

Greater Manchester Combined Authority

Date: 30 June 2023

Subject: Integrated Water Management Plan

Report of: Andy Burnham Mayor of Greater Manchester and portfolio holder for Policy & Reform and Transport, Councillor Tom Ross, Portfolio Lead for the Green City-Region and Kate Green, Deputy Mayor PCC & Fire, Safer and Stronger Communities and Steve Rumbelow – Lead Chief Executive for Housing, Homelessness, and Infrastructure

Purpose of the Report

To provide GMCA with a briefing, update, and report on:

1. The Draft Greater Manchester Integrated Water Management Plan (IWMP)
2. Actions agreed at the second Mayoral round table on integrated water management held on 31 March 2023.

Recommendations:

GMCA is requested to:

1. Agree the draft Integrated Water Management Plan (Annex A) and next steps for engagement (paragraph 5.1).
2. Note how the recommendations from GMCA Scrutiny Committee as presented to the Combined Authority on the 31 May 2023 will be taken forward through the Integrated Water Management Plan (Annex B).
3. Note the actions and next steps agreed at the 31 March 2023 Mayoral round table (Annex D).
4. Agree to receive an annual business plan on activities and resources required to deliver the Integrated Water Management Plan.
5. Review the existing GMCA governance structures to strengthen accountability, scrutiny and provide clarity of responsibility in accordance with the principles for good governance (attributes for integrated water management) from the Organisation for Economic Co-operation and Development (OECD) (Annex E).

6. Agree to receive a funding and resource plan (business plan) to the GMCA in September 2023.
7. Note the intention for the Environment Agency, United Utilities and the GMCA to extend the existing collaboration agreement in relation to the implementation of the Integrated Water Management Plan.

Contact Officers:

[Steve Rumbelow](#) Lead Housing, Homelessness, and Infrastructure

[Andrew Lightfoot](#) – GMCA Deputy Chief Executive

[Simon Nokes](#) GMCA Executive Director of Policy and Strategy

[Andrew McIntosh](#) – GMCA Place Director

[Mark Atherton](#) – GMCA Environment Director

[Kathy Oldham](#) – GMCA Chief Resilience Officer

[David Hodcroft](#) GMCA Infrastructure Lead

Equalities Impact, Carbon and Sustainability Assessment:

