Area North Committee – 26 September 2012

8. Flooding, Drainage & Civil Contingencies

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Purpose of Report

To provide an update on aspects of flood and water management affecting Area North, including recent changes to the various roles, powers and duties of land drainage.

A copy of some of the slides to be included in the officer presentation at committee have been circulated to members under separate cover for information (showing rainfall trends and maps of the watercourse network).

The Civil Contingencies & Business Continuity Manager will also attend the meeting to give a presentation on civil contingencies.

Public Interest

Area North has an extensive river and watercourse network, and certain parts of the area are prone to flooding.

There are a number of organisations that have a role in respect of land drainage and flooding.

Recommendation

That members note and comment on the content of the report and presentation, including the updated information on land drainage responsibilities included in Appendix A.

Below is some background information and statistics for flooding and drainage:

Summer 2012 – Met Office Summary

The following represents a *provisional* assessment of the weather experienced across the UK during Summer 2012 (June, July and August) and how it compares with the 1981 to 2010 averages:

• Frequent areas of low pressure over or near the UK resulted in an exceptionally wet summer across most of the country, especially during June and much of July.

- Provisionally the UK had 371 mm of rainfall, more than summer 2007 (358 mm) with only summer 1912 wetter (384 mm) in the series from 1910.
- It was the wettest June across the UK and the equal-wettest June in the England and Wales series from 1766 (shared with June 1860).
- July was also very wet, with over 150% of normal rainfall widely, and in parts of eastern Scotland it was one of the wettest on record.
- In August, the wettest weather covered areas from south-west England to south-east Scotland. The drier exception in all 3 months was north-west Scotland.

The Pitt Review

Following the severe flooding that affected parts of the country during summer 2007, the Government commissioned a report to assess the roles of various organisations in respect of flood risk management and to look at ways by which they could be improved.

The report – **The Pitt Review** - 'Learning Lessons from the 2007 Floods' – was prepared by Sir Michael Pitt and published in June 2008.

In looking at the various aspects of flooding, the Report came up with 92 recommendations and also identified the following basic issues:

- The need to ensure that flood risk from surface water is effectively addressed;
- The need for collaborative arrangements and partnerships between the various organisations involved in flood risk management;
- The leadership role to be undertaken by upper tier authorities (County and Unitary) and;
- Funding issues.

Recommendations from the Pitt Review have led to the new Flood & Water Management Act 2010.

Flood & Water Management Act 2010

The Act is seen as the 'rationalisation' of the various existing legislation into a new Act and in the process a number of other issues have been addressed.

One of the main provisions of the new Act is the designation of a new role of 'Lead Local Flooding Authority (LLFA)' and this role has been assigned to Principal Authorities (County/Unitary Councils). The LLFA's have taken on many of the original land drainage and flooding functions of the Environment Agency in respect of 'ordinary watercourses' (i.e. not 'main rivers').

In addition LLFA's have been allocated an overall strategic co-ordinating function in respect of flooding and additional **duties** to investigate flooding incidents in order to identify the appropriate body to deal with it.

In addition to a number of other roles, LLFA's have also been allocated the role of dealing with surface water run-off issues that weren't covered by previous legislation.

Land Drainage Roles – Unchanged

What's the same?

- District Councils, as a non-statutory function, can still use powers contained in Section 14 of the Land Drainage Act 1991 to carry out **improvements** to 'ordinary' watercourses (defined as all rivers, streams, ditches, drains, cuts, culverts, dikes, sluices and sewers – other than public sewers – and passages through which water flows) in order to alleviate flooding problems.
- The Environment Agency still has jurisdiction over main rivers.
- The Highway authority (Somerset County Council and/or Highways Agency) is still responsible for highway drainage/flooding.
- Landowners (riparian owners) are still ultimately responsible for maintenance of watercourses adjacent to their own property.

Land Drainage Roles – Changes

What's changed

- Consenting/enforcement powers under Section 23 of the LD Act 1991 for structures (culverts, pipes, weirs, bridges, etc.) in watercourses are now with Somerset County Council as the 'Lead Local Flooding Authority' (this function was previously with EA).
- Section 25 powers (enforcement of **maintenance** by riparian owners) are now with County Council (previously with District Council and/or County Council). This role can be delegated to District Councils under an agreement.
- Reservoir regulations have changed in respect of the requirements for owners to carry out monitoring of dam structures, etc. and prepare emergency plans. These new regulations apply to Chard Reservoir although this was already the subject of previous regulations.

