Hazard Event:	**River Flood**
Frequency of Occurrence:	Frequent
Description of the Hazard Event: (Including relevant meteorological / climatological conditions and locations affected)	Rivers exceeding the capacity of their river banks. Bursting of river banks. Riverside infrastructure particulalry affected.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Damage to infrastructure	Flood water affecting built environment. Can lead to closure of facilities	LA buildings	Physical	Use of material Built Heritage Fixed or manual flood defences Flooded outfalls Structural loading	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	Negligible	Minor	None	None	None	None	None	None	0.61
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
		Roads & Bridges	Physical	Use of material Built Heritage Structural loading	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	Moderate	None	None	0.33
			Environmental	Proximity to rivers																			
			Socioeconomic	-																			
		Railway	Physical	-	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
			Environmental	Proximity to rivers																			
			Socioeconomic	-																			
		Housing	Physical	Use of material Built Heritage Fixed or manual flood defences Flooded outfalls Structural loading	None	None	None	Negligible	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	0.39
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
		Construction sites	Physical	Security of materials Silt netting	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
		Commerce	Physical	Storage of stock/ equipment	Negligible	None	Minor	None	None	None	Negligible	None	None	None	None	Minor	None	None	None	None	Minor	None	0.44
			Environmental	Proximity to rivers																			
			Socioeconomic	-																			
		Agricultural land	Physical	Efficiency of drainage network Flooded outfalls	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Environmental	Proximity to rivers																			
			Socioeconomic	-																			
		Drainage networks	Physical	Capacity Build up of silt	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	-																			
			Socioeconomic	-																			
		Land use suitability	Physical	Adequacy pf drainage network	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	Moderate	None	None	None	0.22
			Environmental	Proximity to rivers																			
			Socioeconomic	-																			
		Power supply	Physical	Fixed or manual flood defences Flooded outfalls Structural loading Backup generator availability	Negligible	Negligible	Major	Negligible	Minor	Negligible	Minor	Negligible	Negligible	Negligible	Minor	Moderate	Negligible	Negligible	Negligible	Moderate	Negligible	Moderate	1.67
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
Damage to environment	Loss of biodiversity	SAC/SPA/natural habitats	Physical	Flora sensitivity to saturation Anchorage of flora	None	None	None	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.28
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
Damage to riverside amenities	Damage to amenities on riverbanks, leading to closure for public safety	Walkways and trails	Physical	-	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	None	Minor	None	0.39
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
Unuseable roads	Roads will become inundated with water and become inaccessable	Road network	Physical	Efficiency of drainage network Flooded outfalls	None	None	Negligible	Negligible	Moderate	None	Negligible	Negligible	None	None	None	None	Negligible	None	None	Moderate	Negligible	None	0.67
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
		Pathways/ cycle lanes	Physical	Drainage network	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Moderate	Negligible	None	0.50
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
		General public	Physical	-	None	None	None	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.22
			Environmental	Road congestion																			
			Socioeconomic	Exposure to warninos/ alerts																			
		Emergency responders	Physical	-	None	None	Minor	None	Major	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			Environmental	Road congestion																			
			Socioeconomic	Reliance on TII for alerts on National roads Extended workload and overtime leading to burnout and availability of monitoring staff																			

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Reduced water quality	Foreign substances entering water systems. Boil water notices issued in some cases	Water bodies	Physical	Sewage overflow inputs into water bodies Water turbidity Combined foul and surface system	None	None	Negligible	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.56
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	-																			
		Water supply distribution	Physical	Back up generator availability	None	None	Negligible	Negligible	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	Major	0.56
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to rivers																			
			Socioeconomic	Extended workload and overtime leading to burnout and availability of monitoring staff Responsibility (Irish Water)																			
Inundated wastewater treatment systems	Private systems located in poor drainage areas and/or flood zones become inundated	Wastewater infrastructure	Physical	Capacity and fullness of septic tanks	None	None	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	None	None	Major	0.44
			Environmental	Water table level Proximity to rivers																			
			Socioeconomic	-																			
Temporary housing	Relocation of homeless and residents of flooded properties	General public	Physical	-	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	Negligible	None	None	None	Minor	None	0.56
			Environmental	Proximity to rivers																			
			Socioeconomic	Population age Population constitution Housing availability																			
		LA staff	Physical	-	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	None	None	None	None	Negligible	None	0.44
			Environmental	Proximity to rivers																			
			Socioeconomic	Population age Population constitution Housing availability																			
		Homeless	Physical	-	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to rivers																			
			Socioeconomic	Population age Population constitution Housing availability																			
Health and Safety risks	Drowning/ presence of submerged hazards leading to injury or death	General public	Physical	-	None	None	Minor	None	Minor	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44
			Environmental	Proximity to rivers																			
			Socioeconomic	Human desire to watch the event from an unsafe location Population age Population constitution Exposure to warnings/ alerts																			
		LA staff	Physical	-	None	None	Minor	None	Minor	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	Negligible	None	0.50
			Environmental	Proximity to rivers																			
			Socioeconomic	Population age Population constitution																			
		Homeless	Physical	-	None	None	None	None	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Proximity to rivers																			
			Socioeconomic	Population age Population constitution																			
Cancellation/ postponing of cultural events	Adverse weather disrupting ability to hold a cultural event	Cultural events	Physical	-	None	Moderate	Negligible	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44
			Environmental	Proximity to rivers																			
			Socioeconomic	-																			