Recommendation - Key points for decision-makers						
<i>The assessment identifies positive impacts overall.</i>						
Impacts Questionnaire						
Impact Indicator	Result	Justification/Mitigation				
Equality and Inclusion	G	Many of Greater Manchester's least affluent communities already live in areas at higher risk of flooding with poor water quality.				
Health	G	Nature based solutions will be prioritised where possible. This will create multifunctional green infrastructure - such as sustainable drainage system within walking and cycling routes. Risk from extreme weather and anxiety caused by flooding is a known cause of stress. Reducing this risk through action will have a positive impact. See question 1. See question 1. See question 1.				
Resilience and Adaptation	G	Assessments of risk and modelling of climate change indicates that risk and frequency of events are increasing. How we manage water is essential to resilience. See question 1 above. See question 1 above. Nature based solutions will be prioritised where possible. This will create multifunctional green infrastructure - such as sustainable drainage system within walking and cycling routes. A catchment scale approach will also be taken,				
Housing		Managing water - flood risk, drainage, green infrastructure and biodiversity netgain is a requirement of the statutory planning process and a new system of sustainable drainage standards will be introduced in 2024. The urban area will have to be retrofitted with new sustainable drainage systems, surface water diverted from the combined sewer and new property level protection measures installed.				
Economy	G					
Mobility and Connectivity						
Carbon, Nature and Environment	G	Nature based solutions to address water issues can if installed close to roads improve air quality. Yes - one of the main aims of the plan is to reduce water pollution. Water management - and impacts such as flooding goes hand in hand with measures to improve water quality, reducing diffuse pollution and carbon emissions. Yes - retrofitting the urban environment to make space for water and use of nature based solutions can improve visual amenity. Natural Flood Measures - include tree planting and positive management of carbon sinks such as peat and can deliver a netgain for biodiversity. A sustainable drainage system that is multifunctional can count as a biodiversity netgain credit. Multifunctional green space can include land eg Salford flood basin or Sustainable Drainage Systems that are included within cycleways, roads, pavements, bus stops and new development. Natural Flood Measures - include tree planting and positive management of carbon sinks such as peat.				
Consumption and Production	G	The plan will include actions to raise awareness and promote the				
Contribution to achieving the GM Carbon Neutral 2038 target		Converting and developing the the existing drainage system in response to climate change will cost billions, and will generate carbon if a traditional grey engineering approach is followed. By making space for water carbon emissions can be reduced.				
Summary	<table border="0"> <tr> <td style="background-color: #2e8b57; color: white; padding: 5px;">G Positive impacts overall, whether long or short term.</td> <td style="background-color: #f0e68c; padding: 5px;">A Mix of positive and negative impacts. Trade-offs to consider.</td> <td style="background-color: #dc143c; color: white; padding: 5px;">R Mostly negative, with at least one positive aspect. Trade-offs to consider.</td> <td style="background-color: #800000; color: white; padding: 5px;">RR Negative impacts overall.</td> </tr> </table>		G Positive impacts overall, whether long or short term.	A Mix of positive and negative impacts. Trade-offs to consider.	R Mostly negative, with at least one positive aspect. Trade-offs to consider.	RR Negative impacts overall.
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Carbon Assessment		
Overall Score		
Buildings	Result	Justification/Mitigation
New Build residential		This will be undertaken at the programme/project stage.
Residential building(s) renovation/maintenance		No applicable
New build non-residential (including public) buildings	N/A	
Transport		
Active travel and public transport		Plan will aim to incorporate Nature Based Solutions (NBS) within the urban area.
Roads, Parking and Vehicle Access		Will incorporate Nature Based Solutions within the urban area.
Access to amenities	N/A	
Vehicle procurement	N/A	
Land Use		
Land use		The focus is on the enhancing the creation of new greenspace and management of existing land to deliver improvements in the water environment. There will be opportunities but it's not known at this stage.
No associated carbon impacts expected.	High standard in terms of practice and awareness on carbon.	Mostly best practice with a good level of awareness on carbon.
	Partially meets best practice/ awareness, significant room to improve.	Not best practice and/ or insufficient awareness of carbon impacts.

Risk Management

A collaboration agreement between the GMCA, Environment Agency and United Utilities is imminent. This will be extended to specific projects an annual business plan will be taken to the GMCA on an annual basis and reviewed by Scrutiny Committee.

Legal Considerations

The GMCA has the power under section 2 of the Local Government Act 2000 to take any steps which it considers likely to improve the “*economic, social or environmental well-being*” of the Greater Manchester area. On 24 September 2021 the GMCA approved a Memorandum of Understanding between the Environment Agency, United Utilities and the GMCA to create a strategic partnership to influence and deliver sustainable growth and development in Greater Manchester by improving flood resilience, enhancing the environment, driving circular economy approaches and supporting regeneration. The Environment Agency, United Utilities and the GMCA have agreed a collaborative agreement relating to the production of an Integrated Water Plan. The intention is to extend this further to support implementation of the Plan.

Financial Consequences – Revenue

The development of the Integrated Water Management Plan was funded through an equal financial contribution from the GMCA, United Utilities and Environment Agency.

Financial Consequences – Capital

There are no direct financial consequences to the GMCA.

Number of attachments to the report: One.

Comments/recommendations from Overview & Scrutiny Committee

See paragraphs 3.1 and 3.2 and Annex B

Background Papers:

- [Greater Manchester Infrastructure Framework \(2019\)](#)
- [Greater Manchester 5-year Environment Plan \(2019\)](#)
- [GMCA response to flood risk management \(2021\)](#)
- [GMCA, Environment Agency and United Utilities Memorandum of Understanding \(2021\)](#)
- [Greater Manchester Strategy \(2021\)](#)
- [Greater Manchester Resilience Strategy \(2021\)](#)
- [Report to GMCA Housing Planning and Environment Overview and Scrutiny Committee, 8 March 2022. Subject: Response to Flood Risk Management and Memorandum of Understanding between the GMCA, United Utilities and the Environment Agency.](#)
- Report to the Greater Manchester Planning and Housing Commission ([November, 2022](#)) and ([March, 2023](#)) on the Integrated Water Management Plan.
- Report to the Greater Manchester Green City Region Partnership on Integrated Water Management Plan ([January, 2023](#))
- [GMCA Overview and Scrutiny Committee \(March 2023\)](#). An investigation into the wider determinants of effective integrated water management in Greater Manchester.

