



Evidence base to inform a car-park strategy and a site users strategy for Cannock Chase

Map Annex

Chris Panter, John Underhill-Day, Damiano Weitowitz & Durwyn Liley

FOOTPRINT ECOLOGY, FOREST OFFICE, BERE ROAD,
WAREHAM, DORSET BH20 7PA
WWW.FOOTPRINT-ECOLOGY.CO.UK
01929 552444



This map annex accompanies a separate report and contains all the relevant maps for the strategy.

Footprint Contract Reference: 460

Date: 21th November 2018 Version: Map Annex. Final

Recommended Citation: Panter, C., Underhill-Day, J., Weitowitz, D. & Liley, D. (2018). Evidence base to inform a car-park strategy and a site users strategy for Cannock Chase. Unpublished report for the Cannock Chase SAC Partnership.

List of maps

- Map 1: Location of Cannock Chase, ANOB boundary and inset map of ownerships.
- Map 2: Map showing recommendations from 2009 work identifying areas where access could be promoted outside the SAC.
- Map 3: Parking locations suggested for closure from the 2009 visitor impact mitigation strategy.
- Map 4: Activities undertaken by interviewees in the 2010/11 survey.
- Map 5: Alternative locations listed by interviewees in the 2010/11 survey.
- Map 6: Distribution of public rights of way.
- Map 7: Distribution of all AONB promoted routes and the two FC advertised routes highlighted.
- Map 8: Distribution of PROW promoted routes and additionally all tracks visualised from OpenStreetMap.
- Map 9: Paths in the SAC audit; including Statutory/Public Rights of Way and permissive paths. Paths not in use and discrete point locations of access issues are also shown.
- Map 10: Paths in the SAC audit; categorised by access condition on the Statutory/PROW paths.
- Map 11: Paths in the SAC audit; categorised by access condition across all types of paths audited to date.
- Map 12: Paths in the SAC audit; categorised by maintenance condition on the Statutory/PROW paths.
- Map 13: Paths in the SAC audit; categorised by maintenance condition across all types of paths audited to date.
- Map 14: Paths in the SAC audit; categorised by evidence of eutrophication beside paths. Shown alongside car parks and visitor centre hubs.
- Map 15: Distribution of AONB brown tourist signage
- Map 16: Distribution of signage in the audit collected to date, covering SROW on the SAC.
- Map 17: All parking locations within Cannock Chase and key land ownerships.
- Map 18: Parking locations categorised by the type of parking.
- Map 19: Parking locations categorised by the number of spaces.
- Map 20: Parking locations categorised by owner and sized by the number of spaces.
- Map 21: Parking locations categorised by those with low scores for parking quality.
- Map 22: Parking locations categorised by anti-social behaviour scores.

- Map 23: Parking locations categorised by the facilities scores.
- Map 24: Parking locations categorised by the average number of vehicles from transects
- Map 25: Suggestions for parking locations from stakeholder interviews.
- Map 26: Extent of the Cannock Chase AONB and of SAC and SSSI designated land in the area
- Map 27: Distribution of heritage features, registered parks and gardens, archaeological features and scheduled monuments.
- Map 28: Density of heritage features shown using a 50 m hexagonal grid, with cells with scheduled monuments automatically given the highest value.
- Map 29: Digital Elevation Model expressed using the 50m hexagonal grid.
- Map 30: the degree of undulation in each 50m hexagonal grid cell.
- Map 31: Habitats scored for the average year round sensitivity to damage by recreation.
- Map 32: Habitats scored for the average year round sensitivity to fire.
- Map 33: Habitats scored for the average year round sensitivity to contamination.
- Map 34: Sensitivity grid using the maximum score in a cell for habitats average year round sensitivity to damage by recreation.
- Map 35: Sensitivity grid using the maximum score in a cell for habitats average year round sensitivity to fire.
- Map 36: Sensitivity grid using the maximum score in a cell for habitats average year round sensitivity to damage by recreation, fire (both in each of the four seasons) and contamination.
- Map 37: Distribution of confirmed or possible/probably breeding locations for Red list bird species within the AONB in 2017.
- Map 38: Distribution of confirmed or possible/probably breeding locations for key sensitive bird species within the AONB in 2017. Confidential raptor records used, but not shown.
- Map 39: Distribution of confirmed or possible/probably breeding locations for key sensitive bird species within the AONB in 2017 expressed using 50m hexagonal grid cells.
- Map 40: Sensitivity map created from average (median values) rank of each cell across the four aspects of sensitivity considered.
- Map 41: Sensitivity map created from average (mean values) rank of each cell across the four aspects of sensitivity considered.
- Map 42: Sensitivity map created from mean rank of each cell across the four aspects of sensitivity considered, overlaid with SAC and SSSI boundaries.
- Map 43: Sensitivity map created from mean rank of each cell across the four aspects of sensitivity considered, overlaid with parking locations and points of interest.

Map 44: Sensitivity map using 750 m cells to resample the 50 m grid cells mean rank values, overlaid with parking locations, sized by the typical levels of use.

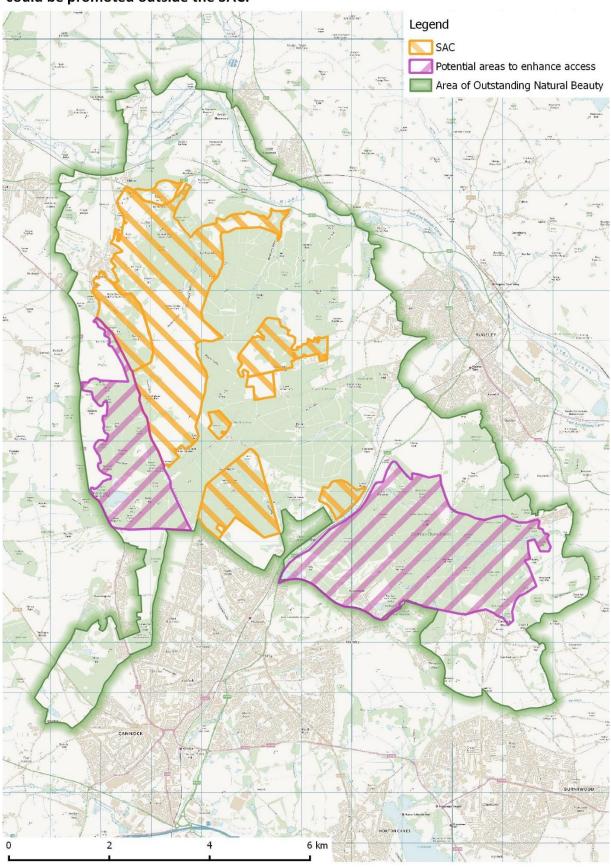
Map 45: Sensitivity map using 750 m cells to resample the 50 m grid cells mean rank values, overlaid with the SAC boundary.

Map 46: Sensitivity map using 750 m cells to resample the 50 m grid cells mean rank values, overlaid with the SAC boundary and parking locations.

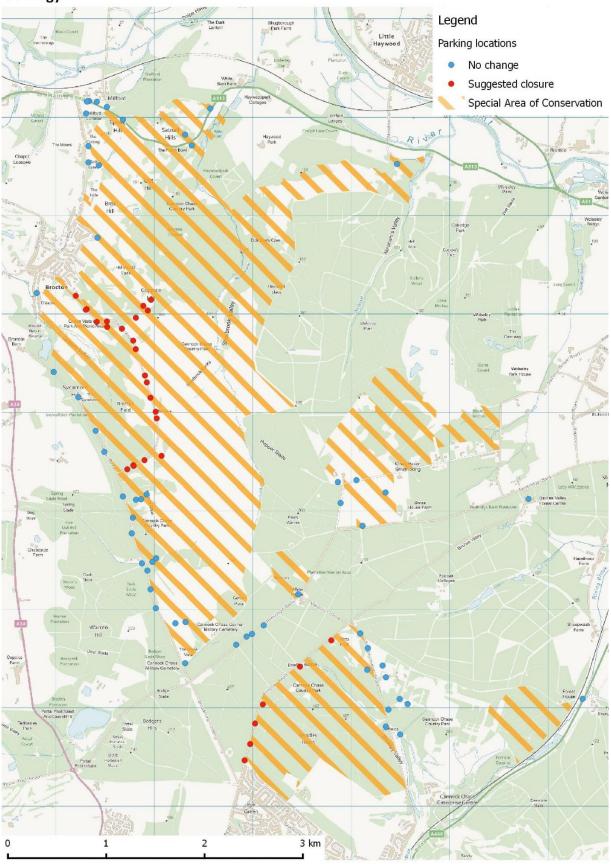
Legend Upper County Council Checkley Forestry Commission erley National Trust Church Staffordshire Wildlife Trust Middleton RSPB (land purchase in progress) Area of Outstanding Natural Beauty Bram Little Stoke Milwich Coton Aston-By-Stone Gratwich afford Burston Ac Fradswell Sandon Grin i∭ ey Yarlet Gayton Whitgre Stowe-by-Chartley Marston Drointon Weston A513 Hopton Hixon Lea Heath Great Tixall Admaston Haywood Rangémor Cross Little Weeping Derrington Cross Haywood Colwich Walton-on-Colton Hadley Blithbur Milford Coppenhall End Hamstall Yoxall Brocton Morrey Ridware Hill Ridware Woodhous Barton-und Bradley Pipe Ridware Dunston Acton Needwo Trussell Mavesyn Ridware Levedale King's Bromley **Orgreave** Armitage Alrewas Rileyhill Penkridge Fradley Whiston Fradley Hazelslade South. Lapley Carmock Wood Hilliard's Hednesford. Littlewort Wimblebur Stretton Chorley Hatherto Heath Hayes Gailey Horsebrook Streethay Chase Terrace Bridgtown BURNTWOOD Crosses Wedge's Mill Norton East Chasetown Hammerwich Whittington Canes | Toll Wyrley Shareshill Landywood Little Chester field BROWNHILLS Hopwas Wyrley Clayhanger Pelsall Stonnall Walsall Wood 0ak ssington **BLOXWICH** Hints Hay Rushall ALDRIDGE Aston Watford Canwell Gap WEDNESFIELD Hall Midd WILLENHALL

