

**THE PLAN ACTIONS**  
**Status Report – May-June 2015**

Action completed:



Colour code key to Tables:



**Funding – How much does it cost?**

Funded



Funding source identified, but not fully secured



Funding source to be identified

| No.                                  | ACTION   | GENERAL PROGRESS - STATUS   | WHEN                       | HOW MUCH DOES IT COST?                           | WHO LEADS IT?   |
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| <b>DREDGING AND RIVER MANAGEMENT</b> |  |   |                            |  |   |
| <b>W1.1</b>                          | <b>Initial dredge</b>  |   |                            |  |   |
| W1.1.1                               | Dredge 4km of River Tone upstream of Burrowbridge and 4km of the River Parrett below their confluence at Burrowbridge, to 1960s river profile. | 8km dredge complete.  | To start by end March 2014 | £5.7m  | EA  |
| W1.1.2                               | Maintaining newly dredged profiles   | <b>The results of the original post construction dredging survey have been reviewed and further consideration is being given to the procurement strategy and delivery methods for the maintenance work to ensure that the works are delivered as efficiently as possible. This has caused some minor delays in the contract preparation but works are still expected to start in the Autumn</b> | 2015/16                    | £487k from SRA Enhanced Maintenance Programme    | Somerset Rivers Authority (IDB as Technical commissioner) |
|                                      |  | 2016/2017 needs to be met from new SRA funding  | 2016/17                    |  |   |
| <b>W1.2</b>                          | <b>Additional dredging</b>   |   |                            |  |   |
| W1.2.1                               | Review effectiveness of dredging and identify additional suitable locations across the catchment, as appropriate                               | Technical reports for the 'effectiveness of additional dredging at 10 additional sites' complete  | 2014                       | From existing resources and IDB precept funding. | EA  |

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| W1.2.2      | Implement additional dredging as appropriate  | <p><b>Tenders have been assessed and the Environment Agency are in the final stages of tender clarification. Details on the preferred tenderer, working methods, programme and cost will be discussed with the SRA Management Group in early July. Works are planned to start in October.</b></p> <p><b>Hixham Rhyne - A visual inspection of the upstream reaches has concluded that last year's work by the EA has largely restored the channel to adequate capacity. An inspection of the downstream reaches is programmed to be carried out in July</b></p> | 2015-2016    | >£3m available over 2 years via Growth Deal 1 and SRA Enhanced Maintenance Programme            | Somerset Rivers Authority (EA as Technical commissioner for Parrett and Cripps, IDB for Brue) |
| W1.1.3      | Maintaining additional dredged profiles   | Not needed until 2016/17. Aim to fund via new SRA funding mechanism   | 2016 onwards | £?/yr   | Somerset Rivers Authority (IDB as Technical Commissioner)                                     |
| <b>W1.3</b> | <b>Maintenance of river systems</b>   |   |              |   |   |
| W1.3.1      | Maintain rivers and small watercourses to achieve conveyance most effectively to existing standards | EA's and IDB's annual routine maintenance programme for 14/15 was delivered   | On-going     | Maintenance allocation for 15/16 for the Brue & Axe, Tone & Parrett and North Somerset is £2.5m | EA, IDBs, and landowners  |
| W1.3.2      | Additional maintenance  | <p><b>Progress is being made on all aspects of the EMP. Detailed investigation has shown some identified work is no longer required, whilst some additional items have recently been requested. The details of these will be taken to the SRA Board July meeting for a decision to be made.</b></p>   | 2015/16      | £400k from Enhanced Maintenance Programme   | Somerset Rivers Authority (Technical Commissioners EA, IDB and SCC)                           |
|             |   |   | 2016/17      | Unfunded  |   |