- [Report to GMCA 26 May 2023](#). Subject: GMCA Overview & Scrutiny Committee Task and Finish Report on Integrated Water Management.

Tracking/ Process

Does this report relate to a major strategic decision, as set out in the GMCA Constitution
Yes

Exemption from call in

Are there any aspects in this report which means it should be considered to be exempt from call in by the relevant Scrutiny Committee on the grounds of urgency? **NO**

GM Transport Committee

N/A

Overview and Scrutiny Committee

N/A

1. Introduction / Background

- 1.1 Greater Manchester is connected by water and how it is managed is highly fragmented. It's an overlooked and forgotten issue brought to light during occasions of increasing frequency where there is too much water (flooding), too little (droughts) and too dirty (polluted waterways).
- 1.2 The 10 Local Authorities in Greater Manchester are Lead Local Flood Authorities (LLFAs) (the GMCA is not), however there is a statutory duty for the LLFAs to co-operate with each other and the issues, actions and outcomes being sought are broader than flood risk.
- 1.3 The GMCA has the power under Section 2 of the Local Government Act 2000 to take any steps which it considers likely to improve the “*economic, social or environmental well-being*” of the Greater Manchester area.
- 1.4 On 24 September 2021 the GMCA approved a Memorandum of Understanding (MOU) between the Environment Agency (EA), United Utilities (UU) and the GMCA (including TfGM) to create a strategic partnership to influence and deliver sustainable growth and development in Greater Manchester by improving flood resilience, enhancing the environment, driving circular economy approaches and supporting regeneration.
- 1.5 The GMCA agreed to receive an annual report on progress, success, and any issues/barriers to delivery with progress reported to the [GMCA Housing Planning and Environment Overview and Scrutiny Committee on the 8 March 2022](#).
- 1.6 A Mayoral round table was held on the 30 September 2022 and it was agreed that the GMCA, UU and EA should jointly produce an Integrated Water Management Plan to draw together a collective vision, objectives, and actions and identify accountability and resources for delivery. It was also agreed that the stakeholders at the round table should reconvene by early spring 2023 to evaluate and review progress. The 2nd round table was held on the 31 March 2023, with a 3rd planned to be taking place on the 11 September 2023 to further review progress.

- 1.7 Greater Manchester is seen as an innovative pathfinder in this area and the 2023 devolution deal includes the following commitment: *“the government agrees that Greater Manchester will be a testbed to explore and develop options for how flood risk management, including other relevant adaptation activities, can best be addressed, and accelerated at the local level. This could include:*
- a. Examining how adoption of an ecosystem services approach can deliver co-benefits for the economy and citizen health.*
 - b. Sharing of best practice approaches and learning on integrated water management to inform government reforms to local flood risk management planning.*
 - c. Piloting ‘revenue stacking’ and the blending of public, private, and philanthropic finance to fund projects at scale; or*
 - d. Early testing of proposals from any government strategies on these issues in development”.*
- 1.8 The devolution deal also recognises the *“role of local democratic leadership in ensuring effective delivery of resilience activity, including integrating resilience into wider local strategies, plans and services opportunities. Recognising the importance of Greater Manchester to the economic vitality of the UK and the influence of GMCA, its constituent local authorities and the Greater Manchester Local Resilience Forum, the government wants to test the ambitions in the UK Government Resilience Framework to enhance resilience and strengthen local resilience forums with GMCA”.*

2. Issues

- 2.1 As previously reported to the [GMCA \(September 2021\)](#) and [last month](#) this is a cross portfolio issue, cutting across duties, responsibilities, and agencies. We don't view and approach the issue through a single coordinated and strategic lens. It is about place making and resilience as much as the environment.
- 2.2 Future climate change projections evidence a potential precipitation [rise of 59% by 2050](#) even if carbon reduction targets are met, with the Northwest projected to have

the highest percentage increase in rainfall in the country. Winters will be wetter and summers drier. Rainfall or droughts will be more intense. Infrastructure assets are aging and there will be a significant cost (to tax and bill payers (the public)), carbon emissions and disruption within the built environment and highways to re-engineer the existing drainage system.