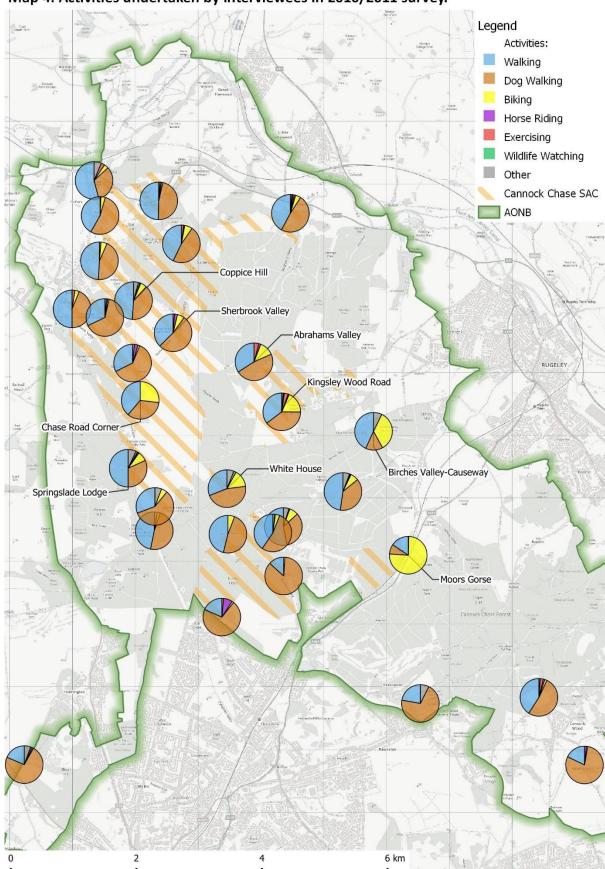
Map 1: Location of Cannock Chase, ANOB boundary and inset map of ownerships.

Map 2: Map showing recommendations from the 2009 work identifying where access could be promoted outside the SAC.



 $\mbox{Map 3}:\mbox{Parking locations suggested for closure from the 2009 Visitor Impact Mitigation Strategy.}$

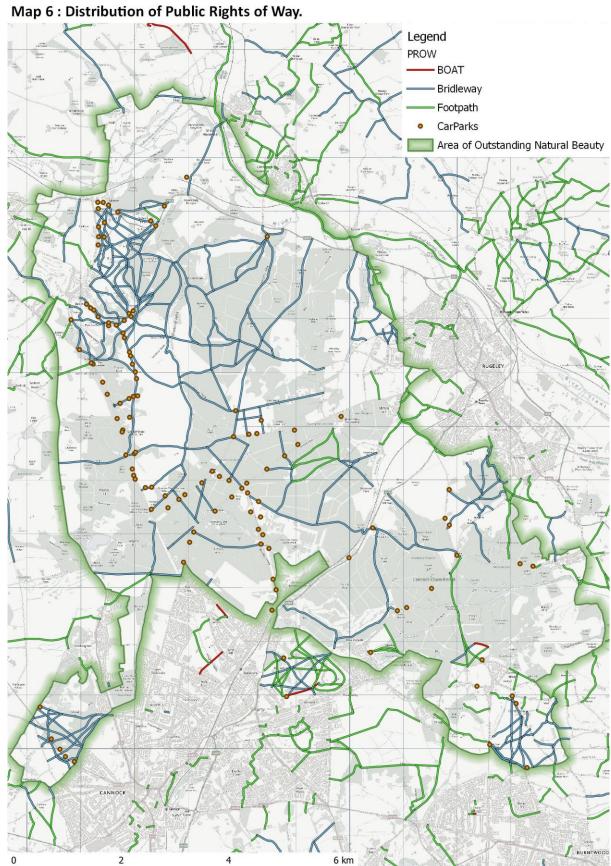




Map 4: Activities undertaken by interviewees in 2010/2011 survey.

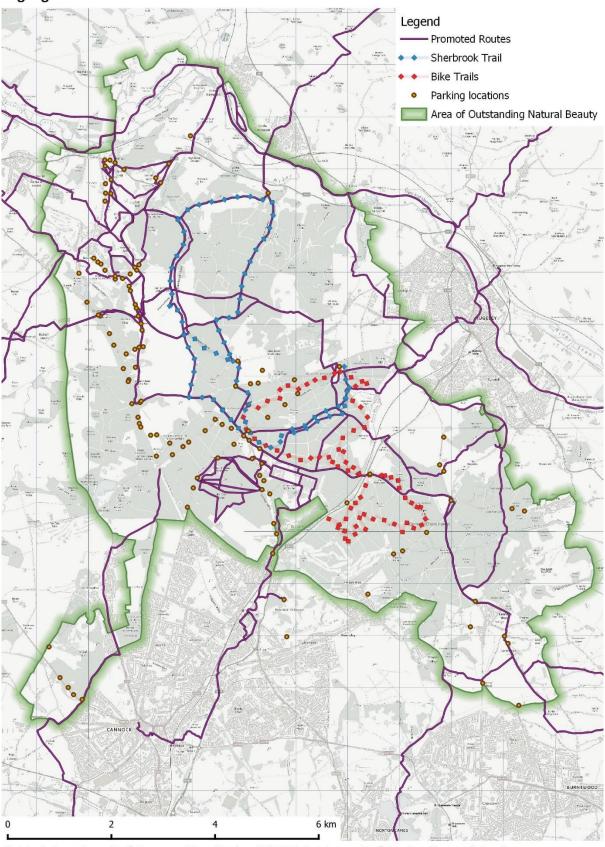
Map 5: Alternative locations listed by interviewees in 2010 / 2011 survey Legend Displacement to Elsewhere on SAC Unknown Outside the SAC Cannock Chase SAC Milford Common Punchbowl Seven Springs The Cutting Stepping Stones **Brocton Hill** Coppice Hill **Brocton Nature Reserve** Sherbrook Valley Chase Vista Chase Road Corner Pashee Farm 2 km Contains Ordnance Survey data © Crown copyright and Database Right 2018.

Contains map data © OpenStreetMap contributors. Terms: www.openstreetmap.org/copyright



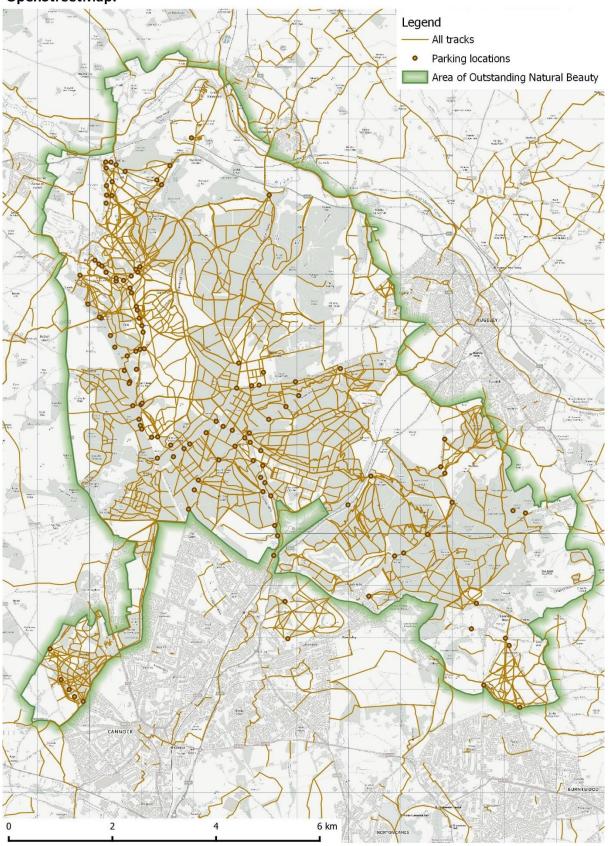
Contains Ordnance Survey data © Crown copyright and Database Right 2018. Contains map data © OpenStreetMap contributors. Terms: www.openstreetmap.org/copyright. Designated site boundaries download from the Natural England website © Natural England. © Staffordshire County Council copyright and database right 2014

Map 7: Distribution of all AONB promoted routes and the two FC advertised routes highlighted.



