

# Appendix A

## **Flood risk problem location database**

ID	Problem Location	Sub-catchment	Description of problem\comments	Mechanism	Authority responsible	Source	Flooding Dates	Ref (data register)	Council
EPNC01	Ince Marsh	Lower Weaver	Gowy runs through marshland and refinery/works area. Risk extends over M56 from FZ map.	Low-lying in flood plain. Fluvial and tidal	EA	Fluvial and Tidal		23	EPNBC
EPNC02	Stanlow	Gowy	Oil refinery and sewer works at risk on low elevation land, many tributaries present including Mill Brook, Thornton Brook and River Gowy but main risk is tidal, from the Mersey. The tidal limit is Folley Gate. Shown on FZ map. Recent scheme completed therefore there should be a low risk.	Low-lying in flood plain. Fluvial and tidal	EA	Fluvial and Tidal		23	EPNBC
EPNC03	Ellesmere Port, Stanlow	Gowy	North Ditch tributary to Gowy. Problems with the pumping station and tide flap at the Gowy outfall. Ref 50= 60cm deep fluvial flooding of light industry (Garth Rd off Bridges Road).	pumping station failure	Ellesmere Port and Neston	Fluvial	April 1971, 2000	67 and 50	EPNBC
EPNC04	Sutton		Sutton east of Capenhurst is affected by land drainage problems. This includes ditch and French drain problems. There has been recent development around here..	Land drainage		fluvial			EPNBC
EPNC05	Parkgate & Little Neston	Dee	High tides in the Dee resulted in flooding to small areas immediately adjacent to the estuary marshes at Parkgate and Little Neston	Tidal overtopping	epnbc	River dee tidal		EPNBC report 2.2	EPNBC
EPNC06	Marsh Cottage, Denhall Lane, Ness	Dee	Flooding due to high, wind assisted, spring tides. Owners have tried to reduce the impact through various measures. It is considered that this property will always be at risk.	Tidal overtopping	epnbc	River dee tidal		EPNBC report 2.3	EPNBC
EPNC07	Denna Hall	Dee	Grounds of Denna Hall are sometimes subject to tidal flooding.	Tidal overtopping	epnbc	River dee tidal		EPNBC report 2.4	EPNBC
EPNC08	Farmers Heath	Rivacre Brook	Internal property flood from overtopping of Rivacre Brook at Farmers heath in Great Sutton. Also flooding due to land drainage runoff from adjacent field at Green Lane.	Fluvial overtopping	EA	Fluvial, Rivacre Brook	30/10/01 and 03/07/00	EPNBS report 3.1.3 and App 2.4	EPNBC
EPNC08	Manor Park Drive, Great Sutton	Rivacre Brook	Internal property flood from overtopping from Rivacre Brook at Manor Park Drive, Great Sutton.	Fluvial overtopping	EA	Fluvial, Rivacre Brook	30/10/01 and 03/07/00	EPNBS report 3.1.3	EPNBC
EPNC08	Kendal Drive	Rivacre Brook	Flood history from blocked culvert on Rivacre Brook. Telemetry at Ascot Drive and other improvement works by EA has improved matters.	Blocked culvert	EA	Fluvial		EPNBC report 3.1.6	EPNBC
EPNC09	Neston Road, Willaston	Ordinary watercourse	During heavy rainfall serious flooding can take place in Neston Road and Ness Acre Lane area. Blockages in highway drain. Works undertaken to reduce the risk of flooding but problem still there.	Culvert blockage	epnbc	ordinary fluvial	early 1990s, Oct/Nov 2000	EPNBC report 3.2.3	EPNBC
EPNC10	Halton Road	Rivacre Brook trib	During extreme rainfall events external flooding and highway flooding occurs. Possibly due to high siltation levels within the culvert.	Culvert capacity	epnbc	ordinary fluvial		EPNBC report 3.2.7 and Appen 2.3	EPNBC
EPNC11	Newbridge Road	Little Stanney Drain	Little Stanney Drain accepts runoff from a large area. Storage ponds have now been provided adjacent to the drain.	drain capacity	epnbc	ordinary fluvial		EPNBC report 3.2.8	EPNBC
EPNC12	Church Lane Neston	Stanney Brook	Serious internal property flooding in the past due to a blocked culvert.	Blocked culvert	epnbc	ordinary fluvial		EPNBC report 3.2.10	EPNBC
EPNC12	Stanley Fields park, culvert under railway	Stanney Brook	Restricted flows within the culvert beneath Bidston to Wrexham railway results in flooding.	culvert capacity	epnbc	ordinary fluvial		EPNBC report 3.2.10 drawing OW004	EPNBC
EPNC12	Flint Drive	Stanney Brook	Flooding as a result of a blocked culvert grate.	Blocked culvert	epnbc	ordinary fluvial		EPNBC report 3.2.10	EPNBC
EPNC13	Stanlow	Gowy	North Ditch Tidal Defeat Pumping Station. The 3 pumps are inoperable and beyond economic repair. Only a single pump is in operation and this is undercapacity. High tides from the Gowy can combine to increase the flood risk	Backing up of drains.	epnbc	tidal/fluvial		EPNBC report 3.2.9	EPNBC

ID	Problem Location	Sub-catchment	Description of problem\comments	Mechanism	Authority responsible	Source	Flooding Dates	Ref (data register)	Council
EPNC14	Hooton Cross Roads		Undercapacity combined sewer. The sewer surcharging is exacerbated by land drainage problems the source is runoff from adjoining fields. Derwent Drive = land drainage from runoff, Hooton Green and Chimneys hotel = sewer flooding. Hooton cross roads, Hooton Road and Woodcote hotel flooded during minor rainfall events. Main reason is poor land drainage and lack of maintenance on culverted watercourse. Land drainage is entering the combined sewer which has insufficient capacity to take this.	sewer capacity, land drainage, culvert capacity	UU	sewer, runoff	Oct/Nov 2000	EPNBC report 4.4 and Appendix 2.2	EPNBC
EPNC15	Neston, Leighton Road		Due to intense rainfall surcharging of the undercapacity combined sewer in Leighton Road has led to serious external, internal and highway flooding.	sewer capacity	UU	sewer	Oct/Nov 2000	EPNBC report 4.5	EPNBC
EPNC16	Wood Lane, Parkgate	neston	Ordinary watercourse has a history of flooding in the Moorfield Drive Carlton Close and Hawthorn Road area dating back to early 1970s. Includes Brook Lane and Wood Lane. Due to pipes/culvert with insufficient capacity and blockages.	culvert capacity	epnbc	fluvial	Oct/Nov 2000	EPNBC report Appendix 2.1.2	EPNBC
EPNC17	Hooton Road	Dibbingsdale Brook	Blocked culvert grate as Dibbingsdale Brook passes under the M53.	Culvert blockage					EPNBC
EPNC19	Neston		Historic flooding during storm.				Oct/Nov 2000		EPNBC

