Appendix A

Data Register

Document	Source of Data	Data Flag	Data Quality Score	Incoming Data Supplied
Reference		(See Section 5.1)	(See Section 5.1.2)	
INC001	Environment Agency	EA Local Data	2	EA Geostore – flood zones and defences, main rivers, historic flood maps, areas susceptible to SW flooding, detailed river network, railways, roads, designated sites, LiDAR files, Threshold & Wrackmarks, E-planning tool dataset
INC002	Severn Trent Water	Partner Organisation	2	GIS datasets of STW assets across Shropshire Towns study area
INC003	Environment Agency	EA Local Data	2	EA Geostore – National Receptor Database DatasetsVersion 1.0
INC004	Shropshire Council	Local Authority	2	Historical Flooding Data – GIS data from Shropshire Flood Forums
INC005	Severn Trent Water	Partner Organisation	2	AMP3 GIS datasets on CSOs, Pumping Stations and Balancing Ponds
INC006	Cambridgeshire County Council	Local Authority	1	Extract from glian Water LAMPS database 2003.
INC007	Environment Agency	EA Local Data	1	GIS dataset of the Detailed River Network and inspection reports for structures and bridges in three Shropshire Towns study area
INC008	Shropshire Council	Local Authority	1	Mapping including 50k, address point, aerial photography, historic mapping, Land use, mastermap and streetview mapping (in various forms for 3 Shropshire Towns)
INC009	Shropshire Council	Local Authority	1	GIS dataset of the six Shropshire Flood Forum Areas
INC010	Shropshire Council	Local Authority	1	GIS dataset of all Shropshire watercourses
INC011	Shropshire Council	Local Authority	1	Shropshire – historic flooding records
INC012	Shropshire Council	Local Authority	1	GPS data collated of Gully cleansing Activity
INC013	Shropshire Council	Local Authority	1	GIS Dataset of Points of Interest (crossing on rivers, etc)
INC014	Shropshire Council	Local Authority	3	Asset dataset of SC Assets as of October 2010 – limited entries
INC015	Shropshire Council	Local Authority	1	GIS datsets of Geological maps from Water Cycle Strategy Report
INC016	Shropshire Council	Local Authority	2	GIS datsets of areas at risk of SW flooding maps from Water Cycle Strategy Report
INC017	Environment Agency	Partner Organisation	1	Severn CFMP Policy Unit GIS files
INC018	Environment Agency	Partner Organisation	2	GIS dataset - Reservoirs in and near Shropshire
INC019	Environment Agency	EA National Dataset	1	GIS dataset – Shropshire catchments.