- 2.3. There remain challenges to delivering an integrated water management approach due in part to the complexities that exist through legislation, governance, and funding. This is compounded within the GMCA governance structures - there are many groups, workstreams and boards where water management is embedded within their terms of reference. It is not, however, apparent what actual responsibility and accountability these groups take in supporting the delivery of water management and this needs to be addressed.
- 2.4 The memorandum of understanding between the Combined Authority (including TfGM), Environment Agency and United Utilities was the start of a process that enables a more integrated approach, providing a platform for place-based interventions, sharing capital investment programmes and leverage of funds for shared benefits.
- 2.5 A report on the issues was presented to [GMCA Overview and Scrutiny Committee](#) and the [GMCA on 26 May 2023](#) (see section 3 below). In summary, the key issues identified are:
 1. A whole catchment approach is required working across Greater Manchester and with those outside (we are connected by water).
 2. This is a cross cutting and multidisciplinary issue for the GMCA and the individual Local Authorities.
 3. There is a role for the GMCA (like transport) to convene stakeholders, provide strategic direction and to support the individual Local Authorities.
 4. The GMCA has committed to a vision through the Greater Manchester Strategy and issues have been identified in previous reports to the GMCA –

this is about doing it better/differently than we are given the complexity of the system.

5. The [GMS Progress Report \(July 2022\)](#) stated that *“Resilience and Adaptation work is underway to support this agenda, however the progress report has found further, and faster activity is needed in this area”*.
6. There is significant investment involved (~£142M from the EA programme (2021/27 requiring £40M match funding and over £1bn from UU from 2025-30), of which it’s proposed that £250m will be targeted on a rainwater management programme to remove 62 ha of impermeable surfaces in catchments in Greater Manchester.
7. We know what the investment will be from water-based programmes and need to be driving better investment outcomes beyond this (e.g., as GMCA/TfGM has control over Transport investment schemes (City Region Sustainable Transport Settlement)¹, brownfield housing funds and a stronger partnership with Homes England (and associated funding) that deliver tangible environmental outcomes – such as slowing the flow of water into the sewerage system and therefore reducing flooding and pollution.
8. There is a lack of human resource and continuity planning (especially within the CA/Local Authorities and within the Environment Agency) with the capacity and capability to meet the increasing demand and expectations required to manage water (and place) differently. The GMCA has experience in supporting skills programmes, apprenticeships, and graduate programmes and in providing direct support to the Local Authorities in Greater Manchester – we are stronger together and can provide a work offer that is attractive to the best talent.

¹ The forthcoming Greater Manchester Streets for All Design Guide and Greater Manchester SuDS Design Guide will promote the delivery of SuDS across the region’s streets and highways. The Streets for All Design Review Check includes metrics on the quantity, quality and functionality of green and blue infrastructure. The design check will be used to support the design development of City Region Sustainable Transport Settlement schemes and expected benefits will be monitored through the appraisal process.

9. The system is fragmented and operating in silos. Greater Manchester (with partners) is stepping up and providing leadership to manage problems inherent within the current system to deliver benefits for people, places, and the environment.

3. GMCA Overview and Scrutiny Committee Recommendations

- 3.1 GMCA Scrutiny Committee established a task and finish group in November 2022 to review the issues associated with flood risk and integrated water management. The task and finish group presented its findings and recommendations (See Annex B) [to Scrutiny on 22 March](#). These were endorsed by the Committee, reported to the [GMCA on 26 May](#) where they were also [endorsed](#).
- 3.2 The recommendations are:
 1. Increase awareness.
 2. A clear co-owned plan
 3. Strong governance framework
 4. Effective use of knowledge, skills, and resources
 5. Ensuring social justice is at the heart of action.
 6. Influencing planning laws and guidance
 7. Improving advice and information
 8. Effective measures
 9. Learn from others.
 10. Further areas for scrutiny review
- 3.3 A table setting out how the recommendations will be taken forward through the Integrated Water Management Plan is included in Annex B.

4. Integrated Water Management Plan

- 4.1 Integrated Water Management (IWM) is a collaborative approach to the way we plan for and manage all elements of the water cycle (reflecting and managing issues specific to place). It is a multidisciplinary approach relating to planning,

development, operational and tactical decisions to influence the water cycle and integrate opportunities to deliver shared outcomes.