# Appendix B

## **Development sites**

## EPNBC

Source of potential allocation	*Potential land use	Official Reference	FM Reference	Area Ha	Location	Timescale	**Number of dwellings	Coordinates
Urban Potential Study Report (May 2006)	Housing	2	EPNH1	18.125	Rossfield Rd	1-5 years	500	338992E 376847N (N53:17:06 W2:54:60)
		9	EPNH2	0.810	Catchpole site, Cromwell Rd	1-5 years	59	340582E 376296N (N53:16:49 W2:53:33)
		10	EPNH3	0.800	Deeside School, Mellock Lane	1-5 years	22	329844E 377056N (N53:17:09 W3:03:14)
		11	EPNH4	7.656	Former McAlpines Depot, Cambridge Rd	1-5 years	450	340550E 376102N (N53:16:43 W2:53:35)
		20	EPNH5	0.181	Former Petrol Station, Windways Rd/ Rossmore Rd	1-5 years	18	337675E 377099N (N53:17:14 W2:56:11)
		22	EPNH6	0.320	Crossley Avenue/ Seymore Drive	1-5 years	20	338378E 376904N (N53:17:08 W2:55:33)
		24	EPNH7	0.433	Stanney Lane Social Club	1-5 years	66	340265E 375232N (N53:16:15 W2:53:50)
		25	EPNH8	0.214	Hartford Hay, Manorial Rd South	1-5 years	12	328285E 377511N (N53:17:23 W3:04:38)
		29	EPNH9	0.257	Adj Singlestack, Capenhurst Lane	1-5 years	5	338000E 374310N
		30	EPNH10	0.274	Village Square, Willaston	1-5 years	5	332903E 377546N
		40	EPNH11	5.397	Ince Caravan Site, Station Rd, Ince	1-5 years	162	345216E 376176N (N53:16:47 W2:49:23)
		63	EPNH12	0.257	Hadlow Rd, Willaston	1-5 years	10	332962E 377340N (N53:17:20 W3:00:26)
		65	EPNH13	0.473	Neston Police Station, Hinderton Rd	1-5 years	14	329412E 377489N (N53:17:23 W3:03:37)
		78	EPNH14	4.056	Van Leer Site, Meadow Lane	1-5 years	304	340430E 376637N (N53:17:00 W2:53:42)
		7	EPNH15	1.228	West Cheshire College, Regent St	5-10 years	103	339278E 376351N (N53:16:50 W2:54:44)
		17	EPNH16	0.754	Masonic Hall and grounds, Chester Rd	5-10 years	15	329339E 377441N (N53:17:21 W3:03:41)
		21	EPNH17	0.318	Former Pumping Station, Lees lane	5-10 years	5	330291E 377107N
		23	EPNH18	0.135	Former petrol filling station adj. 82 Stanney Lane	5-10 years	14	340265E 375232N (N53:16:15 W2:53:50)
		50	EPNH19	6.990	Land Off Lower Mersey St	5-10 years	489	340353E 377298N (N53:17:21 W2:53:46)
		61	EPNH20	3.763	Stadium site, Thornton Rd	5-10 years	170	341066E 375597N (N53:16:27 W2:53:07)
		72	EPNH21	0.278	Garage Court, Carlyle Crescent	5-10 years	9	338370E 375619N
		74	EPNH22	0.240	Garage Court, Eccleston Avenue	5-10 years	8	338458E 376223N
		3	EPNH23	0.814	Grange College, Sutton Way	10-15 years	40	338711E 375886N (N53:16:35 W2:55:14)
		4	EPNH24	0.323	Sherbourne Rd (Rochester Drive)	10-15 years	16	341000E 375000N (N53:16:07 W2:53:10)
		6	EPNH25	0.684	Window Making Company, Cromwell Rd	10-15 years	51	340582E 376296N (N53:16:49 W2:53:33)
		8	EPNH26	0.700	Former Fina depot. Crescent Rd	10-15 years	97	340608E 376715N (N53:17:03 W2:53:32)
		26	EPNH27	0.069	Former filling station, 16, Chester Rd, Neston	10-15 years	12	329339E 377441N (N53:17:21 W3:03:41)
		27	EPNH28	0.102	347a Chester Road (Rainbow nurseries)	10-15 years	7	337098E 376829N
		60	EPNH29	1.833	Land at Backford Cross	10-15 years	66	338280E 373290N (N53:15:11 W2:55:36)
		69	EPNH30	0.152	Garage, Boathouse Lane, Neston	10-15 years	8	327599E 378786N
		73	EPNH31	0.234	Garage Court, Overpool Rd	10-15 years	5	338452E 376483N
		75	EPNH32	0.154	Garage Court, St Andrew's Rd	10-15 years	5	340884E 375357N
		76	EPNH33	8.953	Depot, Rossfield Rd	10-15 years	157	339196E 376811N (N53:17:05 W2:54:49)
Land Use	Official Reference	FM Reference			Location	Timescale	Hectares	Coordinates
Employment	68	EPNE1			Adj. Ryder, Hooton Park	Unknown	6.1	337454E 379437N
	34	EPNE2			Former Gas Board site	Unknown	7.5	339471E 377519N
	35	EPNE3			Rushtons site, New Bridge Rd	Unknown	0.9	341682E 375140N
	36	EPNE4			Land at North Rd	Unknown	7.9	339356E 377692N
	37	EPNE5			Former oil Treminal, North Rd	Unknown	4.6	338298E 379039N
	44	EPNE6			Water Tower Rd	Unknown	1	329355E 378394N
	45	EPNE7			Hooton Park Strategic Site (adj. Vauxhall Motors)	Unknown	14.4	337215E 378899N
	52	EPNE8			Longlooms Rd, Cheshire Oaks	Unknown	4.2	340661E 374306N
	48	EPNE9			Adj. Cairds Site, North Rd	Unknown	7.1	338899E 378067N
	49	EPNE10			Portside Site 1 (b)	Unknown	1	339636E 377997N

Industry	51	EPNI1		Adj. Rushton Site, Stanney Mill Lane	Unknown	0.9	341807E 375160N
	47	EPNI2		Adjacent Vauxhall plant	Unknown	46.4	337923E 378165N
	32	EPNI3		H H Robertsons Site, Cromwell Rd	Unknown	5.7	340520E 376349N
	Unknown	62	EPNU1	Powell's Bridge, Oil Sites Rd	Unknown	1.4	340748E 367916N
	Use to benefit youth of Neston	64	EPNY1	Youth centre, Burton Rd	Unknown	0.3	329349E 377222N
Local Plan and other	Land Use	Reference		Location	Timescale	Hectares	Coordinates
	Mixed use	A	EPNM1	Council offices and car park	Unknown	1.635	339866E 375972N
	Mixed use	A	EPNM2	Cromwell Road	Unknown		340582E 376389N
	Mixed use	E	EPNM3	land adjacent to Cheshire oaks	Unknown	3.947	340659E 374311N
	Mixed use	A	EPNM4	Westminster retail park	Unknown	1.111	340487E 376709N
	Mixed use	B	EPNM5	Ellesmere Port Docks	Unknown	23.184	340247E 377512N
	Mixed use	C	EPNM6	Hooton Station/ Roften	Unknown	14.389	335292E 378211N
	Housing	I	EPNH34	South of Ledsham Road	Unknown	1.582	336645E 376039N
	Housing	J	EPNH35	West of Backford Cross	Unknown	1.849	338255E 373202N
	Employment	F	EPNE11	Vauxhalls plus additional land currently used for Vauxhalls car plant	Unknown	149.354	337993E 378893N
	Employment	G	EPNE12	North Road	Unknown	35.310	339486E 373202N
	Employment	H	EPNE13	The whole of Stanlow but in particular Gowly site	Unknown	670.357	342500E 375500N
	Employment	D	EPNE14	Station Road, Ince	Unknown		345521E 375974N
	Employment	A	EPNE15	Former Bus depot.	Unknown	0.215	340789E 376727N
	Oils, chemicals and related industries allocation	K	EPNO1	Ince Marshes	Unknown	144.600	346000E 377000N

**Note:**

\*The land use has not yet been decided, but the most suitable and most likely future land use has been recorded in the table.