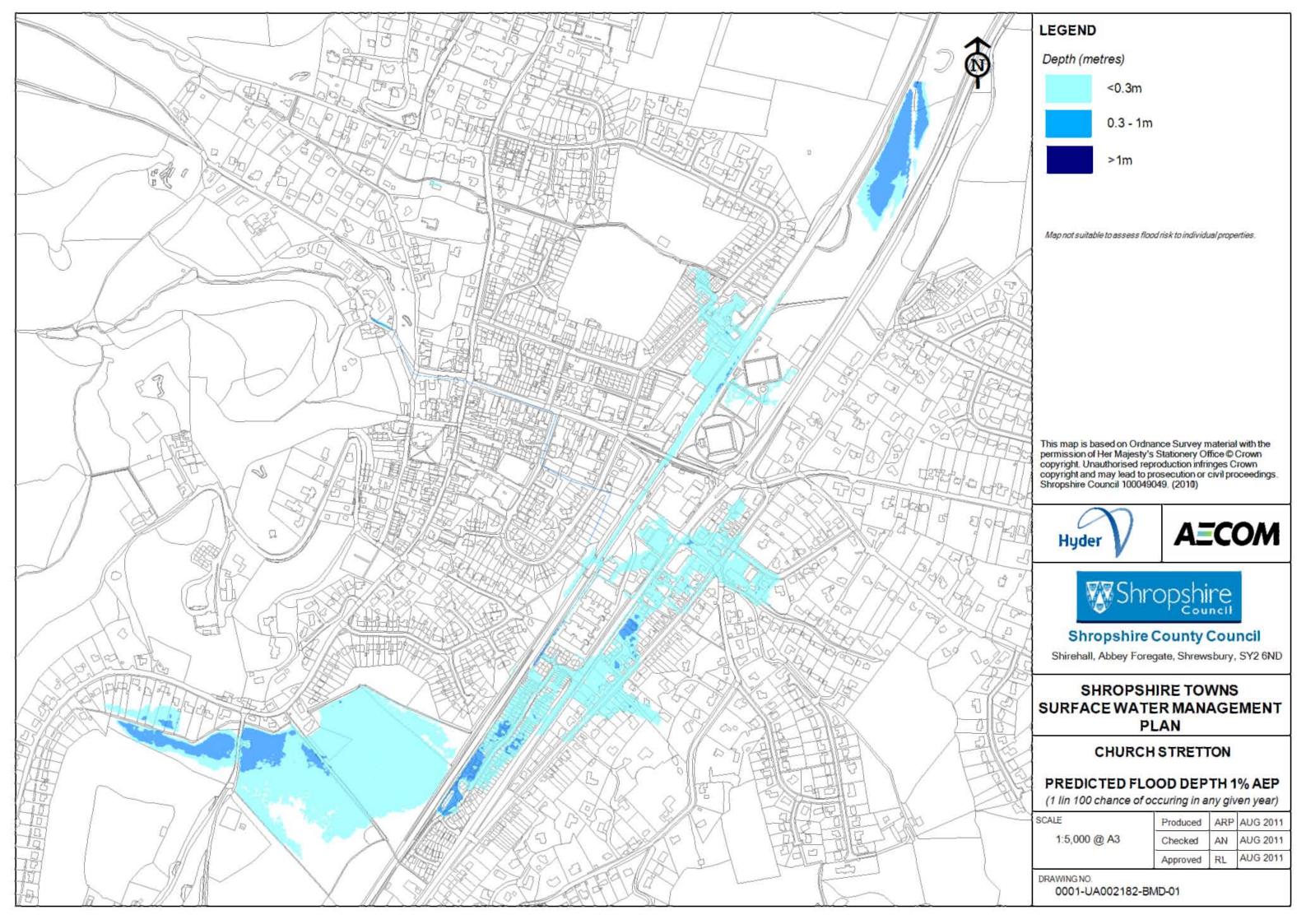
Document	Source of Data	Data Flag	Data Quality Score	Incoming Data Supplied
Reference		(See Section 5.1)	(See Section 5.1.2)	
INC020	Environment Agency	EA National Dataset	1	GIS dataset - Source Protection Zones – 50k
INC021	Environment Agency	EA National Dataset	1	GIS datasets of US Water Management
INC022	Highways Agency	External Data Provider	3	Available asset Data for the three Towns – including the M50 near Shifnal
INC023	Severn Trent Water	Partner Organisation	2	GIS dataset – further
INC024	Shropshire Council	Local Authority	2	Consultation document for Shifnal and Sheriffhales Area Site Allocations
INC025	Shropshire Council	Local Authority	2	Consultation document for Church Stretton Area Site Allocations
INC026	Shropshire Council	Local Authority	2	Former Bridgnorth DC – Level 1 SFRA
INC027	Telford & Wrekin Council	Local Authority	2	Level 2 SFRA
INC028	Shropshire Council	Local Authority	2	Map of flood forum areas
INC029	Shropshire Council	Local Authority	2	Former South Shropshire DC – Level 1 SFRA
INC030	Shropshire Council	Local Authority	2	Photos and drawing of culvert dimensions for Clun Road Railway Bridge
INC031	Shropshire Council	Local Authority	2	Photos and drawing of culvert dimensions for Clun Road Railway Bridge
INC032	Shropshire Council			
INC033	Shropshire Council	Local Authority	2	Comments on Report template
INC035	Shropshire Council	Local Authority	2	GIS dataset of Local Property Gazetteer for Shropshire - extract
INC036	Shropshire Council	Local Authority	2	GIS dataset of SC freehold in Shropshire
INC037	Shropshire Council	Local Authority	2	GIS dataset of substations within Shropshire Towns study areas.
INC038	Environment Agency	Partner Organisation	2	Revised LiDAR (Flown JUNE 2010) for Shifnal
INC039	Environment Agency	Partner Organisation	1	MORECS datasets Square 124 data from 1961 - 2010
INC040	Environment Agency	Partner Organisation	2	2 nd Generation Surface Water Maps (FRMfSW – 30 return period maps)
INC041	Environment Agency	Partner Organisation	1	2 nd Generation Surface Water Maps (FRMfSW – 200 return period maps)

