

Enhancing  
Life through   
Water 

2024-2025

# Integrated Water Management

Annual Business Plan 1 April 2024 to 31 March 2025

**GREATER  
MANCHESTER**  
DOING THINGS DIFFERENTLY

 **United  
Utilities**  
Water for the North West

 **Environment  
Agency**

**Document Control Sheet**  
**Integrated Water Management**  
 Final Draft Annual Business Plan 2024-2025

Revision No	Date	Description/Amendment	Prepared by (Author) Programme Manager	Checked by BCM	Reviewed by SRO
01	11/1/24	First draft for Trilateral Meeting	Megan Rudge	David Hodcroft/Helen Telfer/Dee Grahamslaw	
02	21/2/24	Second draft for Trilateral Board Review	Megan Rudge	David Hodcroft/ Helen Telfer/ Dee Grahamslaw	
03	29/08/24	Third draft to reflect detailed work programme (and sign of by partnership on 2 September)	Mark Turner	(check on 30/08)	02/09

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**APPENDICES:**

**APPENDIX A: 2040 and 2050 Outcomes and Objectives**

## 1. Objectives and Outcomes (2030) (see APPENDIX B for 2040 and 2050)

Metric	Anticipated Impact
1. Improve the water environment by meeting storm overflow reduction targets for 35% high priority sites in Greater Manchester.	<ul style="list-style-type: none"> <li>• Reduction in water pollution</li> <li>• Reduction in surface water flooding</li> <li>• Additional greenspace</li> <li>• Reduction in Co<sub>2</sub></li> </ul>
2. Have worked together to invest more than £1bn to reducing flood risk and improve water quality.	<ul style="list-style-type: none"> <li>• Additional capital investment within Greater Manchester delivered through programme with a project pipeline.</li> </ul>
3. Have leveraged an additional £200m benefit from more than £1.2bn investment in Transport, Regeneration, and other infrastructure investment programmes	<ul style="list-style-type: none"> <li>• Savings in time and money, increases in productivity and operational efficiency.</li> <li>• Increase in total return on investment (ROI).</li> <li>• Increase in infrastructure resilience.</li> </ul>
4. Have a network of organisations that are part of a thriving Academy supplying the training and resource needs of the sector	<ul style="list-style-type: none"> <li>• Increase in skills and capacity within the water industry, local authorities and GMCA.</li> <li>• Residents in Greater Manchester have access to a growing industry with development opportunities.</li> </ul>
5. Consistently be developing integrated investment plans with water and environmental outcomes at their heart	<ul style="list-style-type: none"> <li>• A clear and agreed methodology that enables greater access to investment funds for projects to reduce flood risk, build resilience and deliver wider environmental, social and wellbeing benefits.</li> </ul>
6. Ensure new developments incorporate sustainable drainage systems which seek to maximise nature-based solutions and delivers a 10% BNG, inc multifunctional benefits	<ul style="list-style-type: none"> <li>• A measurable increase in new developments that includes sustainable drainage in accordance with the Places for Everyone Plan and new national standards (2024)</li> </ul>
7. Be engaging with local communities to raise awareness and build on local ownership of environmental issues, leading to sustained behavioural change	<ul style="list-style-type: none"> <li>• As agreed by the GMCA:                             <ul style="list-style-type: none"> <li>○ Increase awareness through consistent messaging to residents about the need for behavioural change to prepare for the increased levels of water predicted</li> <li>○ A strong communication campaign aligned with national announcements, such as the latest surface water data expected to be published in 2024.</li> </ul> </li> </ul>

## Objective and Outcomes to 31<sup>st</sup> March 2025



Building on the launch and operationalisation of the IWMP (October '23 – March '24), the objective for this financial year is to mature the partnership, learn lessons from the operationalisation phase and seek to drive added value through further development of the seven workstreams and associated actions set out in Section 2 of this document.