\*\*The number of dwellings is approximate and has been taken from the Urban Potential Study.

# Appendix C

## **Sites matrix**

## EPNBC

ID	Potential future development sites name and reference	Site size ha	Proposed type	Major? (>1ha)	Flood Zone	Defended and SoP	Risk Profile	Other Influences - brownfield, watercourses, frpl, defences, canals, res,	PPS25 guidance for current allocation	Recommendations	*
											*
EPNH1	Rossfield Rd	18.125	Housing	Yes	No	No	N/A	A number of drains are on or near the site.  Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	An FRA is required as it is a major site.  Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  Possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). A full FRA will therefore be required, see Annex E of PPS25 for minimum requirements.  The Environment Agency must be consulted on any development that required culverting operation or the control of the flow of any river or stream. Land Drainage Act Consent information applicable as the development is next to an Ordinary Watercourse.	
EPNH2	Catchpole site, Cromwell Rd	0.810	Housing	No	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH3	Deeside School, Mellock Lane	0.800	Housing	No	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH4	Former McAlpines Depot, Cambridge Rd	7.656	Housing	Yes	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	An FRA is required as it is a major site.  Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNH5	Former Petrol Station, Windways Rd/ Rossmore Rd	0.181	Housing	No	No	No	N/A	Brownfield site with current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH6	Crossley Avenue/ Seymour Drive	0.320	Housing	No	No	No		Greenfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH7	Stanney Lane Social Club	0.433	Housing	No	No	No	N/A	Brownfield site with current development and grassed area	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH8	Hartford Hey, Manorial Rd South	0.214	Housing	No	No	No	N/A	Brownfield site - current development. Historic flooding event during a storm (Oct 2000)	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Although minor and not at risk from a Flood Zone, there is a historic flood risk location on or near to the site. This should be further investigated before a development is approved.	

ID	Potential future development sites name and reference	Site size ha	Proposed type	Major? (>1ha)	Flood Zone	Defended and SoP	Risk Profile	Other Influences - brownfield, watercourses, frpl, defences, canals, res,	PPS25 guidance for current allocation	Recommendations	*
EPNH9	Adj Singlestack, Capenhurst Lane	0.257	Housing	No	No	No	N/A	Greenfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH10	Village Square, Willaston	0.274	Housing	No	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	However, this site is possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). If this is confirmed by the EA, a full FRA will be required, see Annex E of PPS25 for minimum requirements.	
EPNH11	Ince Caravan Site, Station Rd, Ince	5.397	Housing	Yes	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	An FRA is required as it is a major site.	
EPNH12	Hadlow Rd, Willaston	0.257	Housing	No	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNH13	Neston Police Station, Hinderton Rd	0.473	Housing	No	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH14	Van Leer Site, Meadow Lane	4.056	Housing	Yes	No	No	N/A	Brownfield site Shropshire Union Canal runs adjacent	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	An FRA is required as it is a major site.	
EPNH15	West Cheshire College, Regent St	1.228	Housing	Yes	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNH16	Masonic Hall and grounds, Chester Rd	0.754	Housing	No	No	No	N/A	Brownfield site - hard standing and vegetated	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH17	Former Pumping Station, Lees lane	0.318	Housing	No	No	No	N/A	Brownfield site. Current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH18	Former petrol filling station adj. 82 Stanney Lane	0.135	Housing	No	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	

ID	Potential future development sites name and reference	Site size ha	Proposed type	Major? (>1ha)	Flood Zone	Defended and SoP	Risk Profile	Other Influences - brownfield, watercourses, frpl, defences, canals, res,	PPS25 guidance for current allocation	Recommendations	*
EPNH19	Land Off Lower Mersey St	6.990	Housing	Yes	No	No	N/A	Brownfield site, adjacent to Manchester Ship Canal	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	An FRA is required as it is a major site.  Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  EA must be consulted on any development that required culverting operation or the control of the flow of any river or stream. Land Drainage Act Consent information applicable as the development is next to an Ordinary Watercourse	
EPNH20	Stadium site, Thornton Rd	3.763	Housing	Yes	No	No	N/A	Brownfield site, adjacent to Shropshire Union Canal, drain within 25m.	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	An FRA is required as it is a major site.  Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  EA must be consulted on any development that required culverting operation or the control of the flow of any river or stream. Land Drainage Act Consent information applicable as the development is next to an Ordinary Watercourse	
EPNH21	Garage Court, Carlyle Crescent	0.278	Housing	No	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH22	Garage Court, Eccleston Avenue	0.240	Housing	No	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH23	Grange College, Sutton Way	0.814	Housing	No	No	No	N/A	Greenfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH24	Sherbourne Rd (Rochester Drive)	0.323	Housing	No	No	No	N/A	Greenfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH25	Window Making Company, Cromwell Rd	0.684	Housing	No	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH26	Former Fina depot. Crescent Rd	0.700	Housing	No	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH27	Former filling station, 16, Chester Rd, Neston	0.069	Housing	No	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH28	347a Chester Road (Rainbow nurseries)	0.102	Housing	No	No	No	N/A	Brownfield site - vegetated	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	

ID	Potential future development sites name and reference	Site size ha	Proposed type	Major? (>1ha)	Flood Zone	Defended and SoP	Risk Profile	Other Influences - brownfield, watercourses, frpl, defences, canals, res,	PPS25 guidance for current allocation	Recommendations	*
EPNH29	Land at Backford Cross	1.833	Housing	Yes	No	No	N/A	Vegetated. Partly brownfield partly greenfield  Drain adjacent to site & areas of standing water nearby indicating high water table.	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  Possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). A full FRA will therefore be required, see Annex E of PPS25 for minimum requirements.	
EPNH30	Garage, Boathouse Lane, Neston	0.152	Housing	No	No	No	N/A	Brownfield site - current development.  70m from tidal flood zone plus coastal marshland and areas of standing water also nearby.	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )  Possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). A full FRA will therefore be required, see Annex E of PPS25 for minimum requirements.	
EPNH31	Garage Court, Overpool Rd	0.234	Housing	No	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH32	Garage Court, St Andrew's Rd	0.154	Housing	No	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )	
EPNH33	Depot, Rossfield Rd	8.953	Housing	Yes	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNH34	South of Ledsham Road	16.5	Housing	Yes	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNH35	West of Backford Cross	20	Housing	Yes	No	No	N/A	Vegetated. Partly brownfield, partly greenfield  Drain adjacent to site & areas of standing water on site indicating high water table.	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  Possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). A full FRA will therefore be required, see Annex E of PPS25 for minimum requirements.	
EPNE1	Adj. Ryder, Hooton Park	6.1	Employment	Yes	No	No	N/A	Greenfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNE2	Former Gas Board site	7.5	Employment	Yes	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	

