

Hazard Event:
River Flood
Frequency of Occurrence:

Cescriptions of the Mazard Event:
(including relevant meteorological/climatological conditions and locations
(including relevant meteorological/climatological conditions and locations)
Rivers exceeding the capacity of their river banks. Bursting of river banks. Riverside infrastructure particularly affected.

										<u> </u>			Service Areas: L	aval of Diese	intion								
	Impact			Vulnerability			Rusiness						Built Haritage	evel of Disru				Libraries					
Hazard Impact	Impact Description:	Exposure	Type	Description	Archives	Arts and Culture	and	Community	Emergency	Environment	Finance	Governance and Administration	and	Housing	Human	Information	Leisure and	and	Planning and Building	Roads and	Tourism	Water Services	Impact Score
			**			Culture	Economy		Services			Administration	Conservation	-	Resources	rechnology	Recreation	Museums	and Building	Transport		Services	Score
				Use of material Built Heritage																			
			Physical	Fixed or manual flood defences																			
		LA buildings		Flooded outfalls	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	Negligible	Minor	None	None	None	None	None	None	0.61
		LA buildings		Structural loading Impermeability of surface	moderate	140110	recgiigibic	None	Teoric	140110	minor	Teoric	- Innie	140110	recgiigibic	THE TOT	HOILE	Teoric	reone	INOTIC	140110	recirc	0.01
			Environmental	Ground elevation and gradient relative to surrounding area																			
			0	Proximity to rivers																			
			Socioeconomic	Use of material																			
			Physical	Built Heritage	None	Ness	None	None		None	Mandalata	None	Minor	Ness	None		None	None	None	Madana	None	None	
		Roads & Bridges	Environmental	Structural loading Proximity to rivers	None	None	None	None	None	None	Negligible	None	Millor	None	None	None	None	None	None	Moderate	None	None	0.33
			Socioeconomic																				
		Railway	Physical		None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
		Railway	Environmental Socioeconomic	Proximity to rivers	None	None	None	IVOITE	None	Ivorie	rvegligible	Ivolle	None	None	None	None	None	INOTIC	None	moderate	None	None	0.22
			COLICEONOMIC	Use of material																			
				Built Heritage																			
			Physical	Fixed or manual flood defences Flooded outfalls																			
		Housing		Structural loading	None	None	None	Negligible	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	0.39
			Factorinated	Impermeability of surface																			
	Flood water		Environmental	Ground elevation and gradient relative to surrounding area Proximity to rivers																			
Damage to	affecting built environment Can		Socioeconomic	-																			
infrastructure	lead to closure of		Physical	Security of materials Silt netting																			
	facilities	Construction sites		Impermeability of surface	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
		CONSTRUCTION SILES	Environmental	Ground elevation and gradient relative to surrounding area	reone	140110	in in its	Teoric	Teoric	140110	recgiigibic	Teoric	None	140110	TAGITO	140IIC	Hone	Teoric	reone	INOTIC	140110	recirc	0.11
			Socioeconomic	Proximity to rivers																			
			Physical	Storage of stock/ equipment																			
		Commerce	Environmental	Proximity to rivers	Negligible	None	Minor	None	None	None	Negligible	None	None	None	None	Minor	None	None	None	None	Minor	None	0.44
			Socioeconomic	Efficiency of drainage network																			
		Agricultural land	Physical	Flooded outfalls	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
		-	Environmental Socioeconomic	Proximity to rivers																			
			Physical	Capacity																			
		Drainage networks	Environmental	Build up of silt	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
			Socioeconomic																				
			Physical	Adequacy pf drainage network	None	None	None	None	None	None	Mandalata	None	None	None	None	None	None	None	Moderate	None	None	None	
		Land use suitability	Environmental Socioeconomic	Proximity to rivers	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	Moderate	None	None	None	0.22
			COCIOCCONONIO	Fixed or manual flood defences																		- 1	
			Physical	Flooded outfalls																		1	4
		Power supply		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																		1	4
			Socioeconomic	Proximity to rivers																		1	4
			Physical	Flora sensitivity to saturation																			
Damage to	Loss of biodiversity	SAC/SPA/natural	- nyaltai	Anchorage of flora	None	None	None	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.28
environment	or broatvorbity	habitats	Environmental	Ground elevation and gradient relative to surrounding area Proximity to rivers																			0.20
			Socioeconomic																				
Damage to	Damage to amenities on		Physical	Ground elevation and gradient relative to surrounding area																		4	
riverside	riverbanks, leading	Walkways and trails	Environmental	Proximity to rivers	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	None	Minor	None	0.39
amenities	to closure for public safety		Socioeconomic	-																		4	
	Juliciy		Photological	Efficiency of drainage network																			
			Physical	Flooded outfalls																			
		Road network	Environmental	Impermeability of surface Ground elevation and gradient relative to surrounding area	None	None	Negligible	Negligible	Moderate	None	Negligible	Negligible	None	None	None	None	Negligible	None	None	Moderate	Negligible	None	0.67
				Proximity to rivers																			
			Socioeconomic Physical	- Drainage network																			
	Roads will become	Pathways/ cycle	riivalCal	Impermeability of surface																			
Unuseable	inundated with	lanes	Environmental	Ground elevation and gradient relative to surrounding area	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Moderate	Negligible	None	0.50
roads	water and become inaccessable		Socioeconomic	Proximity to rivers																			
	-		Physical																			T	
		General public	Environmental Socioeconomic	Road congestion Exposure to warnings/ alerts	None	None	None	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.22
			Physical Physical	- LAUGUIE TO WAITINGS AIGHS																			
		Emergency	Environmental	Road congestion	None	None	Minor	None	Major	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
		responders	Socioeconomic	Reliance on TII for alerts on National roads  Extended workload and overtime leading to burnout and availability of monitoring staff																			
				Exercises worked and sections reading to bullout and availability of monitoring stall								1					1			1		1	