Hazard Event:	**Extreme Precipitation**
Frequency of Occurrence:	Very Frequent
Description of the Hazard Event: (including relevant meteorological / climatological conditions and locations affected)	An unusually large volume of rainfall in a short period of time. Red Warning 70mm or greater in 24 hours. Orange Warning 50-70mm in 24 hours. Yellow Warning 30-50mm in 24 hours.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																	
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Flooding	Excessive rainfall resulting in flooding, causing damage. Can lead to closure of facilities	LA buildings	Physical	Use of material Built Heritage Fixed or manual flood defences Flooded outfalls Structural loading	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	Negligible	Moderate	None	None	None	None	None	None	0.67
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	-																		
		Roads & Bridges	Physical	Use of material Built Heritage Adequacy of drainage systems	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	Moderate	None	None	0.33
			Environmental	Faster rate of deterioration in roads due to prolonged exposure of road surfaces to flooding																		
			Socioeconomic	-																		
		Housing	Physical	Use of material Built Heritage Fixed or manual flood defences Flooded outfalls Structural loading	None	None	None	Negligible	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	0.39
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	-																		
		Construction sites	Physical	Security of materials Silt netting	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	-																		
		Commerce	Physical	Storage of stock/ equipment	Negligible	None	Minor	None	None	None	Negligible	None	None	None	None	Minor	None	None	None	None	Minor	None	0.44
			Environmental	Proximity to urban environment																		
			Socioeconomic	-																		
		Drainage networks	Physical	Capacity Build up of silt	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	-																		
			Socioeconomic	-																		
		SAC/SPA/natural habitats	Physical	Flora sensitivity to saturation Anchorage of flora	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.33
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	-																		
		Agricultural land	Physical	Efficiency of drainage network Flooded outfalls	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Environmental	Proximity to urban environment																		
			Socioeconomic	-																		
		Land use suitability	Physical	Adequacy of drainage network	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	Moderate	None	None	None	0.22
			Environmental	Proximity to urban environment																		
			Socioeconomic	-																		
		Amenities	Physical	Equipment security Adequacy of drainage network	None	Minor	None	Minor	None	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	None	0.61
			Environmental	Proximity to urban environment																		
			Socioeconomic	-																		
Unuseable roads	Roads will become inundated with water and become inaccessable	Road network	Physical	Efficiency of drainage network	None	None	None	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	Negligible	Moderate	Negligible	None	0.61
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	-																		
		Pathways/ cycle lanes	Physical	-	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Moderate	Minor	None	0.56
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	-																		
		General public	Physical	-	None	Negligible	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.61
			Environmental	Road congestion																		
			Socioeconomic	Exposure to warnings/ alerts																		
		Emergency responders	Physical	-	None	None	Moderate	Minor	Moderate	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.50
			Environmental	Road congestion																		
			Socioeconomic	Reliance on TII for alerts on National roads Extended workload and overtime leading to burnout and availability of monitoring staff																		
Reduced water quality	Washed out nutrients/chemicals from surface run off entering water bodies. Boil water notices issued in some cases	Water bodies	Physical	Sewage overflow inputs into water bodies Gradient of ground Water turbidity Capacity	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.44
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	-																		
		Water supply distribution	Physical	Increase in peak flows Back up generator availability	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.39
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																		
			Socioeconomic	Extended workload and overtime leading to burnout and availability of monitoring staff Resoonsibility (Irish Water)																		
Inundated wastewater treatment systems	Private systems located in poor drainage areas and/or flood zones become inundated	Wastewater infrastructure	Physical	Capacity and fullness of septic tanks	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.39
			Environmental	Water table level Proximity to urban environment																		
			Socioeconomic	-																		

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Health and Safety risks	Heavy rain affects safe travel and poses a risk of injury from uncertain footing	General public	Physical	-	None	Negligible	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.50
			Environmental	Available cover Proximity to urban environments Adequacy of drainage systems																			
			Socioeconomic	Population age Population constitution																			
		Council staff	Physical	-	None	None	Moderate	None	Moderate	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	None	None	0.56
			Environmental	Available cover Proximity to urban environments Adequacy of drainage systems																			
			Socioeconomic	Population age Population constitution																			
		Outdoor workers	Physical	Transport method used	None	None	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			Environmental	Available cover Proximity to urban environments Adequacy of drainage systems																			
			Socioeconomic	Population age Population constitution																			
Land erosion	Rainfall causing ground saturation, weakening ground strength	Saturated cliffs	Physical	Soil properties	None	None	None	Minor	None	Moderate	Negligible	None	None	None	None	None	None	None	None	Negligible	None	None	None	0.39
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
Erosion of structures	Chemical reaction dissolving structures/ scour	LA buildings	Physical	Use of material Built Heritage	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	-																			
			Socioeconomic	-																			
		Road network	Physical	Use of material Built Heritage	None	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.28
			Environmental	-																			
			Socioeconomic	-																			
		Housing	Physical	Use of material Built Heritage	None	None	None	None	None	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	None	0.17
			Environmental	-																			
			Socioeconomic	-																			
Cancellation/ postponing of cultural events	Adverse weather disrupting ability to hold a cultural event	Cultural events	Physical	Available cover	None	Moderate	Negligible	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44
			Environmental	Proximity to urban areas																			
			Socioeconomic	-																			

Hazard Event:	**Severe Windstorm**
Frequency of Occurrence:	Very frequent
Description of the Hazard Event: (including relevant meteorological / climatological conditions and locations affected)	Red Warning indicating mean gusts >80km/h. Gusts in excess of 130km/h Orange Warning indicating mean gusts of 65-80km/h. Gusts ranging between 110-130km/h Yellow Warning indicating mean gusts of 50-65km/h. Gusts ranging between 90-110km/h

