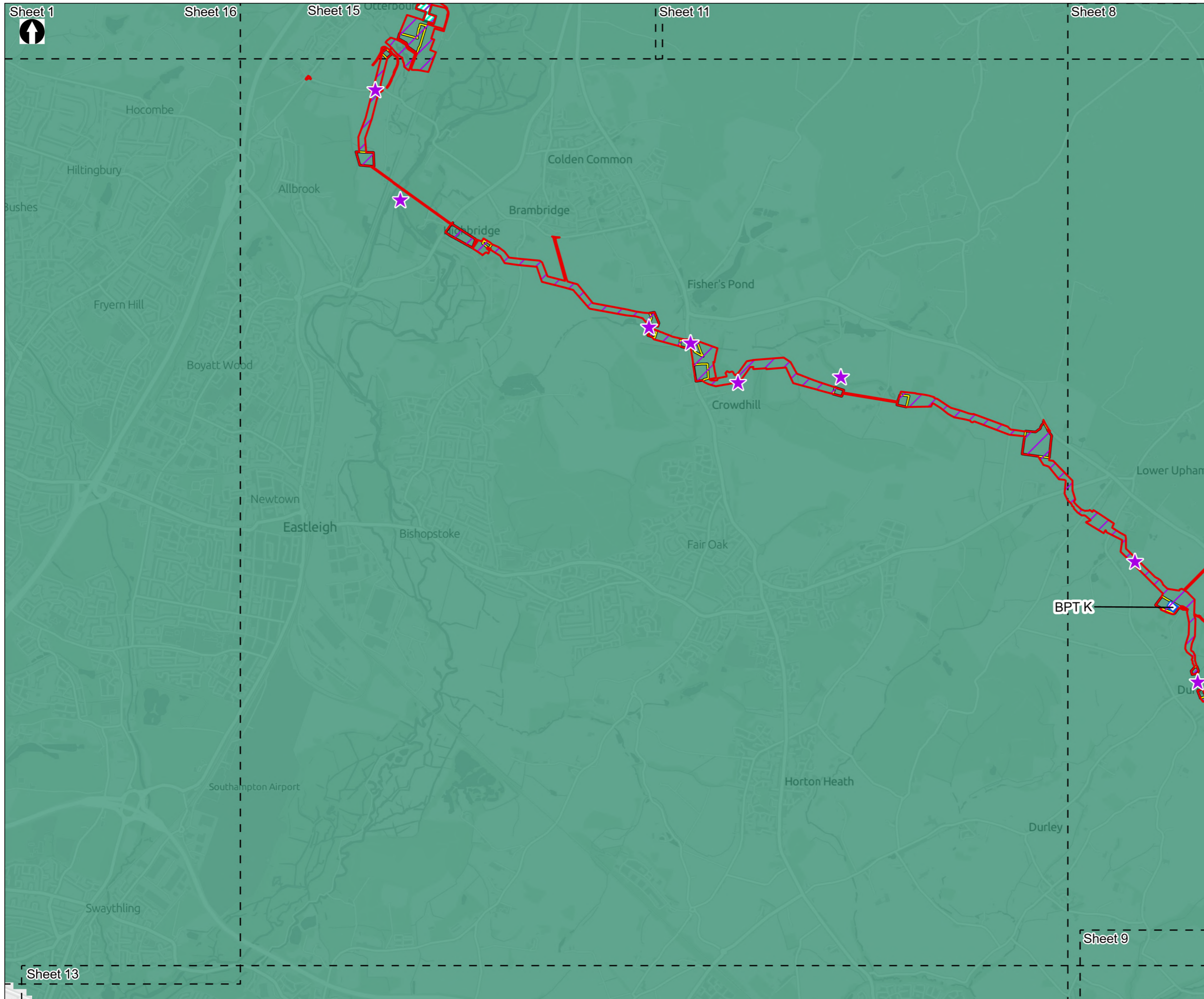
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 11 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |





- Order Limits
- Sheet Extent Boxes 1:30K
- Construction compounds
- Limits of Deviation for Otterbourne INNS Treatment Plant
- Bat Direct Impact Zone
- ★ Bat Key Connective Locations
- Above Ground Plant**
- Break Pressure Tank