				Vulnerability									Service Areas: L	evel of Disn	uption								
Hazard Impact	Impact Description:	Exposure	Туре	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing		Information Technology		Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Reduced water	Foreign substances entering water systems. Boil water	Water bodies	Physical  Environmental  Socioeconomic	Sewage overflow inputs into water bodies Water turbidity Combined but and suffice existen Impermeability of surface Oriound elevation and gradent relative to surrounding area Processify to rives	None	None	Negligible	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.56
quality	notices issued in some cases	Water supply distribution	Physical Environmental Socioeconomic	Back to operator availability Impremability of surface Ground elevation and gradent relative to surrounding area Proximity to rives Extended workload and overtime leading to burnout and availability of monitoring staff Responsibility rivin Water)	None	None	Negligible	Negligible	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	Major	0.56
Inundated wastewater treatment systems	Private systems located in poor drainage areas and/or flood zones become inundated	Wastewater infrastructure	Physical Environmental Socioeconomic	Casach and fulness of sectic tanks Water table level Proximity to rivers	None	None	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	None	None	Major	0.44
		General public	Physical Environmental Socioeconomic	Proximity to rivers Propulation age Population constitution Housing availability	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	Negligible	None	None	None	Minor	None	0.56
Temporary housing	Relocation of homeless and residents of flooded properties	LA staff	Physical Environmental Socioeconomic	Proximity to rivers Propulation age Population constitution Housing availability	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	None	None	None	None	Negligible	None	0.44
	-	Homeless	Physical Environmental Socioeconomic	Proximity to rives Propulation age Population constitution Housing availability	None	None	None	None	None	None	Negligible	Negligible	None	Moderate	Minor	None	None	None	None	None	None	None	0.39
	Drowning/ presence	General public	Physical Environmental Socioeconomic	Proximit to rivers Human desire to watch the event from an unsafe location Population age Population constitution Excosure to warminosi alerts	None	None	Minor	None	Minor	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44
Health and Safety risks	of submerged hazards leading to injury or death	LA staff	Physical Environmental Socioeconomic	- Proximity to rivers Population age Population constitution	None	None	Minor	None	Minor	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	Negligible	None	0.50
		Homeless	Physical Environmental Socioeconomic	Proximity to rivers Population age Population constitution	None	None	None	None	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
	Adverse weather disrupting ability to hold a cultural event	Cultural events	Physical Environmental Socioeconomic	- Proximity to rivers	None	Moderate	Negligible	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44



Hazard Event: Extreme Precipitation

Very Frequent

An unusually large volume of rainfall in a short period of time.

