

Examples of typical environmental problems related to water identified for different scales of Plan

Level of Plan	Environmental Problems & Sensitive Areas	Examples of Evidence
Water Quality		
Regional Plan (e.g. Regional Transport Strategy)	Water bodies in close proximity to main roads are at risk from pollution caused by the impacts of contaminated surface water run-off from roads.	<ul style="list-style-type: none"> • National/ regional level State of the Environment Reports • Local water quality monitoring data • Significant water management issues reports • River Basin Management Plans
Water Pollution		
National Plan (e.g. Marine Aquaculture Strategy)	Effluent from marine aquaculture facilities is an increasingly contributory source of marine water pollution	<ul style="list-style-type: none"> • National/ regional level State of the Environment Reports • Marine Spatial Plans • Marine water quality monitoring data • Significant water management issues reports • River Basin Management Plans • Aquaculture facility licenses
Local Plan (e.g. Contaminated Land Remediation Strategy)	Historical soil contamination, in and around previous coal mining areas in the council area, is a key source of groundwater pollution.	<ul style="list-style-type: none"> • Local Authorities Contaminated Land Remediation Strategy • Local Authority register of statutorily determined contaminated sites • Significant water management issues reports • River Basin Management Plans • Groundwater quality monitoring data
Water Resources		
Regional Plan (e.g. Renewable Energy Plan)	Flow regulation at dams used for electricity generation in the highlands contributes to very low flow rates in some river stretches.	<ul style="list-style-type: none"> • Significant Water Management Issues reports • River Basin Management Plans • Hydro scheme licensing monitoring data
Local Plan	Over-abstraction in an area of relatively low water productivity in the district leading to environmental impacts on river reaches, groundwater sources and lakes/ lochs.	<ul style="list-style-type: none"> • Groundwater level monitoring data • Abstraction licensing data • Local Authority private water supply register
Hydromorphology		
National Plan (e.g. Marine Spatial Strategy)	Historical engineering, urbanisation, industrialisation and energy generation has led to significant impacts on the natural hydromorphology of many water bodies, in particular, transition water bodies.	<ul style="list-style-type: none"> • Monitoring and assessment of hydromorphology • Significant Water Management Issues reports • River Basin Management Plans.

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Local Plan (e.g. Port and Harbour Regeneration Masterplan)	Historical development of sea defences and harbour wall has affected riverine/ estuarine flow rates causing deposition of sediments and alteration of channel widths, bank structure and removal of habitats (e.g. mudflats and salt marshes).	<ul style="list-style-type: none"> • Monitoring and assessment of hydromorphology • Local Development Plans • Local Biodiversity Action Plans
Flooding		
National Plan (e.g. National Planning Framework)	Historical, current and planned development in flood plains and other flood risk zones.	<ul style="list-style-type: none"> • Indicative flood map • Flood risk assessment reports • National Planning Framework • Local Development Plans
Local Plan (e.g. Local Development Plan)	Sought after/ desirable development locations in a district are situated on or in close proximity to the coastal flood risk zone.	<ul style="list-style-type: none"> • Indicative flood map • Local flood risk assessment reports • Local Development Plans

Note: This table provides a framework to illustrate how this guidance could be used.