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| W1.3.3      | Enhance role of voluntary rhyesmen to inspect, undertake small scale maintenance activities and liaise with the IDBs and SCC to identify where riparian owner works are required, ensuring local knowledge of drainage network is captured and retained. | Additional monies for step up in enforcement activity by IDBs and SCC secured within SRA interim funding.<br>Job description finalised and passed to SCC Operations for recruiting   | After April 2015 | £50k from Enhanced Maintenance Programme                                   | Somerset Rivers Authority (Technical Commissioners and IDB) SCC |
| <b>W1.4</b> | <b>Small improvements and repairs</b>  |  |                  |  |   |
| W1.4.1      | Review effectiveness of temporary operations and if appropriate install permanent infrastructure to enable temporary pumping sites at Dunball Sluice and Northmoor as well as Bridgwater Taunton Canal for future use                                    | Dunball: temporary pump platform and compound now complete.<br>Northmoor Pumping Station: to convert existing pumps is complete.<br>Existing discharge culvert repairs are complete.<br><b>New emergency access road through the EA compound is complete.</b> The temporary pump pipework has been installed | By March 2015    | £200k (Dunball from Defra £10m) £170k (Northmoor) from Asset Repair Budget | EA  |
| W1.4.2      | Consider making permanent existing temporary local protection e.g. at Aller, Westonzoyland and others  | Aller Drove: complete.<br><b>Westonzoyland: New flood defence scheme is complete</b>   | 2014/2015        | £500k from Defra £10m  | EA and others   |
| W1.4.3      | Repair and reinstate existing river and flood banks and spillways  | All damaged flood defences now reinstated to pre-flood level.<br>Some reseedling of banks and spillways still being completed.<br>EA carrying out business as usual work of strengthening the banks  | End October 2014 | £3.7m from Defra £10m. Rest from national Flood Recovery funding.          | EA  |

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| W1.4.4      | Review and where appropriate Implement small scale ring bank improvements e.g. Thorney village and Thorney Pottery.                             | Thorney Village ringbank complete.<br><b>Community led opening ceremony held on Saturday 20<sup>th</sup> June</b><br><br><b>Thorney pottery ringbank and road ramp now complete.</b>  | By end Mar 15     | Thorney Village £174k SCC, SSDC, IDB and PC funded.<br><br>Thorney Pottery – EA Funded. Road ramp by EA & SCC | IDBs Technical Commissioner, delivered by IDB contractor. |
| <b>W1.5</b> | <b>Operating Plans and Procedures</b>   |   |                   |   |   |
| W1.5.1      | Review impact of existing water level management plans on 2013/14 flood event   | Action complete. Report findings now being rolled out to community groups.  | 2014/15           | Staff time only   | IDBs and NE   |
| W1.5.2      | Develop a Flood Risk Management Strategy for Levels and Moors 'Trigger Level Operational Document'.   | Trigger level documents' complete These have been rolled out at over 30 public/partner meetings. They have been well received<br><br>Separate piece of work to improve visualisation of the outputs is underway and is being completed by the EA  | 1 October 2014    | Staff time only<br><br>Funding required for visualisation work  | EA, in consultation with other partners.                  |
| <b>W1.6</b> | <b>Sowey/Kings Sedgemoor Drain Capacity Improvements:</b>   |   |                   |   |   |
| W1.6.1      | Develop options for increasing the capacity of the Sowey/Kings Sedgemoor Drain system<br><br>(Phase 3 Sowey/KSD scheme – see W4.6 for Phase 1). | Wider appraisal and development of the Sowey/KSD options to deliver the £6m in 16/17 on-going.<br>The outline preferred option was presented to the Management Group in April and it was agreed that the EA should proceed with developing this option further.   | April 2015        | £150k-£200k from Defra £10m.  | EA  |
| W1.6.3      | Deliver an effective scheme to increase capacity of the Sowey/Kings Sedgemoor drain system phase 3  | Design for Environment Agency Phase 3 works at Beer Wall underway.<br><br><b>Planning application has been submitted to Sedgemoor District Council and South Somerset District Council. To maximise cost savings the EA will be using SCC's contractor (Skanska) who is already on site. Phase 3 will commence late</b> | Start summer 2015 | £8m available from Local Growth Deal 1 via LEP  | EA  |