Read Warning 70mm or greater in 24 hours.

Orange Warning 50-70mm in 24 hours.

Very House, 124 hours.

				Vulnerability									Service Areas: L	evel of Disr	uption								
Hazard Impact	t Impact Description:	Exposure	****	Description	Archives	Arts and	Business	Community	Emergency		F1	Governance and Administration	Built Heritage and		Human	Information	Leisure and	Libraries and	Planning	Roads and	Tourism	Water	Impact
	Description:		Туре	Description	Archives	Culture	Economy	Community	Services	Environment	Finance	Administration	Conservation	Housing	Resources	Technology	Recreation	and Museums	and Building	Transport	Iourism	Services	Impact Score
		LA buildings	Physical Environmental	Use of material Built Heritage Fixed or manual flood defences Fixed or manual flood defences Fixedor manual flood Structural loading Impermeability of surface Ground elevation and gradent relative to surrounding area Proximity to unknown environment	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	Negligible	Moderate	None	None	None	None	None	None	0.67
	-	Roads & Bridges	Socioeconomic  Physical  Environmental	.— Use of material Built Heritage Adequacy of drainage systems Faster rate of deterioration in roads due to prolonged exposure of road surfaces to flooding	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	Moderate	None	None	0.33
		Housing	Socioeconomic  Physical  Environmental	Use of material Built Heritage Pited or manual flood defences Pited or manual flood defences Structural loading Structural loading Impermeability of surface Ground elevation and gradent relative to surrounding area Prodmith to uthan environment	None	None	None	Negligible	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	0.39
Flooding	Excessive rainfall resulting in flooding, causing damage. Can lead to closure of facilities	Construction sites	Socioeconomic  Physical  Environmental  Socioeconomic	- Security of materials Silit retilino Impermeability of surface Ground elevation and gradient relative to surrounding area Proteintly to User environment	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
		Commerce	Physical Environmental Socioeconomic	Storage of stock/ equipment Proximity to urban environment	Negligible	None	Minor	None	None	None	Negligible	None	None	None	None	Minor	None	None	None	None	Minor	None	0.44
		Drainage networks	Physical Environmental	Capacity Build us of sitt	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
		SAC/SPA/natural habitats	Socioeconomic Physical Environmental Socioeconomic	Flora sensitivity to saturation Anchorage of flora Cround elevation and gradient relative to surrounding area Proximity to urban environment	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.33
		Agricultural land	Physical Environmental Socioeconomic	Efficiency of drainage network Flooded outfalls Proximity to urban environment	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
		Land use suitability	Physical Environmental Socioeconomic	Adequacy of drainage network Proximity to urban environment -	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	Moderate	None	None	None	0.22
		Amenities	Physical Environmental Socioeconomic	Equipment security Adequacy of drainage network Proximity to urban environment	None	Minor	None	Minor	None	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	None	0.61
		Road network	Physical  Environmental  Socioeconomic	Efficiency of drainage network Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment	None	None	None	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	Negligible	Moderate	Negligible	None	0.61
Unuseable roads	Roads will become inundated with water and become	Pathways/ cycle lanes	Physical Environmental	- Impermeability of surface Ground devaition and graded relative to surrounding area Proximity to unban environment	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Moderate	Minor	None	0.56
	inaccessable	General public	Socioeconomic Physical Environmental Socioeconomic		None	Negligible	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.61
		Emergency responders	Physical Environmental Socioeconomic	Road concestion     Relaince on Till for alerts on National roads     Extended workload and overtime leading to burnout and availability of monitoring staff	None	None	Moderate	Minor	Moderate	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.50
Reduced water	Washed out nutrients/chemicals from surface run off entering water	Water bodies	Physical Environmental	Sewago overflow inputs into water bodies Gradient of ground Water tubotily Casaleth Ground elevation and gradient relative to surrounding area Froderify to the mentroment Froderify to the mentroment	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.44
quality	entering water bodies. Boil water notices issued in some cases	Water supply distribution	Socioeconomic Physical Environmental Socioeconomic	Increase in peak fose  Back up cements ovaliability  Impermeability of surface  Ground elevation and gradient relative to surrounding strea  Proximity to urban environment  Proximity to urban environment  Responsibility (Infility Marian  Responsibility (Infility Marian  Responsibility (Infility Marian)	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.39
Inundated wastewater treatment systems	Private systems located in poor drainage areas and/or flood zones	Wastewater infrastructure	Physical Environmental Socioeconomic	Casacity and full research and Casacity and full research	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.39
	become inundated															1							1