The main outputs that will be delivered by March 2025 are:

- Further embed ways of working, team charter and sharing of resources across GMCA, EA and UU, that the Integrated Water Management Team have developed
- Case studies which quantify the added value (against 6 capitals – financial, manufactured, human, social, natural, intellectual) generated from the Living Integrated Opportunity Programme which are published and shared with local and national stakeholders and decision makers
- Finalising the scope and implementing the work programme for the integrated strategy in the upper Irwell catchment which will develop a shared evidence base for future collaborative planning and delivery.
- Collaboration Agreement signed and requirements established for the development of a digital platform to support IWM ways of working
- Integrated Water Management principles developed and being applied in specific areas
- Graduates from within the partner organisations are onboarded in to the IWMP team to further cross sector knowledge and skills
- A strong communication and engagement plan ensuring that all partner organisations are working efficiently together

Recognising that the workstreams within the plan cannot work in isolation from each other a detailed programme of work has been developed which is owned by the three Business Change Managers, this includes key actions that will require sign-off at the appropriate Trilateral Director meetings, including:

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<b>Trilateral Meeting</b>	<b>Actions (to confirm on 2/09/2024)</b>	<b>Associated Workstream</b>
17 April 24	Share the final cluster summary reports and seek endorsement of recommendations	WS1
	Agree and sign off the 'added valuation' exercise for the six IWMP clusters	WS1
15 May '24	Agree and endorse the Ofwat Innovation Fund Collaborative Agreement	WS2
14 June '24	Share a working document outlining the challenges, priorities, and key messages of applying the defined IWM development principles and standards	WS3
	Sign off the evaluation reports for the seven clusters, which will feed into the annual report to CA	WS4
10 July '24	Inaugural Ofwat Innovation Project Steering Group – sign off project aims, objectives and governance	WS2
	Sign off the annual report to the Combined Authority on IWMP progress and actions	WS4
August '24	No meeting	-
02 September '24	Endorse the collaborative approach to developing a strategy for the upper Irwell	WS1
	Endorse actions on how UU and EA can support the GM Baccalaureate	WS5
October '24	No meeting	-
4 November '24	Endorse recommendations from the Integrated Investment Project	WS6
December '24	No meeting	-
January '25	Digital platform and catchment modelling Project Steering Group – milestone check	WS2
February '25	Review draft Annual Business Plan 25/26	Trilateral
March '25	Sign off Annual Business Plan 25/26	Trilateral





# 2. Workstream Action Tables



1. Workstream Action Tables

WORKSTREAM 1 – The Living Integrated Opportunity Programme (LIOP)

ID	Action	Progress	Next Steps	Complete by
1.1	Apply and embed the Living Integrated Opportunity Programme (LIOP) process within business-as-usual processes and refine where necessary.	<p>Currently testing the process and reviewing it for improvements and efficiencies</p> <p>Gaining ongoing feedback</p> <p>Creating case studies and lessons learned</p>	<ul style="list-style-type: none"> <li>• Create case studies</li> <li>• Continually track and review progress</li> <li>• Will take 12 months plus to test and embed and will roll into the next annual business plan for 2025/26</li> </ul>	<p>June 24</p> <p>March 25</p> <p>March 25</p>
1.2	Build the cluster pipeline and track its progress and maturity of integrating opportunities.	<p>400 clusters in total identified</p> <p>Seven priority clusters progressed through the process and six summary reports produced</p>	<ul style="list-style-type: none"> <li>• Commence the building of cluster pipeline</li> <li>• Create a live pipeline of opportunities and track progress of integration and the value added</li> <li>• Identify missed opportunities which will be captured through lessons learnt</li> </ul>	<p>July 24</p> <p>March 25</p> <p>March 25</p>
1.3	Develop a work programme for the priority seven clusters, based on the recommendations from the cluster summary reports	Not started	<ul style="list-style-type: none"> <li>• Finalise cluster summary reports with trilateral directors</li> <li>• Engage partner technical teams</li> <li>• Create a work programme for each cluster</li> <li>• Approve the work programme with the cluster project leads</li> </ul>	<p>April 24</p> <p>April 24</p> <p>June 24</p> <p>July 24</p>