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|                        |  | <b>July/early August, but is dependent on the planning determination</b>   |  |  |  |
| <b>W1.7</b>            | <b>Accelerate the construction of a Barrier or Sluice at Bridgwater</b>  |  |  |  |  |
| W1.7.1                 | Review design options for Bridgwater tidal barrier/sluice  | <b>Engineering consultancy support scope being agreed with Sedgemoor project Team. Project team are learning lessons from other similar barrier projects around the country. Important to get the project scope and direction right from the outset.</b>   | April 2015                                       | £20k (from DEFRA £10m)<br>15/16 Growth Deal 1 and Community Infrastructure Levy funding.<br>16/17 and beyond Growth Deal 1 and Community Infrastructure Levy | EA   |
| W1.7.2                 | Discussions to identify approaches to accelerate the build programme and financing of the barrage/sluice         | Programme for delivery suggested in the options review report. Follows on from action W1.7.1.  | By April 2015                                    |  | SDC, EA, central government                        |
| W1.7.3                 | Build Bridgwater tidal barrier/sluice  | Work not due to start yet.   | By 2024  | <b>Total cost £27-30m<br/>No funding solution yet to construction cost</b>   | SDC, EA and developers/investors                   |
| W1.8<br>(Was W6.2.1)   | Expand existing river models to assess effectiveness of actions and identify most cost effective options         | Phase 2- Work to assess the hydraulic impact of a number of the medium term (2-5 years) 20 year plan actions as identified in work stream 6.<br><br><b>The modelling outputs (e.g impact of the Dredge) are with the Minister, having been discussed and agreed with Defra. This modelling briefing will be shared with partners using normal routes once available.</b> | Autumn 2014<br><br>Phase 2 results due June 2015 | £230k from Defra £10m  | EA   |
| <b>LAND MANAGEMENT</b> |  |  |  |  |  |
| W2.1<br>(was           | Somerset partners to pilot, with support from Defra, an integrated advice and support package to promote natural | Carried out targeting and scoping works: Ground trothing flow pathway maps, Soil water storage capacity mapping, Run-off   | 2015   | Approx £1.625m for a 2 year project<br>£0.75m on scoping,  | Partnership of NE and FWAG/RSPB/ SWT//Royal Bath & |

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| <p>W2.1.1,<br/>W2.1.2<br/>W2.1.3 &amp;<br/>W2.1.4)</p> | <p>flood management and land management adaption throughout the catchment</p> <ul style="list-style-type: none"> <li>• Carry out scoping work to identify target areas that can make the biggest contribution to natural flood management</li> <li>• Encourage adoption of land management practices that intercept and retain water, reduce run off and erosion, slow the flow, and maximise the benefits from natural flood management in <u>upper and mid catchment areas</u></li> <li>• Support adoption of more flood resilient farming systems, voluntary adaption, restructuring and relocation of farm businesses in <u>lower catchment areas</u></li> <li>• Support land management adaption in association with Sowy proposals</li> <li>• A locally administered capital grant to fund implementation natural flood management measures and features in the landscape</li> </ul> | <p>attenuation feature modelling.</p> <p>Begun site selection work for run-off attenuation features.</p> <p>Advisory team for land management advice and support is in place</p> <p>Farm visits begun and first Capital Grant Scheme applied for and completed</p> <p>Awarded £34K for Woody Debris Dam work from Catchment Partnership Action fund for Woody Debris Dam project</p> <p>Submitted expression of interest to EU Interegg Two Seas programme</p> <p>Fully funded for 2015/16 but still short for 2016/17</p> |                   | <p>targeting and survey<br/>£0.8m on advisory and specialist technical support<br/>£0.75m capital grant<br/>Funding:<br/>£550k allocation from Local Growth Deal 1 for 2015/16 and 2016/17<br/>£573k from Dream Fund<br/>£100k from Princes' Countryside Fund<br/>£34k from Catchment Partnership Action Fund<br/>£12k from SRA</p> | <p>West</p>  |
| <p>W2.2<br/>(was<br/>W2.1.5)</p>                       | <p>Seek new funding to restore or create new wetland habitats, within the whole catchment, that will absorb more water and support for flood resilient farming</p>   | <p>Work progressing, business as usual</p>   | <p>On-going</p>   | <p>Approx. £0.55m pa additional to current budgets – possible future bid from B&amp;W</p>   | <p>Partnership of RSPB/NE/IDB/FWAG/Royal Bath &amp; West/SWT</p> |
| <p>W2.3<br/>(was<br/>W2.7 &amp;<br/>W2.7.1)</p>        | <p><b>Sustainable, long-term land management solutions on the Somerset Levels &amp; Moors</b></p> <ul style="list-style-type: none"> <li>• Development an “Ecological Enterprise Zone” on the floodplains, where businesses are encouraged and supported to make more use of the economic value of the outstanding environmental quality of the Levels and Moors</li> <li>• Pilot a locally operated Payment for Ecosystem Services scheme to demonstrate how new funding</li> </ul>   | <p>SRA has agreed to support the development of the Wetland Biomass project in 2015/16</p> <p>Bids being explored for ‘Nature Tourism’ Project</p>   | <p>April 2015</p> | <p>Approx. £0.12m in total – bid included within B&amp;W fundraising efforts</p>  | <p>RSPB/ SWT/ FWAG/ Royal Bath &amp; West</p>                    |