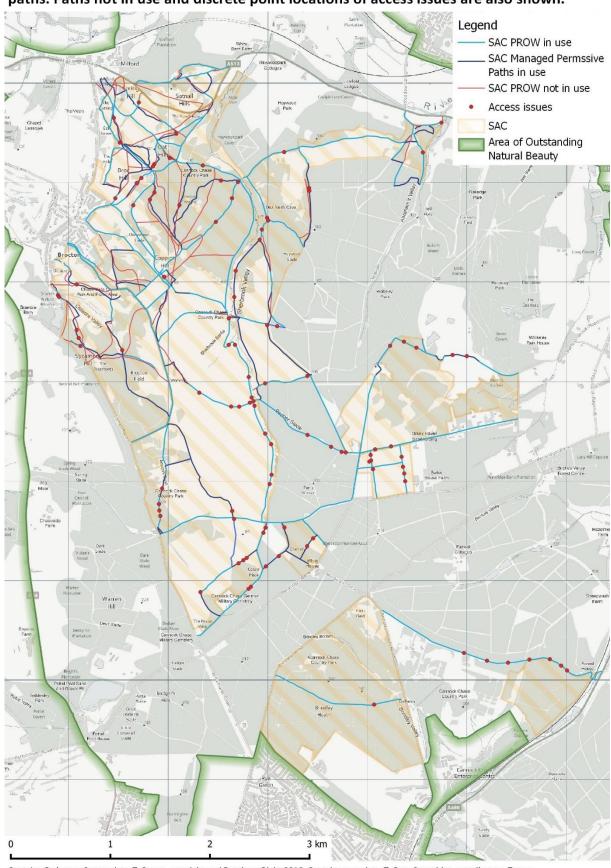
Contains Ordnance Survey data © Crown copyright and Database Right 2018. Contains map data © OpenStreetMap contributors. Terms: www.openstreetmap.org/copyright. Designated site boundaries download from the Natural England website © Natural England. © Staffordshire County Council copyright and database right 2014

Map 8 : Distribution of PROW, promoted routes and additionally all tracks visualised from OpenStreetMap.

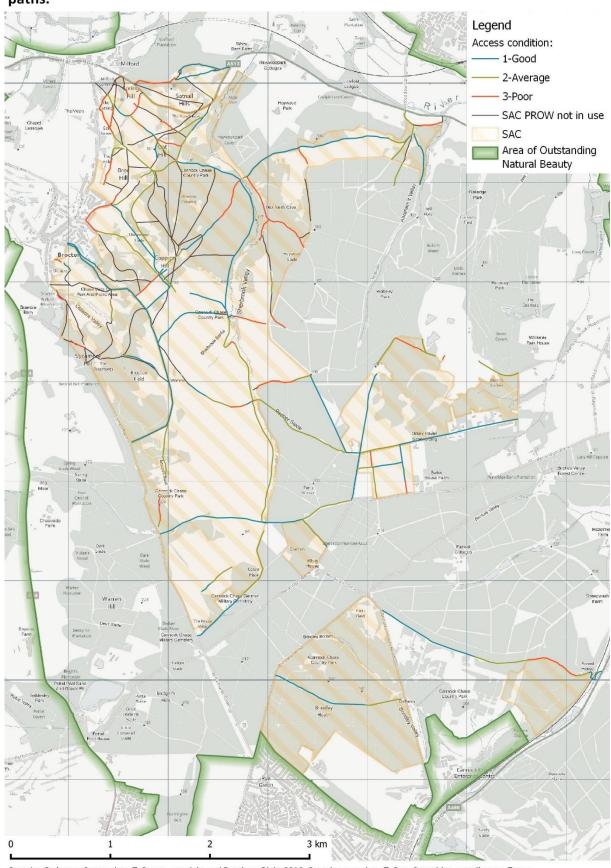


Contains Ordnance Survey data © Crown copyright and Database Right 2018. Contains map data © OpenStreetMap contributors. Terms: www.openstreetmap.org/copyright. Designated site boundaries download from the Natural England website © Natural England. © Staffordshire County Council copyright and database right 2014

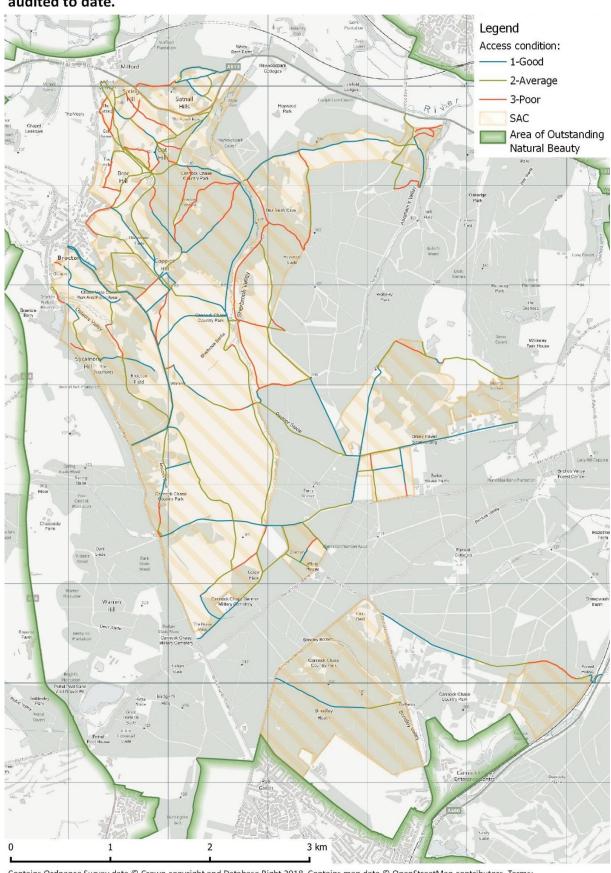
Map 9: Paths in the SAC audit; including Statutory/Public Rights of Way and permissive paths. Paths not in use and discrete point locations of access issues are also shown.



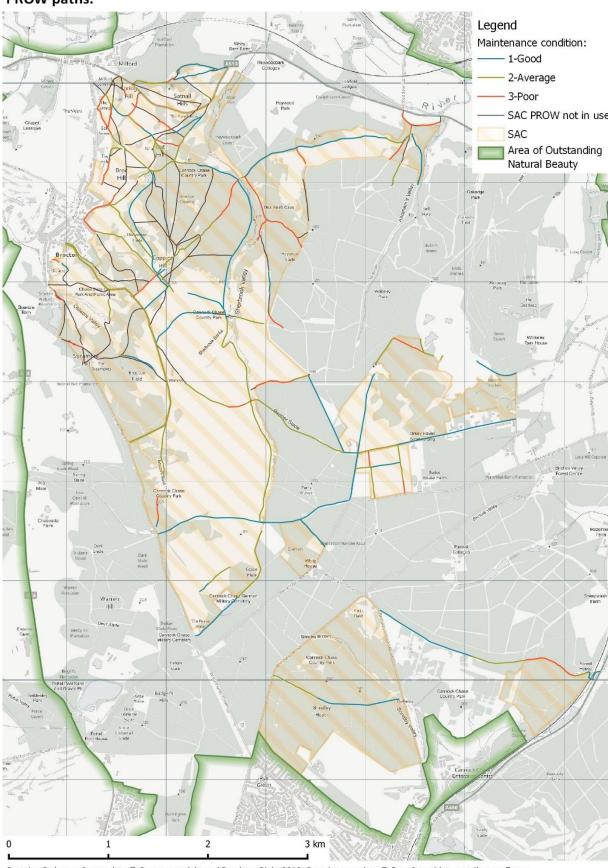
Map 10: Paths in the SAC audit; categorised by access condition on the Statutory/PROW paths.



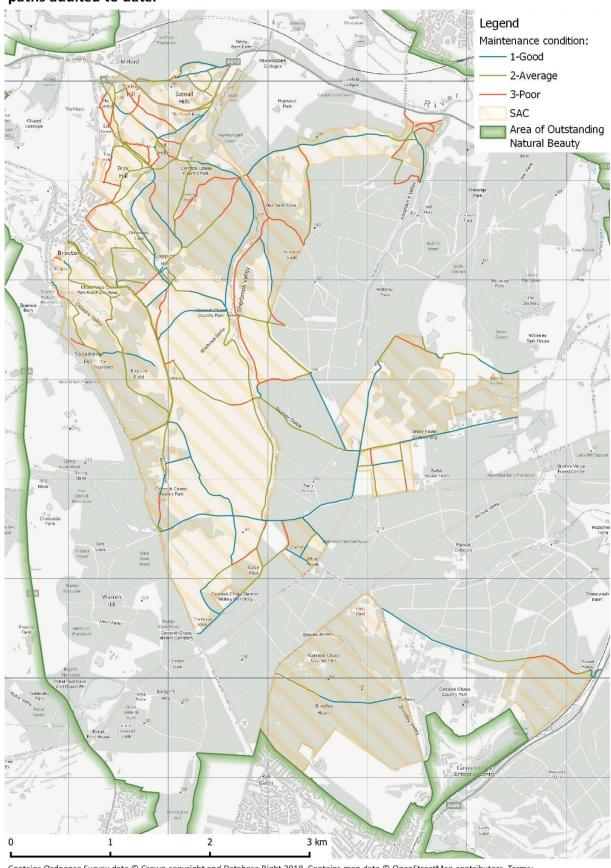
Map 11: Paths in the SAC audit; categorised by access condition across all types of paths audited to date.