Land Drainage Roles – New Functions

What's new

- New role for County Council as 'Lead Local Flood Authority' (LLFA) which brings with it:
 - o A strategic co-ordinating function,
 - o Duty to act consistently with national and local strategies,
 - Duty to investigate flooding incidents and determine which authority should respond,
 - Power to request information from other drainage bodies (District Councils, Drainage Boards, EA),
 - Powers (under revised S14) to deal with surface water and ground water flooding problems,
 - Role as SUDs Approval Body for approving and adopting SUDs on new developments.

 Duty for all drainage bodies to cooperate with each other and provide information.

Current SSDC Policies

General Policy

The Council's general policy with regard to flooding has always been to alleviate internal flooding of properties. This policy was last reviewed by District Executive at their meeting in September 2002 when it was confirmed that :

"the Council will, subject to availability of resources and finance, use its best endeavours and permissive powers to alleviate internal flooding of properties."

Emergency Assistance

At the same meeting the Council's District Executive approved a policy in respect of provision of sandbags in that:

"Priority will be given in the provision of sandbags to domestic property at risk of flooding and that the number of free sandbags will normally be limited to 6 per external doorway."

Routine Maintenance

In order to ensure continued effectiveness of watercourses that have been improved as part of past flood alleviation schemes, maintenance works are carried out by the Council's Streetscene Services operatives. The total length of watercourse maintained is approximately **11km** and the cost recharged in 2011/12 was **£19,623**.

The extent of these works decreased significantly in 2006 when the Environment Agency took on responsibility for some of these watercourses ('Critical Ordinary Watercourses') and engaged the Streetscene Services team to maintain them under contract. This contract ceased on 1st July 2012 when the EA took this work on themselves.

In addition to the routine maintenance of watercourses the Council's Streetscene team also check a number of debris screens on a regular basis. The extent of the routine maintenance carried out by the Council was subjectively reviewed in 2006. This review resulted in some reduction of lengths of watercourse maintained focussing on those lengths that were considered 'critical' to the drainage system. Further details are available if required.

There are schedules of land drainage and screen maintenance attached as appendix B.

Capital and Minor Works

SSDC has, since the mid '70's, maintained a fairly active role in dealing with flooding problems and providing assistance and advice to members of the public in this respect. Since that time **45** Capital flood alleviation schemes have been implemented, mostly with Government grant aid, at a total cost of approximately £3.5m.

Changes in Government funding criteria and availability a few years ago resulted in a switch from implementation of Capital projects to minor works using the Council's Revenue funds. This was seen as a way of providing more responsive basic flood relief across a broader area. Since 2006 an annual average of approximately £24,000 has been used to deliver a total of approximately 180 of such drainage improvement works.

Emergency Assistance

Since 1998 (when records started), **44,000** sandbags have been issued. In order to make the service more efficient the option of establishing local storage/collection points for sandbags has been looked at and discussed with various parish councils but identifying suitable venues/access has proven to be problematical. Logistical problems in the distribution of large numbers of sandbags to various locations have, in the last few years, prompted the purchase of special, gel-filled bags that are much easier (and safer) to transport in large numbers.

In recent years the focus has been more on giving advice to members of the public about ways in which they can help themselves in dealing with flooding of their property although this is generally only appropriate where works required are within their own property rather than on 3rd party land. To this end a series of public Flood Awareness workshops have been held. The use of flood boards or similar devices as a more effective alternative to sandbags has been promoted at these workshops.

Financial Implications

None from this report.

The annual budget for minor works in 2012-13 is £25,000. Routine maintenance costs by Streetscene Services for screen and watercourse maintenance is around £34,000 in the 2012-13 budget.

Council Plan Implications

Focus Two: Environment

• We will continue to support communities to minimise flood risk.

Background papers: None

Appendix A

Land Drainage Responsibilities, Powers, Rights and Roles

There are, at the local level, a number of organisations that have a role in respect of land drainage and flooding. The statutory powers relating to these are generally embodied in the Water Resources Act 1991 and the Land Drainage Act 1991 although certain functions are also contained within the Public Health Act 1936 the Environmental Protection Act 1990 and the Highways Act 1980. New legislation in the form of the Flood & Water Management Bill 2010 has incorporated and amended some of this previous legislation.