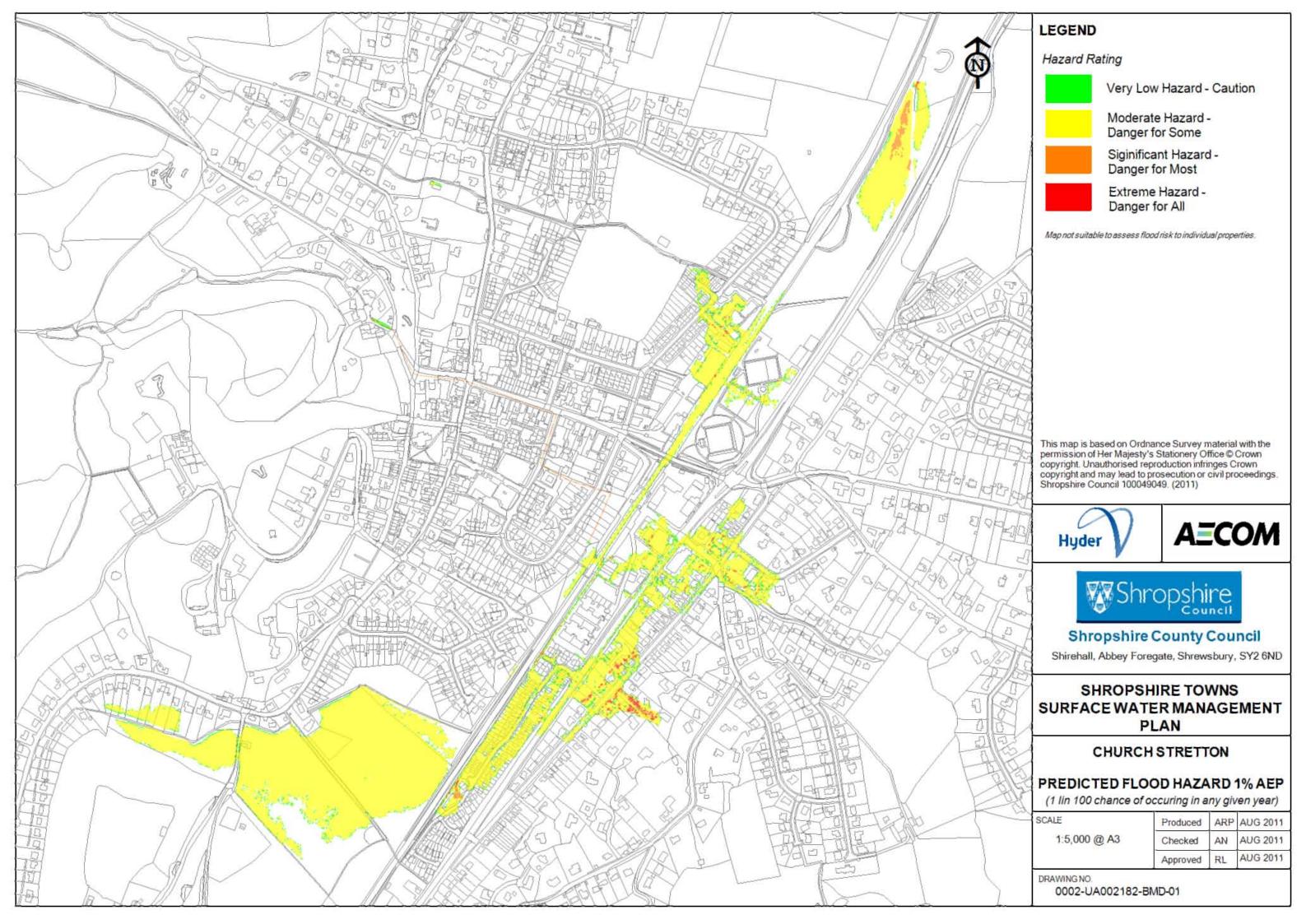
Document	Source of Data	Data Flag	Data Quality Score	Incoming Data Supplied
Reference		(See Section 5.1)	(See Section 5.1.2)	
INC042	Severn Trent Water	Partner Organisation	2	Hydrological & Hydraulic Study of Priorslee Reservoir – October 2010
INC043	Shropshire Council	Local Authority	2	Drawing & Photos of Church Stretton Town Culvert from archives
INC044	Surveyors	External Data Provider	1	Survey of Wesley Brook and Silvermere lake (2010 – 2011)
INC045	Surveyors	External Data Provider	1	CCTV survey of culverts in the Three Towns (2010 – 2011)
INC046	Surveyors	External Data Provider	1	Survey of watercourses in Church Stretton (2010 – 2011)
INC047	Surveyors	External Data Provider	1	Survey of watercourses in Craven Arms (2010 – 2011)
INC048	Natural England	External Data Provider	1	GIS mapping of the Environmental Sites & Receptors
INC049	Environment Agency	Partner Organisation	2	Planned improvements to Flood Warning Services in Midlands West area – Including the Wesley Brook in Shifnal
INC050	Shropshire Council	Local Authority	2	Drawing of new Silvermere Pond high level outfall and culvert
INC051	Shropshire Council	Local Authority	2	Additional topographic and channel survey of watercourse around Park Lane, Shifnal
INC052	Shropshire Council	Local Authority	2	Additional topographic and channel survey of watercourse around Aston Road, Shifnal
INC053	Shropshire Council	Local Authority	2	Details of current sewer re-lining being undertaken in Church Stretton
INC054	Shropshire Council	Local Authority	2	Update of Flood forum information (February 2011)
INC055	Shropshire Council	Local Authority	2	CCTV of Ludlow Road culverts from the EA
INC056	Shropshire Council	Local Authority	2	South West Shropshire Flood Forum Notes of meeting 16/09/10
INC057	Shropshire Council	Local Authority	2	Shifnal and Albrighton Flood Forum Notes of meeting 16/10/10
INC058	Shropshire Council	Local Authority	2	National Order for Surface Water Risk – taken from Envrionment Agency datasets based on Areas Susceptible to Surface water flooding.