ID	Potential future development sites name and reference	Site size ha	Proposed type	Major? (>1ha)	Flood Zone	Defended and SoP	Risk Profile	Other Influences - brownfield, watercourses, frpl, defences, canals, res,	PPS25 guidance for current allocation	Recommendations	*
EPNE3	Rushtons site, New Bridge Rd	0.9	Employment	No	No	No	N/A	Brownfield site  Flood problem area: Little Stanney Drain accepts runoff from a large area. Storage ponds have now been provided adjacent to the drain.  Adjacent to Shropshire Union Canal	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not normally required. However there is a historic flood risk location and this should be further considered before approving a planning application. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> )  Possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). A full FRA may therefore be required, see Annex E of PPS25 for minimum requirements.	
EPNE4	Land at North Rd	7.9	Employment	Yes	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNE5	Former oil Terminal, North Rd	4.6	Employment	Yes	No	No	N/A	Brownfield site  Adjacent to reservoir, areas of standing water indicating a high water table, 70m from Manchester Ship Canal	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  EA must be consulted on any development that required culverting operation or the control of the flow of any river or stream. Land Drainage Act Consent information applicable as the development is next to an Ordinary Watercourse	
EPNE6	Water Tower Rd	1	Employment	Yes	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNE7	Hooton Park Strategic Site (adj. Vauxhall Motors)	14.4	Employment	Yes	No	No	N/A	Brownfield site - current development, woodland	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNE8	Longlooms Rd, Cheshire Oaks	4.2	Employment	Yes	No	No	N/A	Greenfield site  Drain & standing water on site.	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  Possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). A full FRA will therefore be required, see Annex E of PPS25 for minimum requirements.	
EPNE10	Portside Site 1 (b)	1	Employment	Yes	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	

ID	Potential future development sites name and reference	Site size ha	Proposed type	Major? (>1ha)	Flood Zone	Defended and SoP	Risk Profile	Other Influences - brownfield, watercourses, frpl, defences, canals, res,	PPS25 guidance for current allocation	Recommendations	*
EPNE11	Vauxhalls plus additional land currently used for Vauxhalls car plant	134	Employment	Yes	No	No	N/A	Brownfield site - current development  Standing water on site & on several areas surrounding	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  Possibly at flood risk due to critical drainage problems (or has been notified to the local planning authority by the Environment Agency). A full FRA will therefore be required, see Annex E of PPS25 for minimum requirements.	
EPNE12	North Road	35.310	Employment	Yes	No	No	N/A	Brownfield site  Standing water on site indicating a high water table	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNE13	The whole of Stanlow but in particular Gowy site	Very large site of many components	Employment	Yes	3b	50 - 150	Extreme	Main watercourse - River Gowy runs through the site plus many drains and areas of standing water, adjacent to Manchester Ship Canal  Flood problem area - North Ditch Tidal Defeat Pumping Station. The 3 pumps are inoperable and beyond economic repair. Only a single pump is in operation and this is undercapacity.  Part of the site is within a historic flood outline.  Brownfield site	Development should not be permitted unless made water compatible or is essential infrastructure though the latter would require the Exception Test (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is a very large site. Much of the site is within a flood zone but large parts are not. A detailed FRA will identify which parts are at the greatest risk, should redevelopment go ahead. Below are general guidelines.  All development proposals in this zone should be accompanied by a FRA, See Annex E of PPS25 for minimum requirements. Only the water-compatible uses and the essential infrastructure listed in Table D.2 of PPS25 that has to be there should be permitted in this zone.  The Environment Agency must be consulted as the development is within 20m of a main river.  Other sources of flood risk should be considered on this site.	
EPNE15	Former Bus depot.	0.215	Employment	No	No	No	N/A	Brownfield site.  Next to Shropshire Union Canal	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> ).	
EPNI1	Adj. Rushton Site, Stanney Mill Lane	0.9	Industry	No	No	No	N/A	Brownfield site  Flood problem area: Little Stanney Drain accepts runoff from a large area. Storage ponds have now been provided adjacent to the drain.  Approx 30m from Flood Zone 2 thus may be affected by climate change	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not normally required. However there is a historic flood risk location and this should be further considered before approving a planning application. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> ).	

ID	Potential future development sites name and reference	Site size ha	Proposed type	Major? (>1ha)	Flood Zone	Defended and SoP	Risk Profile	Other Influences - brownfield, watercourses, frpl, defences, canals, res,	PPS25 guidance for current allocation	Recommendations	*
EPNI2	Adjacent Vauxhall plant	46.4	Industry	Yes	No	No	N/A	Brownfield site, road running through, standing water on site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNI3	H H Robertson's Site, Cromwell Rd	5.7	Industry	Yes	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNU1	Powell's Bridge, Oil Sites Rd	1.4	Industry	Yes	No	No	N/A	Brownfield site, vegetated areas Adjacent to Shropshire Union Canal	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  The Environment Agency must be consulted on any development that required culverting operation or the control of the flow of any river or stream. Land Drainage Act Consent information applicable as the development is next to an Ordinary Watercourse.	
EPNO1	Ince Marshes	145	Industry	Yes	3a	No	N/A	Greenfield site Main watercourses and drains on site, adjacent Manchester Ship Canal		All development proposals in this zone should be accompanied by a FRA, See Annex E of PPS25 for minimum requirements. The water-compatible and less vulnerable uses of land in Table D.2 of PPS25 are appropriate in this zone.  Other sources of flood risk should be considered for this site including the canal, drains, pumping station.	
EPNY1	Youth centre, Burton Rd	0.3		No	No	No	N/A	Brownfield site	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	This is not a major development and the site is not within Flood Zone 2 or 3 or at risk from any other sources of flood risk. All types of development are acceptable and a FRA is not required. Refer to the standard Environment Agency comments on managing surface water drainage ( <a href="http://www.pipernetworking.com/floodrisk/operational.html">www.pipernetworking.com/floodrisk/operational.html</a> ).	
EPNM1	Council offices and car park	1.635	mixed	Yes	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNM4	Westminster retail park	1.111	mixed	Yes	No	No	N/A	Brownfield site - current development	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	
EPNM5	Ellesmere Port Docks	23.184	mixed	Yes	No	No	N/A	Brownfield site - current development Adjacent Manchester Ship Canal	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.  The Environment Agency must be consulted on any development that required culverting operation or the control of the flow of any river or stream. Land Drainage Act Consent information applicable as the development is next to an Ordinary Watercourse.	
EPNM6	Hooton Station/ Roften	14.389	mixed	Yes	No	No	N/A	Brownfield site - current development, vegetated areas	Development is appropriate (see Table D3 Flood Risk Vulnerability & Flood Zone Compatibility, PPS25)	Vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. See Annex E of PPS25 for minimum requirements and Table DSUD in the SFRA for drainage requirements.	