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		Impact Score
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	
Damage to infrastructure	Wind causing damage to infrastructure. Can lead to closure of facilities	LA buildings	Physical	Use of material Built Heritage Structural loading Building heights	Negligible	None	Moderate	Minor	None	None	Minor	None	Moderate	Minor	Negligible	None	None	Minor	Negligible	None	Negligible	None	1.00
			Environmental	Proximity to vegetation Wind tunnels in urban environments																			
			Socioeconomic	-																			
		Bridges	Physical	Use of material Built Heritage Structural loading	None	None	None	None	None	None	Negligible	None	Moderate	None	None	None	None	None	None	Moderate	None	None	0.39
			Environmental	-																			
			Socioeconomic	-																			
		Housing	Physical	Use of material Built Heritage Structural loading Building heights	None	None	None	Minor	Minor	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	0.44
			Environmental	Proximity to vegetation Wind tunnels in urban environments																			
			Socioeconomic	-																			
		Commerce	Physical	-	Negligible	None	Moderate	None	None	None	Negligible	Negligible	None	None	None	Negligible	None	Negligible	None	None	Moderate	None	0.61
			Environmental	Proximity to vegetation Wind tunnels in urban environments																			
			Socioeconomic	Nature of business																			
		Telemetry	Physical	-	None	None	Moderate	Moderate	Moderate	None	Negligible	Negligible	None	None	Negligible	Moderate	Minor	Negligible	None	Minor	Minor	Minor	1.33
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Water abstraction and wastewater infrastructure	Physical	Integrity of treatment plant infrastructure	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.22
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Amenities	Physical	Equipment security Available shelter Adequacy of drainage network	None	Minor	None	Minor	None	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	None	0.61
			Environmental	Level of exposure to wind																			
			Socioeconomic	-																			
Damage to environment	Loss of biodiversity	SAC/SPA/natural habitats	Physical	Integrity of habitats Available shelter	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	Minor	None	0.33
			Environmental	Level of exposure to wind																			
			Socioeconomic	-																			
Loose debris/material	Debris picked up by wind creating blockages and causing damage to infrastructure and population	LA buildings	Physical	Use of material Built Heritage	Negligible	None	Moderate	Minor	None	None	Negligible	None	Minor	Minor	None	None	None	Minor	Negligible	None	Negligible	None	0.83
			Environmental	Proximity to vegetation Wind tunnels in urban environments																			
			Socioeconomic	-																			
		Bridges	Physical	Use of material Built Heritage	None	None	None	None	Minor	None	Negligible	None	Minor	None	None	None	None	None	None	Moderate	Minor	None	0.56
			Environmental	Proximity to vegetation Wind tunnels in urban environments																			
			Socioeconomic	-																			
		Construction sites	Physical	Use of material Security of materials Potential to compromise scaffolding	Negligible	None	Moderate	Minor	None	None	Negligible	None	None	Minor	None	None	None	None	Moderate	None	None	None	0.67
			Environmental	Proximity to vegetation Wind tunnels in urban environments																			
			Socioeconomic	-																			
		Derelict buildings	Physical	Use of material Built Heritage	None	None	None	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	Minor	None	None	None	0.39
			Environmental	Proximity to vegetation Wind tunnels in urban environments																			
			Socioeconomic	-																			
		Water treatment plants	Physical	Contamination prevention/ mitigation measures	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.22
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Water bodies	Physical	Size of water body Contamination prevention/ mitigation measures	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.39
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
Health and Safety risks	High winds affect safe travel and poses a risk of injury	General public	Physical	-	None	Negligible	Minor	Minor	Moderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.56
			Environmental	Available shelter Wind tunnels in urban environments																			
			Socioeconomic	Human desire to watch the event from an unsafe location Population age Population constitution Homeless																			
		Council staff	Physical	-	None	None	Moderate	None	Moderate	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	None	None	0.56
			Environmental	Available shelter Wind tunnels in urban environments																			
			Socioeconomic	Population age Population constitution																			
		Outdoor workers	Physical	Transport method used	None	None	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			Environmental	Available shelter Wind tunnels in urban environments																			
			Socioeconomic	Population age Population constitution																			

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		Impact Score
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	
Power supply cuts	Damage to powerlines leading to loss of power to urban and regional centres	Commerce	Physical	Presence of overhead lines Backup generator availability	Negligible	None	Moderate	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	Moderate	None	0.44
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		LA buildings	Physical	Presence of overhead lines Backup generator availability	Negligible	None	Moderate	Minor	None	None	Negligible	Negligible	Moderate	Minor	None	Minor	None	Minor	Minor	None	Moderate	None	1.22
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Housing	Physical	Presence of overhead lines Backup generator availability	None	None	None	Minor	Minor	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to vegetation																			
			Socioeconomic	Population age Population constitution																			
		Hospital/Health Centres	Physical	Presence of overhead lines Backup generator availability	Negligible	None	None	Minor	Moderate	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Communication/ servers	Physical	Presence of overhead lines Backup generator availability	Minor	Negligible	Minor	Minor	Major	Minor	Minor	Minor	Minor	Minor	Minor	Moderate	Negligible	Minor	Minor	Moderate	Moderate	Minor	2.17
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Water and wastewater treatment plants	Physical	Presence of overhead lines Backup generator availability Emergency supply storage Overflow from wastewater systems due to power outage	None	None	None	None	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	Moderate	0.33
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
Falling trees/ branches	Wind destroying trees and carrying material leading to a variety of disruption to services	Outdoor workers	Physical	Personal Protective Equipment	None	Negligible	Moderate	Minor	Minor	None	Negligible	None	None	None	Minor	None	None	None	None	None	None	None	0.61
			Environmental	Influenced by time of year Proximity to/ volume of vegetation Available cover																			
			Socioeconomic	Population age Population constitution																			
		Emergency services	Physical	Personal Protective Equipment	None	Negligible	Moderate	Minor	Minor	None	Negligible	None	None	None	Minor	None	None	None	None	None	None	None	0.61
			Environmental	Influenced by time of year Proximity to/ volume of vegetation Available shelter																			
			Socioeconomic	Population age Population constitution																			
		Parks	Physical	Soil properties	None	None	None	Minor	None	Moderate	Negligible	None	None	None	None	None	Minor	None	None	None	Moderate	None	0.61
			Environmental	Influenced by time of year Proximity to/ volume of vegetation																			
			Socioeconomic	-																			
		Transport infrastructure including roads, rail, and pathways	Physical	Use of material Built Heritage	None	None	None	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	Negligible	Moderate	Minor	None	0.67
			Environmental	Influenced by time of year Proximity to/ volume of vegetation																			
			Socioeconomic	Remote working Alternate transport methods Reliance on TII for alerts on National roads																			
		Water and wastewater treatment plants	Physical	Debris management measures	None	None	None	None	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.33
			Environmental	Influenced by time of year Proximity to/ volume of vegetation																			
			Socioeconomic	Extended workload and overtime leading to burnout and availability of monitoring staff																			
Cancellation/ postponing of cultural events	Adverse weather disrupting ability to hold a cultural event	Cultural events	Physical	Available shelter	None	Major	Negligible	Minor	None	None	Negligible	None	None	None	None	None	None	None	None	None	Minor	None	0.56
			Environmental	Level of exposure to wind																			
			Socioeconomic	-																			