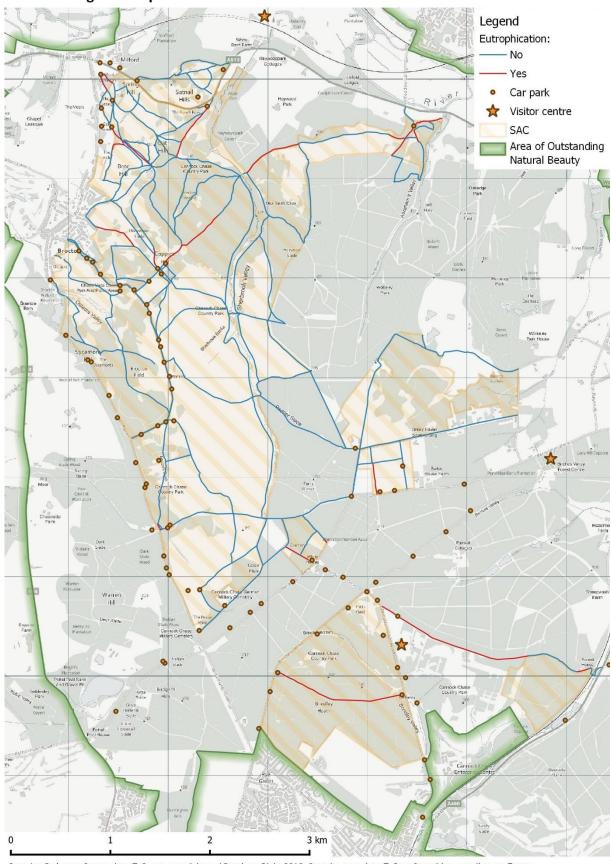
Map 12: Paths in the SAC audit; categorised by maintenance condition on the Statutory/ PROW paths.



Map 13: Paths in the SAC audit; categorised by maintenance condition across all types of paths audited to date.



Map 14: Paths in the SAC audit, categorised by evidence of eutrophication beside paths. Shown alongside car parks and visitor centre hubs.



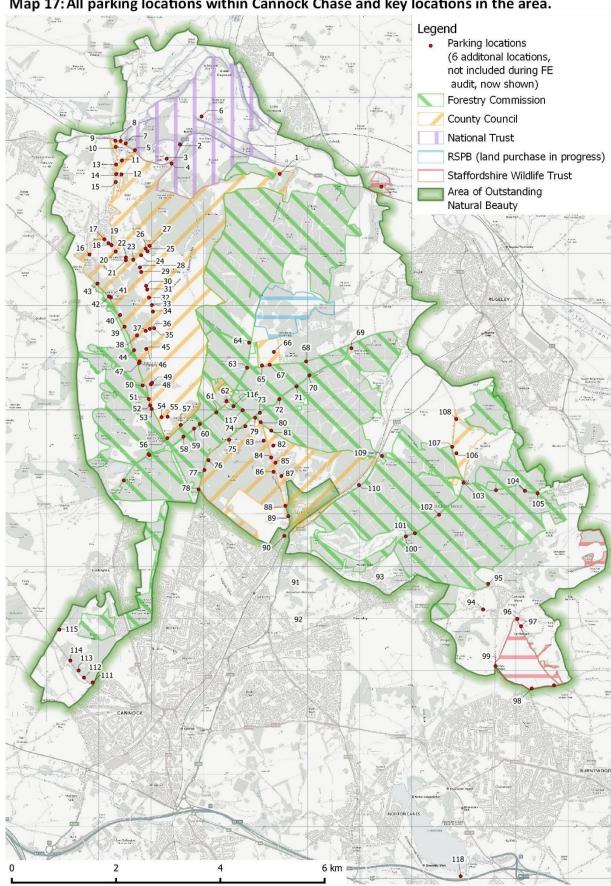
Map 15: Distribution of AONB brown tourist signage. Legend Area of Outstanding Natural Beauty Arrow Information panel 6 km

Contains Ordnance Survey data © Crown copyright and Database Right 2018. Contains map data © OpenStreetMap contributors. Terms: www.openstreetmap.org/copyright. Designated site boundaries download from the Natural England website © Natural England. © Staffordshire County Council copyright and database right 2014

Legend Great Haywoo Type of signage: Information panel Ladder sign Medallion Milestone Way marker Area of Outstanding Natural Beauty 6 km

Map 16: Distribution of signage in the audit collected to date, covering SROW on the SAC.

Contains Ordnance Survey data © Crown copyright and Database Right 2018. Contains map data © OpenStreetMap contributors. Terms: www.openstreetmap.org/copyright. Designated site boundaries download from the Natural England website © Natural England. © Staffordshire County Council copyright and database right 2014

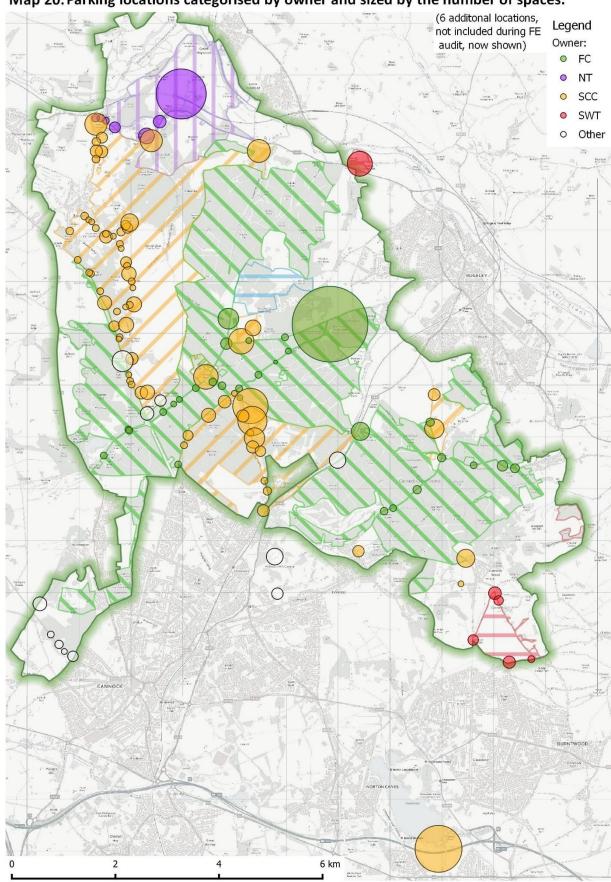


Map 17: All parking locations within Cannock Chase and key locations in the area.

Map 18: Parking locations categorised by type of parking. Legend A gateway Formal parking area Grass/ Dirt verge Informal parking area Layby Note: overlapping points offset as concentric rings

Legend Number of spaces: [124] 0 - 3 [64] 4 - 10 [17] 11 - 20 [21] 21 - 50 [14] 51 - 510 [8] (6 additional locations, not included during FE audit, now shown) 0 0

Map 19: Parking locations categorised by the number of spaces.



Map 20: Parking locations categorised by owner and sized by the number of spaces.

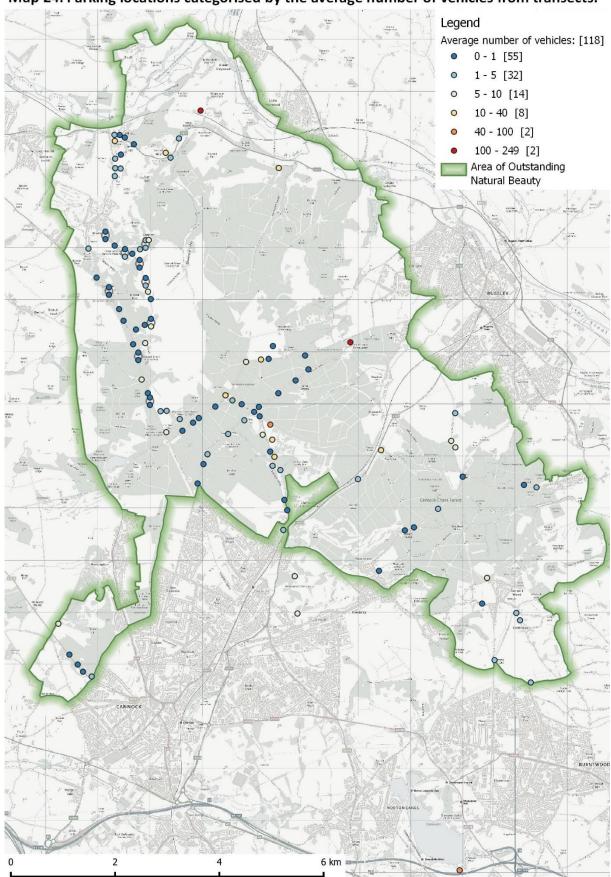
Map 21: Parking locations categorised those with low scores for parking quality. Legend Parking locations: Note: overlapping points, offset as concentric rings Locations scoring below 1 or 2 for surfacing, access surfacing or sight lines Locations scoring above 1 or 2 for all factors 0 0

Anti-social behaviour score

Map 22: Parking locations categorised by anti-social behaviour scores.