4.2 The vision is: *“By working together, we will manage Greater Manchester's water wherever it falls, to enhance the environment, support people and forge prosperous places”*.

4.3 There are three core objectives:

1. Breaking down the barriers

- Collaboration to break barriers to managing water in an integrated way to enable the delivery of sustainable growth in Greater Manchester. Identifying innovative solutions and combining efforts with public and private investors to deliver more.

2. Creating multiple benefits

- Ensuring that all interventions consider water neutrality, flood resilience, water quality improvement and build in climate adaptation.
- Aiming to maximise multifunctional blue-green infrastructure, restore natural function and water landscapes, protecting and valuing biodiversity and the water environment.

3. Businesses and the community become an important part in creating the value.

- Involving businesses and community stakeholders to deliver resilient, diverse, and inclusive public spaces.
- Creating opportunity and access for jobs and skills needed for integrated water management.

4.4 The intention is to mature, grow and develop the partnership working together we can realise the benefits, significant investment is on the horizon from a water management perspective linked to water quality, flood risk and place making, along with associated sectors such as transportation and strategic growth locations that influence water management and offer a potential to co-fund and co-deliver.

4.5 The plan will create value through:

- how we deliver collaborative schemes (co-investing and co-creating schemes)
- wider benefits and outcomes for the environment and society
- better business cases and evidence to inform future investment plan (including water company investment plans) and,
- critically organisational resilience (increase skills, resources, and system resilience).

4.6 As an example of value being created/leveraged:

- The scale of UU's Water Industry National Environment Programme (WINEP) 2025 – 2030 is so substantial that Ofwat approved 134 named schemes to be accelerated so that planning can commence from this year.
- The total programme is valued at £940bn, and approx. £400m of that is within Greater Manchester.
- UU's proposal centres on rainwater management in the 'catchment' of Greater Manchester to deliver blue/green schemes (~£200M) that reduce rainwater (surface water) into UU's combined system with the aim of reducing the amount (volume/£/Co2) of grey storages in the future.
- Regulators are looking for UU to leverage funding from other sources where there is an alignment in objectives - hence the importance of aligning with other CA/EA/TfGM investment programmes. There is a metric in the IWMP for the % of that leverage opportunity.

4.7 Integrated water managed is relevant to many organisations to a greater or lesser extent and through the work undertaken to date there is a strong aspiration to grow participation over time, to become a multi-sector partnership to support the ambitions for cross-sector delivery. To do this the right conditions for success need to be created over the next few months. We want to draw in key partners and stakeholders by collaborating, engaging, seeking feedback, and providing challenge on the plan and the Workstreams it contains.

4.8 The components of the Plan (See Annex A for further detail) are:

- Vision
- Ambitions and objectives (for 2030, 2040 and 2050)
- Workstreams required to deliver the vision and ambitions:

- Workstream 1 - Living integrated opportunity programme
- Workstream 2 - Digital Platform
- Workstream 3 - Adaptive policies and standards
- Workstream 4 - The Partnership
- Workstream 5 - Skills and Resources
- Workstream 6 - Integrated Investment Plan
- Workstream 7 – Marketing and engagement

4.9 Delivery and support to the Local Authorities will not happen without resources and funding. Support so far has been provided through external planning/engineering consultancies, funded through an equal financial contribution from the GMCA, United Utilities and Environment Agency. United Utilities and the Environment Agency have created additional posts to support collaboration and the Plan. Embedded capacity needs to be freed from within the existing GMCA/TfGM system or new capacity created.

4.10 To deliver the plan the following roles (day to day but not necessarily full time and can be same person) have been identified:

- Partnership Board Chair
- Partnership lead (manager)
- Opportunity brokers/programme manager
- Delivery manager (for projects)
- Operational support officer
- Progress/performance officer
- Data analyst/scientist/architect (Geographical Information system lead)
- Communication and engagement officer

5. Next Steps

5.1 Proposed next steps are:

1. Engagement with stakeholders (including the individual Local Authorities within and adjacent to Greater Manchester) and update/mature the plan and core components based on feedback (July - September).
2. Create the draft integrated opportunities spatial programmes (sites/projects and programmes) (July - September)