				Vulnerability									Service Areas: L	Level of Disr	uption								
Hazard Impact	Impact Description:	Exposure	Туре	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		Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
	Heavy rain affects	General public	Physical  Environmental  Socioeconomic  Physical	Available cover Proximity to urban environments Adequated of deniance systems Provision constitution	None	Negligible	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.50
Health and Safety risks	safe travel and poses a risk of injury from uncertain footing	Council staff	Environmental Socioeconomic	Available cover Proximity to urban environments Adequacy of drainage systems Population age Population constitution	None	None	Moderate	None	Moderate	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	None	None	0.56
		Outdoor workers	Physical Environmental Socioeconomic	Transcot method used Available cover Proximity to urban environments Adequacy of drainage systems Population age Population options Population opt	None	None	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
Land erosion	Rainfall causing ground saturation, weakening ground strength	Saturated cliffs	Physical Environmental Socioeconomic	Poblamical consumer  Soll properties  Soll properties  Fround to develop and gradient relative to surrounding area  Proximity to uban environment	None	None	None	Minor	None	Moderate	Negligible	None	None	None	None	None	None	None	Negligible	None	None	None	0.39
		LA buildings	Physical Environmental Socioeconomic	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
Erosion of structures	Chemical reaction dissolving structures/ scour	Road network	Physical Environmental Socioeconomic	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
		Housing	Physical Environmental Socioeconomic	Use of material Built Heritage	None	None	None	None	None	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.17
	Adverse weather disrupting ability to hold a cultural event	Cultural events	Physical Environmental Socioeconomic	Available cover Proximity to urban areas	None	Moderate	Negligible	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.44



Hazard Event:

Severe Windstorm

Frequency of Occurrence:

Very frequent

Description of the Hazard Event: (Including relevant meteorological f climatological conditions and locations are locations and locations and locations and locations are locations and locations and locations and locations are locations are locations and locations and locations are locations and locations are locations are locations are locations and locations are locations are locations and locations are locations