Legend Facilities Score 0 1 - 2 3 - 5 6 - 9 10 - 15 0

Map 23: Parking locations categorised by the facilities scores.

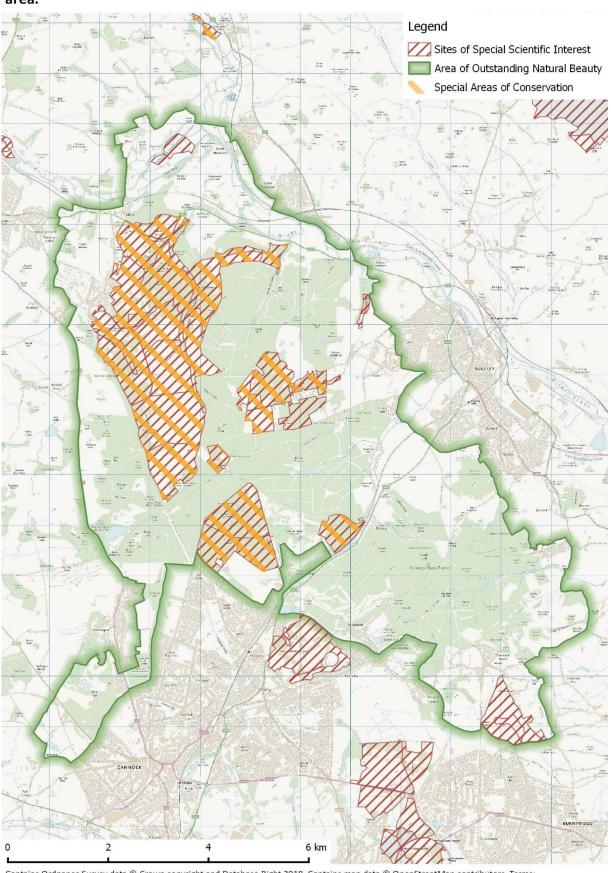


Map 24: Parking locations categorised by the average number of vehicles from transects.

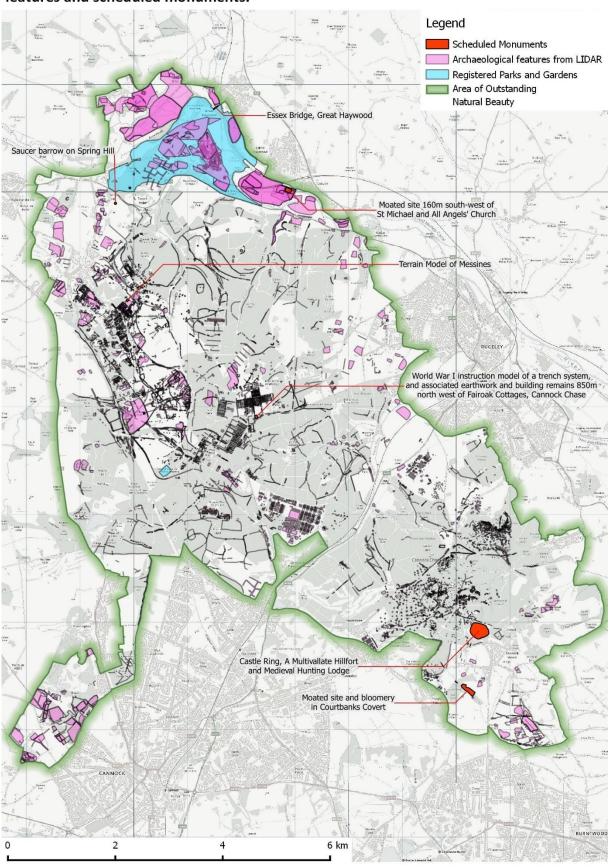
Legend Car Park Changes Already Charging Suggested Charging Suggested Closure No Charging 0

Map 25: Suggestions for parking locations from stakeholder interviews.

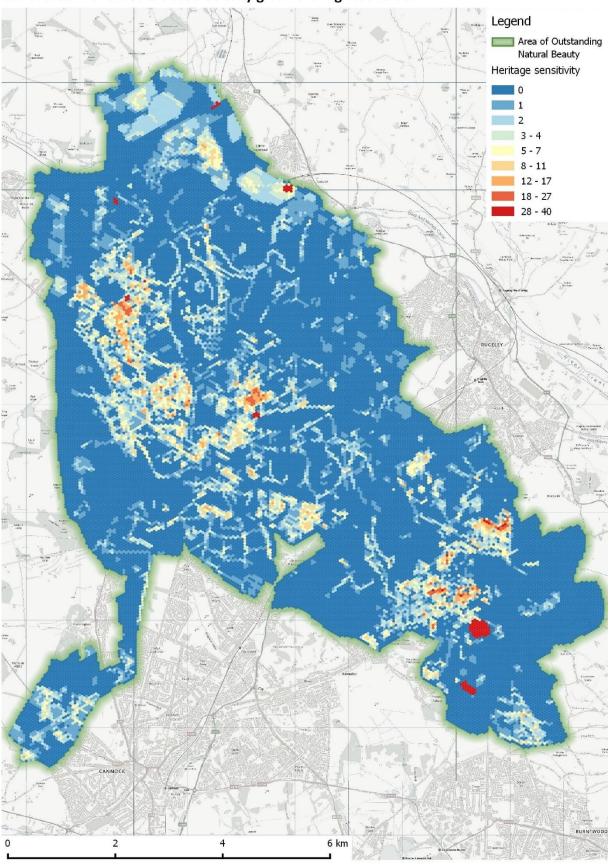
Map 26: Extent of the Cannock Chase ANOB and of SAC and SSSI designated land in the area.

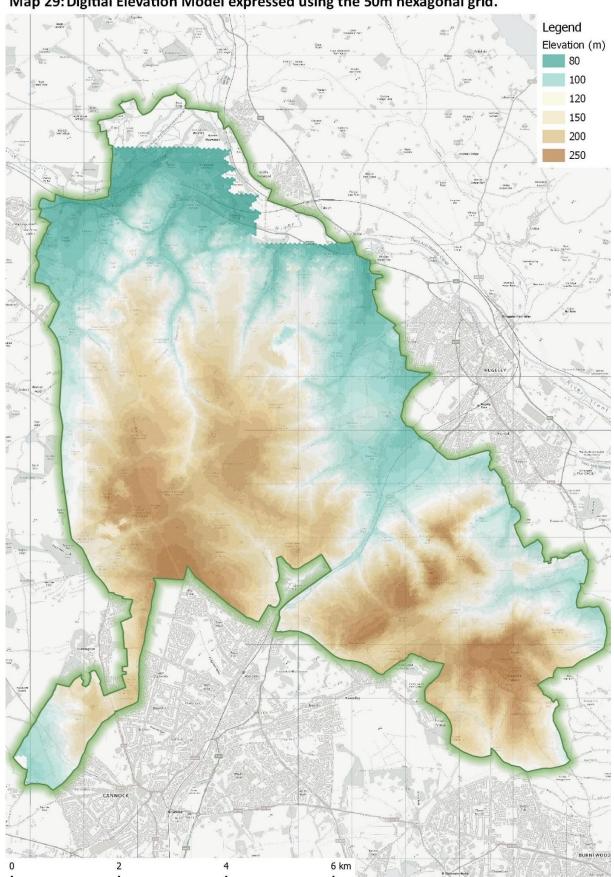


Map 27: Distribution of heritage features; registered parks and gardens, archaeological features and scheduled monuments.

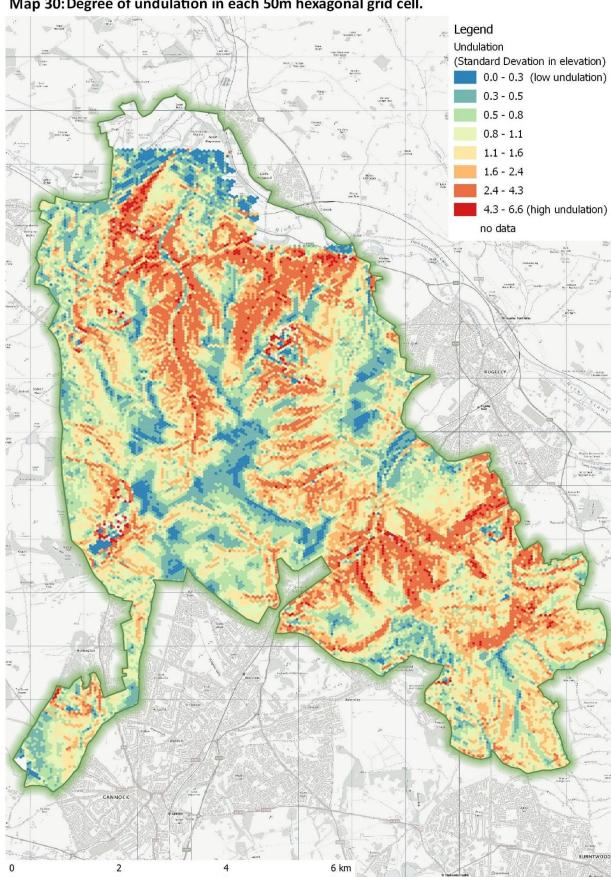


Map 28: Density of heritage features shown using a 50 m hexagonal grid, with cells with scheduled monuments automatically given the highest value.