3. Produce a 1-year business plan (July – September)
4. Provide a summary of engagement responses and annual business plan to the 3rd Round Table to be held on 11 September 2023
5. Further report to GMCA Scrutiny and overview Committee on 27 September 2023
6. 1-year business plan to GMCA 29 September 2023
7. Further engagement/communication at the Green Summit (October)

6. Recommendations

6.1 GMCA is requested to:

1. Agree the draft Integrated Water Management Plan (Annex A) and next steps for engagement (paragraph 5.1).
2. Note how the recommendations from GMCA Scrutiny Committee as presented to the Combined Authority on the 31 May 2023 will be taken forward through the Integrated Water Management Plan (Annex B).
3. Note the actions and next steps agreed at the 31 March 2023 Mayoral round table (Annex D).
4. Agree to receive an annual business plan on activities and resources required to deliver the Integrated Water Management Plan.
5. Review the existing GMCA governance structures to strengthen accountability, scrutiny and provide clarity of responsibility in accordance with the principles for good governance (attributes for integrated water management) from the Organisation for Economic Co-operation and Development (OECD) (Annex E).
6. Agree to receive a funding and resource plan (business plan) to the GMCA in September 2023.
7. Note the intention for the Environment Agency, United Utilities and the GMCA to extend the existing collaboration agreement in relation to the implementation of the Integrated Water Management Plan.

ANNEX A – The draft Integrated Water Management Plan

Plan attached separately.

ANNEX B – Table setting out how the GMCA Scrutiny Committee recommendations will be taken forward through the Integrated Water Management Plan

GMCA Scrutiny Recommendations	IWMP Workstream (number)
1. Increase awareness.	<ul style="list-style-type: none"> • 7 – Marketing and Engagement
2. A clear owned plan	<ul style="list-style-type: none"> • The Integrated Water Management Plan (and 7 workstreams)
3. Strong governance framework	<ul style="list-style-type: none"> • 4 – The Partnership and recommendations to GMCA (Annex E)
4. Effective use of knowledge, skills, and resources	<ul style="list-style-type: none"> • 5 – Skills and resources
5. Ensuring social justice is at the heart of action	<ul style="list-style-type: none"> • Prioritizing and social value weighting within 1 (integrated opportunity programme and 6 (integrated investment plan)
6. Influencing planning laws and guidance	<ul style="list-style-type: none"> • 3 (policies and standards), 7 - (Marketing and engagement) and devolution deal commitment.
7. Improving advice and information	<ul style="list-style-type: none"> • 7 - (Marketing and engagement), use of GMCA website, engagement team and working with the 10 LAs. Green Summit in October.
8. Effective measures	<ul style="list-style-type: none"> • 1 (integrated opportunity programme and 6 (integrated investment plan)
9. Learn from others.	<ul style="list-style-type: none"> • Have established engagement/information sharing with London and Partnerships in London, Yorkshire and Northumbria.
10. Further areas for scrutiny review	<ul style="list-style-type: none"> • The Plan to be reviewed by Scrutiny Committee on 27 September 2023