Hazard Event:	**Pluvial Flood**
Frequency of Occurrence:	Very Frequent
Description of the Hazard Event: (Including relevant meteorological / climatological conditions and locations affected)	Period of wet weather resulting in saturated soils. Heavy precipitation levels causes surface water flooding. Precipitation levels exceeding historic levels.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		Impact Score
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	
Damage to infrastructure	Flood water affecting built environment. Can lead to closure of facilities	LA buildings	Physical	Use of material Built Heritage Adequacy of drainage network Flooded outfalls Structural loading	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	Negligible	Moderate	None	None	None	None	None	None	0.67
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to vegetation																			
			Socioeconomic	-																			
		Roads & Bridges	Physical	Use of material Built Heritage Adequacy of drainage network Structural loading	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	Moderate	None	None	0.33
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Housing	Physical	Use of material Built Heritage Fixed or manual flood defences Flooded outfalls Structural loading	None	None	None	Negligible	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	0.39
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to vegetation																			
			Socioeconomic	-																			
		Construction sites	Physical	Security of materials Silt netting	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to vegetation																			
			Socioeconomic	-																			
		Commerce	Physical	Storage of stock/ equipment	Negligible	None	Minor	None	None	None	Negligible	None	None	None	None	Minor	None	None	None	None	Minor	None	0.44
			Environmental	Proximity to urban environment																			
			Socioeconomic	-																			
		Drainage networks	Physical	Capacity Build up of silt/leaves	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
		Agricultural land	Physical	Adequacy of drainage network Flooded outfalls	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Environmental	Proximity to urban environment																			
			Socioeconomic	-																			
		Power supply	Physical	Fixed or manual flood defences Flooded outfalls Structural loading Backup generators	Negligible	Negligible	Major	Negligible	Minor	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Moderate	Negligible	Negligible	Negligible	Moderate	Negligible	Moderate	1.61
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
Damage to environment	Loss of biodiversity	SAC/SPA/natural habitats	Physical	Flora sensitivity to saturation Anchorage of flora	None	None	None	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.28
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
Unuseable roads	Roads will become inundated with water and become inaccessable	Road network	Physical	Efficiency of drainage network Flooded outfalls	None	None	Negligible	Negligible	Moderate	None	Negligible	Negligible	None	None	None	None	Negligible	None	None	Moderate	Negligible	None	0.67
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
		Pathways/ cycle lanes	Physical	Drainage network	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Moderate	Negligible	None	0.50
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
		General public	Physical	-	None	None	None	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.22
			Environmental	Road congestion																			
			Socioeconomic	Exposure to warnings/ alerts																			
		Emergency responders	Physical	-	None	None	Minor	None	Major	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			Environmental	Road congestion																			
			Socioeconomic	Reliance on TII for alerts on National roads Extended workload and overtime leading to burnout and availability of monitoring staff																			
Reduced water quality	Vegetation debris or leachate from surface run off entering water systems. Boil water notices issued in some cases	Water bodies	Physical	Sewage overflow inputs into water bodies Water turbidity Combined foul and surface system	None	None	Negligible	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.56
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment Proximity to agricultural land																			
			Socioeconomic	-																			
		Water supply	Physical	-	None	None	Negligible	Negligible	None	None	Negligible	None	None	Negligible	Negligible	None	None	None	None	None	None	Major	0.50
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	Extended workload and overtime leading to burnout and availability of monitoring staff Resoonsibility (Irish Water)																			
Inundated wastewater treatment systems	Private systems located in poor drainage areas and/or flood zones become inundated	Wastewater infrastructure	Physical	Capacity and fullness of septic tanks	None	None	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	None	None	Major	0.44
			Environmental	Water table level Proximity to urban environment																			
			Socioeconomic	-																			

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																	
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Temporary housing	Relocation of homeless and residents of flooded properties	General public	Physical	-	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	Negligible	None	None	None	Minor	None	0.56
			Environmental	Proximity to urban environment																		
			Socioeconomic	Population age Population constitution Housing availability																		
		LA staff	Physical	-	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	None	None	None	None	Negligible	None	0.44
			Environmental	Proximity to urban environment																		
			Socioeconomic	Population age Population constitution Housing availability																		
		Homeless	Physical	-	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to urban environment																		
			Socioeconomic	Population age Population constitution Housing availability																		
Health and Safety risks	Drowning/ presence of submerged hazards leading to injury or death	General public	Physical	-	None	None	Minor	None	Minor	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44
			Environmental	Proximity to urban environment																		
			Socioeconomic	Human desire to watch the event from an unsafe location Population age Population constitution Exposure to warnings/ alerts																		
		LA staff	Physical	-	None	None	Minor	None	Minor	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	Negligible	None	0.50
			Environmental	Proximity to urban environment																		
			Socioeconomic	Population age Population constitution																		
		Homeless	Physical	-	None	None	None	None	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Proximity to urban environment																		
			Socioeconomic	Population age Population constitution																		
Cancellation/ postponing of cultural events	Adverse weather disrupting ability to hold a cultural event	Cultural events	Physical	-	None	Moderate	Negligible	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44
			Environmental	Proximity to urban environment																		
			Socioeconomic	-																		

Hazard Event:	**Heavy Snowfall**
Frequency of Occurrence:	Occasional
Description of the Hazard Event: (Including relevant meteorological / climatological conditions and locations affected)	Red warning: significant falls of snow likely to cause accumulations of 8cm or greater below 250m above mean sea level. Orange warning: significant falls of snow likely to cause accumulations of 3cm or greater below 250m above mean sea level. Yellow warning: scattered snow showers giving accumulations of less than 3cm below 250m above mean sea level.