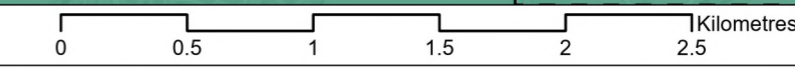
Coordinate system: British National Grid; Datum: OSGB 1936
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Contains OS data © Crown Copyright and database right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

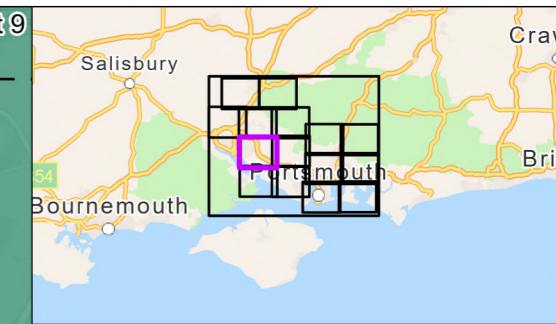
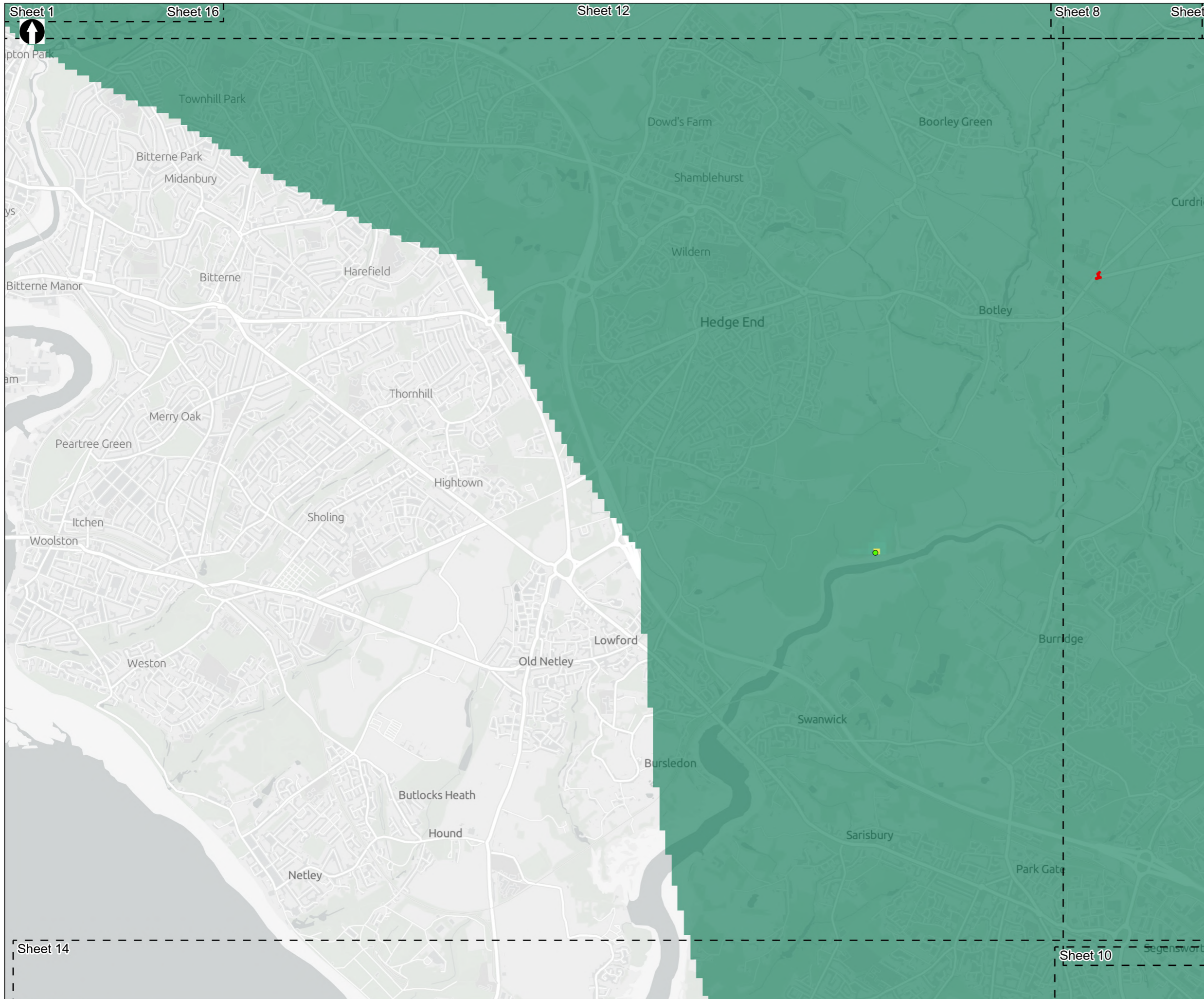
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 12 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |





Order Limits
 Sheet Extent Boxes 1:30K
 Bat Direct Impact Zone
● Bechsteins Observed Presence Locations


Resistance ranges from low (red) through to high (green)

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

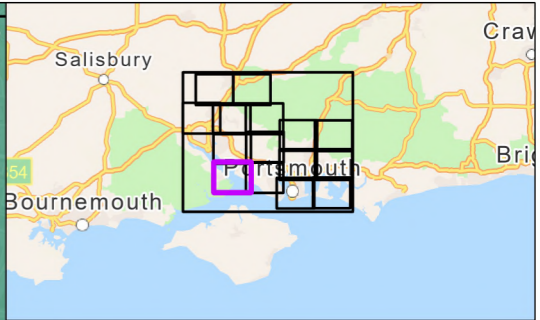
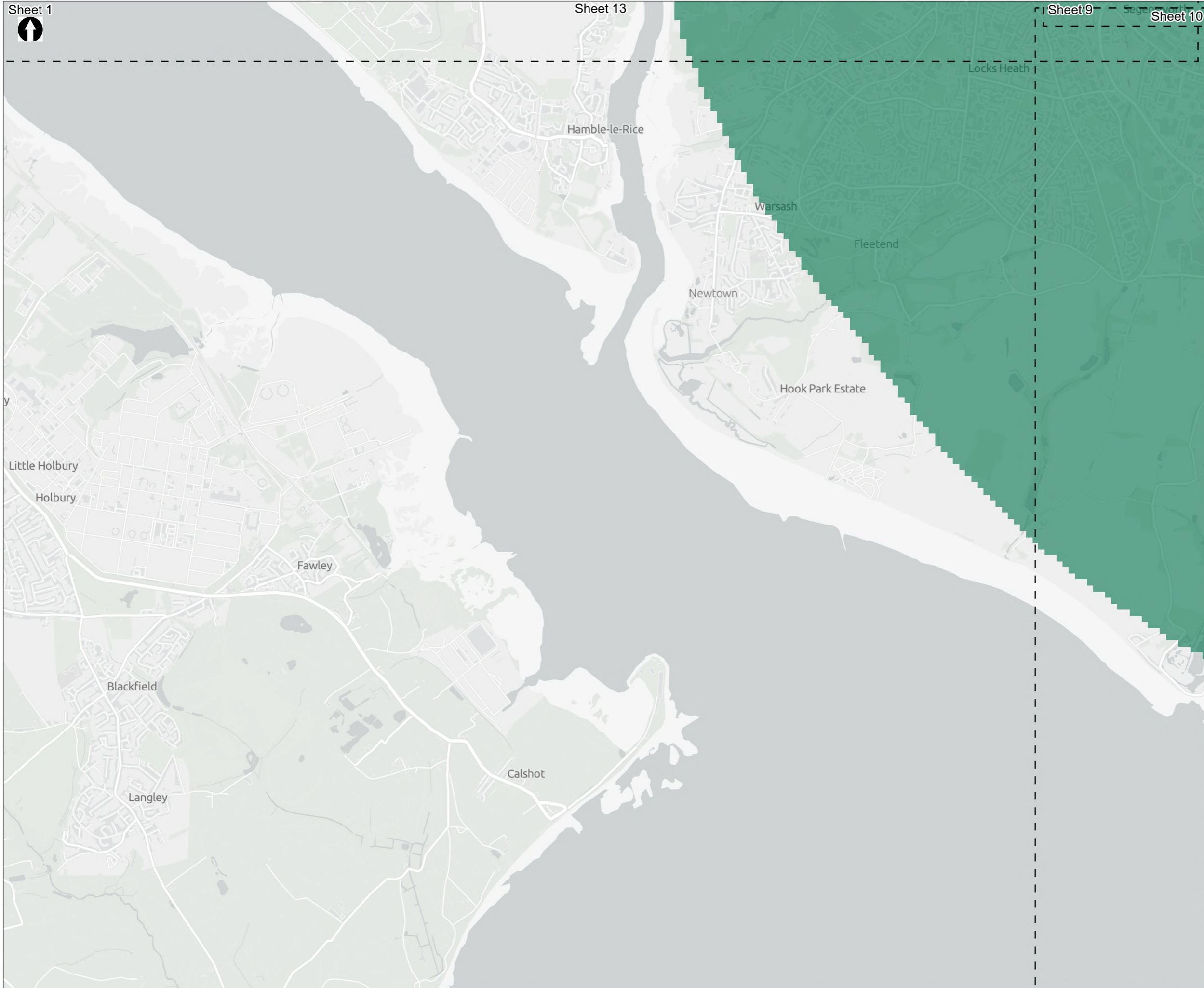
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 13 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |





Sheet Extent Boxes 1:30K



Resistance ranges from low (red) through to high (green)

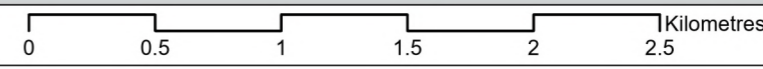
Coordinate system: British National Grid; Datum: OSGB 1936
 Data sources: © Crown copyright and database rights 2026 Ordnance Survey 0100031673. Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Contains OS data © Crown Copyright and database right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

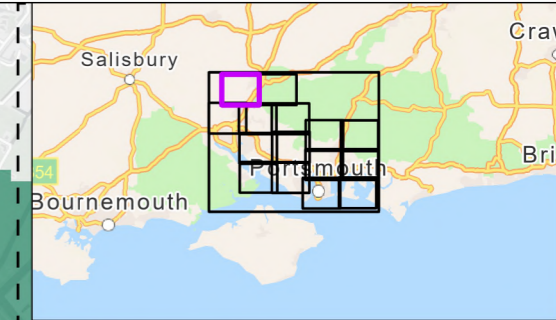
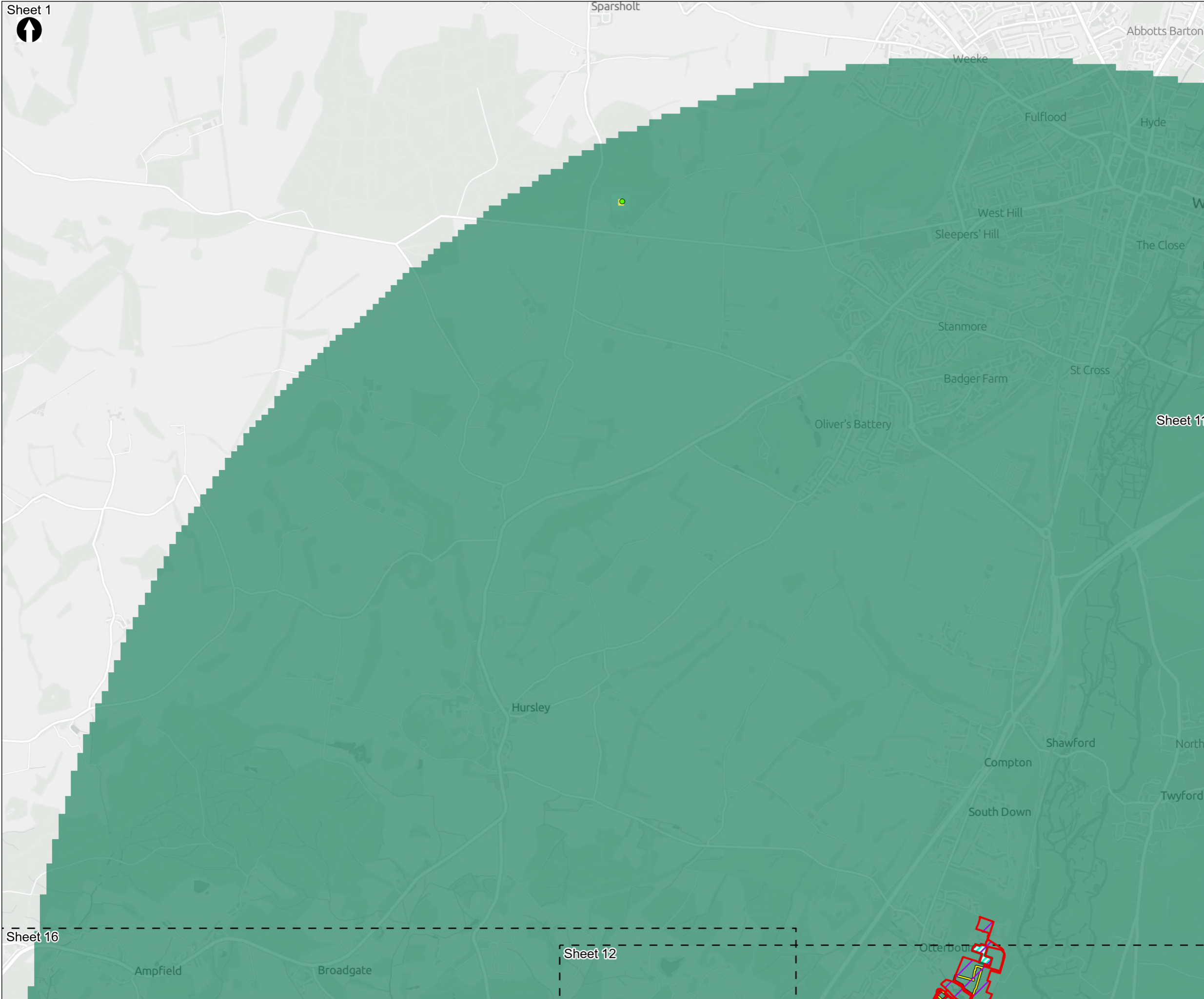
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 14 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |





- Order Limits
- Sheet Extent Boxes 1:30K
- Construction compounds
- Limits of Deviation for Otterbourne INNS Treatment Plant
- Bat Direct Impact Zone
- Bechsteins Observed Presence Locations



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

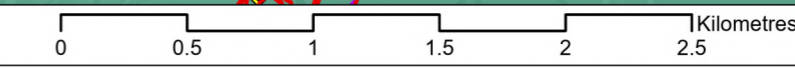
PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project

