

Local Flood Risk Management Strategy Action Plan 2024													
Measure ID	Measure	Action ID	Priority	Action	Category	Location	Lead	Partner(s)	Timeframe	Estimated Cost	Funding Source	Progress	Comments
1	Local Planning Authority (LPA)	001	Med	Develop an SPD on Flood Risk, SuDS and Open Space to accompany the new LDP	Management	Full Borough	LPA	LLFA, MTCBC Countryside	Medium	£4,500.00	MTCBC Revenue	Not Started	Cost = staff hours for duration of project
		002	Med	Work with developers and LPA at masterplanning stage to improve integration of SuDS within development	Communication/ Awareness	Full Borough	LLFA	LPA	Medium	£3,600.00	MTCBC Revenue	Not Started	Cost = staff hours. 20hrs p.a. over 6 year cycle
		003	Med	Work with LPA on LDP update from an early stage	Statutory	Full Borough	MTCBC Planning	LLFA	Medium		MTCBC Revenue	Not Started	
2	SuDS Approval Body (SAB)	004	High	Develop a maintenance programme for SuDS features adopted by MTCBC	Management	Full Borough	SAB		Short	TBC	SAB Income	Not Started	
		005	High	Review links between SAB and LPA at planning application stage. Identify solution for early identification and notification of planning applications that require SAB.	Investigation/ Research	Full Borough	LLFA	SAB, LPA	Short	£900.00	MTCBC Revenue	Not Started	Cost = staff hours for duration of project
3	Warnings and Forecast	006	High	Improve flood warnings issued by the council making them available across a wider range of platforms. Research the use of social media to issue hazard alerts more effectively.	Communication/ Awareness	Full Borough	MTCBC Corporate Communications	LLFA, MTCBC Emergency Planning	Medium	£1,050.00	MTCBC Revenue	Not Started	Cost = staff hours for duration of project
		007	Low	Research Scalgo software to establish its applicability for work across the LLFA and engineering including predicting water accumulations during flash flooding and data to support flood modelling. Determine the most cost effective licencing solution for this software.	Investigation/ Research	Full Borough	MTCBC Insurance	LLFA	Short	£300.00	MTCBC Revenue	Not Started	Cost = staff hours to complete research. Software cost TBD
4	Flood Monitoring	008	High	Investigate and deliver a real-time culvert intake monitoring system. Consider the inclusion of CCTV where beneficial.	Investigation/ Research	Full Borough	LLFA		Short	£30,450.00	Flood risk grant	In progress	Cost for 12 monitors and 15 hours staff time to organise project
		009	Low	Expansion of culvert monitoring system based on assessment of high risk intakes identified under action 011	Management	Full Borough	LLFA		Long	£15,000.00	Flood risk grant	Not Started	Cost for 6 monitors
5	Understanding Flood Risk	010	High	Carry out flood risk modelling to demonstrate reduction in risk provided by recent projects and submit updates via flood risk to NRW. Modelling completed in house where possible	Investigation/ Research	Troedyrhiw priority, Full Borough	LLFA	NRW Local Operations Team	Medium	£7,800.00	Flood risk grant	Not Started	Cost = 150 hours staff time to complete modelling + 3 years software licence
		011	High	Conduct detailed analysis for high risk intakes and watercourses associated with past flooding events. Modelling completed in-house where possible. Where technicalities exceed internal expertise, consultants will be used.	Investigation/ Research	Full Borough	LLFA	NRW Local Operations Team	Long	£24,300.00	FCERM Pipeline	Not Started	Cost = 200 hrs staff time to complete modelling + 3 years software + consultant's fees
6	Flood Modelling and Surveys	012	High	Produce a record of hydrological modelling that has been commissioned across the borough. Create central repository for the modelling outputs where appropriate	Investigation/ Research	Full Borough	LLFA	MTCBC IT	Medium	£1,500.00	MTCBC Revenue	Not Started	Cost = 50 staff hours to complete action
		013	Med	Flood risk modelling training for LLFA staff to reduce reliance on consultants	Investigation/ Research	Full Borough	LLFA		Short	£1,150.00	Flood risk grant	Not Started	Cost = 1x training course
		014	Med	Upskill engineering staff in watercourse survey so that data for flood modelling an be gathered in-house	Investigation/ Research	Full Borough	LLFA	MTCBC Engineering	Medium	£10,500.00	Flood risk grant	Not Started	Cost = staff time to complete informal training + new levelling equip.