\* - If the column is marked blue, this means that the site is within a flood zone or potentially at risk from another source of flooding and therefore should be further investigated.

# Appendix D

## **Data register**

Job: West Cheshire SFRA		Chester SFRA 53726 IBKR All data									
Description/Title	Area	Date requested	From who	Date received	Format	Type	Date / Revision	Data extent	Owner organisation	Quality	
					digital or hardcopy					(high, medium, low)	
Plan (1/25,000 or larger) showing all main rivers for the catchment.	Base data	02/05/2007	Chris Waring	12/06/2007	Digital	ArcView shp	unknown		Environment Agency	High	
Details of all COW's in District, inc. details of culverted sections.	Base data	02/05/2007	Chris Waring	not available					Environment Agency		
List of watercourses in the Weaver Gowdy catchment put forward to be made COWs but rejected	Flood risk	05/10/2005	Alan Prentice	14/10/2005	hardcopy		unknown		EA	medium	
NFCDD output	Flood Defence	02/05/2007	Chris Waring	01/06/2007	digital	MapInfo	unknown	all	Environment Agency	High	
NFCDD structures and defences (and a statement) sent in MapInfo awaiting: all assets, flood storage areas and flood events in data to be sent.	Flood Defence	05/10/2005	Jane Hamilton	03/10/05 and 24/10/05	digital	ArcView	unknown		EA	medium	
NFCDD data (flood storage areas, defended areas, modelled flood outlines and groups, node points, flood event outlines and extract from information database-Lists survey drawings	Flood Defence	For WGowy CFMP	Jane Hamilton	09/11/2005	digital	MapInfo	unknown	all	EA	medium	
NFCDD layer of flood storage areas.	Flood Defence	For WGowy CFMP	Jane Hamilton	11/11/2005	digital	MapInfo	20-Oct-05	all	EA	medium	
Flooding records & maps - all available data for the whole district, including minor events. Including GIS info on existing flood risk zones.	See below										
Chester	Flood risk	16/05/2007	Adrian Tofts	arrived	notes		unknown			high	
Ellesmere Port - report by Phil N also included are notes from SW's meeting with Phil N.	Flood risk	15/05/2006	Catherine Morgetroyd	arrived	report		unknown		Ellesmere Port	high	
Vale Royal	Flood risk	15/05/2007	Charlotte Aspinall	arrived	excel		unknown		Vale Royal	high	
Flooding records & maps - all available data for the catchement. ASM flood risk locations needed.	Flood risk	02/05/2007	Chris Waring	not needed					Environment Agency		
Groundwater flooding information. Awaiting groundwater contours from regional EA hydrogeology team.	Flood risk	16/05/2007 and 26/06/07	Antony Poole	11/06/2007	digital	ArcView	unknown	all	EA	High	
Highway drainage	Flood Risk	17/05/2007	Chris Garner	N/A	N/A	N/A	N/A	Chester	Cheshire CC	N/A	
Database of properties flooded and return period used by Assets Systems Management to assess area polygons and catchment flood risk. MapInfo polygons with flooding information. The old data (with more info) as well.	Flood Risk	05/10/2005	Ian Hale	08/11/2005	digital	MapInfo and Access	unknown	all	EA		
Flooded properties and communities database.	Flood Risk	05/10/2005	Pippa Hodgekins	24/10/2005	digital		unknown		EA		
New Flood Zone maps (quarterly).	Flood Risk	05/10/2005	D Johnson, EA	07/08/2006	digital	ArcView	unknown		EA	high	
Flooding records - all available info for surface water and combined sewers in urban areas. Plan showing principal surface water sewers (i.e. diameters > 500mm) in the built-up areas of the District and records of SW flooding or tidal flooding via sewers.	Flood risk				not needed						
Welsh Water	Flood risk		James Dyke		not available						
United Utilities	Flood risk	15/05/2007	Brian Morrow	15/05/2007	digital	MapInfo	18/08/2006	all	United Utilities	medium	
Reports & plans for any significant flood alleviation schemes (river & coastal) in the district, inc. details of design flows, flood levels & defence levels.	Flood Defence	02/05/2007	Chris Waring	arrived			unknown	all	Environment Agency	high	
Gowy scheme: All available drawings relating to Folly gates FAS. River Gowdy and Thornton Brook improvements. Also included is the Gowdy FAS ISIS model.	Flood Defence	'	Anthony Poole	01/06/2007	digital	CAD DWG and ISIS	01/07/2001 ISIS from 2003	gowy	Environment Agency	High	
Description of hydrological/hydraulic model of the catchment (main rivers and tributaries), specifying exact lengths of channels modelled.	Modelling			not needed							
GIS theme of modelled reaches	Modelling	02/05/2007	Chris Waring	01/06/2007	digital	ArcView	unknown	all	Environment Agency	High	
Any existing catchment hydraulic model outputs and reports. If available. E.g. Pre-Feasibility modelling.	Modelling	Sept 05	Jane Hamilton	not received	digital		unknown		EA	high	
Cheshire and Wirral S105 HYDRAULIC MODEL. SEE REF46	Modelling	For WGowy CFMP	Jane Hamilton	11/11/2005	digital	isis	Mar-03	all	EA	high	
Data for Weaver model: flow, stage levels and ISIS models	Modelling	For WGowy CFMP	D Johnson, EA	23/08/2006	digital	zip	unknown	weaver	EA	high	
Location of modelled river reaches in the catchment in GIS format	Modelling	03/10/2005	Liam Gaffney	09/11/2005	Digital	ArcView	unknown	all	ea	medium	
Additional modelling data for Valley Brook: cross sections with OS map.	Modelling	25/07/2006	D Johnson, EA	06/09/2006	digital	pdf	unknown	Valley brook	EA	high	
Additional modelling data for Weaver: cross sections, soffit, bed and water levels, and location OS map	Modelling	25/07/2006	D Johnson, EA	14/08/2006	digital	pdf	unknown	upper weaver	EA	high	
Selected hydraulic model results (i.e. flood level profiles along channels modelled . Models received: Northwick detailed, Dibbinsdale Brook and Cheshire and Wirral SFRM (Wheelock, Northwick Middlewich, Nantwich, Gowdy, Congleton). Supplementary Northwick Modelling Study included as a report.	Modelling	16/05/2007	Antony Poole	01/06/2007	digital	isis	unknown	all apart from Dee	EA	High	
Summary of all stream flow gauging stations in the catchment (i.e. OS grid ref, gauge type, period of record etc).	Modelling	02/05/2007	Chris Waring	01/06/2007	digital	ArcView	unknown	all	Environment Agency	High	
GIS point data of all river gauging sites and rainfall gauges.	Modelling	05/10/2005	Anne Walton	24/10/2005	digital	ArcView	unknown	all	EA	high	
Gauging station classification. The gauging sites in the Weaver Gowdy catchment to be classified in terms of quality.	Modelling	05/10/2005	Andy Melluish	24/10/2005	digital		unknown	Chester	EA	high	
Details of Flood Warning Schemes (including emergency response) in operation.	Flood Warning	02/05/2007	Chris Waring				unknown	all	Environment Agency	high	
Notes on Flood Incident Management from Mike Fraser including flood history and new flood warning areas.	Flood Warning	For WGowy CFMP	Mike Fraser	05/10/2005	hardcopy	notes	05/10/2005	all	EA	high	
Flood warning procedures including gauging station levels. River Weaver at Northwick	Flood Warning	05/10/2005	Mike Fraser	24/10/2005	hardcopy	doc	17/05/2005	Lower Weaver	EA	high	