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1.4	Scope a collaborative approach to long term catchment planning in the upper Irwell catchment	Early conversations between UU and EA to understand areas of overlap between the planned studies	<ul style="list-style-type: none"> <li>• Share early scopes of respective studies to understand alignment</li> <li>• Complete a gap analysis</li> <li>• Create a collaborative approach to developing a strategy for the upper Irwell</li> <li>• Develop an integrated strategic plan</li> <li>• Develop a coordinated and integrated engagement plan across The Environment Agency, United Utilities, and the Greater Manchester Combined Authority</li> </ul>	<p>June 24 (post Draft Determination)</p> <p>June 24</p> <p>September 24</p> <p>ABP 25/26</p> <p>ABP 25/26</p>
1.5	Onboard evidence from the Local Nature Recovery Strategy (LNRS) into IWMP to integrate targets for nature (and biodiversity net gain) into the IWMP clusters (and baseline evidence)	Not started	<ul style="list-style-type: none"> <li>• The Greater Manchester Combined Authority Environment Team to provide spatial data</li> <li>• IWM Team (Analysts) to integrate Local Nature Recovery Strategy (LNRS) data into the Living Integrated Opportunity Programme (LIOP) process to identify opportunities/synergies</li> <li>• Update cluster reports where applicable</li> </ul>	<p>April 24</p> <p>June 24</p> <p>September 24</p>
1.6	Develop and run methodology for integrated modelling between river and surface water	Trilateral Board agreed process outlined by University of Manchester	<ul style="list-style-type: none"> <li>• Commission Imperial College London to implement the first stage of the process and run the WSIMOD model for Greater Manchester</li> </ul>	March 2025

## WORKSTREAM 2 – Digital Platform

ID	Action	Progress	Next Step	Complete by
2.1	Complete the Ofwat Innovation fund bid process which proposes the development of a digital platform to support the IWMP programme delivery	Project plan, outputs and resources identified for the Ofwat innovation bid submitted January 2024	<ul style="list-style-type: none"> <li><b>Option A</b> is to develop a platform through the Ofwat Innovation Bid. (Confirmation if successful is May 2024, with funding received in June 2024)</li> <li><b>Option B</b> is to develop an alternative route if the Ofwat Innovation Bid is unsuccessful</li> </ul>	<p>June 24</p> <p>October 2024</p>
2.2	<b>Option A</b> Undertake market analysis study and produce a report (Phase 1a)	Not started	<ul style="list-style-type: none"> <li>Conduct stakeholder interviews with water utilities and city councils to gain insights and identify gaps and opportunities</li> <li>Delivery of report detailing the findings from interviews of stakeholders, insights into the technology landscape and learnings from elsewhere</li> </ul>	October 24
2.3	<b>Option A</b> Establish a requirements list, selection and onboarding of the third-party platform developer (Phase 1b)	Not started	<ul style="list-style-type: none"> <li>Develop a requirements list to provide to third party platform developers</li> <li>Selection of appropriate third-party platform developer and the concept development of the platform</li> </ul>	December 24
2.4	<b>Option A</b> Platform Development & Deployment (Phase 2)	Not started	<ul style="list-style-type: none"> <li>Implementing agile methodology, the highest priority functionalities are built</li> <li>Business processes and ways of working will be developed throughout this phase to complement the digital platform to realise the value</li> <li>Independent testing of the build phase ensuring all user requirements are met as well as any issues/bugs being addressed. This allows for user feedback and value generation</li> <li>Platform deployed to allow it to gain value, traction and user feedback</li> </ul>	September 25 (ABP 25/26)

2.5	<p><b>Option A</b> Monitoring and optimisation of the platform (Phase 3)</p>	Not started	<ul style="list-style-type: none"> <li>• Backlog features will be assessed for their relevance and potential impact on improving the platform's overall functionality and user experience.</li> <li>• A platform that will have been optimised and enhanced based on the user feedback</li> </ul>	March 26 (ABP 25/26)
2.6	<p><b>Option A</b> Development of dissemination plan (Phase 4)</p>	Not started	<ul style="list-style-type: none"> <li>• Produce a plan for dissemination which will include newsletters sent to the water sector and the wider stakeholders such as local developers and planning authorities. Also includes arranging demonstrations through local authority conferences as well as knowledge transfer forums</li> </ul>	June 26 (ABP 26/27)