Hazard Impact	Impact Description:	Vulnerability: Exposure	Vulnerability: Type	Vulnerability: Description	Service Areas: Level of Disruption: Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Damage to infrastructure	Heavy buildup of snow exceeding structural limits	LA Buildings	Physical	Use of material Built Heritage Structural loading Time to thaw	Minor	None	Minor	Minor	None	None	Minor	Negligible	Minor	None	None	None	None	Minor	None	None	Minor	None	0.83
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	-																			
		Housing	Physical	Use of material Built Heritage Structural loading Time to thaw	None	None	None	Minor	Minor	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	0.44
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	-																			
		Bridges	Physical	Use of material Built Heritage Structural loading Time to thaw	None	None	Negligible	None	Negligible	None	Negligible	None	Negligible	None	None	None	None	None	None	Moderate	None	None	0.39
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	-																			
		Power supply	Physical	Presence of overhead lines Time to thaw	Negligible	Negligible	Major	Negligible	Minor	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Moderate	Negligible	Negligible	Negligible	Moderate	Negligible	Moderate	2.28
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	-																			
		Water and wastewater treatment plants	Physical	Use of material Built Heritage Structural loading Back up generator availability Time to thaw	None	None	Minor	None	Minor	None	Negligible	None	None	None	Minor	None	None	None	None	None	Negligible	Major	
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	-																			
		Telemetry	Physical	Structural loading Backup generators Time to thaw	Negligible	Negligible	Major	Negligible	Minor	Negligible	Minor	Negligible	Negligible	None	Minor	Moderate	Negligible	Negligible	Negligible	Moderate	Negligible	Moderate	1.61
			Environmental	Proximity to vegetation																			
			Socioeconomic	-																			
Damage to environment	Erosion due to freeze-thaw action	SAC/SPA/natural habitats	Physical	Cliff stability	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	Negligible	None	None	None	Negligible	None	0.33
			Environmental	Elevation relative to sea level																			
			Socioeconomic	-																			
Disruption to infrastructure/ facilities	Snow buildup disrupting transport networks, building access, amenity access, and water treatment processes	Transport infrastructure	Physical	Time to thaw	None	None	Moderate	Minor	Major	None	Negligible	None	None	None	Negligible	None	Minor	None	None	Moderate	Moderate	None	1.06
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	Snow removing measures High impact for people who reside in isolated locations who are cut off with no access to services																			
		Buildings	Physical	Time to thaw	None	None	Minor	Minor	None	None	Negligible	Negligible	None	None	None	None	Negligible	Minor	None	None	Minor	None	0.61
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	-																			
		Amenities	Physical	Time to thaw	None	None	None	Moderate	None	None	Negligible	None	None	None	Negligible	None	Minor	Moderate	None	None	Minor	None	0.67
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	Snow removing measures																			
		Water and wastewater treatment systems	Physical	Time to thaw	None	None	Negligible	None	Minor	None	Minor	None	None	None	Minor	None	None	None	None	None	Negligible	Major	0.67
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	Snow removing measures																			
		Schools	Physical	Time to thaw	None	None	Minor	Moderate	None	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	0.39
			Environmental	Ground elevation relative to sea level																			
			Socioeconomic	Snow removing measures																			
Health and Safety risks	Heavy snowfall affects safe travel and poses a risk of injury	General public	Physical	-	None	Negligible	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.44
			Environmental	Available cover Proximity to urban environments																			
			Socioeconomic	Population age Population constitution																			
		Council staff	Physical	-	None	None	Moderate	None	Moderate	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	None	None	0.56
			Environmental	Available cover Proximity to urban environments																			
			Socioeconomic	Population age Population constitution Training required to operate vehicles/equipment to aid in emergency events																			
		Outdoor workers	Physical	Transport method used	None	None	Minor	Minor	Moderate	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.44
			Environmental	Available cover Proximity to urban environments																			
			Socioeconomic	Population age Population constitution Training required to operate vehicles/equipment to aid in emergency events																			
Minor flooding issues	Fast thawing of large amounts of snow can lead to excessive amounts of surface run off	Drainage network	Physical	Capacity fo drainage network	None	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	None	Minor	None	None	0.22
			Environmental	-																			
			Socioeconomic	-																			
Reduced air quality	Heavy snow leads to less active travel and the need for more heat in buildings, increasing burning of fossil fuels	Air	Physical	Level of insulation of buildings	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Proximity to urban environment																			
			Socioeconomic	-																			
		People	Physical	-	None	None	None	Negligible	Negligible	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	None	0.22
			Environmental	-																			
			Socioeconomic	Population age Population constitution																			
Frostbite	Exposure to snow can lead to frostbite	People	Physical	-	None	None	Minor	Minor	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	None	None	Minor	None	0.78
			Environmental	Proximity to urban environment Available cover																			
			Socioeconomic	Human desire to watch the event from an unsafe location Population age Population constitution Homeless																			