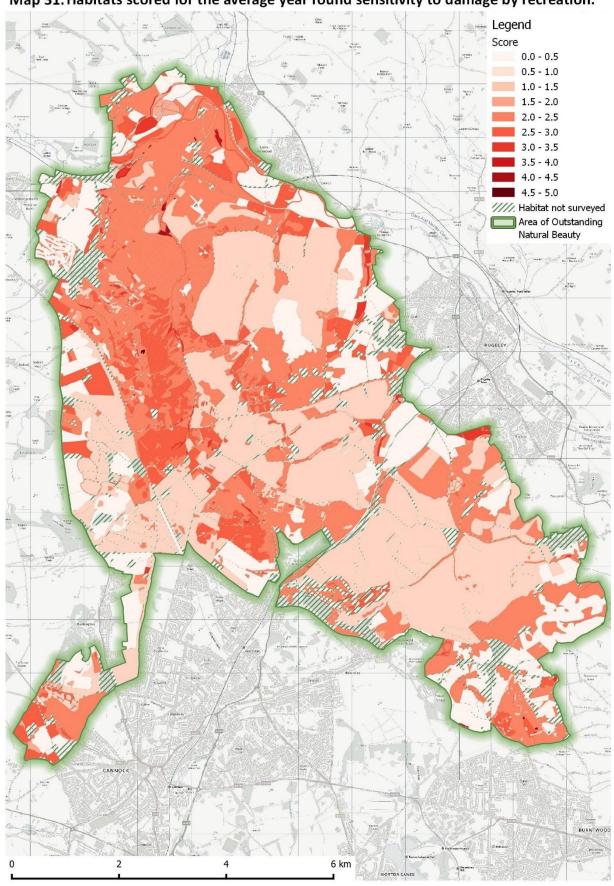




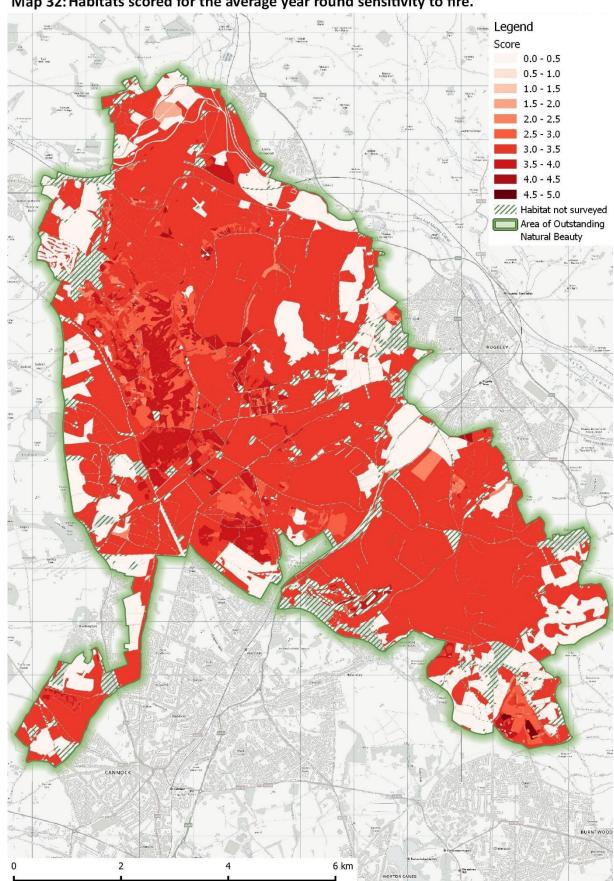
Map 29: Digitial Elevation Model expressed using the 50m hexagonal grid.



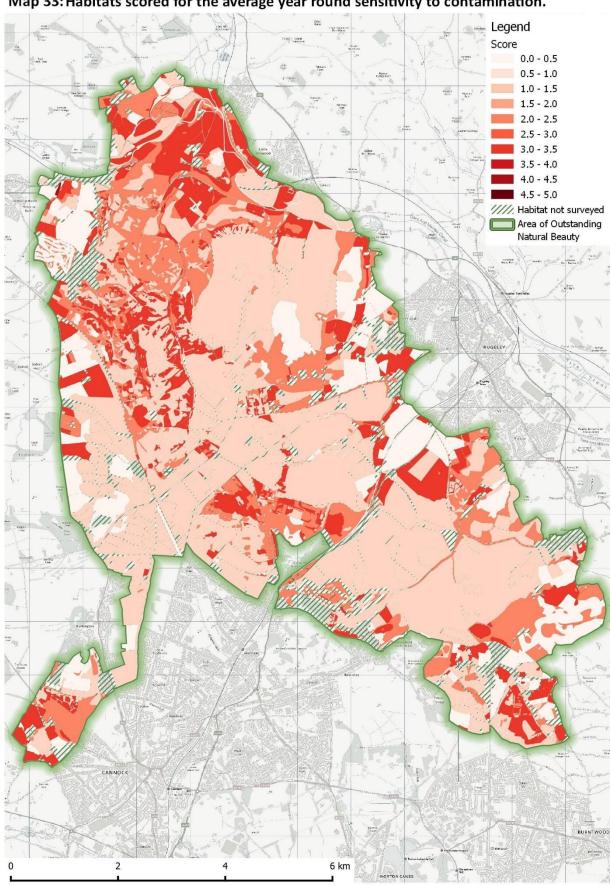
Map 30: Degree of undulation in each 50m hexagonal grid cell.



Map 31: Habitats scored for the average year round sensitivity to damage by recreation.

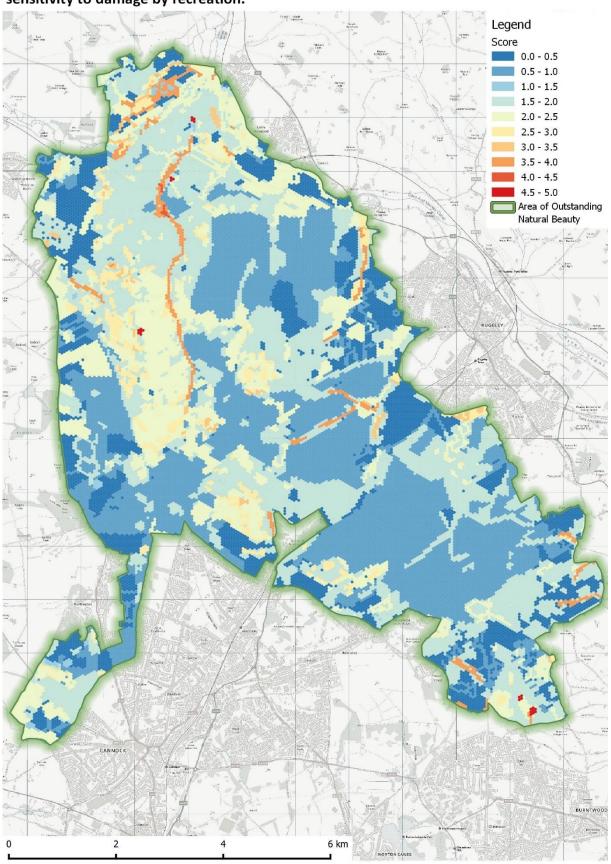


Map 32: Habitats scored for the average year round sensitivity to fire.

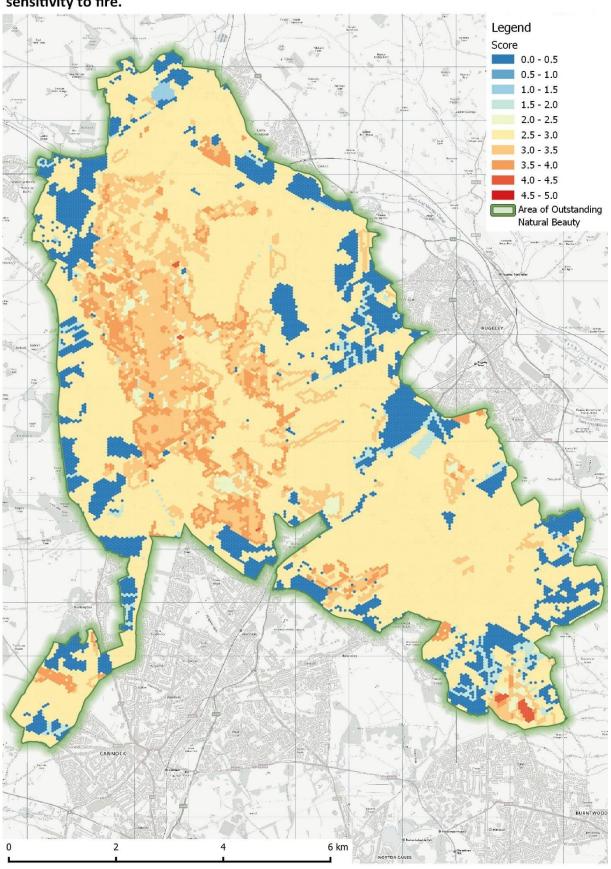


Map 33: Habitats scored for the average year round sensitivity to contamination.