				Vulnerability									Service Areas: L	evel of Disr	uption								
Hazard Impact	Impact Description:	Exposure	Туре	Description	Archives	Arts and Culture	Business and	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and	Housing		Information Technology	Leisure and Recreation	Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
		LA buildings	Physical Environmental	Use of material Built Perings Structural loading Building hejotis Proximity to vegetation Wind turnets in urban environments	Negligible	None	Moderate	Minor	None	None	Minor	None	Moderate	Minor	Negligible	None	None	Minor	Negligible	None	Negligible	None	1.00
		Bridges	Socioeconomic  Physical  Environmental	- 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
Damage to infrastructure	Wind causing damage to infrastructure. Can lead to closure of	Housing	Socioeconomic  Physical  Environmental	Use of instruial Use of instrui	None	None	None	Minor	Minor	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	0.44
	facilities	Commerce	Socioeconomic Physical Environmental Socioeconomic	Proximity to vegetation Wind tunnels in urban environments Nature of business sales	Negligible	None	Moderate	None	None	None	Negligible	Negligible	None	None	None	Negligible	None	Negligible	None	None	Moderate	None	0.61
		Telemetry	Physical Environmental Socioeconomic	Proximity to vecetation	None	None	Moderate	Moderate	Moderate	None	Negligible	Negligible	None	None	Negligible	Moderate	Minor	Negligible	None	Minor	Minor	Minor	1.33
		Water abstraction and wastewater infrastructure	Physical Environmental Socioeconomic	Integrity of treatment plant infrastructure Proximity to vecetation	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.22
		Amenities	Physical  Environmental Socioeconomic	Equipment socurity Available helited Adequacy of drainage network Levent of exposure to wind	None	Minor	None	Minor	None	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	None	0.61
Damage to environment	Loss of biodiversity	SAC/SPA/natural habitats	Physical Environmental	Integrity of habitats Available shelter Level of exosour to wind	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	Minor	None	0.33
			Socioeconomic Physical	- Use of material Built Heritage										Minor									
		LA buildings	Environmental Socioeconomic	Proxinity to vegetation Wind tunnels in urban environments -	Negligible	None	Moderate	Minor	None	None	Negligible	None	Minor	Minor	None	None	None	Minor	Negligible	None	Negligible	None	0.83
		Bridges	Physical  Environmental  Socioeconomic	Use of material Buttleffing and Particular State of the Control of	None	None	None	None	Minor	None	Negligible	None	Minor	None	None	None	None	None	None	Moderate	Minor	None	0.56
Loose debris/material		Construction sites	Physical Environmental	Use of material Security of materials Ploetinal to commonwise scaffolding Proximity to vegetation Wind turnels in into an environments	Negligible	None	Moderate	Minor	None	None	Negligible	None	None	Minor	None	None	None	None	Moderate	None	None	None	0.67
	infrastructure and population	Derelict buildings	Socioeconomic  Physical  Environmental	- Use of material Built Heritage Proximity to vegetation Wind sunnels in urban environments	None	None	None	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	Minor	None	None	None	0.39
		Water treatment plants	Socioeconomic Physical Environmental	Contamination prevention/ mitigation measures Proximity to vegetation	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.22
		Water bodies	Socioeconomic  Physical  Environmental  Socioeconomic	Size of water body Contamination prevention/ mitigation measures Proximity to vecetation	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.39
		General public	Physical Environmental	Available shelter Wind turnels in urban environments Human desire to watch the event from an unsafe location Population are	None	Negligible	Minor	Minor	Moderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.56
Health and	High winds affect safe travel and		Socioeconomic Physical	Population constitution Homeless																			
Safety risks	poses a risk of injury	Council staff	Environmental Socioeconomic	Available shelter Wind turnels in urban environments Population age Population constitution	None	None	Moderate	None	Moderate	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	None	None	0.56
		Outdoor workers	Physical Environmental Socioeconomic	Transoort method used Available shelin urban environments Wind turnels in urban environments Population age	None	None	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
			1	Population constitution																			