Hazard Event:	**Heatwave**
Frequency of Occurrence:	Common
Description of the Hazard Event: (Including relevant meteorological / climatological conditions and locations affected)	Record high temperatures with temperatures exceeding 30°C over a number of consecutive days. Urban areas particularly affected.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		Impact Score
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	
Hot and uncomfortable working conditions	High temperatures in homes and office causing discomfort	Outdoor workers	Physical	-	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
			Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ sun screen/ cooling apparatus																			
			Socioeconomic	Population age Population constitution																			
		Indoor workers	Physical	-	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
			Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ cooling apparatus																			
			Socioeconomic	Population age Population constitution																			
Risk of fires	Wildfires or domestic fires are easily started in heatwaves due to the dryness of the environment	People	Physical	Campfires going out of control BBQ's in urban areas gives of stray flame	None	None	None	None	Moderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.28
			Environmental	Proximity to fire Exposure to fire																			
			Socioeconomic	Population age Population constitution																			
		Environment	Physical	-	None	None	None	None	Moderate	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to fire Upland areas and gorse areas typically affected Areas of conservation Biodiversity present																			
			Socioeconomic	-																			
		LA Buildings	Physical	Structural integrity Fire proofing of buildings Built Heritage	Negligible	None	Minor	None	Moderate	None	Negligible	None	Minor	None	None	None	None	Minor	None	None	None	None	0.61
			Environmental	Proximity to fire																			
			Socioeconomic	-																			
		Housing	Physical	Structural integrity Fire proofing of buildings Built Heritage	None	None	None	Minor	Moderate	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.44
			Environmental	Proximity to fire																			
			Socioeconomic	-																			
Heat stroke	High heat can lead to heat stroke if careless	People	Physical	-	None	None	Negligible	Minor	Major	None	Negligible	None	None	None	Moderate	None	Negligible	None	None	None	Minor	Major	1.00
			Environmental	Limited access to green areas/ areas of shade Inadequate access to water and sun screen																			
			Socioeconomic	Population age Population constitution Homeless																			
Agricultural pressure	Issues with provision of water for animals, insufficient water for crops, and reduced grass	Farm animals	Physical	Status of water supply system Number of farm animals present	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Water source location																			
			Socioeconomic	Type of farm animals present																			
		Crops	Physical	Irrigation infrastructure	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	-																			
			Socioeconomic	-																			
Pressure on recreational areas	High temperatures promotes the use of recreational facilities and puts pressure on existing infrastructure and emergency rescue services	Green areas	Physical	Access to recreational areas Capacity	None	None	Negligible	Minor	Moderate	Minor	Negligible	None	None	None	None	None	Moderate	None	None	Minor	Moderate	Moderate	1.11
			Environmental	Proximity to urban environment Water and waste services																			
			Socioeconomic	Resourcing of staff																			
Heat stress on buildings/ infrastructure	High temperatures resulting in structures being warped/ road surfaces being damaged	Roads and Bridges	Physical	Surface dressed roads susceptible to boiling of bitumen Built Heritage	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
			Environmental	Available shade cover Proximity to urban environment																			
			Socioeconomic	-																			
		LA Buildings	Physical	Material properties Built Heritage	None	None	None	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.28
			Environmental	Available shade cover Proximity to urban environment																			
			Socioeconomic	-																			
		Housing	Physical	Material properties Built Heritage	None	None	None	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.28
			Environmental	Available shade cover Proximity to urban environment																			
			Socioeconomic	-																			
		Pavements	Physical	Historical mixes of concrete prone to heaving	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Minor	None	None	0.39
			Environmental	Located within areas of high solar radiation																			
			Socioeconomic	-																			
Damage to monuments	Drying out of soil can destabilise monuments	Built heritage	Physical	Use of material Built heritage	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	None	Negligible	None	0.22
			Environmental	Located within areas of high solar radiation																			
			Socioeconomic	-																			

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Reduced water quality and supply	Water supplies drawing from water with high levels of dissolved material due to evaporation of water sources and water supply plants	Water bodies	Physical	Capacity Concentration of dissolved material	None	None	None	None	None	Moderate	Negligible	None	None	None	Minor	None	Moderate	None	None	None	Moderate	Major	0.89
			Environmental	Presence of shade Located within areas of high solar radiation																			
			Socioeconomic	-																			
		Water supply plants	Physical	Backup water supply	None	None	Moderate	None	Major	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	Major	1.00
			Environmental	Presence of shade Located within areas of high solar radiation																			
			Socioeconomic	-																			
Damaged water treatment plants	Flows to treatment plants experiencing large amounts of organic loading due to evaporation, disrupting the treatment plant	Wastewater treatment plants	Physical	Capacity Concentration of dissolved material Combined foul and surface system	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.28
			Environmental	Proximity to urban environment Water and waste services																			
			Socioeconomic	-																			
Damage to environment	High temperatures can cause vegetation to dry up and die	SAC/SPA/natural habitats	Physical	Vegetation sensitivty to heat	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Environmental	Influenced by time of year Proximity to water bodies																			
			Socioeconomic	-																			

Hazard Event:	**Drought**
Frequency of Occurrence:	Common
Description of the Hazard Event: (including relevant meteorological / climatological conditions and locations affected)	Restrictions on water use. Low rainfall during periods of high temperatures or freezing of water sources/ distribution. There is evidence of a decreasing trend in summer rainfall.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																	
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Hot and uncomfortable working conditions	High temperatures in homes and office causing discomfort	Outdoor workers	Physical	-	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
			Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ sun screen/ cooling apparatus																		
			Socioeconomic	Population age Population constitution																		
		Indoor workers	Physical	-	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
			Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ cooling apparatus																		
			Socioeconomic	Population age Population constitution																		
Pressure on recreational areas	High temperatures promotes the use of recreational facilities and puts pressure on existing infrastructure	Green areas	Physical	Access to recreational areas Capacity	None	None	Negligible	Minor	Minor	Minor	Negligible	None	None	None	None	None	Major	None	None	Minor	Major	Moderate	1.17
			Environmental	Proximity to urban environment Water and waste services																		
			Socioeconomic	-																		
Agricultural pressure	Issues with provision of water for animals, insufficient water for crops, and reduced grass	Farm animals	Physical	Status of water supply system Number of farm animals present	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Water source location																		
			Socioeconomic	Type of farm animals present																		
		Crops	Physical	Irrigation infrastructure	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	-																		
			Socioeconomic	-																		
Risk of fires	Wildfires or domestic fires are easily started in heatwaves due to the dryness of the environment	People	Physical	Campfires going out of control BBQ's in urban areas dives of stray flame	None	None	None	None	Moderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.28
			Environmental	Proximity to fire Exposure to fire																		
			Socioeconomic	Population age Population constitution																		
		Environment	Physical	-	None	None	None	None	Moderate	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to fire Upland areas and gorse areas typically affected Areas of conservation Biodiversity present																		
			Socioeconomic	-																		
		LA Buildings	Physical	Structural integrity Fire proofing of buildings Built Heritage	Negligible	None	Minor	None	Moderate	None	Negligible	None	Minor	None	None	None	None	Minor	None	None	None	None	0.61
			Environmental	Proximity to fire																		
			Socioeconomic	-																		
		Housing	Physical	Structural integrity Fire proofing of buildings Built Heritage	None	None	None	Minor	Moderate	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.44
			Environmental	Proximity to fire																		
			Socioeconomic	-																		
Heat stress on buildings/ infrastructure	High temperatures resulting in structures being warped/ road surfaces being damaged	Transport infrastructure	Physical	Material properties Built Heritage	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
			Environmental	Available shade cover Proximity to urban environment																		
			Socioeconomic	-																		
		Buildings	Physical	Material properties Built Heritage	None	None	None	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.28
			Environmental	Available shade cover Proximity to urban environment																		
			Socioeconomic	-																		
Reduced water quality and supply	Water supplies drawing from water with high levels of dissolved material due to evaporation of water sources and water supply plants	Water bodies	Physical	Capacity Concentration of dissolved material Availability of groundwater	None	None	None	None	None	Moderate	Negligible	None	None	None	Minor	None	Moderate	None	None	None	Moderate	Major	0.89
			Environmental	Presence of shade Located within areas of high solar radiation																		
			Socioeconomic	-																		
		Water supply plants	Physical	Backup water supply Odour issues First flush due to rainfall after drought	None	None	Moderate	None	Major	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	Major	1.00
			Environmental	Presence of shade Located within areas of high solar radiation																		
			Socioeconomic	Resoonsibility (Irish Water)																		
Damaged water treatment plants	Flows to treatment plants experiencing large amounts of organic loading due to evaporation, disrupting the treatment plant	Wastewater treatment plants	Physical	Capacity Concentration of dissolved material Combined foul and surface system First flush due to rainfall after drought	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.28
			Environmental	Proximity to urban environment Water and waste services																		
			Socioeconomic	-																		
Damage to environment	High temperatures can cause vegetation to dry up and die	SAC/SPA/natural habitats	Physical	Vegetation sensitivty to heat Lowered water levels	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Environmental	Influenced by time of year Proximity to water bodies																		
			Socioeconomic	-																		