Appendix B

Drawings

Flood Depth and Hazard Maps - Baseline





Appendix C

Multi Criteria Analysis Data

C1 Type Weightings

Wesley Crescent Total Wet Spot Score 0 Flood Susceptibility Weighting Number in Suggested Multi Maiority MCM Cod Type of use Wetspot Criteria Weighting Social Clas Unity) Basis of weighting Domestic Properties The overall multi-criteria score is ommensurate with an approximation of the number of household units inundated. Detached Semi-Detached Terrace AB 1 Flat AB Upper middle and middle class Weighting used in the Multi-Coloured Manual. (Relatively easy to apply and can also be applied separately) Lower middle class Skilled working class Working class and those at the lowest level of subsistence Flood Susceptibility Suggested Multi Criteria Weighting Total Score Shallow 610 School/College/University/Nursery 620 Surgery/Health Centre - Urban Surgery/Health Centre - Rural Residential / Care Home Fire/Ambulance station Fire (Regional HQ) Fire station (District) Fire station (Local/Retained)
Ambulance station (Regional HQ)
Ambulance Station Police Station (Constabulary HQ) Based upon estimate of relative importance. Police Station (District HQ) Police Station (Local) Hospitals
Large Regional Hospital (>1000 beds) with A&E
Large Regional Hospital (>1000 beds)
Medium Sized Hospital (\$00 to 1000 beds) with A&E
Large Regional Hospital (\$00 to 1000 beds) with A&E 660 Based upon approximate number of beds within hospital. Small Hospital (200 to 500 beds) with A&E Small Hospital (200 to 500 beds) Cottage Hospital (Up to 200 beds) with A&E Cottage Hospital (Up to 200 beds) Emergency Response Centre Integrated Pollution Prevention Control IPPC (Active) 911 912 913 914 Waste Licence REGIS Site
Historic Landfill Site
Radioactive RAS Sites (Active Licence) 915 Radioactive RAS Sites (Active Disposal)
921/922 Pumping Station (Foul/SW) - Inline 921/922 Pumping Station (Foul/SW) - Inline
921/922 Pumping Station (Foul/SW) - Small TPS
921/922 Pumping Station (Foul/SW) - Trunk TPS
931 Pumping Station (Potable Water)
840 Wastewater Treatment Works
932 Water Treatment 932 Water Treatment Works 0 933 Oil & Gas Refineries 934 935 936 Power Stations Telephone Exchange (High Street) Shop 211 Superstore/Hypermarket Retail Warehouse 213 214 215 216 217 Showroom Kiosk Outdoor market Indoor Market
Vehicle Repair Garage
Petrol Filling Station
Car Showroom 218 221 222 223 224 231 Plant Hire Hairdressing Salon 232 233 234 235 Betting Shop Laundrette
Pub/Social club/wine bar
Restaurant 236 Café/Food Court Post Office Post Office
Garden Centre
Offices (non specific)
Computer Centres (Hi-Tech)
Bank
Warehouse (including store) 238 310 311 320 410 411 Warehouse Electrica Warehouse Non Frozen
Warehouse Frozen
Land Used for Storage
Road Haulage 412 413 420 430 Hotel 511 512 513 514 515 516 Boarding House Caravan Mobile Caravan Static Self catering Unit Hostel (including prisons) 517 518 519 Bingo hall Theatre/Cinema Beach Hut 521 522 523 Sports Grounds and Playing Fields Sports and Leisure centres 524 525 526 527 Amusement Arcade/Park Football Ground and Stadia Mooring/Wharf/Marina Swimming Pool 630 Community Centres/Halls 640 670 680 690 810 Workshop Factory/Works/Mill 820 830 850 920 950 960 Extractive/heavy Industry Sewage treatment works Laboratory Dock hereditament