Job: West Cheshire SFRA		Chester SFRA All data			53726 IBKR						
<b>Title: Data Register</b>											
Weaver Flood Warning Management Plan by Black and Veatch	Flood Warning	05/10/2005	Mike Fraser	24/10/2005		doc	24/06/2005	Upper Weaver and Lower Weaver	EA	high	
Flood warning areas and address point data.	flood warning	For WGowy CFMP	Mike Fraser	24/10/2005	Digital	gis	unknown	all	ea	high	
<b>Details of existing flood storage lagoons, runoff retention ponds etc on non-Main Rivers in the Borough.</b>	Flood Defence										
<b>Chester</b>	Flood Defence	16/05/2007	Adrian Tofts	none available							
<b>Ellesmere Port</b>	Flood Defence	15/05/2007	Catherine Morgetroyd	none available						Ellesmere Port	
<b>Vale Royal</b>	Flood Defence	15/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
NFCDD layer of flood storage areas.	Flood Defence	For WGowy CFMP	Jane Hamilton	11/11/2005	digital	MapInfo	20-Oct-05	all	EA	medium	
Tidal and Surge Levels (Estuary and Sea) for 200yr return period storm. Expected Water Levels at Summers Jetty, Connah's Quay provided	Modelling	02/05/2007	Chris Waring	01/06/2007	digital	excel	update due 28 May 2007	coastal	Environment Agency	medium	
<b>Catchment Flood Management Plan. Mersey Estuary - Scoping and Main report (CFMP)</b>	Policy	02/05/2007	EA website	15/05/2007	digital	PDF	03/07 - Main, 11/05 Scoping	Mersey estuary area	Environment Agency	medium	
<b>Shoreline Management Plan</b>	Policy	02/05/2007	Shoreline management partnership	15/05/2007	digital	PDF	01-Dec-99	Mersey estuary area	Liverpool Bay Coastal Group	medium	
<b>OS Base Maps in electronic format on CD (coverage of the whole District) at 1/50,000 scale] 1/10,000 scale 1/2,500 scale</b>	Base data	20/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
<b>Plan showing availability of LIDAR data</b>	Base data	02/05/2007	EA Website	15/01/2007	digital	shapefile	20/04/2007	all	Environment Agency	medium	
<b>Selected LIDAR data on CD from summary</b>	Base data	02/05/2007	Chris Waring	29/05/2007	digital	ASCII Grid	2007	all	EA	High	
SAR DTM/DEM in 5m grids for the whole of the Weaver Gowy catchment	Base data	Sept 05	Neil Webster	24/10/2005	digital	ArcView	unknown	all	EA	low	
LiDAR coverage Gowy	Base data	22/12/2005	Jane Hamilton	available via SFRA	Digital	LiDAR				medium	
recently flown LiDAR coverage, Upper Weaver	Base data	18/10/2006	Liam Gaffney	27/10/2006	digital	CD, Grid	2006	Upper Weaver	EA	medium	
<b>Development Planning Documents and/or Local Dev't F'work documents. CC</b>											
<b>Chester</b>	planning	16/05/2007	Adrian Tofts and Lyndsay Jennings	30.05.07	digital	web based and Word	Jun-07	Chester	Chester	High	
<b>Ellesmere Port</b>	planning	15/05/2007	Catherine Morgetroyd	23/05/2007	hardcopy	report	Jan-02	Ellesmere Port	Ellesmere Port	High	
<b>Vale Royal - includes 1st review alteration and additional omissions site documents.</b>	planning	15/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
Housing Rates. Spreadsheet of projected housing allocations in the north west and the interim draft revision of the Regional Spatial Strategy.	planning	For WGowy CFMP	Jane Hamilton	07/11/2005	digital	excel and pdf	Oct-05	all	EA	medium	
Census 2001 Population figures, for urban areas in catchment	planning	For WGowy CFMP	Website	09/02/2006	digital	excel	unknown	all	Government	medium	
Regional FRA figures, housing allocation and map	planning	For WGowy CFMP	Jane H	23/02/2006	digital	excel, word	Feb-06	all	EA, RSS	medium	
<b>Urban housing capacity assessment</b>	planning										
<b>Chester</b>	planning	16/05/2007	Adrian Tofts	arrived			unknown			medium	
<b>Ellesmere Port - Urban Potential Study Report</b>	planning	15/05/2007	Catherine Morgetroyd	23/05/2007	digital	pdf	May-06	Ellesmere Port	Ellesmere Port	High	
Vale Royal. Urban housing capacity assessment. GIS named HLAA by White Young Green. Hardcopy also included - scoping report. Use Hlaa for future housing allocations in SFRA.	planning	15/05/2007	Charlotte Aspinall	22/05/2007	digital and hardcopy	ArcView and report	Jan-07	vale royal	White Young Green	High	
<b>County Structure Plan (current version) Cheshire</b>	planning		Cheshire website	not available							
<b>Details of Major Development Areas (Existing &amp; Proposed) CC</b>	planning						unknown				
<b>Chester</b>	planning	16/05/2007	Adrian Tofts	21/06/2007	digital	excel	Jun-07	Chester	Chester	High	
<b>Ellesmere Port - list of major development sites and plans.</b>	planning	15/05/2007	Catherine Morgetroyd	26/06/2007	hardcopy	notes and plans	Jun-07	Ellesmere Port	Ellesmere Port	High	
<b>Vale Royal</b>	planning	15/05/2007	Charlotte Aspinall	arrived			unknown	vale royal	Vale Royal	medium	
GIS theme of ancient woodland	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	07/09/2004	all	English Nature	high	
GIS theme of AONB	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	05/05/2005	all	Countryside Agency	high	
GIS theme of countryside character areas and citations for the relevant areas	Environment	For WGowy CFMP	magic and CA website	08/09/05	digital	ArcView and pdf	05/05/2005	all	Countryside Agency	high	
GIS theme of countryside stewardship scheme target areas. i.e. priorities for the area.	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	20/10/2003	all	Defra	high	
GIS theme of Forestry Commission Conservancy Boundaries.	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	22/05/2002	all	Forestry Commission	high	
GIS theme of heritage coasts	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	11/04/2003	all	Countryside Agency	high	
GIS theme of land management initiatives i.e. changing land management to maintain attractive environment	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	31/01/2003	all	Countryside Agency	high	
GIS theme of national nature reserves	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	15/08/2005	all	English Nature	high	
GIS theme of proposed national parks	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	06/04/2005	all	Countryside Agency	high	
GIS theme of Ramsar sites	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	15/08/2005	all	English Nature	high	
GIS theme of sac sites	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	15/08/2005	all	English Nature	high	
GIS theme of spa sites	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	15/08/2005	all	English Nature	high	
GIS theme of sassy sites	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	15/08/2005	all	English Nature	high	
GIS theme of sissy unit sites	Environment	For WGowy CFMP	magic	08/09/05	digital	ArcView	15/08/2005	all	English Nature	high	