## WORKSTREAM 3 - Adaptive Policies and Standards

ID	Action	Progress	Next Step	Complete by
3.1	Develop integrated water management development principles and standards and start to apply them	<p>Scoped existing plans and policies e.g. Transport for Greater Manchester (TfGM) Sustainable Drainage Systems (SuDS) Guidance, Places for Everyone Planning Policy</p> <p>Identified existing standards and criteria used by Greater Manchester Combined Authority including Places for Everyone Planning Policy, United Utilities and the Environment Agency</p>	<ul style="list-style-type: none"> <li>Define the criteria/standards</li> </ul>	May 24
			<ul style="list-style-type: none"> <li>Confirm strategic fit/investment principles for Greater Manchester Combined Authority managed funding e.g. Brownfield Housing Funds (BHF) to align with IWM principles</li> </ul>	July 24
			<ul style="list-style-type: none"> <li>Apply standards and policies consistently - test and learn through the cluster process as part of workstream 1 – the Living Integrated Opportunity Programme (LIOP).</li> </ul>	September 24
			<ul style="list-style-type: none"> <li>Identify good practice and lessons learnt where policy could be adapted and updated, with recommendations for change.</li> </ul>	March 25
3.2	Engage with the policy and/or standard custodians to understand how integrated water management principles can influence locally and nationally	<p>Table of relevant strategies/plans produced by the partnership.</p> <p>Engagement taking place with the Department for Environmental, Food and Rural Affairs (Defra), the Department for Levelling Up, Housing and Communities (DLUHC), the Environment Agency (national team) and Ofwat to identify how future policy announcements (catchment plans, future risk strategies, changes to surface water funding) could support the IWMP</p>	<ul style="list-style-type: none"> <li>Produce a working document outlining the challenges, priorities, and key messages and take to the partnership board</li> </ul>	June 24

3.3	Embed Streets for All SuDS design guidance in priority clusters	Complete SuDS design guidance, in partnership with TfGM	<ul style="list-style-type: none"><li>• Present SuDS design guide to the Trilateral Directors</li><li>• Embed principles into the plans for the cluster areas</li></ul>	November 2024 January 2025
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## WORKSTREAM 4 – The Partnership

ID	Action	Progress		Next Step	Complete by
4.1	Continue to develop the engagement plan to understand how wider stakeholders can contribute to plan objectives	Agreed the ambition to extend beyond the three organisations a set an ambition to be a multi sector partnership by 2030		<ul style="list-style-type: none"> <li>Engage with Transport for Greater Manchester (TfGM) and others to draw them into the IWMP, grow participation in data sharing and discussions around integrating opportunities</li> <li>Engage with the catchments partnerships to confirm engagement routes and specific asks/inputs</li> <li>Include the process within the IWMP communication and engagement plan</li> </ul>	March 25
4.2	Develop and agree the valuation framework to define and measure added value	Initial scoping undertaken		<ul style="list-style-type: none"> <li>Procure consultancy support</li> </ul>	May 24
4.3	Evaluation reports for the six clusters that have completed the Living Integrated Opportunity Programme (LIOP) process	Developed cluster summary reports		<ul style="list-style-type: none"> <li>Develop a standardised template</li> <li>Complete first draft of reports for trilateral sign off</li> <li>Incorporate into the annual reporting process (for the Combined Authority)</li> </ul>	May 24 June 24
4.4	Develop a collaborative agreement for the Implementation Phase (for Ofwat Bid - Digital Platform)	PAUSED		<ul style="list-style-type: none"> <li>Identify stakeholders and develop a collaborative agreement (Confirmation if successful in the Ofwat Innovation Bid is April 2024, with funding received in June 2024)</li> </ul>	May 24
4.5	Report to the Combined Authority on IWMP progress/ actions (September 2024) via Portfolio lead	Portfolio leads identified Reporting routes agreed		<ul style="list-style-type: none"> <li>Draft report created to be shared with trilateral board</li> <li>Share the report with the Portfolio Lead (GMCA)</li> </ul>	July 24 September 24