Definitions:

'Watercourse'	Defined under the Land Drainage Act 1991 as "all rivers and streams and all ditches, drains, cuts, culverts, dikes, sluices, sewers (other than public sewers within the meaning of the Water Industry Act 1991) and passages through which water flows".
'Main river'	Specifically designated lengths of watercourse and are generally the larger arterial watercourses. Main rivers fall under the jurisdiction of the Environment Agency.
'Ordinary watercourse'	Watercourses that do not form part of a main river. They are generally under the jurisdiction of 'drainage bodies' although the EA act as the consenting authority in respect of any works involving culverting, diversion, abstraction, etc.

Organisation	Responsibilities, Powers, Rights and Roles
Environment Agency	 a) general supervisory/strategic role over all aspects relating to flood defence with a more specific role in respect of 'main rivers'. b) regulating authority for works/activities in and alongside main rivers. c) influence, through the planning application process, land use and development particularly within flood plain areas. d) produce Flood Risk mapping. e) install and operate flood warning systems. f) protection and conservation of the natural environment, whilst carrying out flood risk management activities.
Internal Drainage Boards	 Designated as a 'drainage body' under the terms of the Land Drainage Act 1991. Drainage Boards have jurisdiction over certain, specific, generally low-lying areas. Their powers include: a) Consenting/enforcement powers for structures in ordinary watercourses within their area. b) Power (discretionary) to serve Notice on owners requiring them to remove obstructions from 'ordinary watercourses' (S25 LD Act). c) The IDB's principal interest is in the protection of agricultural land from flooding and to achieve this they undertake maintenance work or improvements on certain 'viewed rhynes'

County Council As the designated 'Lead Local Flood Authority (LLFA).	 a) Strategic co-ordinating function b) Duty to investigate flooding incidents to determine responsibility. c) Consenting/enforcement powers for structures in 'ordinary watercourses' (previously EA role) d) Powers (discretionary) to serve Notice on owners requiring them to remove obstructions from 'ordinary watercourses' (S25 LD Act). e) Powers (discretionary) to deal with surface water flooding. f) SUDs Approval Body (SAB) for approval and adoption of surface water control measures on new development. a) keep roads free from flooding
Authority	b) powers to drain water from a highway into a nearby watercoursec) powers to prevent water flowing on to a highway - this latter power is often difficult to enforce.
District Council	Designated as a 'local authority' under the terms of the Land Drainage Act 1991. Discretionary powers exist to carry out improvement works on 'ordinary watercourses' to prevent, mitigate or remedy flood damage – subject to consent by the LLFA SSDC's policy is to exercise these powers, subject to availability of
	finance, where property is at risk of internal flooding. The District Council may also give guidance/assistance to the public in respect of flooding issues and issue sandbags in times of flooding.
Landowners (Riparian owners)	The role of Riparian Owners (the owner of land containing or adjoining a watercourse) is generally not fully understood. Among other things they have the right to:
	a) Receive flow of water in its natural state, without undue interference in quantity or qualityb) Protect their property from flooding and their land from erosion
	 They also have a responsibility to: a) Pass on flow without obstruction, pollution or diversion affecting the rights of others. b) Accept flood flows through their land, even if caused by inadequate capacity downstream. c) Maintain the bed and banks of the watercourse (including trees and shrubs growing on the banks, and for clearing any debris, natural or otherwise, even if it did not originate on their land d) Keep the bed and banks clear from any matter that could cause an obstruction.
	Whilst riparian owners are under no common law duty to clear a watercourse that becomes silted or obstructed through natural causes, under statute law (S25 of the LD Act 1991) the EA, LLFA or IDB's <u>may</u> require and enforce them to carry out such works.

AN

Non-COWs

culvert

Highway Recharge

visits per

		Land	Drainage Screen l	Maintenance Schedule -fro	m 1st /	April 200)8
						N	on-C
Ref	Area	Parish	Location	Notes	Weeks between visits	Visits per year	High cul rela
W1	West	Chaffcombe	Knapps Lane (x2)	two screens u/st of village	4	13	
W2	West	Chard	51 Glynswood	screen near school playing field	4	13	1
W3	West	Chard	56 Fore Street	screens at end of channels (2 No.)			```
W4	West	Chard	Bews Lane	screens, silt traps, gratings (2 No.)	4	13	
W5	West	Chard	Business park	outfall and screen	4	13	``
W6	West	Chard	Campion Gardens	screen. Access via Oscar-Mayer (63781)	4	13	
		- · ·	L			1	