7	Groundwater	015	Med	Incorporate groundwater into flood risk awareness material and improve information available on the council website	Communication/ Awareness	Full Borough	LLFA	MTCBC IT, MTCBC Corporate Communications	Short	£300.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
		016	Low	Discuss the development a project on understanding groundwater risk across the borough. Outputs of the study to be used in the planning process	Investigation/ Research	Full Borough	LLFA	MTCBC Planning	Long	£1,500.00	MTCBC Revenue	Not Started	Cost = project outline and funding bid prep. Project cost to be confirmed at tender
		017	Med	Develop a project focussed on improving our knowledge on the interaction between groundwater and landslides	Investigation/ Research	Full Borough	LLFA	NRW	Long	£3,000.00	MTCBC Revenue, flood risk grant	Not Started	Cost = staff time to develop project. Consultant fees to be determined at tender stage
8	Historical Flooding	018	Med	Set up a data sharing agreement with South Wales Fire Service for flood related call-out data. Replicate agreement with South Wales Police once SWFS is successfully	Communication/ Awareness	Full Borough	MTCBC Data Protection	SWFS, LLFA	Medium	£1,200.00	MTCBC Revenue	In progress	Cost = staff hours to complete action
		019	Med	Maintain an asset register of historic flooding events across the borough from a range of data sets including staff interviews, fire service records and MTCBC historic paper records	Investigation/ Research	Full Borough	LLFA	MTCBC GIS, MTCBC IT	Medium	£2,700.00	MTCBC Revenue	Not Started	Cost = staff hours over 4 years
9	Flood Awareness and Education	020	Med	Review past and current communication material on flood risk including MTCBC Emergency Planning flyers, LLFA webpages	Communication/ Awareness	Full Borough	LLFA	MTCBC Emergency Planning, MTCBC Corporate Communications	Short	£600.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
		021	High	Produce flyers for properties at high risk of flooding to raise awareness to educate residents about flood risk	Communication/ Awareness	Properties at 'High' risk of flooding from surface water and small watercourses	LLFA	MTCBC Emergency Planning	Short	£1,700.00	Flood risk grant	Not Started	Cost = staff hours to complete action
		022	Med	Develop and deliver workshops in high risk communities on flood risk awareness and 'what to do in a flood' in high risk communities. Include guidance on community and individual flood plans (Measure #12).	Communication/ Awareness	Initially: Town North, Town South, Morlais, Troedyrhiw, Pentrebach. Open to all residents	LLFA	MTCBC Emergency Planning, MTCBC Corporate Communications, NRW	Medium	£2,430.00	Flood risk grant	Not Started	Cost = staff hours to complete action
		023	Low	Get flood risk and SuDS included as part of the Merthyr Tydfil Schools' Climate Charter	Communication/ Awareness	Full Borough	LLFA	MTCBC School Planning & Improvement	Short	£1,500.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
		024	Med	Deliver flood risk education sessions in schools. Trial in schools at high risk of surface water flooding.	Communication/ Awareness	Troedyrhiw Primary, St Illtyd's Primary Dowlais	MTCBC School Planning & Improvement	LLFA, MTCBC Energy, MTCBC Emergency Planning, MTCBC Corporate Communications	Medium	£2,400.00	Flood risk grant	Not Started	Cost = staff hours to deliver trial