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4.6	Development of Annual Business Plan for 2025/26 to set priorities, activities and resources needs. To be signed off by trilateral board	Not started		<ul style="list-style-type: none"> <li>Review progress made against the Annual Business Plan for 2024/25</li> <li>Identify key priorities moving forwards to the Annual Business Plan for 2025/26</li> </ul>	Feb 25
4.7	Understand the wider investment by the Trilateral partners	Initial data gathered and included in the report to the GMCA meeting on 27 <sup>th</sup> September 2024		<ul style="list-style-type: none"> <li>Understand detail of the data and how this can be used to demonstrate investment in the water cycle across Greater Manchester</li> </ul>	October 2024

**WORKSTREAM 5 - Skills and Resources**

ID	Action	Progress	Next Step	Complete by
5.1	High-level Skills and Training Discovery Phase	Ongoing	<ul style="list-style-type: none"> <li>• Scope more comprehensive discovery of skills, capacity and gaps within the Trilateral Partners.</li> <li>• Engage with Defra (see WS7) to understand the conclusions from skills survey and intended national approaches to IWM skills gaps.</li> <li>• Identify how UU and EA can support the GM Baccalaureate</li> </ul>	September 24
5.2	Implement a graduate placement approach from September 24	United Utilities graduate onboarded in February 24	<ul style="list-style-type: none"> <li>• Programme in place for Greater Manchester Combined Authority</li> </ul>	September 24
5.3	Develop research proposals for academia (mixed discipline) to fill/support any gaps in evidence	Not started	<ul style="list-style-type: none"> <li>• Engage with academic institutions to better understand the opportunities</li> </ul>	March 25
5.4	Develop internal training resources to support colleagues within the partnership and enable them to be allies and aligned	Project lifecycle knowledge share session hosted in March 24	<ul style="list-style-type: none"> <li>• Develop the knowledge share resources</li> <li>• Make the resources available and share within the system</li> </ul>	June 24


## WORKSTREAM 6 – Integrated Investment Plan

ID	Action	Progress	Next Step	Complete by
6.1	Conduct a desktop study investment analysis to support the Flood and Coastal Erosion Risk Management (FCERM) investment mapping	Procurement phase complete	<ul style="list-style-type: none"> <li>Produce a list of funding sources, mechanisms, metrics and outcomes</li> <li>To map funding cycles and highlight potential opportunities and blockers</li> <li>Produce case studies that include a range of different funding scenarios/models</li> </ul>	November 24
6.2	Undertake stakeholder engagement to support the Flood and Coastal Erosion Risk Management (FCERM) investment mapping	Procurement phase complete	<ul style="list-style-type: none"> <li>Conduct workshops to explore successes and challenges in accessing, co-funding and suitability of existing resources and tools</li> <li>Collate lessons learnt to provide recommendations for visualization/systems development</li> </ul>	January 25
6.3	Visualisation and systems development to support the Flood and Coastal Erosion Risk Management (FCERM) investment mapping	Procurement phase complete	<ul style="list-style-type: none"> <li>Explore requirements for a platform to visualize geospatial data</li> <li>Supplement with data collected from the IWMP</li> </ul>	May 25
6.4	Data sharing and mapping of local flood and drainage assets, accessing investment and funding to ensure a collaborative approach to asset management and maintenance	Partnership working with Merseyside Phase 1 draft report produced	<ul style="list-style-type: none"> <li>Phase 2 identifying case study areas across partnerships</li> <li>Phase 3 identifying collaborative approaches towards asset maintenance and investment</li> </ul>	March 25
6.5	Collate exemplar funding applications as part of a materials reference library	Not Started	<ul style="list-style-type: none"> <li>Engage with partners and stakeholders to identify suitable exemplar material and the range of material that would for part of the library</li> </ul>	November 24
6.6	Explore the opportunity to develop a partnership with Rebalance Earth	Outline proposal submitted by RBE	<ul style="list-style-type: none"> <li>Site visit to Dovestone Reservoir planned for 1<sup>st</sup> October 2024</li> <li>Assess whether RBE approach is appropriate for Greater Manchester</li> </ul>	October 2024