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|                               | mechanisms can enable changes in land and water management   |  |             |  |  |
| W2.4                          | Review current High Level Stewardship schemes at their 5 year break clauses and agree adaptations to take account of flood protection benefits where the benefits are deemed significant   | NE Desk study approach to commence mid 2015  | Autumn 2015 | With current funding                               | NE   |
| W2.5                          | Ensure that next Agri-Environment scheme (NELMS) takes into account benefits from natural flood management. Encourage take up and use of environmental land management schemes, including woodland planting  | Now called Countryside Stewardship   | From 2016   | With current funding                               | NE, IDBs, Forestry Commission with FWAG/ RSPB/ SWT/ NFU/ CLA/ Local Nature Partnership |
| W2.6                          | Put in place simplified approvals process to allow land managers to carry out work on the minor watercourses and ditches, where there is no increase in flood risk and within a strategic framework  | Underway with agreement already in place with lead local flood authority. Work for arrangements with EA on main river has been agreed.   | March 2015  | Staff time   | SCC, EA & IDB  |
| W2.7<br>(Was W2.8)            | Defra will consider how best to secure flood risk benefits in the forthcoming decisions on approaches to all Common Agricultural Policy (CAP) funding  | In progress. The new CAP will start in 2015. Decisions on implementation of the new schemes will be made in the course of this year.   | Jan 2015    | Staff time   | Defra  |
| W2.8<br>(Was W2.9)            | Examine innovative mechanisms such as developing a Community Land Management Trust to support a Land Swap/Transfer/Purchase Scheme   | Delivery of Phase 1 under the Levels and Moors Task Force has commenced.   | April 2016  | Staff capacity appointed – funded under Dream Fund | SCC, EA, NE RSPB, SWT  |
| <b>URBAN WATER MANAGEMENT</b> |  |  |             |  |  |
| W3.1                          | SCC as the Lead Local Flood Authority will provide an easy to use online source of expert guidance on the design and delivery of sustainable drainage systems (SuDS) for planners and developers. This will include examples of success, and bespoke advice for major sites. | General guidance completed. This will now be supplemented with Somerset specific requirements which will then be adopted by the LPA's. Draft contents list for Somerset specific guidance circulated to LPAs for comment. Suggested locally required information for surface water drainage also circulated. | April 15    | Funded business as usual                           | Somerset Council County  |

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| W3.2                       | LPAs with Somerset County Council will determine* whether national SuDS Approving Body standards are sufficient for the requirements in Somerset and whether more robust standards are needed. A new Supplementary Planning Document (SPD) will be produced, if required, to meet district and local needs.<br>*following enactment w.e.f. April 2015                                 | The decision not to implement SABs and changes to NPPF will inevitably place greater emphasis on local planning policy.<br><br>A further meeting of SCC (as LLFA), the EA and the district Planning Authorities has been held to consider implications of the draft guidance and to determine what actions are needed in order to ensure the provision and maintenance of SuDS on new development.<br><br>Guidance developed by SCC in anticipation of becoming a SAB will now be adopted as an SPD by the LPA's. | Review by April 2015   | Funded business as usual  | SCC, (supported by Districts) |
| W3.3<br>No longer relevant | Somerset County Council as the SAB will provide advice to people and businesses so they can reduce runoff from existing premises and developments.  | Legislation to make SCC the SuDS Approval Body has now been dropped by central government.  | By March 2015  | Funded business as usual  | Somerset County Council       |
| W3.4                       | Authorities will work with public and private organisations that occupy large areas to encourage them to use permeable materials and install SUDS when they replace or maintain hard surfaces.  | A funding request to an Interegg 2 Seas project 'The city as a sponge' with partners in The Netherlands, Belgium and Essex, has been submitted.<br><br><b>Following the project partner meeting on 27/5 it has been agreed to delay the full application to Interegg until the second call later in the year to give more time to combine with the ADEPT project.</b>   | On-going   | Owners of land to provide solutions or alternatively to fund works downstream | DEFRA/SCC/ LPAs               |
| W3.5                       | All Somerset LPAs will review their planning policy with regard to flooding and if necessary develop local policies (in line with National Planning Policy Framework) in light of recent extreme events in Somerset. This will include consideration of what development within the flood plain is admissible. All Somerset LPAs will review their condition compliance / enforcement | The decision not to implement SABs and changes to NPPF has placed greater emphasis on local planning policy but has not helped with securing long term maintenance. Investigations underway as to whether byelaws that require maintenance of SuDs by the owner are possible and whether they would be effective.   | Review to be completed by mid 2015 and implemented as soon as plans are reviewed | Funded business as usual  | LPAs                          |