Hazard Event:	**Above Average Surface Temperature**
Frequency of Occurrence:	Frequent
Description of the Hazard Event: (Including relevant meteorological / climatological conditions and locations affected)	Prolonged periods of higher than average temperatures. Observations indicate an increase in the surface temperature for Ireland of 0.9°C over the last 120 years. Urban areas particularly affected.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		Impact Score
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	
Change in biodiversity	Changes in surface temperatures leads to a promotion in growth of invasive species to the detriment to native species	Invasive species	Physical Environmental Socioeconomic	Growing conditions required of the invasive flora Influenced by time of year Invasive Alien Plant Species protocols in place to reduce the spread of invasive species	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
		Native species	Physical Environmental Socioeconomic	Growing conditions required of the native flora Influenced by time of year -	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
Change in phenology	Changes in surface temperatures leads to a disruption to the phenology cycle, affecting pollinators and seasonal interactions	Pollinators	Physical Environmental Socioeconomic	Sensitivity of pollinaters to changes in temperatures -	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
Hot and uncomfortable working conditions	High temperatures in homes and office causing discomfort	Dwellings	Physical Environmental Socioeconomic	Inadequate cooling mechanisms Proximity to high density urban areas -	None	None	None	Minor	None	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	Minor	0.39
		Outdoor workers	Physical Environmental Socioeconomic	- Limited access to green areas/ areas of shade Inadequate access to water/ sun screen/ cooling apparatus Population age Population constitution	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
		Indoor workers	Physical Environmental Socioeconomic	- Limited access to green areas/ areas of shade Inadequate access to water/ cooling apparatus Population age Population constitution	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
Risk of fires	Wildfires or domestic fires are easily started in heatwaves due to the dryness of the environment	People	Physical Environmental Socioeconomic	Campfires going out of control BBQ's in urban areas gives of stray flame Proximity to fire Exposure to fire Population age Population constitution	None	None	None	None	Moderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.28
		Environment	Physical Environmental Socioeconomic	- Proximity to fire Upland areas and gorse areas typically affected Areas of conservation Biodiversity present -	None	None	None	None	Moderate	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
		LA Buildings	Physical Environmental Socioeconomic	Structural integrity Fire proofing of buildings Built Heritage Proximity to fire -	Negligible	None	Minor	None	Moderate	None	Negligible	None	Minor	None	None	None	None	Minor	None	None	None	None	0.61
		Housing	Physical Environmental Socioeconomic	Structural integrity Fire proofing of buildings Built Heritage Proximity to fire -	None	None	None	Minor	Moderate	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.44
Agricultural pressure	Issues with provision of water for animals, insufficient water for crops, and reduced grass	Farm animals	Physical Environmental Socioeconomic	Status of water supply system Number of farm animals present Water source location Type of farm animals present	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
		Crops	Physical Environmental Socioeconomic	Irrigation infrastructure - -	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
Pressure on recreational areas	High temperatures promotes the use of recreational facilities and puts pressure on existing infrastructure	Green areas	Physical Environmental Socioeconomic	Access to recreational areas Capacity Proximity to urban environment Water and waste services -	None	None	Negligible	Minor	Minor	Minor	Negligible	None	None	None	None	None	Moderate	None	None	Minor	Moderate	Moderate	1.06
Heat stress on buildings/ infrastructure	High temperatures resulting in structures being warped/ road surfaces being damaged	Transport infrastructure	Physical Environmental Socioeconomic	Material properties Built Heritage Available shade cover Proximity to urban environment -	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
		Buildings	Physical Environmental Socioeconomic	Material properties Built Heritage Available shade cover Proximity to urban environment -	None	None	None	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.28
Reduced water quality and supply	Water supplies drawing from water with high levels of dissolved material due to evaporation of water sources and water supply plants	Water bodies	Physical Environmental Socioeconomic	Capacity Concentration of dissolved material Presence of shade Located within areas of high solar radiation -	None	None	None	None	None	Moderate	Negligible	None	None	None	Minor	None	Moderate	None	None	None	Moderate	Moderate	0.83
		Water supply plants	Physical Environmental Socioeconomic	Backup water supply Presence of shade Located within areas of high solar radiation Resoonsibility (Irish Water)	None	None	Moderate	None	None	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	Moderate	0.72
Damaged water treatment plants	Flows to treatment plants experiencing large amounts of organic loading due to evaporation, disrupting the treatment plant	Wastewater treatment plants	Physical Environmental Socioeconomic	Capacity Concentration of dissolved material Combined foul and surface system Proximity to urban environment Water and waste services -	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.22
Damage to environment	High temperatures can cause vegetation to dry up and die	SAC/SPA/natural habitats	Physical Environmental Socioeconomic	Vegetation sensitivity to heat Influenced by time of year Proximity to water bodies -	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22