ANNEX C – 31 March Mayoral Round Table Invitees

- Kate Green – GMCA (Greater Manchester Combined Authority) Deputy Mayor and GMCA Portfolio holder for Safe & Strong Communities (Police and Fire).
- Cllr Tom Ross – Leader of Trafford Council
- Cllr Martyn Cox, Lead of Bolton Council and Greater Manchester Combined Authority portfolio holder for the Green City Region, Waste and Recycling
- Cllr Eamonn O'Brien, Leader of Bury Council and GMCA portfolio holder for Education, Skills, Work, Apprenticeships and Digital.
- Cllr Allan Quinn – Executive member for Environment, Bury Council and GMCA representative on the North West Regional Flood and Coastal Committee.
- Cllr Mandie Shilton Godwin – Manchester City Council and GMCA Scrutiny Committee
- Cllr Youd – Salford City Council
- Paul Dennett – Mayor of Salford City Council and GMCA portfolio holder for Homelessness, Healthy Lives and Quality Care.
- Eamonn Boylan GMCA/TfGM – Chief Executive
- Sandra Stewart – Chief Executive Tameside Council
- Harry Catherall Chief Executive Oldham Council
- Adrian Lythgoe – Chair of the North West Regional Flood and Coastal Committee
- Jo Harrison – Director of Environment, Planning and Innovation, United Utilities
- Sarah Jenner – Strategic Catchment Planning Manager, United Utilities
- Dee Grahamslaw - Place Based Planning Pilot Lead, United Utilities
- Stewart Mounsey – Area Director (Greater Manchester, Merseyside, and Cheshire) Environment Agency
- Mark Easedale – Environment Manager for Greater Manchester, Environment Agency
- Amanda Wright – Partnership Manager, Natural England
- Petula Neilson - Natural Course Programme Manager, Urban, Water & Wetlands Team, Natural England
- Anne Selby – Chair Greater Manchester Natural Capital Group.
- John Sanders – Chair Mersey Rivers Trust
- Aimee Brough – Irwell catchment partnership
- James Perkins - Team Leader – Flood Policy Statement and Planning (Defra)
- Andrew Lightfoot GMCA Deputy Director
- Andrew McIntosh – GMCA Place Director
- Mark Atherton – GMCA Environment Director
- Kathy Oldham - GMCA Chief Resilience Officer
- David Hodcroft – GMCA Infrastructure Lead
- Jill Holden – GMCA Flood Risk Manager
- Nicola Ward – GMCA Statutory Scrutiny Officer
- Chris Digman (Stantec)
- Phil Raynor (Jacobs)
- Khin Myat PhD Postgraduate Researcher (University of Salford)

ANNEX D – 31 March Roundtable Actions

Action	By Whom	By When
1. Local Nature Recovery Strategy to pick up some of the issues raised by the GMCA Scrutiny Review in relation to nature-based solutions and the wider nature benefits of effective water management.	Mark Atherton	2024
2. Roundtable members to undertake an advocacy role in relation to IWM and highlight the issue wherever possible with Government, especially in relation to: (i) contradictory planning regulations (mandating SuDs in new developments) (ii) lack of available resource (financial and workforce) and (iii) behavioral change in relation to water conservation/water literacy (like carbon literacy training) and (iv) nature-based drainage solutions.	All	Ongoing
3. Integrated Water Management Plan to be shaped by a defined set of ambitions (2030, 2040 and 2050) and target dates to provide a clear sense of what we are collectively trying to achieve.	David Hodcroft / Andrew McIntosh	May 2023
4. Consideration to be given as to whether the current governance arrangements bring in the contributions of property developers and their supply chain on the issue of IWM – Utilize network for TANZ in the instance (and water company network)	Andrew McIntosh	May 2023
5. That the Retrofit Task Force Skills Subgroup be used to further drive the skills growth required for this sector.	Andrew McIntosh	2024
6. Commitment from all partners was welcomed, especially in relation to lining up the AMP cycles to ensure a shared commitment to a placed based approach for future schemes.	All	Ongoing
7. Further cross boundary visibility was required to influence what impacts would be felt from activities outside of GM.	All	Ongoing
8. Consideration to be given as to how to incite further behavior change from residents and a greater awareness as to how their actions and choices especially affect surface water drainage.	All	Ongoing
9. The role of the voluntary sector needs to be recognized in terms of the assistance they offer to the management of nature-based assets.	All	Ongoing
10. That the next steps for the Integrated Water Management Plan be noted, CA approval in May, wider engagement over the summer. A 3 rd round table in September followed by a formal launch at the Green Summit in October 2023.	David Hodcroft	May 2023

ANNEX E

The key governance attributes for integrated water management from the [Organisation for Economic Co-operation and Development \(OECD\)](#) are:

1. Defined **roles and responsibilities**.
2. Manage water intervention at **appropriate geographical scale** in Greater Manchester
3. **Policy coherence** across water and other sectors; housing, transport etc.
4. Resource **commitment across organisations**
5. **Data and information** integration to prioritize a plan.
6. **Mobilize water finance** and allocate financial resources
7. **Influence** on future investment programmes
8. **Alignment of governance practices** within organisations/regulatory boundaries
9. Level of **accountability** to decision-making
10. Level of **Partner/Stakeholder engagement and participation** in the implementation of an IWMP
11. The **partnership enables wider participation in IWMP**, to enable wider social & ecological benefit.
12. **Monitoring and evaluation of metrics** specific to the IWM (Performance Monitoring)
13. Arrangement and **contribution of co-funding**