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|       | processes to ensure that any flood risk mitigation measures covered by condition / S106 Agreement is delivered.   |   |              |  |  |
| W3.6  | Local Authorities will maximise the opportunities to reduce downstream flooding whilst delivering planned growth.<br>They will identify and deliver strategic flood mitigation sites upstream of developments including the planned flood alleviation reservoir between Wellington and Taunton. | Outcomes from first stage feasibility have been published and signed off by TDBC Members<br><br>Project Planning for next stage of project underway additional resource is being put in place by TDBC and funding for phase 2 of project (detailed feasibility, land acquisition etc) being put in place  | 2016-19      | £13m but depends on size of scheme – likely to include substantial contributions from developers and possible CIL. | EA, LAs  |
| W3.7  | SCC (as Lead Flood Authority), LPAs, EA and Wessex Water will identify hotspots with a high risk of urban run off and put in place appropriate schemes and identify funding to tackle the problems  | Data has been gathered to identify flooding ‘hotspots’, working with SCC Highways department and Wessex Water. Schemes have now been added to the Common Works Programme. Some sites will require longer term studies in order to develop possible solutions.   | 2015         | Dependent on size and number of schemes. May require funding over and above existing SCC budgets                   | SCC, Local Authorities, EA, Wessex Water via the Regeneration Directors’ Group |
| W3.8  | Wessex Water will improve the performance of combined storm overflows in Bridgwater to reduce the volume of spill by 50% and undertaking some integrated urban drainage in Bridgwater   | Wessex Water included these improvements in their business plan that was submitted to Ofwat in December 2013.   | By 2020      | £18m   | Wessex Water   |
| W3.9  | Defra will ensure that the Planning Inspectorate has regard to this plan in determining appeals   | Defra Minister has written to Planning Inspectorate. Contact with DCLG established. Action complete   | By June 2014 | Defra staff time   | Defra  |
| W3.10 | Review effectiveness of existing significant SuDS schemes. This follows public concern over the impact of poorly maintained/inoperable existing SuDs schemes on recent flooding.  | Each LPA has identified potentially suitable sites for review. Taking into account limited in house resource available and the benefits of any review being seen to be impartial; options for funding consultants to carry out this work will need to be explored as there is insufficient drainage resource in house to carry out this work.<br>Bid for funding under review by SRA Management Group |              | Unknown  |  |

| RESILIENT INFRASTRUCTURE  |  |   |                                |                                       |                              |
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| W4.1                      | Deep clean of system, including review and survey of gullies and culverts  | This strand is now completed and all works have been done.  | Completed                      | £1.7m (covered by Bellwin)            | SCC/Highways Agency          |
| W4.2                      | Pre-placed road closure gates and signage (for diversionary routes) for roads that are at risk of flooding                               | Road closure gates still with Operations Team – no start date for implementation available although the diversion signs are being installed.  | 2015                           | £75k                                  | SCC                          |
| W4.3                      | Repair and resurface damaged roads, using materials and road marking more resilient to flooding, allowing faster recovery in the future. | There is not the need that was expected when the plan was written for whole scale resurfacing across the Levels and Moors. Money assigned to this action will be used to help fund the Muchelney and Beer Wall infrastructure schemes. It is proposed that if surfacing and road repair is still required any remaining budget will be used for this or existing highway maintenance budgets. | By winter 2014                 | £1.6m                                 | SCC                          |
| W4.4.                     | Raise the road(s) to Muchelney. Short term solution (one of either west or south roads) to be delivered by next winter.                  | The project has been completed and the road was opened on 21st February. The opening ceremony was well attended and letters of thanks were received from the community.   | Mid February 2015              | c£20k Feasibility study<br>c£3m works |                              |
| W4.5                      | Implement minor flood alleviation management schemes e.g. to reduce road flooding of the strategic network.                              | The £200k fund has been fully allocated to 26 projects and we have been notified that work on <b>24 schemes has been completed. One remains to be completed but is progressing and one will not be going ahead</b>  | By March 31 <sup>st</sup> 2015 | £200k in 2014                         | SCC                          |
| W4.6<br>(Was W1.6.2)      | Phase 1 and 2 Sowy/KSD: Undertake appropriate road works on A372 at Beer Wall to enable the River Sow channel to be widened.             | Phase 2 commenced on 7 <sup>th</sup> April. An emerging design issue has meant that amendments need to be made and this may delay completion by up to 4 weeks. The project team are trying to minimize the impact as much as possible.  | June 2015                      | c£5.7m                                | SCC with EA                  |
| BUILDING LOCAL RESILIENCE |  |   |                                |                                       |                              |
| W5.1                      | <b>During Recovery</b> Deliver a dedicated programme of targeted support to help   | A brief has been agreed with the National Flood Forum to carry out a  | June 2015                      |                                       | Somerset Civil Contingencies |

