

Shannon Flood Risk State Agency Co-ordination Working Group - Thematic Summary of 2016 Work Programme

Who	Location	Point / Structure	Measure Type	Measure	Comment	Shannon CFRAM / FRMP
CHANNEL MAINTENANCE						
ESB	Ardnacrusha / Parteen	Embankments and Head/Tail races	Channel Maintenance	General Maintenance	Maintenance of Fort Henry, Ardcloney & Kilmastulla Embankments, Ardnacrusha Head/Tail race and Embankments	Describe in Flood Risk Management Plans (FRMP)
ESB	Shannon Catchment	Various	Channel Maintenance	General Maintenance	Selective bankside clearance will be outside of the bird nesting season (1st March to the 31st September) and instream works will be for the duration of Mid-June to the end of September (Shannon Fisheries Act, 1935)	Describe in FRMP
WI	Shannon Navigation	Various	Channel Maintenance	General Maintenance	Cut back overhanging vegetation impacting on the navigation channel. Maintain navigation channel and bed free from obstruction.	Describe in FRMP
OPW	Arterial Drainage (AD) Schemes	AD Schemes	Channel Maintenance	General Maintenance	Arterial Drainage Maintenance - In 2016, 829.7 kms of channels and embankments to be maintained - GIS data available of AD Schemes	Describe in FRMP
OPW	Drainage Districts (DD)	Drainage Districts	Channel Maintenance	Reporting	Reporting on DD Maintenance - 5-yearly inspection by OPW	Describe in FRMP
LA	Drainage Districts	Drainage Districts	Channel Maintenance	DD Maintenance	Maintenance works in a number of drainage districts - GIS data available of DDs	Describe in FRMP
LA	Catchment	Catchment	Channel Maintenance	Localised channel cleaning	Localised channel cleaning (Various reports)	N/A
INSPECTION AND MAINTENANCE OF STRUCTURES						
All	Catchment	Catchment	Maintenance	Inspection & Maintenance	Inspection and Maintenance of structures associated with works (e.g., Shannon Hydropower Scheme, Shannon Navigation, AD & DD Schemes, Flood Relief Schemes, Peat-land works, etc.)	N/A
WATER LEVEL AND FLOW REGULATION						
ESB	Ardnacrusha / Parteen	Ardnacrusha Power Station	Operations	Power Generation	Maintaining turbines in operation required during high-flow conditions to avoid flood risk along Lower Shannon - Spillway available of equivalent capacity to one of the four turbines	Potential for change being assessed in Shannon Catchment Flood Risk Assessment and Management (CFRAM)
WI	Shannon Navigation	Various	Operations	Water level regulation	Management of Water Levels at 9 structures to defined Ordinary Summer Level and within defined limits (incl. Athlone on behalf of ESB) - Potential contribution to flood risk management (FRM) of amended operational regime	Potential for change being assessed in Shannon CFRAM
ESB	Ardnacrusha / Parteen	Parteen Weir	Operations	Flow & Water Level Regulation	Water levels in Lough Derg regulated in accordance with ESB's Regulations and Guidelines for the Control of the River Shannon - Potential contribution to FRM of amended operational regime	Potential for change being assessed in Shannon CFRAM
ESB	Lough Allen	Bellantra Sluices & Athlone Weir	Operations	Water level regulation	Water levels in Lough Allen regulated in accordance with ESB's Regulations and Guidelines for the Control of the River Shannon - Potential contribution to FRM of amended operational regime	Potential for change being assessed in Shannon CFRAM
PHYSICAL WORKS						
OPW	Catchment	Catchment	Works	Flood Relief Schemes	Existing Flood Relief Schemes	Describe in FRMP
OPW	Catchment	AFAs	Works	CFRAM - Flood Relief Schemes	FRMPs covering 66 Areas for Further Assessment (AFAs - GIS data available) - Potential for new flood relief schemes	Describe in FRMP
IFI	Catchment	2 Locations, Various Locations	Works	Channel Works	Channel habitat enhancement works - Potential local impact on flood risk (increase or decrease)	Address in Full Scheme Development Stage, where relevant

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IFI, BnM, IW, NPWS	Catchment	Various Specific Points	Works	Various	Various local works, e.g., Fish Passes in Weirs, WWTP Upgrade, Urban Drainage Upgrade + Peat Bog Restoration / Management Plans	Address in Full Scheme Development Stage, where relevant
LA	Catchment	Catchment	Works	Minor Works	Availability of Minor Works Programme - Implementation of local flood relief schemes by local authorities with OPW funding	Reference to Minor Works Scheme
LA	Catchment	Catchment	Works	Local Flood Relief Works	New flood relief or similar physical works (funded directly by local authorities)	Address in Full Scheme Development Stage, where relevant
LA	Catchment	Road	Works	Road Raising	Road raising to keep access to properties open in times of flood - Potential restriction to flow path that could increase risk upstream	Address in Full Scheme Development Stage, where relevant
HYDROMETRIC MONITORING / FORECASTING						
ESB	Ardnacrusha / Parteen	Ardnacrusha Station	Operations	Flow / WL Forecasting	Twice weekly forecasts of water levels in Loughs Allen, Ree and Derg - Lake level forecasts prepared and issued to stakeholders on Mondays and Thursdays	Describe in FRMP
OPW, EPA, ESB, WI	Catchment	Catchment	Information	Hydrometric Monitoring	Hydrometric monitoring at multiple gauging stations around the catchment - Informs flood risk assessment and management - Rainfall data also collected by Met. Eireann	Describe in FRMP
FLOOD MAPPING, PLANNING AND EMERGENCY RESPONSE						
OPW	Catchment	AFAs	Information	CFRAM - Flood Mapping	Production of Flood Maps under CFRAM Programme for 66 AFAs plus MPW reaches (including main Shannon River - GIS data available)	Part of FRMP
LA	Catchment	Catchment	Flood Event Response	Emergency Response	Preparation of Emergency Response Plans by Local Authorities - Can make use of detailed CFRAM maps in the review of the Response Plans	Describe in FRMP
LA	Catchment	Catchment	Regulatory	Planning	Sustainable planning to avoid building in floodplains and increased runoff - Can make use of detailed CFRAM maps in the review of Plans / Planning Applications	Section 11.9 Report - Describe in FRMP
WATER FRAMEWORK DIRECTIVE (WFD)						
EPA	Catchment	Catchment	WFD	WFD	Potential impacts (+ve /-ve) of FRMP measures on water quality, and of WFD measures on flows / water levels (flood risk)	Describe in FRMP
CLIMATE CHANGE						
EPA, DECLG, OPW	Catchment	Catchment	CC	CC	Research outputs from projects that address the linkages between climate change and flood risk --- DECLG leading Climate Change Sectoral Adaptation Steering Committee --- OPW have prepared the Climate Change Sectoral Adaption Plan for flood risk management	Describe in FRMP
REGULATORY FUNCTIONS						
IFI	Catchment	Catchment	Regulation	Regulation	1959 Fisheries Consolidation Act - Inland Fisheries Act 2010	
DECLG, EPA	Catchment	Catchment	Regulation	Regulation	Water Framework Directive planning and implementation (European Union (Water Policy) Regulations 2014)	
Various	Catchment	Catchment	Regulation	Regulation	SEA and EIA Directives / Regulations (Designated Environmental Authorities)	
NPWS	Catchment	Catchment	Regulation	Regulation	Birds and Habitats Directives / Regulations	
OPW	Catchment	Catchment	Regulation	Regulation	Arterial Drainage Act, 1945, Sections 47 & 50 (Weirs and Bridges)	