Appendix B - Schedules of Land Drainage Maintenance

Rei	Area	Pansn	Location	Notes	visits	year	cuivert related?	visits per year
W1	West	Chaffcombe	Knapps Lane (x2)	two screens u/st of village	4	13	N	year
	West	Chard	51 Glynswood	screen near school playing field	4	13	N	
	West	Chard	56 Fore Street	screens at end of channels (2 No.)	4	15	Y	0
	West	Chard	Bews Lane	screens, silt traps, gratings (2 No.)	4	13	N	0
	West	Chard	Business park	outfall and screen	4	13	Y	13
	West	Chard	Campion Gardens	screen. Access via Oscar-Mayer (63781)	4	13	N	13
	West	Chard	Dyehouse Lane	screen	4	13	N	
	West	Chard	Gas Works, Furnham Road	screen (Reeves yard)	4	13	N	
	West	Chard	Glanville Avenue	screens rear of Glanville Ave (2 No.)	4	13	N	
	West	Chard	Mount Hindrance Lane	screens/chambers (4 no.)	4	15	Y/N	
	West	Crewkerne			1	13	T/N	
			Blacknell Lane Trading Estate	screen	4	13		
	West	Crewkerne	Refuse tip	screen - contact property owner	4		N	40
	West	Crewkerne	Viney Bridge	screen u/st of main road	4	13	Y	13
	West	Dowlish Wake	Ford	screen u/st of ford	4	13	Y	13
	West	Dowlish Wake	Wallbridge Farm	screen at rear of farmhouse	2	26	N	
	West	Haselbury	Tamarisk (opposite White Horse)	-	4	13	N	
	West	Merriott	Court Mill	screen u/st of road, check pipe flow	4	13	Y	
	West	North Perrott		catchpits and culvert entrances (4)	4	13	N	
	West	Sea	Bere Mills Lane	catchpit	4	13	N	
	West	Tatworth	Parrocks Lane	grating, flap valve, etc (2 locations)	4	13	N	
	West	Tatworth	Pop Lane	grating, flap valve, etc (2 locations)	4	13	N	
	West	Tatworth	Witney Lane	grating, flap valve, etc (2 locations)	4	13	N	
	West	Combe St Nicholas	Nimmer Mills	screen (3 locations)	4	13	N	
	West	Merriott	Beadon Lane	2 screens + penstock	2	26	N	
	West	Merriott	Moorlands Road	1 screen	2	26	N	
	South	Alvington	Foxglove Way	screen at POS adjacent Foxglove Way	2	26	N	
S2	South	Barwick	Village hall	screen in village hall property	4	13	N	
	South	Yeovil	10 Preston Grove	screen u/st of Preston Grove	4	13	Y	
	South	Yeovil	Eastland Road	screen at Kiddles	2	26	N	
	South	Yeovil	Gazelle Road	screen (large) u/st of Gazelle Road	0.5	104	N	
	South	Yeovil	Grove Avenue	screen d/st of Preston Road	2	26	N	
	South	Yeovil	Mill Lane Trading Estate	screen u/st of Town Station car park	13	4	N	
	South	Yeovil	Ninesprings (Goldenstones)	screen (double, hinged) access difficult	2	26	N	
S13	South	Yeovil	14 West Park	screen upstream of West Park	2	26	N	
	North	Ash	Foldhill Lane	clear culvert inlet u/st of highway			Y	0
N2	North	Bower Hinton	Track rear of 50	screen at Talbot Car Sales	2	26	N	
N3	North	Bower Hinton	Track rear of 91	catchpit and grating at allotments	13	4	Ν	
	North	Compton Dundon	Moor Close (x 4)	four screens at Hayes Lane/Moor Close	13	4	Y/N	1
	North	Curry Rivel	Honeylands	screen at outfall rear of 'The Sycamores'	4	13	N	
	North	Curry Rivel	Parsonage Place	screen u/st of main road	13	4	Y	4
	North	Montacute	Myrtle Farm	u/st and d/st ends of channel	4	13	Ν	
	North	v	Davids Lane	clear three gratings & catchpits			Y	0
	North	v	Upton Lane	clear two gratings & catchpits			Y	0
N10	North	Seavington St Michael	Water Street at Meade Lane junc	clear pipe inlet			Y	0
N11	North	Seavington St Michael	Water Street (FP rear of Beeches	screen u/st of public footpath	4	13	N	
N12	North	Shepton Beauchamp	Field at Lambrook Road	outfall rear of Cowleaze, Lambrook Rd	4	13	N	
N13	North	Shepton Beauchamp	opp 2 Silver Street	clean out ditch outfall	4	13	Ν	
N14	North	Shepton Beauchamp	opp 4 Hillview, Sheepway	screen at end of roadside channel	4	13	Ν	