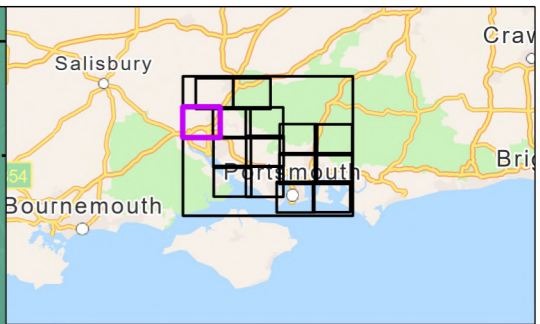
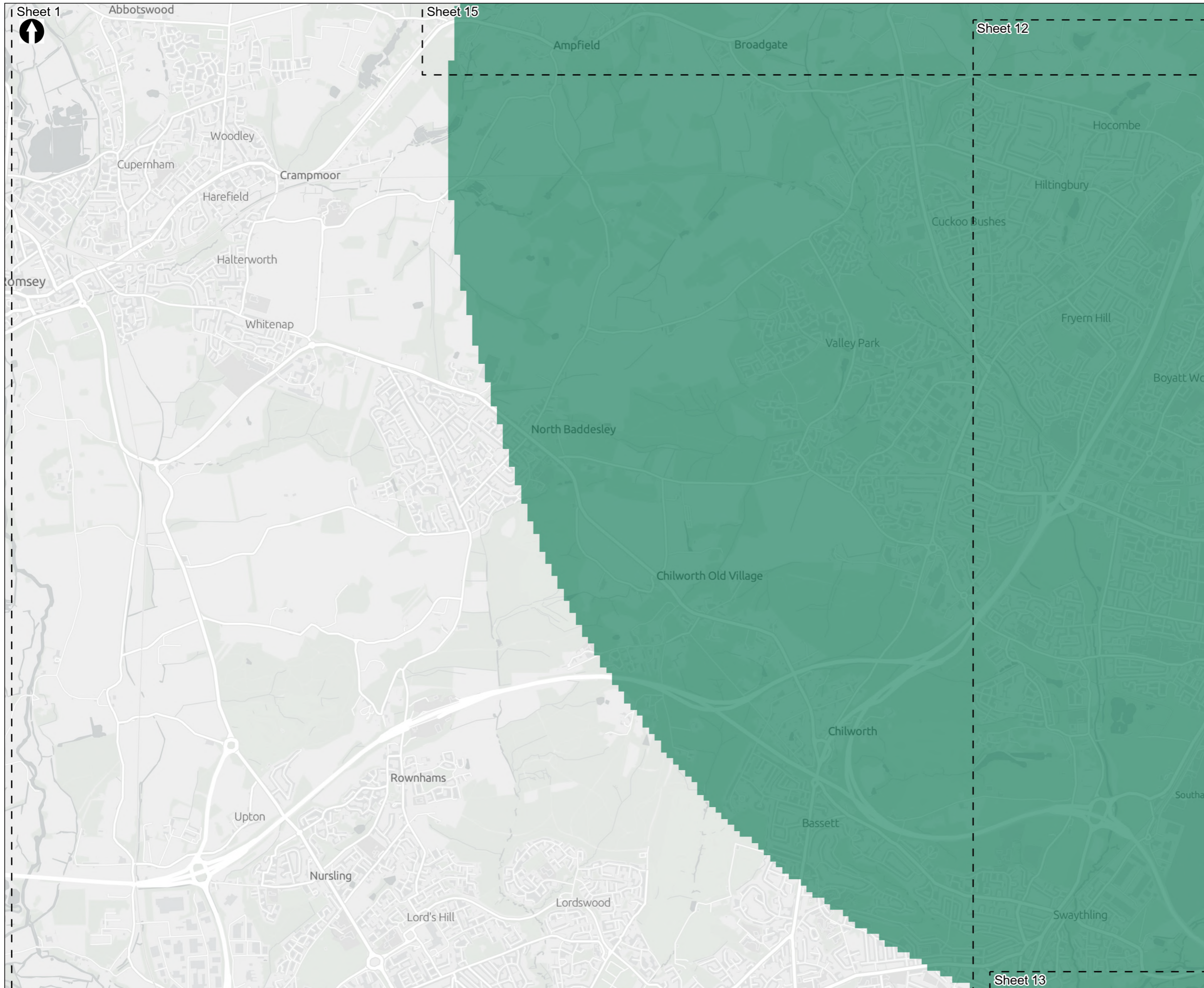


Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 15 of 16

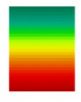
| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |

Drawing Number
PC5223-RHD-ES-ZZ-D-Z-0049





Sheet Extent Boxes 1:30K



Resistance ranges from low (red) through to high (green)

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

PROJECT TITLE
 Hampshire Water Transfer and Water Recycling Project



Figure 8.24
 Habitat suitability modelling output for Bechstein's bat
 Sheet 16 of 16

| | | | |
|--------------------------------|--------------------------|-----------------------|------------------------|
| Drawn MW | GIS Checked DL | Checked MP | Approved AK |
| Scale at A3 1:30,000 | Status Final | Revision 05 | Security STD |