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|        | individuals, farms, businesses and neighbourhoods to recover, including help to access resources and advice from existing and future Govt. and local agency programmes including the Somerset Community Foundation. Citizens Advise Bureau and partners to Somerset Emergency Voluntary Agencies Group (SEVAG). | review of recovery activity in order to identify lessons in planning for future emergencies.<br><br>Debrief process expected to commence at the beginning of June 2015   |                         |   | Partnership supported by sector-led support programmes. |
| W5.1.1 | Local Authorities to administer local allocations from Government Flood Support Schemes. EG Repair and Renew grants; council tax rebates; NNDR Hardship Relief schemes; plus local schemes as agreed by each local authority (e.g. council tax, NNDR, loans and grants).  | There has been an extension offered by Government to the Repair & renewal grant scheme.<br><br>Final information notices have been circulated.   | June 2015               |   |   |
| W5.1.2 | Ensure local access and take-up of other forms of support e.g. Farm Recovery Fund (DEFRA); Specialist agricultural and small business advice from banks; Rural Business Support Scheme  | Complete   | March 2015              |   |   |
| W5.1.3 | Continue to offer support to neighbourhoods / parishes to review and create local flood plans   | Linked and integrated with Action 5.3. See below.  | April 2014 onwards      |   |   |
| W5.1.4 | Establish sustainable funding and support for CRISP – Community Resilience in Somerset Project.   | The CCU Officer has been tasked with identifying funding requirements, identifying and evaluating funding opportunities, and making recommendations.<br>Report due in August 2015, and it is intended to inform future SRA and SLACCP role for funding negotiations. | Funded until March 2016 | £30k to 2016, but needs longer term sustainable funding |   |
| W5.1.5 | Ensure that all the learning from the Incident debriefs are embedded into this Plan and our Response Plans going forward  | Somerset Levels And Moors Flood Resilience<br>Community Response Arrangements 2014/15' document is now live  | 2014                    |   |   |
| W5.2   | <b>Somerset Resilience Website –</b>  | First version of website now online.   | Sept 2015               | £25k  | Somerset Civil  |

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|        | CRISP to continue their work to improve existing website presence to provide a comprehensive and easy to access information source for resilience, linked to flood risk information   | New features have been added for example recently added a map to show resilient communities and those communities developing resilience  |                              |   | Contingencies Partnership supported by sector-led support programmes.                |
| W5.3   | <b>Build household, farm, business and neighbourhood level flood resilience –</b><br>.  | <p>Flood planning continues with the affected communities. Very close and effective working between the Community Resilience &amp; Recovery officer and EA officers to support, advise and assist the emerging community groups. The first plan, covering Moorland, Fordgate and West Yeo, is nearing completion.</p> <p>Plans for Burrowbridge, Aller and Oath are under active development.</p> <p>Muchelney/Thorney understood to have refreshed their arrangements.</p> <p>This work brings together key information from the EA Triggers Document and the Somerset Levels and Moors Flood Resilience Community Response Arrangements.</p> <p>Working with each District Council to identify communities for the 2<sup>nd</sup> phase of community flood planning.</p> | Up to 2016/17 funded via FAP | £100k for 2 yrs, then longer term sustainability through business as usual via the Civil Contingencies Partnership. | Somerset Civil Contingencies Partnership supported by sector-led support programmes. |
| W5.3.1 | Support locally led action to plan, design and implement solutions to increase resilience, community preparedness and to adapt (including voluntary relocation). Use and learn from best practice for example through LGA network; National Flood Forum, the new national Community Prepared hub and Defra community resilience pathfinder projects. To include Flood | <b>As above</b>  |                              |   |  |