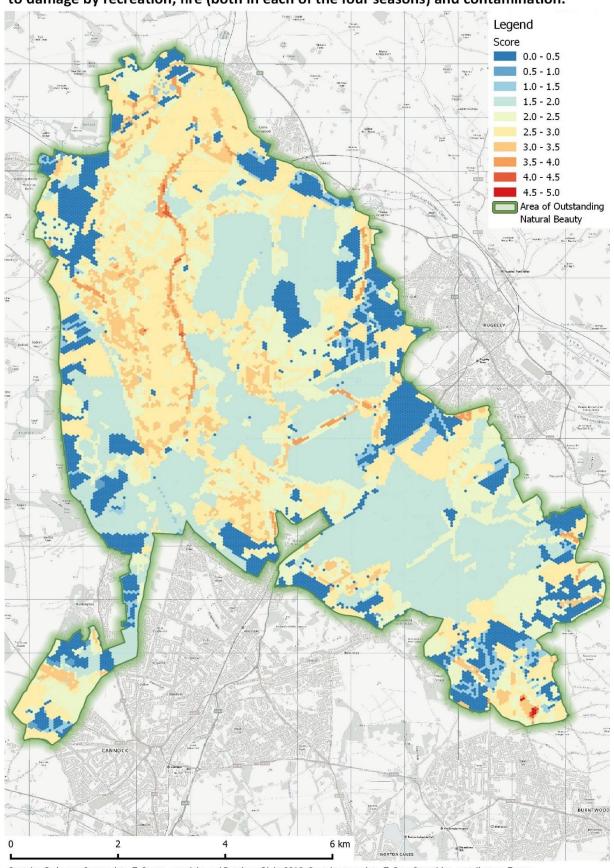
Map 34: Sensitivty grid using the maximum score in a cell for habitats average year round sensitivity to damage by recreation.



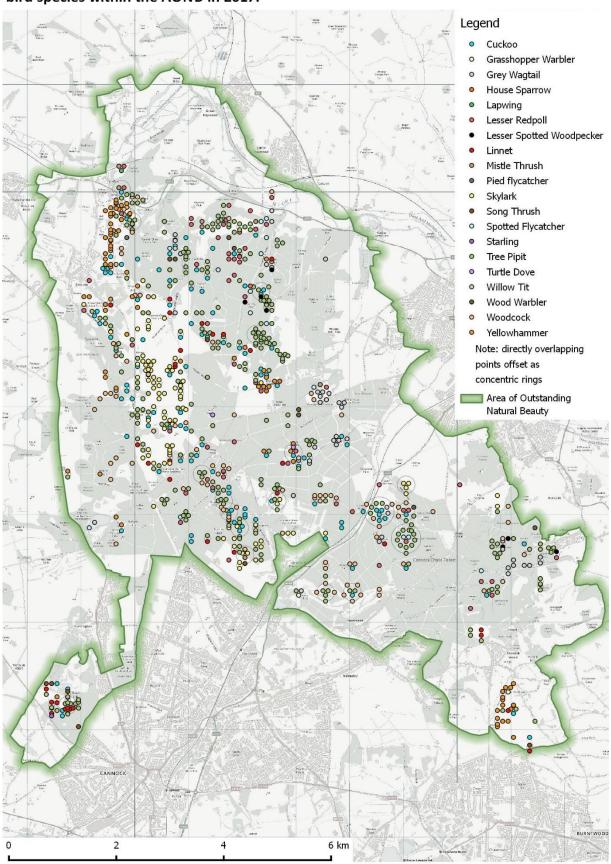
Map 35: Sensitivty grid using the maximum score in a cell for habitats average year round sensitivity to fire.



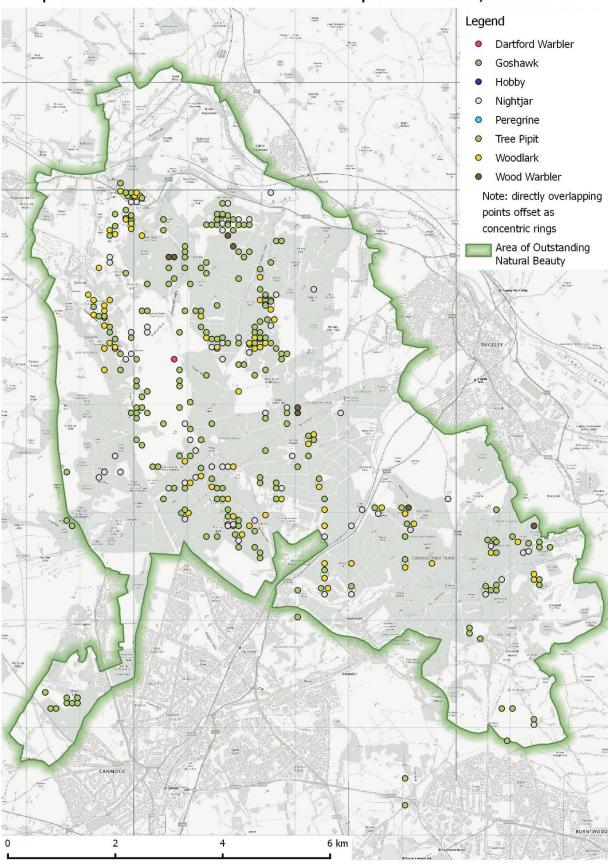
Map 36: Sensitivty grid using the maximum score in a cell for habitats average sensitivity to damage by recreation, fire (both in each of the four seasons) and contamination.



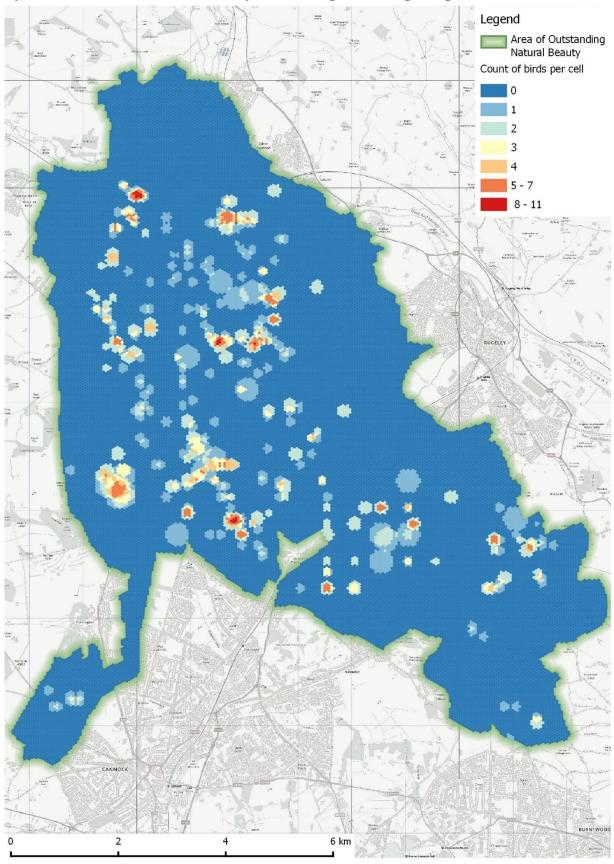
Map 37: Distribution of confirmed or possible/probably breeding locations for Red list bird species within the AONB in 2017.



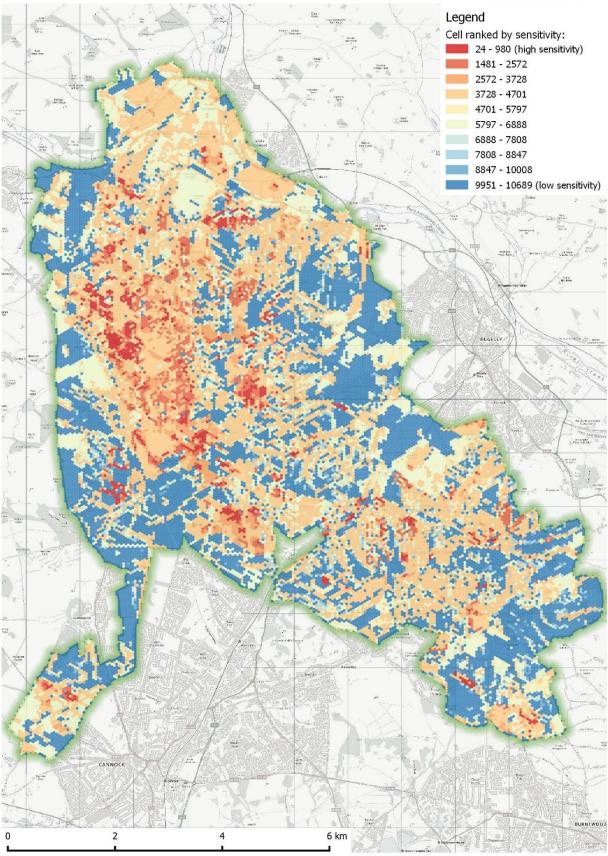
Map 38: Distribution of confirmed or possible/probably breeding sites for key sensitive bird species within the AONB in 2017. Confidential raptor records used, but not shown.