			1	Vulnerability									Service Areas: L	evel of Disr	untion								
Hazard Impact	Impact Description:	Exposure	Туре	Vunerability  Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage	Housing	Human	Information Technology		Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
		Commerce	Physical Environmental Socioeconomic	Presence of overhead lines Backup generator availability Proximit to becelation	Negligible	None	Moderate	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	Moderate	None	0.44
		LA buildings	Physical Environmental Socioeconomic	Presence of overhead lines Basknup generator availability Proximity to veseisation	Negligible	None	Moderate	Minor	None	None	Negligible	Negligible	Moderate	Minor	None	Minor	None	Minor	Minor	None	Moderate	None	1.22
S	Damage to powerlines leading	Housing	Physical Environmental Socioeconomic	Presence of overhead lines Backup cenerator availability Proximit to vesetation Propulation age Population operation	None	None	None	Minor	Minor	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.39
Power supply cuts	to loss of power to urban and regional centres	Hospital/Health Centres	Physical Environmental Socioeconomic	Presence of overhead lines Backup cenerator availability Proximity to vecetation	Negligible	None	None	Minor	Moderate	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
		Communication/ servers	Physical Environmental Socioeconomic	Presence of overhead lines Backup one-proto availability Proximity to vegetation	Minor	Negligible	Minor	Minor	Major	Minor	Minor	Minor	Minor	Minor	Minor	Moderate	Negligible	Minor	Minor	Moderate	Moderate	Minor	2.17
		Water and wastewater treatment plants	Physical	Presence of overhead lines Backup generator availability Emergency supply storage Overflow from wastewater systems due to cower outace Proximity to vegetation	None	None	None	None	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.33
		Outdoor workers	Socioeconomic Physical Environmental Socioeconomic	Personal Protective Eoulument Influenced by time of year Poximity to vidume of vegetation Available cover Population age Population age	None	Negligible	Moderate	Minor	Minor	None	Negligible	None	None	None	Minor	None	None	None	None	None	None	None	0.61
	Wind destroying	Emergency services	Physical Environmental Socioeconomic	Poodation constitution Personal Protective Equipment Influenced by time of year Protumpt for Venume of vegetation Available shalter Production on constitution Production on constitution	None	Negligible	Moderate	Minor	Minor	None	Negligible	None	None	None	Minor	None	None	None	None	None	None	None	0.61
Falling trees/ branches	trees and carrying material leading to a variety of disruption to services	Parks	Physical Environmental	Solutions distinction Solic prometries Influenced by lime of year Proximity to volume of vegetation	None	None	None	Minor	None	Moderate	Negligible	None	None	None	None	None	Minor	None	None	None	Moderate	None	0.61
		Transport infrastructure including roads, rail, and pathways	Socioeconomic Physical Environmental Socioeconomic	Use of material Built Heritage Influenced by time of year Influenced by time of year Proximity to valuative of vegetation Retricte sorting Retricte sorting Retricte sorting Retricte sorting Retricte sorting Retricte sorting	None	None	None	Minor	Minor	None	Negligible	None	None	None	None	None	Negligible	None	Negligible	Moderate	Minor	None	0.67
		Water and wastewater treatment plants	Physical Environmental Socioeconomic	Reliance on TI I/O and a for National Death Debtin management resource Debtin management resource Debtin management resource Proximity tol volume of venetation Extended workload and overtime leading to burnout and availability of monitoring staff	None	None	None	None	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.33
	Adverse weather disrupting ability to hold a cultural event	Cultural events	Physical Environmental Socioeconomic	Available shetter Leval of exposure to wind	None	Major	Negligible	Minor	None	None	Negligible	None	None	None	None	None	None	None	None	None	Minor	None	0.56