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|   | Plans, small scale flood mitigation/protection schemes and equipment/boats to increase local resilience   |   |             |  |   |
| W5.4  | <b>Ensure households, farm, business and neighbourhoods can obtain affordable and comprehensive insurance</b> – including advice to households on available insurance through the new national Flood Re approach.   | An agreement between UK insurers and the Government to develop a no-for-profit company “Flood Recovery” will allow insurers to pass the flood risk element of a home insurance policy into a fund that will pay any subsequent flood claim. This will mean that high flood risk households will still be able to obtain affordably priced flood insurance.<br><br>Support and advice being provided to residents with current insurance dispute issues through Recovery.<br>A new strategy to sell the new Somerset position to insurers is being developed following the stock take discussions and workshop | March 2016  | Staff time   | Defra   |
| W5.5  | Help ensure Somerset is seen as good place to do business as well as ensure tourism businesses become more resilient to flooding  | Business Recovery Group requirements being refreshed as part of the five year planning work.  | now         | Still requires further assessment.                 | Tourism Businesses/<br>STA/Somerset Chambers<br>of Commerce |
| <b>FUNDING AND DELIVERY OF LINKED, LONG TERM FRM AND RESILIENT INFRASTRUCTURE</b> |   |   |             |  |   |
| <b>W6.1</b>   | <b>Making the Business Case</b>   |   |             |  |   |
| W6.1.1  | Defra, working with other government departments, will ensure that the impacts of long lasting floods on communities, the economy and strategic connectivity are properly recognised as part of the cost-benefit case for flood defence and connectivity infrastructure | Defra has confirmed that the national project to assess the impacts of the 2013/14 flooding will inform this process.<br><br>The National project is undergoing a final peer review and the results will be available in June 2015.   | June 2015   | Business as usual                                  | Defra   |
| W6.1.2  | Economic Impact Study to assess the local and strategic economic cost of the floods on businesses, agriculture, road, rail, and utilities infrastructure to   | The final report will be published by the end of Summer 2015  | Summer 2015 | Budget within new target but greater than original | SCC/EA  |

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|             | support investment case   |   |            |                                    |                                  |
| W6.1.3      | Identify flooding and economic scenarios  | Economic scenarios broadly identified and included in consultants brief. Flood scenarios agreed, mapped and given to consultants.   | Complete   | Business as usual                  | EA                               |
| W6.1.4      | Identify funding streams for investment and maintenance   | This will be dependent on the residual risk following implementation of the “no regrets” actions and is therefore dependent on modelling outcomes and an engineering interpretation of the findings.<br><br>Residual risk will then be discussed with key infrastructure providers to gauge their reaction to the reduced risk. | July 2015  | Business as usual                  | EA                               |
| <b>W6.2</b> | <b>Developing the Flood Risk Management Options</b>   |   |            |                                    |                                  |
| W6.2.2      | Improve pumping capacity and operation, including upgrading Northmoor pumping station as appropriate. | Modelling work will include an assessment of the impact of pump operation.  | 2-10 years | £3.5m                              | EA and other local partners      |
| W6.2.3      | Further local protection e.g. ring banks, around communities  | Appraising options to determine need and scale of further community ring banks to utilise dredged silt stockpile.   | 2-10 years | £170k (funded)<br>£2.4m (unfunded) | EA and other local partners      |
| W6.2.4      | Improve the condition and raise flood banks and spillways   | Included in options modelling work  | 2-10 years | £10m                               | EA and other local partners      |
| W6.2.5      | Setting back defences to increase river channels and create floodplain within widened river channel   | Included in options modelling work  | 2-10 years | £3m                                | EA and other local partners      |
| W6.2.6      | Spreading floodwater across the moors more evenly e.g. Improved Lyng cutting                          | Included in options modelling work  | 2-10 years | £2m + ongoing costs of £200k pa    | EA, IDB and other local partners |
| W6.2.7      | Create temporary flood storage areas particularly in the mid catchments – 500 ha within 20 years      | Included in options modelling work  | 2-10 years | £7m over 20 years                  | EA and other local partners      |
| <b>W6.3</b> | <b>Developing the Infrastructure Options</b>  |   |            |                                    |                                  |