Job: West Cheshire SFRA		Chester SFRA All data			53726 IBKR						
Title: Data Register											
GIS themes of SAM's, world heritage sites, parks and gardens, battlefields and protected wrecks.	Environment	For WGowy CFMP	Graham Deacon, NMR Enquiry and Research Services-Archaeology	12/09/2005	digital	ArcView	Not stated	all	English Heritage	high	
GIS theme of land cover data. Shows the distribution of habitat classes throughout the catchment.	Environment	For WGowy CFMP	Michael Shankster	19/09/2005	digital	ArcView	2001	all	CEH	high	
<b>Local Environmental Action Plans ("LEAPs") EA</b>											
LEAPs (predecessor to Catchment Management Plans)	Environment	Sept 05	Jane Hamilton	07/11/2005	hardcopy	report	1997 and 2001 review	all	EA	medium	
GIS theme of lakes and reservoirs - EA not able to provide, need separate licence from CEH	Base data	16/05/2007	Antony Poole	not needed					EA		
GIS theme of lakes and reservoirs	Base data	01/11/2005	Jane Hamilton	09/11/2005	digital	ArcView	unknown	all	EA	medium	
<b>Details of Emergency Response Procedures for flood events. EA/BC</b>		02/05/2007	Chris Waring	all received					Environment Agency		
Flood Incident Response Plan for Northwich	Flood Warning	05/10/2005	Mike Fraser	24/10/2005	hardcopy	doc	Mar-05	Lower Weaver	Vale Royal	high	
<b>Flood Risk Assessments</b>											
Chester	Flood risk	01/05/2007	Liz Stone	01.05.07			unknown	Chester	Chester CC	medium	
Ellesmerport	Flood risk			not required							
Vale Royal - List of proposals 'considerations at committee'. Still awaiting FRA data. Meeting needed.	Flood risk	15/05/2007	Charlotte Aspinall	meeting attended					Vale Royal		
List of planning application determinations contrary to EA advice. File names '25494 available data from Sherron kitchen'.	planning	16/05/2007	Antony Poole	available upon request	digital	excel	unknown	all	EA	n/a	
Chester Old Port River Wall Restoration Feasibility Study.	Flood defence	16/05/2007	Adrian Tofts	18/05/2007	hardcopy	report	Sep-00	Chester	Chester CC	High	
Sustainability appraisal scoping report	policy	16/05/2007	Adrian Tofts	18/05/2007	hardcopy	report	Nov-06	Chester	Chester CC	High	
Representations made to site allocations for local plan and supporting FRAs (Chester, Eport and Vroyal)	Flood risk	16/05/2007	Adrian Tofts	not available				all		n/a	
River Dee Northern Embankment Failure Assessment and flood routing	Modelling and flood defence	16/05/2007	Adrian Tofts	18/05/2007	hardcopy	report	Mar-00	Chester	Chester CC and Bullen	High	
Inspectors report. The impacts of flood risk on proposed developments in the Sealand Basin Area.	Flood risk	16/05/2007	Adrian Tofts	18/05/2007	hardcopy	report	Jul-02	Chester sealand basin	Chester CC	High	
Position statement on flood risk issues		Policy	16/05/2007	Adrian Tofts	not available		Apr-01		Chester CC		
Northwich Visions studies done in conjunction with the EA in respect of flood risk in Northwick town centre.	Policy	16/05/2007		Not available, see Area FRA				vale royal	Vale Royal and EA	medium	
British Waterways 3 breach locations identified.	flood risk	18/05/2007	John Spottiswood (Phil Whelan national hydrologist)	30.07.07	digital	email	Jul-07	west cheshire	British Waterways	High	
Manchester Ship Canal information - information not available	flood risk	18/05/2007	David Stork	not available					MSC		
Old Port Development Flood Risk Assessment		Flood risk	22/05/2007	Adrian Tofts	22/05/2007	hardcopy	report	Aug-04	Chester	Chester	High
Interim report (FCA) for Waters Meet, Deeside Chester and Eas pre feasibility work on Dee northern Embankment	Flood risk	22/05/2007	Adrian Tofts	22/05/2007	hardcopy	report	Feb-07	Chester	Chester	High	
Bank top GIS theme	Base data	20/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
Contour data of Vale Royal area	Base data	20/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
Flood data - NFCDD output and flood zones for Vale Royal	Base data	20/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
Local plan - loads: conservation, allocations, flood zones	Base data	20/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
OS GIS theme	Base data	20/05/2007	Charlotte Aspinall	22/05/2007	digital	ArcView	unknown	all	Vale Royal	High	
Round table session on flooding issues in Sealand Basin. Review provided by tpk consulting. Chester DC local plan public enquiry.	Flood risk	23/05/2007	Adrian Tofts	23/05/2007	hardcopy	report	20/04/2001	Chester sealand basin	TPK consulting	medium	
Submission to round table session on flood risk issues within Sealand Basin by Weetwood Services	Flood risk	23/05/2007	Adrian Tofts	23/05/2007	hardcopy	report	15/05/2001	Chester sealand basin	Weetwood Services	medium	
Chester DC local plan enquiry. Flooding round tables session. Position on behalf of castlemore securities Ltd. By JMP consultants. Sealand Basin	Flood risk	23/05/2007	Adrian Tofts	23/05/2007	hardcopy	report	01/05/2001	Chester sealand basin	JMP Consultants	medium	
Paper copies of watercourse and canal data for Vale Royal. Should be available in GIS as well.	Base data	23/05/2007	Charlotte Aspinall	23/05/2007	hardcopy	Data tables	unknown	vale royal	vale royal	High	
Ince Glass Container Manufacturing Filling and Distribution Company. Flood Risk Assessment.	Flood risk	15/05/2007	Catherine Morgetroyd	23/05/2007	hardcopy	report	Nov-05	Ellesmere Port Ince Marshes	Jacobs Babtie	medium	
Oaklands, Hooton, Flood Risk Assessment (just N of Emere Port)	Flood risk	15/05/2007	Catherine Morgetroyd	23/05/2007	hardcopy	report	Apr-05	Ellesmere Port	Weetwood Services	medium	
Winnington Urban Village, Northwick. Planning application details and objections. Outline Major EIA.	planning	15/05/2007	Charlotte Aspinall	22/05/2007	hardcopy	report	unknown	Northwick	Vale Royal	High	
List of planning applications in Vale Royal	planning	15/05/2007	Charlotte Aspinall	22/05/2007	hardcopy	Data tables	unknown	vale royal	Vale Royal	High	
Vale Royal BC revised local development scheme 2007. Due to be adopted May 28th 2007	planning	15/05/2007	Charlotte Aspinall	22/05/2007	hardcopy	report	2007	vale royal	Vale Royal	High	
Ellesmere Port Bio-Diesel Plant Flood Risk Assessment and Strategic Drainage Review	Flood risk	24/05/2007	FM	24/05/2007	digital	pdf	Aug-06	ellesmere port	FM	High	
GIS data from Chester CC. See GIS tab for details.	Base data	May 2007	GIS Team	01/06/2007	digital	ArcView	unknown	Chester	Chester	High	
GIS data from Ellesmere Port and Neston. See GIS tab for details.	Base data	May 2007	Laura Mylen	01/06/2007	digital	ArcView	unknown	Ellesmere Port	Ellesmere Port	High	
Coastal Flood Risk Mapping	Flood risk	May 2007	Anthony Poole	01/06/2007	digital	pdf	Jul-01	coastal	EA (with Posford Duvivier and Motts)	medium	
Map showing areas protected by Knolls Bridge and Finchett's Reservoirs.	Flood Defence	May 2007	Anthony Poole	11/06/2007	hardcopy	map	23/05/2007	chester	EA	medium	
Areas protected by northern embankment. SOP 1 in 200. Chester End and Deeside Industrial Estate.	Flood Defence	May 2007	Anthony Poole	11/06/2007	hardcopy	map	23/05/2007	Chester	EA	medium	
1:10k OS mapping for Chester	Base data	12/06/2007	Simon Moor	14/06/2007	digital	tiff	unknown	Chester	Chester	High	
1:10k OS mapping for Ellesmere Port. Master map and os	Base data	12/06/2007	Simon Moor	14/06/2007	digital	mastermap	unknown	Chester	Chester	High	