## WORKSTREAM 7 – Marketing and Engagement

	Action	Progress	Next Step	Complete by
	Engagement and Communication Plan to identify internal and external stakeholders and proposed methods of engagement.	Started	<ul style="list-style-type: none"> <li>Develop a strategy and process for internal and external engagement and communication that ensures (a) multi-level awareness and advocacy of the IWMP and its ambitions and (b) avoids different teams from the same organization duplicating stakeholder engagement.</li> </ul>	October 24
	Communication Website	Started	<ul style="list-style-type: none"> <li>Web space to be updated as the IWMP starts to deliver added value (e.g. cluster case studies)</li> </ul>	October 24
	Continue to knowledge share locally and nationally on IWM best practice in GM, in line with the trailblazer devolution commitment	Ongoing	<ul style="list-style-type: none"> <li>Continue to meet with stakeholders and other partnerships regularly: Department for Environmental, Food and Rural Affairs (Defra), Department for Levelling Up, Housing and Communities (DLUHC), Northumbrian Integrated Drainage Partnership and Greater London Authority)</li> </ul>	March 25

A scenic landscape featuring rolling green hills under a hazy, overcast sky. In the foreground, there is a grassy slope with some dry, brownish vegetation. A stone wall runs across the middle ground, separating a field from the background. In the distance, a building with a dark roof and a chimney is visible on a hillside. The overall atmosphere is misty and serene.

### **3. Resource and Financial commitment**

3.Existing Resource and Financial commitment (Update after 2 September 2024) to include UU/EA project Leads

IWMP Resource	Roles	FTE Requirement			
		GMCA	EA	UU	Co-Funded
Director (SRO)	<ul style="list-style-type: none"> <li>Direct the vision, programme strategy, business case</li> <li>Release annual funding agreed in Annual Business Plan to the Business Change Manager (BCM)</li> <li>Agree IWM approach including the programme strategy</li> <li>Approval of documents associated with the IWM workstreams</li> <li>Monitoring of programme performance, delivery of new capabilities and realisation of outcomes</li> <li>Make decisions regarding high impact IWM risks</li> </ul>	½ a day month	½ a day month	½ a day month	
Business Change Manager	<ul style="list-style-type: none"> <li>Provides single point of contact for the IWMP for respective organisation</li> <li>Identifying and supporting funding and project integration opportunities (brokering)</li> <li>Identify opportunities and feed into the IWM Programme</li> <li>Implementing the IWMP vision and strategy within respective partner organisation</li> <li>Conducts an annual review and revision of the IWMP to inform the Annual Business Plan</li> <li>Regularly engaging and soliciting feedback from internal and external stakeholders</li> <li>Planning and delivering specific business change activities (people, process and systems) relating to the workstreams</li> <li>Identifying risks and issues that relate specifically to the ability of the organisations to adopt changed ways of working, understanding and aligned and integration to existing policies or where there is a short fall in resources to deliver</li> <li>Agreeing leading metrics to provide information of the success of the IWMP to achieve the objectives (working other strategies e.g. Local Nature Recovery Strategy (LNRS))</li> <li>Co-ordinate the development and update of the Collaboration Agreement with support from Commercial and Legal</li> <li>Facilitating and co-ordinating resource input</li> <li>Scrutiny/governance of the work undertaking by the IWM Programme team</li> </ul>	1.0	1.0	1.0	
Programme Manager	<ul style="list-style-type: none"> <li>Define and maintain the living integrated opportunity delivery pipeline, monitoring actual progress to date and forecasting progress on future programmes</li> <li>Accountable for all the workstreams being delivered</li> <li>Defining and maintaining a budgets, monitoring actual and forecast costs</li> <li>Delegation of activities/deliverables to appropriate person</li> <li>Monitoring and reporting overall performance against the IWMP and progress against objectives, including engagement, risk and benefit realisation</li> <li>Identifying and resolving programme level issues</li> <li>Identifying and delegating project level issues to the appropriate Project Lead</li> <li>Identifying and escalating IWMP issues to the Business Change Manager (BCM)</li> <li>Development of the Annual Business Plan</li> </ul>	1.0			