Electricity Hereditament

General Commercial National Trust Site English Heritage Listed Buildings Site

999

CADW Listed Buildings Site Article 4 Designations		1			0	0	
Article 4 Designations			Flood Su	sceptibility	U	U	
	Number in	Suggested Multi	11000 30	sceptibility	1		
	Wetspot	Criteria Weighting	Shallow	Deep	Total Score	MC Score	
Motorway	Wetspot	500	Silaliow	БССР	0	0	
Trunk Road		400			0	0	The MCA for Transport
County Highway		100			0	0	infrastructure is based upon
Priority Route (to Emergency Services Centres or rural communities)		500			0	0	length affected multiplied by
Railway		600			0	0	weighting. The MCA for 50
Metro / Underground Railway		1			0	0	flooding on the M11 flooded
Tramway		1			0	0	depth of between 0.1 and 0
National (Footpath or Cycle) Trail		1			0	0	would therefore be 100.
713137137 (7131)		_	Flood Su	sceptibility		_	
	Number in	Suggested Multi		,			
	Wetspot	Criteria Weighting	Shallow	Deep	Total Score	MC Score	
Special Area of Conservation (SAC)		25			0	0	
Special Areas of Protection (SPA)		25			0	0	
RAMSAR Site		25			0	0	
Site of Special Scientific Interest (SSSI)		25			0	0	The MCA for Land and Open S
Area of Outstanding Natural Beauty (AONB)		15			0	0	based upon the area affect
National Nature Reserves (NNR)		15			0		multiplied by the weighting. T
County & City Wildlife Site		10			0	0	of weightings has to be consi
County & City Nature Reserve		10			0	0	carefully for this group. For ex
RSBP Reserve		10			0	0	the impact of Surface Wa
WWF Reserve		10			0	0	"Flooding" to wetlands such
Woodland		10			0	0	Norfolk Broads and Wicken Fe
Ancient Woodland, Fens & ESAs (Natural England)		10			0	0	not be consider to be a proble
World Heritage Site		10			0	0	a higher weighting which in
Heritage Coast		10			0	0	that it is detrimental may
English Heritage Battlefield Site		10			0	0	necessarily be valid. SACs, S
National Park		10			0	0	RAMSAR sites may all fall with
County Park		10			0	0	category and if flooding is
Parks and Gardens of Special Historical Interest		10			0	0	consider detrimental they m
Scheduled Ancient Monuments (SAMs)		10			0	0	excluded from the analysis
Grade 1 Agricultural Land		5			0	0	assigning a flood susceptib
Grade 2 Agricultural Land		4			0	0	weighting of 0 if appropria
Grade 3 Agricultural Land		2			0	0	
Grade 4 Agricultural Land		0			0	0	
Grade 5 Agricultural Land		0			0	0	
Non-Agricultural Land		0			0	0	· ·