Job: West Cheshire SFRA		Chester SFRA 53726 IBKR All data									
Title: Data Register		flood risk	May	Anthony Poole	25/06/2007	digital	ArcView shp	unknown	all	EAW	medium
EA flood zones distinguishing between tidal and fluvial flood risk	flood risk		May	Anthony Poole	25/06/2007	digital	ArcView shp	unknown	all	EAW	medium
Urban Potential Study Working draft not in public domain. Confidential. The Urban Potential Study assesses existing brownfield sources of capacity for housing. This covers all settlements within the District.	planning	May	Lyndsey Jennings	26/06/2007	digital	ArcView shp	Jun-07	Chester	Chester	Chester	High
Using the GIS can obtain a full list of the sites, location and site area as requested. Many of the sites will need to come out due to either planning constraints or relevant planning histories. Currently going through this process as part of ongoing work for the LDF core strategy. Awaiting maps.	planning	May	Lyndsey Jennings	26/06/2007	digital	ArcView shp	Jun-07	Chester	Chester	Chester	High
<b>Also included in the Chester CC Local Plan GIS files:</b>											
Vale Royal draft monitors for our housing, retail and employment land. These are still working drafts and are not available to the public as yet. These list all sites with planning permission for the various uses and whether they are yet under construction.	planning	May	Charlotte Aspinall	26/06/2007	digital	excel	Mar-07	vale royal	vale royal	vale royal	High
Extreme Sea Level Predictions at Summers Jetty and Chester Weir (Defended Scenario)	flood risk	May	Alison Jones-Humphreys	28/06/2007	digital	excel	unknown	Chester and ellesmereport	EAW	EAW	medium
Shpfiles of the Northern and Hawarden Embankment surveys, undertaken by EA staff in Chester.	Flood defence	May	Vicky Nightingale	30.07.07	digital	ArcView shp	unknown	Chester	EAW	EAW	High
Dee Pilot CFMP			Keith Ivens	not available							
Broad scale Dee modelling from the CFMP and the update when available.			Keith Ivens	not available							
River Dee flood defence details. Height and SOP. Awaiting GIS of this though (this is now in 154 dated 30.07.07).	Flood defence	May	Keith Ivens	24.07.07	digital	email	unknown	epnbc and Chester	EAW	EAW	High
Northwich Vision document.	planning	May	Graham Knott	27.07.07	hardcopy	doc	unknown	northwich	Vale royal	Vale royal	High
Doncaster SFRA	planning	na	Graham Knott	27.07.07	digital	report	2004	all	Doncaster DC	DC	medium
List of major development areas from EPNbc (should contain a map)	planning	May	Catherine Morgetroyd	26.06.07	hardcopy	letter	Jun-07	epnbc	epnbc	epnbc	High
EPNbc local plan in GIS. Also included are the epnbc urban potential sites.	planning	may	Catherine Morgetroyd	26.06.07	digital	MapInfo GIS	unknown	epnbc	epnbc	epnbc	High
Example SFRA from Peterborough FM	planning	02.08.07	Barry Barton	02.08.07	digital	pdf	various	na	various Las	various Las	medium
Curzon Park, Chester, Embankment Pre-Feasibility Study	Flood defence	May	Keith Ivens	03.08.07	hardcopy	report	Jan-07	chester	Chester	Chester	High
River Dee Embankments Breach Modelling Report Curzon Park, Chester	Flood defence	May	Keith Ivens	03.08.07	hardcopy	report	Sep-05	Chester	Chester	Chester	high
Northern and Hawarden Embankments Pre-Feasibility Study	Flood defence	May	Keith Ivens	03.08.07	hardcopy	report	Jan-07	Chester	Chester	Chester	High
Deeside Flood Embankment Assessment Geotechnical Report	Flood defence	May	Keith Ivens	03.08.07	hardcopy	report	Oct-06	Chester	Chester	Chester	High
Sealand development allocations, GIS layer	planning	03/08/2007	Lyndsey Jennings	06/08/2007	digital	ArcView	Aug-07	Chester	Chester	Chester	High
Remaining allocations from Vale Royal. List was sent VR sent the missing allocations in GIS.	planning	03/08/2007	Charlotte Aspinall	07.08.07	digital	ArcView	unknown	vale royal	vale royal	vale royal	medium
GIS polygons of flood risk locations, dirived from P Nightingale's report produced for the SFRA.	Flood risk	na	Phil Nightingale and created by Suzie Piper	09/08/2007	digital	ArcView	June 2007 (original data)	epnbc	Faber Maunsell	Faber Maunsell	medium
Dee River Basin summary of water management issues.	Base data	01/08/2007	Lyndsey Jennings	16/08/2007	digital	pdf	Not stated	Chester	EAW	EAW	medium
ISIS model from the Dee CFMP. 1 in 100 and 1 in 200 year runs only. Includes a modelling report. The 4% and 1% tidal and fluvial events have also been sent.	modelling	July	Vicky Nightingale	20/08/2007 and 04/09/07	digital	isis	Jul-04	Chester	EAW	EAW	medium
Sealand basin analysis. ISIS and TuFLow models	modelling	-	Neil Taunt.	Aug 07	digital	isis and tuflow	Aug 07	Chester	EAW	EAW	High
Tuflow tidal extents for Chester. Undefended and defended scenarios.	modelling	-	Keith Ivens	01/11/2007	digital	ArcView shp	Oct-07	Chester	EAW	EAW	High
Sealand Basin breach report and depth grids.	modelling	-	Neil Taunt.	02/11/2007	digital	jpeg and psf	Oct-07	Chester	EAW	EAW	High
River Dee Draft CFMP Scoping Report.	flood risk	May	Lyndsey Jennings	07/11/2007	digital	pdf and word	Sep-07	Chester and Ellesmere Port	EAW	EAW	Medium



# Appendix E

## **Figures**