													Service Areas: L	evel of Dies	untion								
Hazard Impact	Impact Description:	Exposure		Vulnerability			Business						Built Heritage	ever or bisi				Libraries					
mazara impact	Description:	Exposure	Туре	Description	Archives	Arts and Culture	and	Community	Services	Environment	Finance	Governance and Administration	and	Housing	Resources	Technology	Leisure and Recreation	and	Planning and Building	Transport	Tourism	Water Services	Impact Score
		LA buildings	Physical  Environmental	Use of material Built Heritage Adequacy of drainage network Flooded cuttail Structural loading Impermeability of surface Ground deveation and gradent relative to surrounding area Proximity to Severalization.	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	Negligible	Moderate	None	None	None	None	None	None	0.67
		Roads & Bridges	Physical  Environmental Socioeconomic	- Use of material Butt Hertage Adequacy of Adequacy Adequacy Adequacy Adequacy Adequacy Adequacy Adequacy Adequa	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	Moderate	None	None	0.33
Damage to	Flood water affecting built environment. Can	Housing	Physical  Environmental  Socioeconomic	Use of material Built Hertage Fixed or manual flood defences Fixed or manual flood defences Fixeded outsiles Structural loading Impermeability of surface Cround deviation and gradent relative to surrounding area Proximity to vegeting.	None	None	None	Negligible	None	None	Minor	None	None	Moderate	Negligible	None	None	None	None	None	None	None	0.39
infrastructure	lead to closure of facilities	Construction sites	Physical  Environmental  Socioeconomic	Security of materials Siti netting Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to vegetation	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
		Commerce	Physical Environmental Socioeconomic	Storage of stock/ equipment Proximity to urban environment	Negligible	None	Minor	None	None	None	Negligible	None	None	None	None	Minor	None	None	None	None	Minor	None	0.44
		Drainage networks	Physical Environmental	Capacity Build up of silt/leaves Proximity to vecetation	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
		Agricultural land	Socioeconomic  Physical  Environmental	- Adequacy of drainage network Flooded outfalls  Proximity to urban environment	None	None	Minor	None	None	Negligible	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
		Power supply	Socioeconomic  Physical  Environmental	Fixed or manual fixed defences Fixeder duralist Structural loading Backus ceneratios Ground develation and gradient relative to surrounding area Proximits to use menicoment	Negligible	Negligible	Major	Negligible	Minor	Negligible	Negligible	Negligible	Negligible	Negligible	Minor	Moderate	Negligible	Negligible	Negligible	Moderate	Negligible	Moderate	1.61
Damage to environment	Loss of biodiversity	SAC/SPA/natural habitats	Socioeconomic  Physical  Environmental  Socioeconomic	Fora sensitivity to saturation Anchorace of fora Ground elevation and gradient relative to surrounding area Proximity to urban environment	None	None	None	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.28
		Road network	Physical Environmental	Efficiency of drainage network Flooded untillal Impermeability of surface Ground deviation and gradient relative to surrounding area Proximity to utenal environment	None	None	Negligible	Negligible	Moderate	None	Negligible	Negligible	None	None	None	None	Negligible	None	None	Moderate	Negligible	None	0.67
Unuseable roads	Roads will become inundated with water and become inaccessable	Pathways/ cycle lanes	Socioeconomic Physical Environmental Socioeconomic	Darinace network Impermeability of surface Ground elevation and gradient relative to surrounding area Proximity to urban environment	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Moderate	Negligible	None	0.50
		General public	Physical Environmental Socioeconomic	Road concestion Exposure to warninos/ sierts	None	None	None	None	None	None	Negligible	None	None	None	None	None	Negligible	None	None	None	Minor	None	0.22
		Emergency responders	Physical Environmental Socioeconomic	Road congestion. Reliance on TII for alerts on National roads Extended workload and overtime leading to burnout and availability of monitoring staff	None	None	Minor	None	Major	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
Reduced water quality	Vegetation debris or leachate from surface run off entering water	Water bodies	Physical  Environmental  Socioeconomic	Exercises windows and options reading to currous and availability of monitoring saint Sewage overflow injust into water bodies Water turbulity Combined for laint during the company of th	None	None	Negligible	None	None	Major	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.56
quany	systems. Boil water- notices issued in some cases	Water supply	Physical  Environmental  Socioeconomic	Impermeability of surface Ground develorion and gradent relative to surrounding area Proximity to turban environment Extended workload and overtime leading to burnout and availability of monitoring staff Responsibility (risk) Water)	None	None	Negligible	Negligible	None	None	Negligible	None	None	Negligible	Negligible	None	None	None	None	None	None	Major	0.50
Inundated wastewater treatment systems	Private systems located in poor drainage areas and/or flood zones become inundated	Wastewater infrastructure	Physical Environmental Socioeconomic	Capacity and fullness of septic tanks Water table level Proximity to urban environment .	None	None	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	None	None	Major	0.44



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



Hazard Event:	Heavy Snowfall
Frequency of Occurrence:	Occasional
Description of the Hazard Event:	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.