10	Flood Risk Responsibilities	025	Low	Develop database of addresses that have riparian ownership associated with high risk assets. Targeted communications on riparian responsibilities	Investigation/ Research	Full Borough	LLFA	MTCBC GIS, MTCBC Corporate Communications	Medium	£2,200.00	Flood risk grant	Not Started	Cost = staff hours to complete action
11	Partnership Working	026	Med	Input to DCWW project aimed at reducing surface water entering combined sewers that outfall to Trelewis Glynbargoed Rd CSO	Communication/ Awareness	Bargoed Taf	DCWW	LLFA	Short	£3,000.00	MTCBC Revenue/ DCWW	In progress	20 hours staff time p.a. over 5 years
		027	Low	Stakeholder in Cilfynydd treatment works expansion project	Communication/ Awareness	Full Borough	DCWW	LLFA	Long	TBC	DCWW	Not Started	Time input required from MTCBC to be confirmed
		028	Med	Deliver an NFM scheme through a Catchment Partnership	Management	Morlais, Vaynor, Trelewis	NRW	LLFA, MTCBC Planning, MTCBC Countryside, NRW, SWTRA	Short	£2,400.00	MTCBC Revenue/NRW	In progress	40 hours MTCBC staff time p.a. over 2 years. Project cost covered by NRW
		029	Low	Input Nature Based Solutions for Water Management Task & Finish Group and support delivery of an NFM scheme in BBNP	Communication/ Awareness	Vaynor	DCWW	MTCBC LLFA, Carmarthenshire LLFA, RCTCBC, Cardiff, Powys, Bannau Brycheiniog NPA,	Medium	£3,000.00	MTCBC Revenue/ DCWW	In progress	20 hours MTCBC staff time p.a. over 5 years
		030	Med	Stakeholder for the 'Taff Strategic Flood Masterplan' - attend workshops, provide data and technical advice	Communication/ Awareness	Full Borough	NRW	DCWW, RCT, MTCBC, Cardiff Council,	Long	£3,000.00	MTCBC Revenue/ NRW	In progress	20 hours MTCBC staff time p.a. over 5 years

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		031	High	Develop a flood risk reduction programme for the Glamorganshire Canal including maintenance and physical improvements	Investigation/ Research	Treharris, Aberfan, Troedyrhiw, Abercanaid	LLFA	DCWW, MTCBC Estates	Medium	£6,000.00	MTCBC Revenue/ DCWW	Not Started	40 hours MTCBC staff time p.a. over 5 years
		032	Med	Maintain the position of the LLFA as a consultee for Active Travel and Local Places for Nature projects at design stage to ensure benefits for flood risk are maximised	Management	Full Borough	MTCBC Active Travel, MTCBC Countryside	MTCBC Engineering, LLFA	Medium	£6,000.00	MTCBC Revenue, Active Travel Fund, Local Places for Nature Fund	In progress	40 hours MTCBC staff time p.a. plus project costs TBC
12	Flood Response Plan	033	High	Assist Emergency Planning with organising a simulated flood incident exercise to train MTCBC staff	Communication/ Awareness	Full Borough	MTCBC Emergency Planning	LLFA, MTCBC Engineering, Emergency Services, Parks, H&SC, Contact Centre, Leisure Trust	Short	£300.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
		034	Low	Develop a video for the public with information on how to respond during a flood and the roles of RMAs in response.	Communication/ Awareness	Town North, Town South, Morlais, Troedyrhiw, Pentrebach	MTCBC Emergency Planning	MTCBC Corporate Communication, LLFA, Emergency Services	Medium	£5,250.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action + filming costs
		035	Med	Review the MTCBC Emergency Flood Response Plan Annually	Statutory	Full Borough	LLFA	MTCBC Emergency Planning	Long	£360.00	MTCBC Revenue	In progress	Cost = staff hours p.a.