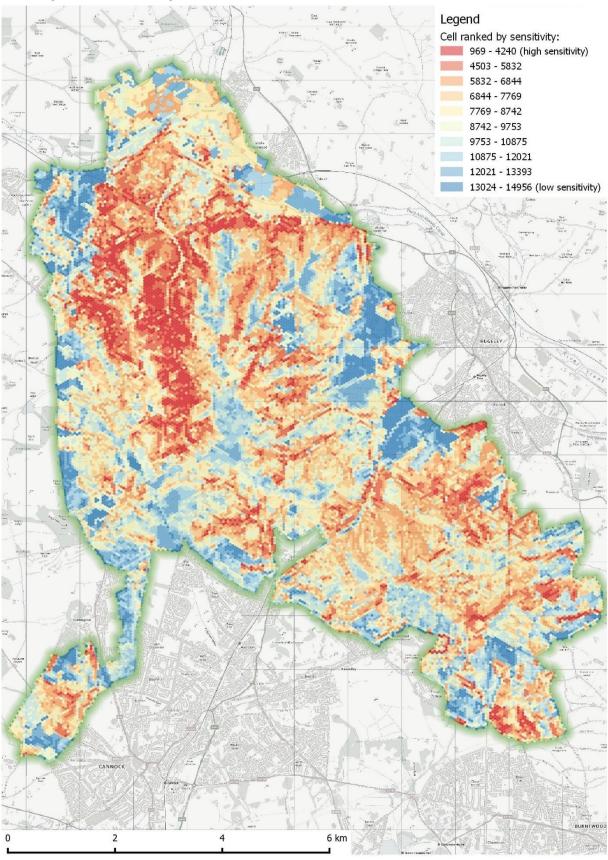
Map 39: Density of confirmed or possible/probably breeding areas for key sensitive bird species within the AONB in 2017 expressed using 50m hexagonal grid cells.



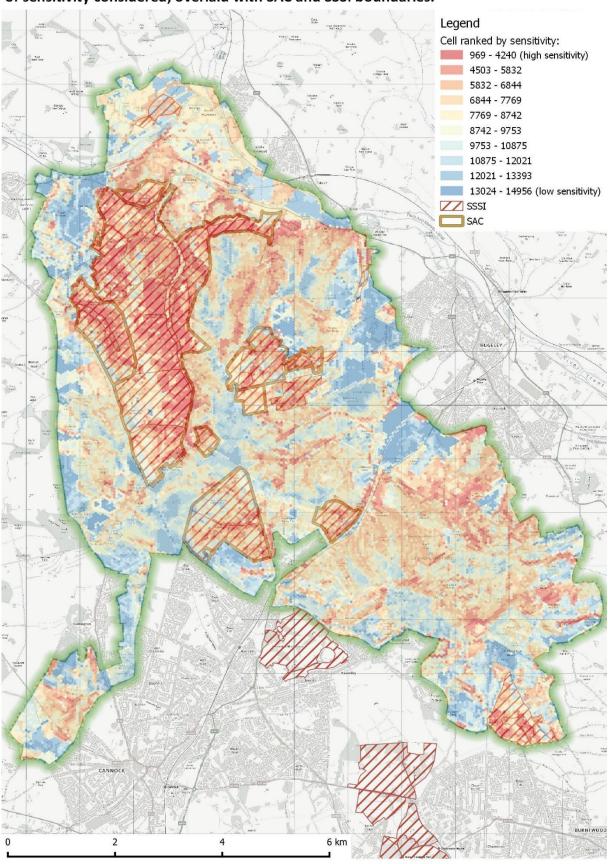
Map 40: Sensitivity map created from average (median values) rank of each cell across the four aspects of sensitivity considered.



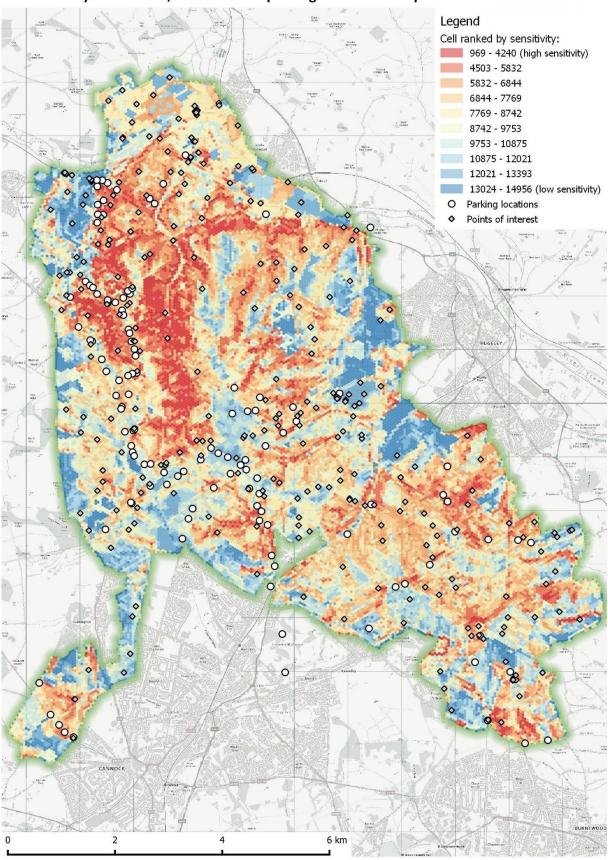
Map 41: Sensitivity map created from average (mean values) rank of each cell across the four aspects of sensitivity considered.



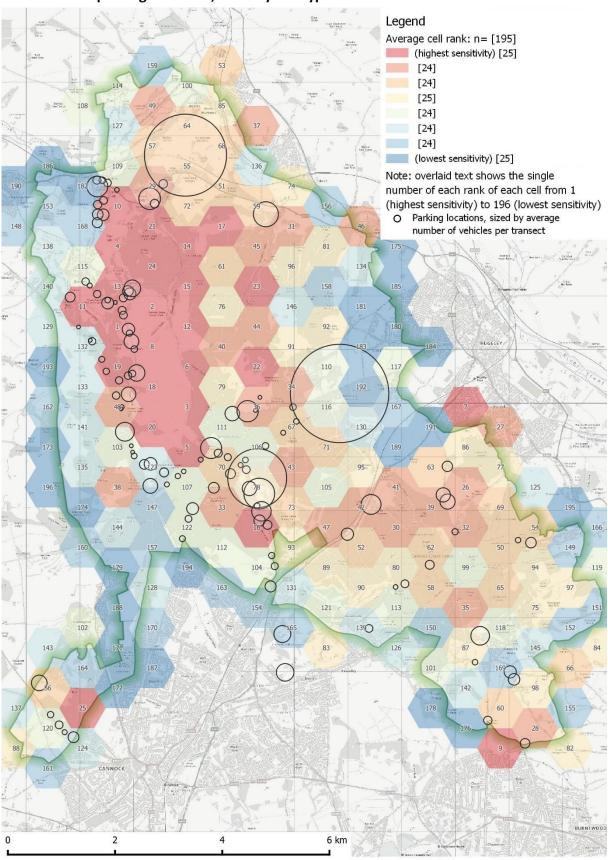
Map 42: Sensitivity map created from the mean rank of each cell across the four aspects of sensitivity considered, overlaid with SAC and SSSI boundaries.



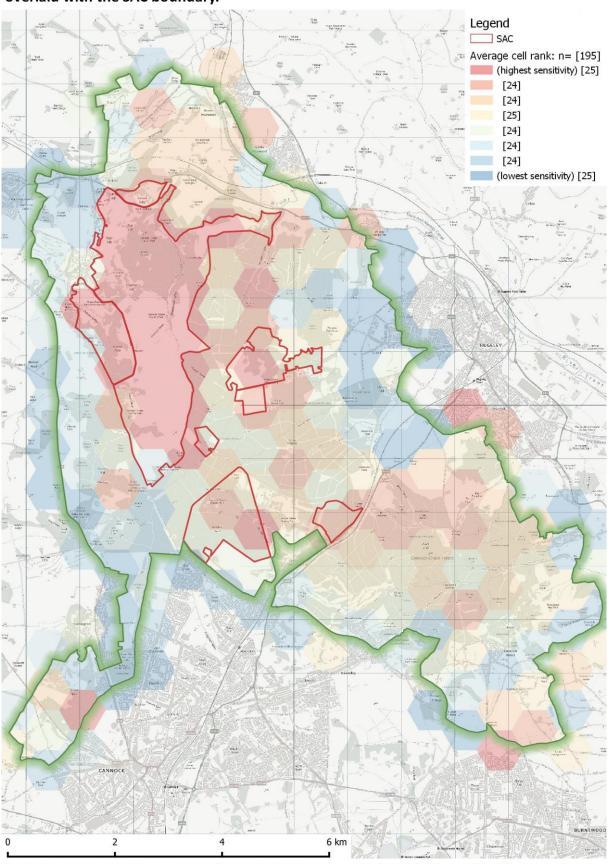
Map 43: Sensitivity map created from the mean rank of each cell across the four aspects of sensitivity considered, overlaid with parking locations and points of interest.



Map 44: Sensitivity map using 750 m cells to resample the 50 m grid mean rank values, overlaid with parking locations, sized by the typical levels of use.



Map 45: Sensitivity map using 750 m cells to resample the 50 m grid mean rank values, overlaid with the SAC boundary.



Map 46: Sensitivity map using 750 m cells to resample the 50 m grid mean rank values, overlaid with the SAC boundary and parking locations.