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IWMP Resource	Roles	FTE Requirement			
		GMCA	EA	UU	Co-Funded
Support Officer	<ul style="list-style-type: none"> <li>Support the Programme Manager with keeping the delivery of IWMP on track</li> <li>Support the Business Change Managers (BCM) within the Living Integrated Opportunity Programme (LIOP) process</li> <li>Maintaining IWM webpage and keeping it up to date with the latest documentation</li> <li>Setting and issuing agendas</li> <li>Meeting co-ordination and general admin tasks</li> </ul>	1.0			
Project Lead	<ul style="list-style-type: none"> <li>Develop business case for integrated projects</li> <li>Deliver projects (e.g. United Utilities and Environment Agency Capital Programmes, Brownfield Housing Fund, upper Irwell IWM strategy etc)</li> <li>Project performance reporting to IWM</li> <li>Manage project level risks and opportunities</li> <li>Liaison with other partner organisations</li> <li>Implementation support to the Local Authorities</li> <li>Learn lessons from integrated delivery and advise Business Change Manager (BCM) on operational processes</li> </ul>	1.0*	4.0	3.0	
Data Analyst/Intern	<ul style="list-style-type: none"> <li>Analysis of spatial data through the appropriate mapping software and determining the best way to represent it visually to the IWM team and stakeholders</li> <li>Identify and obtain additional (or new) datasets that could be used to support analyses and keep up to date</li> <li>Quality assurance and process documentation of the data sources</li> <li>Managing a digital library of geographic programme data in various file types</li> <li>Create new spatial data sets by geographically representing data, as well as through digitising spatial information for use in geo-spatial analyses</li> <li>Prioritise the data and develop routines to create integrated opportunities against pre-defined objectives</li> <li>Produce maps that will inform the IWM team and stakeholders by overlapping various datasets</li> <li>Run queries</li> <li>Produce reports/ slide pack visuals</li> </ul>	1.0*		1.0	
<b>Total</b>		<b>5.5*</b>	<b>5.5</b>	<b>5.5</b>	<b>0.0</b>

\*dependent on recruitment process from September 2024

## Appendix A: 2040 and 2050 Outcomes and Objectives

### By 2040

- Have reduced nitrogen, phosphorus, and sediment pollution from agricultural run off to the water environment by 40% from the 2018 baseline
- Reduce phosphorus loadings from treated wastewater by 80% by 2038 against a 2020 baseline, with an interim target of 50% by 31 January 2028.
- By 2040: Ensure all new developments are 'water positive' or defined as 'net zero water' developments.
- Halve the length of rivers polluted by harmful metals from abandoned mines by 2038, against a baseline of around 1,500km (approximately 930 miles), with an interim target to construct eight mine water treatment schemes and 20 diffuse interventions to by 31 January 2028.
- We will have implemented 60% of schemes needed to improve water quality in line with Storm Overflows Discharge Reduction Plan ( SODRP)

### By 2050

- Require water companies to have eliminated all adverse ecological impact from sewage discharges at all sensitive sites by 2035, and at all other overflows by 2050.
- We will achieve 90% of the predicted objectives for our waterbodies as identified in the NW RBMP'
- Have created the environment where all our people will be living within one mile of a blue and green space
- Have water supplies that are secure for people, nature and businesses by reducing household water use to 110 litres per person per day and non-household use by 15%. A reduction in leakage by 50% will further support water security
- Have a net reduction in homes or businesses that are at risk from flooding from any source when considering the effect of climate change
- By 2050 Target a level of resilience to drought so that emergency measures are needed only once in 500-years.



Enhancing  
Life through  
Water



**GREATER  
MANCHESTER**  
DOING THINGS DIFFERENTLY

 **United  
Utilities**  
Water for the North West

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