13	Community Resilience	036	Med	Research opportunities for Property Flood Resilience delivery and consult with communities at high risk of flooding to gauge level of demand	Investigation/ Research	Properties at 'High' risk of flooding from surface water and small watercourses	LLFA	NRW	Medium	£900.00	MTCBC Revenue	Not Started	Cost to complete research. Programme development to be determined following research
		037	Med	Update webpages to include information on PFR and post-flooding insurance options	Communication/ Awareness	Full Borough	LLFA	MTCBC IT	Short	£450.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
14	Holistic Flood Response and Recovery	038	Med	Scope improvements to MTCBC's mental health response to flooding	Investigation/ Research	Full Borough	MTCBC Emergency Planning	LLFA, RCT, Cwm Taf Morgannwg Health Board	Medium	TBC	TBC	Not Started	
15	Investigating Flood Events	039	High	Undertake Section 19 reports for flooding where 20 or more homes in one area experience internal flooding	Statutory	Full Borough	LLFA		As Required	£8,000.00	Flood risk grant	In progress	As required. Cost = estimate per S19
		040	High	Develop a template report for flood investigations to be used by the engineering team to increase quality and consistency of investigation feedback	Investigation/ Research	Full Borough	LLFA	MTCBC Engineering	Short	£900.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
16	Recording of Flood Events	041	High	Create database of flooding records from 'Lifeline control room' to improve historic flooding records. Maintain database so that any flood incidents recorded by Lifeline are sent to the LLFA.	Investigation/ Research	Full Borough	LLFA	MTCBC Emergency Planning	Medium	£900.00	MTCBC Revenue	Not Started	Cost = staff hours to create database. Additional maintenance hours required
		042	Med	Collect data from 'Tascomi' system to create a record of historic and future flooding. Create a tag for 'flooding' and automate the future recording of flood call-ins from the system	Investigation/ Research	Full Borough	LLFA	MTCBC Data Protection, MTCBC Customer Service	Medium	£900.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
		043	High	Develop an online form for recording flood events. The form will be available to all departments in MTCBC and will allow for consistent and timely recording of flood events.	Communication/ Awareness	Full Borough	LLFA	MTCBC IT, MTCBC Corporate Communications	Short	£600.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
		044	Med	Create database of flooding records from existing online forms on council webpages to improve historic flooding records. Maintain database so that any flood incidents recorded by online forms are sent to the LLFA.	Investigation/ Research	Full Borough	LLFA	MTCBC IT	Medium	£900.00	MTCBC Revenue	Not Started	Cost = staff hours to create database. Additional maintenance hours required
17	Natural Flood Management (NFM)	045	Low	Formal NFM training for LLFA staff. Provide informal training for engineering and country staff following formal training.	Communication/ Awareness	Full Borough	LLFA	The River Restoration Centre/ CIRIA	Short	£2,050.00	Flood risk grant/ MTCBC Revenue	Not Started	Cost = training for 2x staff + informal staff training
		046	Low	Produce guidelines for the engineering department on how NFM can be considered at optioneering stage for all flood risk management schemes	Communication/ Awareness	Full Borough	LLFA	MTCBC Engineering	Medium	£750.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
		047	High	Produce a shortlist of areas across the borough that have good potential for NFM and could be used a pilot projects	Investigation/ Research	Focus areas: Morlais, Pentrebach, Treharris, Bargoed Taf	LLFA	MTCBC Countryside	Short	£600.00	MTCBC Revenue	In progress	Cost = staff hours to complete action
		048	High	Produce a shortlist of areas within urbanised parts of the borough for the delivery of retrofit SuDS projects	Investigation/ Research	Focus areas: Town North, Town South, Morlais	LLFA	MTCBC Highways, MTCBC Countryside, DCWW	Short	£600.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action