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| W6.3.1 | Raise level of the A361 (East Lyng to Burrowbridge)<br><br>EA to identify appropriate assumption re how low they can get the flood water<br><br>Feasibility study to identify appropriate engineering solution<br><br>Estimate of cost of work | Commercial discussions have taken place with the consultants regarding costings.<br>The Task Order has now started.   | 2-10 years<br>Feasibility study will be completed by June 2015. | Initial estimates suggest<br><br>c.£80k (Feasibility)<br>c.£25m+ depending on scheme and EA linked solution | Requires local and central government partnership approach as local government could not afford to fund this scheme alone |
| W6.3.2 | Design and implement road raising schemes to ensure access for communities   | Waiting for Feasibility studies and EA options  | 2-10 years  | ???   |   |
| W6.3.3 | Feasibility and assessment studies to identify key priorities for road schemes to ensure local access and delivery of schemes.   | Pibsbury identified as location for next feasibility study if EA can't solve problem  | 2-10 years  | Feasibility study<br>c£100k   | Requires local and central government approach  |
| W6.3.4 | A303 improvements to increase resilience, following Highways Agency feasibility study  | Currently looking to start design in 15/16 and start building in 16/17  | 2-10 years  | To be determined  | Highways Agency   |
| W6.3.5 | Network Rail to identify best value options for ensuring the resilience of 4.5 miles stretch of railway between Taunton and Bridgwater and to implement the findings   | Network Rail has already invested £31m in general resilience works. Initial estimates prepared, to be informed by strategic assessment of the flood risk management options (Version 2 currently being reviewed) but unlikely to identify need to invest in additional flood resilience measures. | 2-10 years  |   | Network Rail  |
| W6.3.6 | Assess risk and as necessary implement flood alleviation measures at National Grid's Bridgwater electricity substation and Western Power's substations   | National Grid & Western Power Distribution have confirmed that resilience works have already been undertaken at this site. Risk threshold 1:1000  | 2-10 years  | Funding secured via Ofgen. Settlement subject to categorisation of risk to the site.                        | National Grid, Western Power  |
| W6.3.7 | Assess risk and as necessary implement flood alleviation measures to ensure mains water supply is unaffected by or can be maintained in flooding event   | Most risks to water supply can be mitigated by rezoning in the event of failure where repairs cannot be carried out. Possible need for temporary supply boosters for Muchelney & Thorney if Spine Main spur failed and could not be   | 2-5 years   | All water supply and sewerage related interventions are funded.   | WW and BW   |

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|  |  | repaired.   |   |   |                          |
| W6.3.8   | Assess risk and as necessary implement flood alleviation measures to ensure telecommunications can be maintained in flooding event | No information has been offered to date suggesting that there are major flood related telecoms issues.  | 2-10 years  |   | BT                       |
| <b>SOMERSET RIVERS AUTHORITY</b>               |  |   |   |   |                          |
| W7.1   | Establish the purpose and scope of the Somerset rivers board   | Scope and purpose of core proposal endorsed in principle by Project Key Partners Group 12.06.14, and Leaders Implementation Group 20.06.14.   | June 2014   | £91k funded   | IDBs/SCC with EA and DCs |
| W7.2   | Develop and agree options  | Preferred option for all elements confirmed by December 2014.   | Sept 2014   | £30k additional funding for 2014/15 underwritten by SCC to enable SRA to progress.  | IDBs/SCC with EA and DCs |
| W7.3   | Set up structures, systems and governance  | Review Team (DCLG, Defra and SRA) looking at options for a sustainable local funding solution for the SRA from 2016/17. A stakeholder workshop to be held in July to share the results of the Review. The Review report to be put before ministers in July 2015.  | March 2015 for initial set up. March 2016 for sustainable funding | Staff time funded by Defra capacity building (2014/15 and Interim funding (2015/16. Funding totalling £2.7m for Enhanced Maintenance and developing the SRA available in 2015/16. | IDBs/SCC with EA and DCs |
| <b>FUNDING THE PLAN</b>                        |  |   |   |   |                          |
| W8   | Identify funding sources and optimise use/match to unfunded actions in Plan  | HoSWLEP Strategic Investment Panel reviewing Growth Deal 1 Business plan.<br><b>Decision likely July 23rd.</b><br><br>2015/16 FAP funding requests from Work streams have been reviewed by Management Group, with some approved, more information is required on some before approval is given.<br><br>2016/17 onwards 5 year Plans are being discussed through June. | On-going  | SRA and FAP staff time funded via SCC (2014/15) and Interim Funding (2015/16)   | SCC with RB&WS           |
| <b>COMMUNICATIONS AND COMMUNITY ENGAGEMENT</b> |  |   |   |   |                          |



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| W9 | Develop and implement communications and engagement activities to inform, seek feedback on, involve in and gain community buy-in to the development and implementation of the Plan. | <p>Working with Defra and DCLG to prepare proactive and reactive statements re the Sustainable Funding Review and the EIA.</p> <p><b>Revised SRA Key Messages and Media Protocols under review by Management Group</b></p> <p>Establishing comprehensive schedule around which to build project-driven comms and engagement strategy and plan with partners.</p> | Until end<br>2015/16 | Funding for SRA communications officer from SRA Interim Funding for 2015/16 | SCC, with partners |
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