SCHEDULE OF LAND DRAINAGE MAINTENANCE - ALL AREAS (Excluding COWs) - 2011

N4CorN4cCorN5CurN 6CurN7DraN8HuiN9IltorN11MoiN13PitriN14SheN17StoiN18WeN19Isle	ower Hinton ompton Dundon ompton Dundon urry Rivel urry Rivel rayton uish Episcopi	MAFF Scheme No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	1983 1983 1984 1983 1985 1985 1982 1984 1982 1988 1982	Location Yeovil Road, Ash to Foldhill Lane Rear of Rose & Crown to Dimmocks Lane; Hoop Lane; Broad Lane Compton street, Combe Hollow Moor Close outfall ditch Parsonage Place - Dyers Road; Drayton Lane Portfield Lane East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations Buttle Close; Sheepway; rear of North St.;Silver St.;Lambrook Road	Winter length 175 360 294 188 245 105 5 5 10 5 10 130 332 300	Spring length 188 50	Total length 175 360 294 376 245 105 5 510 130 282
N1AshN3BowN4CorN4cCorN5CurN6CurN7DraN8HuirN9IltorN11MoiN13PitriN14SheN17StoN18WeN19Isle	sh ower Hinton ompton Dundon ompton Dundon urry Rivel urry Rivel rayton uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	NoYes	1973 1983 1983 1984 1983 1985 1982 1982 1988 1982	Yeovil Road, Ash to Foldhill Lane Rear of Rose & Crown to Dimmocks Lane; Hoop Lane; Broad Lane Compton street, Combe Hollow Moor Close outfall ditch Parsonage Place - Dyers Road; Drayton Lane Portfield Lane East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	175 360 294 188 245 105 5 510 130 332	188	175 360 294 376 245 105 5 510 130
N3BowN4CorN4cCorN5CurN6CurN7DraN8Hui:N9IltorN11MoiN13PitriN14SheN17StoN18WeN19Isle	ower Hinton ompton Dundon ompton Dundon urry Rivel urry Rivel rayton uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	1983 1983 1984 1983 1985 1985 1982 1984 1982 1988 1982	Rear of Rose & Crown to Dimmocks Lane; Hoop Lane; Broad Lane Compton street, Combe Hollow Moor Close outfall ditch Parsonage Place - Dyers Road; Drayton Lane Portfield Lane East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	360 294 188 245 105 5 510 130 332		360 294 376 245 105 5 510 130
N4 Cor N4c Cor N5 Cur N 6 Cur N7 Dra N9 Iltor N11 Mon N13 Pitr N14 She N17 Sto N18 We N19 Isle	ompton Dundon ompton Dundon urry Rivel urry Rivel rayton uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes	1983 1984 1983 1985 1982 1984 1982 1988 1982	Compton street, Combe Hollow Moor Close outfall ditch Parsonage Place - Dyers Road; Drayton Lane Portfield Lane East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	294 188 245 105 5 510 130 332		294 376 245 105 5 510 130
N4c Cor N5 Cur N 6 Cur N7 Dras N8 Huix N9 Iltor N11 Mon N13 Pitri N14 She N17 Sto N18 We N19 Isle	ompton Dundon urry Rivel urry Rivel rayton uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	NoYesYesYesYesYesYesYesYesYesYesYesYesYes	1984 1983 1985 1982 1984 1984 1988 1988 1982	Moor Close outfall ditch Parsonage Place - Dyers Road; Drayton Lane Portfield Lane East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	188 245 105 5 510 130 332		376 245 105 5 510 130
N5CurN 6CurN7DraN8Hui:N9IltorN11MoiN13PitriN14SheN17StoN18WeN19Isle	urry Rivel urry Rivel rayton uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	Yes Yes Yes Yes Yes Yes Yes Yes Yes	1984 1983 1985 1982 1984 1984 1988 1988 1982	Parsonage Place - Dyers Road; Drayton Lane Portfield Lane East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	245 105 5 510 130 332		245 105 5 510 130
N 6 Cur N7 Dra N 8 Hui: N9 Iltor N11 Moi N13 Pitri N14 Shei N17 Sto N18 We N19 Isle	urry Rivel rayton uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	Yes Yes Yes Yes Yes Yes Yes Yes	1983 1985 1982 1984 1982 1988 1988 1982	Portfield Lane East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	105 5 510 130 332	50	105 5 510 130