18	Mineral Extraction	049	Low	Develop a project focussed on improving our knowledge on the interaction between groundwater and abandoned mine adits	Investigation/ Research	Full Borough	LLFA	Coal Authority, NRW	Long	£3,000.00	MTCBC Revenue, flood risk grant	Not Started	cost = staff hours + consultant fees to be determined at tender stage
		050	High	Continue LLFA/Engineering representation on Ffos-y-Fran technical working group	Statutory	Morlais, Town South	MTCBC Planning	LLFA, MSW, Groundwater Science	Short		MTCBC Revenue	In progress	
		051	High	Determine surface water and groundwater drainage regime at Ffos-y-Fran and introduce monitoring at known outfalls	Investigation/ Research	Morlais, Town South, Pentrebach	NRW, MSW Consultants LLFA	HSE, Coal Authority, MSW	Short	N/A	NRW	In progress	
19	Flood Risk and Climate Change	052	Low	Run a seminar on impacts of climate change for MTCBC staff	Communication/ Awareness	Full Borough	MTCBC Energy	LLFA	Medium	£900.00	MTCBC Revenue/ Energy budget	Not Started	Cost = staff hours to complete action
		053	Med	Include flood risk in educational materials and public workshops	Communication/ Awareness	Full Borough	MTCBC Energy	LLFA	Medium	£1,050.00	MTCBC Revenue/ Energy budget	Not Started	Cost = staff hours to complete action
		054	Low	Set up a climate change working group	Communication/ Awareness	Full Borough	MTCBC Energy	LLFA, MTCBC Countryside, MTCBC Planning, MTCBC Highways, MTCBC Property Services	Medium	£1,500.00	MTCBC Revenue/ Energy budget	Not Started	Cost = staff hours 10 hours MTCBC staff time p.a.
		055	Low	Collaborate with public health on the Cwm Taf Morgannwg climate change risk assessment to ensure flood risk is covered	Communication/ Awareness	Full Borough	Cwm Taf Morgannwg PSB	LLFA, MTCBC Energy	Short	£720.00	MTCBC Revenue	Not Started	Cost = staff hours 2 hours per month over 2 years
		056	High	Develop flood risk management schemes to help protect the most at risk communities	Investigation/ Research	Focus areas: Town North, Town South, Morlais, Troedyrhiw, Pentrebach	LLFA	MTCBC Engineering, NRW Local Operations Team	Short	To be determined at tender	FCERM Pipeline	Not Started	

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20	Flood Risk Management Schemes	057	High	Deliver flood risk management schemes to help protect the most at risk communities	Management	Focus areas: Town North, Town South, Morlais, Troedyrhiw, Pentrebach	LLFA	MTCBC Engineering, NRW Local Operations Team	Long	To be determined at tender	FCERM Pipeline	Not Started	
		058	Med	Develop and deliver schemes to target existing highway flooding issues	Management	Town North, Town South, Merthyr Vale	MTCBC Highways	LLFA	Medium	£7,500.00	Highways budget/ Resilient Roads	Not Started	Internal design costs for scheme developmet only (further cost TBD at tender)
21	Flood Risk Asset Register and Record	059	High	Introduce new flood asset register to record flood assets, adopted SAB assets and live recording of flood asset inspections and investigations. Report to NRW for inclusion in national flood asset database.	Statutory	Full Borough	LLFA		Medium	£38,000.00	MTCBC Revenue	Not Started	Cost = staff hours to complete action + cost of new system
		060	Low	Compile condition information from recent culvert surveys to be added to asset register	Investigation/ Research	Morlais, Town North, Town South,	LLFA	MTCBC GIS	Short	£1,500.00	MTCBC Revenue	In progress	Cost = staff hours to complete action
22	Flood Asset Maintenance	061	High	Continue regular maintenance programme for intakes, trash screens and channels to reduce risk of blockages	Statutory	Full Borough	LLFA	MTCBC Highways	Short		Land drainage budget	Ongoing	
		062	High	Continue regular maintenance programme for gullies and highway drainage to reduce risk of blockages	Statutory	Full Borough	MTCBC Highways	LLFA	Short		Highways budget	Ongoing	