Hazard Event:	**Above Average Precipitation**
Frequency of Occurrence:	Frequent
Description of the Hazard Event: (Including relevant meteorological / climatological conditions and locations affected)	Prolonged periods of rainfall. Change in pattern of typical rainfall periods.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Reduced water quality	Vegetation debris or leachates from surface run off entering water systems	Water bodies	Physical	Sewage overflow inputs into water bodies Gradient of ground Water turbidity Capacity	None	None	None	Minor	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.44
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
		Water supply distribution	Physical	-	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.33
			Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	Extended workload and overtime leading to burnout and availability of monitoring staff Responsibility (Irish Water)																			
Land erosion	Rainfall causing ground saturation, weakening ground strength	Land/cliffsides	Physical	Soil properties	None	None	None	None	Moderate	Moderate	Negligible	None	None	None	None	None	None	None	Negligible	None	None	None	0.44
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
More time spent indoors	Increased rainfall dissuading people to be outdoors	Mental health	Physical	-	None	None	Minor	Moderate	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	None	0.50
			Environmental	Proximity to facilities																			
			Socioeconomic	Population age Population constitution Home dynamics - living alone or with family																			
		Commerce	Physical	-	None	None	Moderate	None	None	None	Negligible	None	None	None	None	Minor	Moderate	None	None	None	Moderate	None	0.67
			Environmental	Ground elevation and gradient relative to surrounding area Proximity to urban environment																			
			Socioeconomic	-																			
Erosion of structures	Chemical reaction dissolving structures/ scour	LA buildings	Physical	Use of material Built Heritage	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	None	None	None	0.17
			Environmental	-																			
			Socioeconomic	-																			
		Road network	Physical	Use of material Built Heritage	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Negligible	None	None	0.11
			Environmental	-																			
			Socioeconomic	-																			
		Housing	Physical	Use of material Built Heritage	None	None	None	None	None	None	Negligible	None	None	Negligible	None	None	None	None	None	None	None	None	0.11
			Environmental	-																			
			Socioeconomic	-																			

Hazard Event:	**Cold Spell**
Frequency of Occurrence:	Common
Description of the Hazard Event: (Including relevant meteorological / climatological conditions and locations affected)	Record low temperatures with temperatures between 0 and -10 degrees C throughout Winter.

Hazard Impact	Impact Description:	Exposure	Vulnerability		Service Areas: Level of Disruption																		Impact Score
			Type	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing	Human Resources	Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	
Cold and uncomfortable working conditions	Low temperatures in homes and office causing discomfort	Outdoor workers	Physical	-	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
			Environmental	Limited access to heating apparatus/ shelter																			
			Socioeconomic	Population age Population constitution																			
		Indoor workers	Physical	-	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
			Environmental	Limited access to heating apparatus																			
			Socioeconomic	Population age Population constitution																			
Frostbite	Low temperatures can lead to frostbite if careless	People	Physical	-	None	None	Negligible	Minor	Major	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Major	0.83
			Environmental	Proximity to urban environment																			
			Socioeconomic	Population age Population constitution Homeless																			
Cold stress on buildings/ infrastructure	Low temperatures resulting in structures being warped/ road surfaces being damaged	Tranpsort infrastructure	Physical	Material properties Built Heritage Changes in rates of deterioration - faster rate of deterioration in areas subject to sustained low temperatures	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
			Environmental	Proximity to urban environment																			
			Socioeconomic	-																			
		LA Buildings	Physical	Material properties Built Heritage	None	None	Minor	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to urban environment																			
			Socioeconomic	-																			
		Housing	Physical	Material properties Built Heritage	None	None	None	None	Minor	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.39
			Environmental	Proximity to urban environment																			
			Socioeconomic	Requirement for additional heat and additional insulation of housing stock																			
Reduced water quality and supply	Frozen water restrict extraction and distribution of water	Water bodies	Physical	Depth of water	None	None	None	None	None	Major	Negligible	None	None	None	Minor	None	Moderate	None	None	None	Moderate	Major	0.94
			Environmental	Elevation in relation to sea level																			
			Socioeconomic	-																			
		Water supply infrastructure	Physical	Backup water supply Air volume in pipes	None	None	Moderate	None	Major	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	Major	1.00
			Environmental	Elevation in relation to sea level																			
			Socioeconomic	-																			
Damaged water supply and treatment plants	Frozen water damaging treatment systems	Water and wastewater treatment plants	Physical	Air volume in pipes Combined foul and surface system	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.28
			Environmental	Elevation in relation to sea level																			
			Socioeconomic	-																			
Change in phenology	Changes in surface temperatures leads to a disruption to the phenology cycle	River habitats	Physical	Low temperatures bring about changes in species distribution and phenology of river systems	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Environmental																				
			Socioeconomic	-																			
More time spent indoors	Cold temperatures dissuades people from going outdoors	Mental health	Physical	-	None	None	Minor	Moderate	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	None	0.50
			Environmental	Proximity to facilities																			
			Socioeconomic	Population age Population constitution Home dynamics - living alone or with family																			
Reduced air quality	Low temperatures lead to less active travel and the need for more heat in buildings, increasing burning of fossil fuels	Air	Physical	Level of insulation of buildings	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Environmental	Proximity to urban environment																			
			Socioeconomic	-																			
		People	Physical	-	None	None	None	Negligible	Negligible	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	None	0.22
			Environmental	-																			
			Socioeconomic	Population age Population constitution Homeless																			
Damage to environment	Low temperatures can cause vegetation to freeze and die	SAC/SPA/natural habitats	Physical	Vegetation sensitivty to cold	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Environmental	Prolonged road salting affecting salinity of surrounding ground Influenced by time of year																			
			Socioeconomic	-																			
		Agricultural land	Physical	-	None	None	Negligible	Minor	Minor	Minor	Negligible	None	None	None	None	None	Major	None	None	Minor	Major	Moderate	1.17
			Environmental	Prolonged road salting affecting salinity of surrounding ground Influenced by time of year																			
			Socioeconomic	-																			