N7DraN8Hui:N9IltorN11MorN13PitrN14SheN17StoN18WeN19Isle	rayton uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	Yes Yes Yes Yes Yes Yes Yes Yes	1985 1982 1984 1982 1988 1988	East Street, roadside collector Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	5 510 130 332	50	5 510 130
N 8HuisN9IltorN11MoiN13PitriN14SheN17StoN18WeN19Isle	uish Episcopi on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	Yes Yes Yes Yes Yes Yes	1982 1984 1982 1988 1988	Wagg Drove, rear of MillBrook Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	510 130 332	50	130
N9IltorN11MoiN13PitriN14SheiN17StoiN18WeiN19Islei	on ontacute itney hepton Beauchamp tocklinch //estport le Brewers	Yes Yes Yes Yes Yes Yes	1984 1982 1988 1982	Podgers Lane Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	130 332	50	130
N11MoiN13PitriN14SheiN17StoN18WeiN19Islei	ontacute itney hepton Beauchamp tocklinch /estport le Brewers	Yes Yes Yes Yes Yes	1982 1988 1982	Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations	332	50	
N13PitrN14SheN17StoN18WeN19Isle	itney hepton Beauchamp tocklinch /estport le Brewers	Yes Yes Yes Yes	1982 1988 1982	Townsend, rear of Yeovil Road, Montacute Park, Mill Copse Various locations		50	200
N14 She N17 Sto N18 We N19 Isle	hepton Beauchamp tocklinch /estport le Brewers	Yes Yes Yes	1982		300		382
N17 Sto N18 We N19 Isle	tocklinch /estport le Brewers	Yes Yes		Buttle Close: Sheepway: rear of North St.:Silver St.:Lambrook Road	0000	70	370
N18 We N19 Isle	/estport le Brewers	Yes	1990		318	75	393
N19 Isle	le Brewers			Stoney Lane, Owl Street	85		85
			1984	B3168	710		710
N20 Sea	eavington	Yes	1997	Monks Dairy to Northmead Lane	85		85
	-	Yes	1997	Water St (ditch d/st of Winchester Cotts)	250		250
				Total for Area North	4092	383	4475
	arwick	Yes		Village Hall, Mill lane	25		25
	eovil	No	1984	Western relief road - Watercombe Lane	273		273
	eovil	No		Mill Lane (culverted in 2011)			
	eovil	Yes		Ninesprings	418		418
S8 Yeo		No		Bell Inn, Preston Road	170		170
	eovil	No		Larkhill Road	60		60
S11 Yeo	eovil	No		Friars Avenue / Abbey Manor	<mark>85</mark>		85
				Total for Area South	1031	0	1031
E1 Bar	arton St David	Yes	1982	Church Street, Brook Lane, Gregory's Orchard	90		90
	lackford	Yes		Adj. Church, Manor Farm	65		65
E4 Had	adspen	Yes		Pond opposite Hadspen House	80	10	90
	ilborne Port	Yes		Higher Kingsbury, West Hill bridge, Rosemary Street, Brookside	155		155
	parkford	Yes		Church Road	90		90
	reat Hatherleigh	No		By-pass channel at Great Hatherleigh Farm	155		155
E10 Wir	/incanton	No	1989	Business Park - A371 - River cale	337		337
				Total for Area East	972	10	982
W1 Asł	shill	Yes	1984	Kenny Bridge (10m upstream and 80m d/st)	90		90
	haffcombe	Yes		Chaffcombe(Chard Road)	88		88
	hard Junction	Yes		Station House to disused railway line	200		200
	ombe St Nicholas	Yes		Nimmer	200		200
	owlish Ford/Sea	Yes		Clark's factory; Yarn Barton, Sea	496	188	684
	owlish Wake	Yes		Main street & Bryants, etc	630	360	990
	erriott	Yes		Moorlands House to Moorland Court; Moorlands Road to Rill House	231	500	231
	orth Perrott	Yes		Downclose lane; Grey Abbey Hill	20		201
	atworth (Bulls Lane, etc)	Yes		Waterlake Farm; Wreath Green; Loveridges Lane; Waterlake Road - Bulls	380	20	400
	atworth (ponds, etc)	Yes		5 No. storage ponds at Pop Lane, Parrocks Lane, Witney Lane	660	20	660
	atworth (Coombses)	Yes		Lower Coombses /Waterlake Road; Forton	400		400

COW = Critical Ordinary Watercourse