

APPENDIX 3: GI DATASETS AND MAPS BY THEME

This appendix sets out the GIS datasets that have been used to map strategic GI within North Somerset (July 2020), and also provides maps showing the breakdown of GI by each of the following themes:

- Water/Blue GI
- Biodiversity and Habitats
- Open Space and Access Routes
- Food growing
- Heritage and Landscape.

Table 7 below provides a list of all the GIS datasets used by theme, and how each theme links to the Strategy Objectives (i.e. the West of England Joint Green Infrastructure Strategy (WoE JGIS) outcomes).

Table 7 - GIS datasets used in the mapping of strategic GI, by theme and linked to WoE JGIS

Theme	Datasets	Data Owner	Data Format	Link to Objectives/WoE JGIS outcomes
Water/Blue GI	Nature Recovery Network (NRN) Wetland	WENP	Shapefile	Sustainable water management
	Groundwater Status	WFD	Hosted Feature Service	
	Operational Sub-Catchments	WFD	Hosted Feature Service	Greater resilience to climate change
	Hydrological Subcatchments	WFD	Hosted Feature Service	
	Potential Barriers to Fish Migration	WFD	Shapefile	
	WWNP Floodplain Reconnection Potential	EA	Hosted Feature Service	Improved and better-connected ecological networks
	WWNP Riparian Woodland Potential	EA	Hosted Feature Service	
	WWNP Floodplain Woodland Potential	EA	Hosted Feature Service	Build a resilient economy
	Flood Zones 2 and 3	EA	Hosted Feature Service	
	Runoff Attenuation Features	EA	Hosted Feature Service	
	Flood Defences	EA	Hosted Feature Service	
	Flood Storage Areas	EA	Hosted Feature Service	
	1 in 30 Year Flood Extent	EA	Hosted Feature Service	
	Source Protection Zones	EA	Hosted Feature Service	
	Surface Water	Ordnance Survey	Geopackage (Zoomstack)	
Main and Minor Waterways	Survey			

Theme	Datasets	Data Owner	Data Format	Link to Objectives/WoE JGIS outcomes
		Ordnance Survey	Geodatabase (OS Open Rivers)	
Open Space and Access Routes	National Cycle Network CRoW - Section 4 Conclusive Registered Common Land Open Greenspace Local Nature Reserves (England) National Nature Reserves National Trust Land - Always Open NRN Greenspace Access Catchments Council Owned Accessible Land Public Rights of Way	Sustrans Natural England Ordnance Survey Natural England Natural England National Trust WENP NS Council NS Council	Shapefile Hosted Feature Service Hosted Feature Service Hosted Feature Service Hosted Feature Service Shapefile Shapefile Shapefile	Health and wellbeing for all Create and maintain sustainable places Build a resilient economy
Food growing areas	Traditional Orchards HAP (provisional) Open Greenspace (Allotments/Community Food Growing) Corine Land Cover Map 2018 (Non-irrigated Arable Land) Higher level Environmental Stewardship Scheme Agreements Agricultural Land Classification Grades - Post 1988	Natural England Ordnance Survey Corine Natural England Natural England	Hosted Feature Service Hosted Feature Service Geodatabase Hosted Feature Service Hosted Feature Service	Support sustainable and local food production Build a resilient economy
Biodiversity and Habitats	NRN Ancient Woodland NRN Woodland Local Wildlife Sites Rewilding Areas National Tree Map B-Lines Ancient Woodlands (England) GCN District Licensing Local Nature Reserves National Nature Reserves	WENP WENP NS Council NS Council Bluesky Buglife Natural England Natural England Natural England Natural England	Shapefile Shapefile Shapefile Shapefile Shapefile Shapefile Hosted Feature Service Hosted Feature Service Hosted Feature Service Hosted Feature Service	Improved and better-connected ecological networks Greater resilience to climate change Create and maintain valued healthy landscape

Theme	Datasets	Data Owner	Data Format	Link to Objectives/WoE JGIS outcomes
	SSSI Special Protection Areas Special Areas of Conservation Habitat Network (Combined) Priority Habitat Inventory Dormouse Records	Natural England Natural England Natural England Natural England Natural England NBN	Hosted Feature Service Hosted Feature Service Hosted Feature Service Hosted Feature Service Hosted Feature Service Shapefile	
Heritage and Landscape	Landscape Character Assessment National Trust Open Data: Land National Character Areas AONB Historic Parks and Gardens Scheduled Monuments Unregistered Parks and Gardens Listed Weirs and Mills Conservation Areas Monuments	NSC National Trust Natural England Natural England Historic England Historic England NS Council NS Council NS Council NS Council	Shapefile Hosted Feature Service Hosted Feature Service Hosted Feature Service Shapefile Shapefile Shapefile Shapefile Shapefile	Create and maintain valued healthy landscape Build a resilient economy

The figures below set out the strategic GI by each theme.