				Vulnerability									Service Areas: I	evel of Disr	uption								
Hazard Impact	Impact Description:	Exposure	Туре	Description	Archives	Arts and	Business	Community	Emergency	Environment	Finance	Governance and	Built Heritage and	Housing		Information	Leisure and	Libraries and	Planning	Roads and	Tourism	Water	Impact Score
			-,,	Use of material		Culture	Economy	,	Services			Administration	Conservation		Resources	Technology	Recreation	Museums	and Building	Transport		Services	Score
		LA Buildings	Physical	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 Socioeconomic	Ground elevation relative to sea level																			
			Physical	Use of material Built Heritage Structural loading	None	None	None	Minor	Minor	None	Minor	None	None	Minor	None	None	None	None	None	None	None	None	
		Housing	Environmental	Time to thaw Ground elevation relative to sea level	None	None	None	MIIIO	Millor	Notice	MIIIO	Notice	None	MIIIO	None	None	None	None	Notice	None	None	None	0.44
			Socioeconomic	- Use of material Built Heritage																			
	Heavy buildup of	Bridges	Physical	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
Damage to infrastructure	snow exceeding structural limits		Environmental Socioeconomic	Ground elevation relative to sea level																			
		Downer outputs	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	
		Power supply	Environmental Socioeconomic	Ground elevation relative to sea level	ivegligible	rvegrigible	Major	ivegigible	MIIIO	rvegiigibie	rvegligible	Negligible	rvegiigibie	rvegrigible	WIIIO	woodlate	ivegiigibie	rvegiigibie	regigible	Moderate	rvegrigible	Moderate	
			COCIOCONIONIO	Use of material Built Heritage																			2.28
		Water and	Physical	Structural loading		None	Minor	N	Minor	N	Mantheta	N			Minor	N		None	None	None	Manufalkia		2.20
		wastewater treatmen plants		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 Socioeconomic	Ground elevation relative to sea level																			
			Physical	Structural loading Backup generators																			
		Telemetry	Environmental	Time to thaw Proximity to vegetation	Negligible	Negligible	Major	Negligible	Minor	Negligible	Minor	Negligible	Negligible	None	Minor	Moderate	Negligible	Negligible	Negligible	Moderate	Negligible	Moderate	1.61
			Socioeconomic Physical	- Cliff stability																			1
Damage to environment	Erosion due to freeze-thaw action	SAC/SPA/natural habitats	Environmental	Elevation relative to sea level	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	Negligible	None	None	None	Negligible	None	0.33
		_	Socioeconomic Physical	Time to thaw																			-
		Transport infrastructure	Environmental	Ground elevation relative to sea level Snow removing measures	None	None	Moderate	Minor	Major	None	Negligible	None	None	None	Negligible	None	Minor	None	None	Moderate	Moderate	None	1.06
			Socioeconomic Physical	High impact for people who reside in isolated locations who are cut off with no access to services.  Time to thaw																			
	Snow buildup disrupting transport	Buildings	Environmental	Ground elevation relative to sea level	None	None	Minor	Minor	None	None	Negligible	Negligible	None	None	None	None	Negligible	Minor	None	None	Minor	None	0.61
Disruption to infrastructure/	networks, building access, amenity		Socioeconomic Physical	Time to thaw																			
facilities	access, and water	Amenities	Environmental Socioeconomic	Ground elevation relative to sea level Snow removing measures	None	None	None	Moderate	None	None	Negligible	None	None	None	Negligible	None	Minor	Moderate	None	None	Minor	None	0.67
	processes	Water and wastewater treatmen	Physical	Time to thaw Ground elevation relative to sea level	None	None	Negligible	None	Minor	None	Minor	None	None	None	Minor	None	None	None	None	None	Negligible	Major	0.67
		systems	Socioeconomic	Snow removing measures			0.0														0.0		
		Schools	Physical Environmental	Time to thaw Ground elevation relative to sea level	None	None	Minor	Moderate	None	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	0.39
			Socioeconomic Physical	Snow removing measures																			
		General public	Environmental	Available cover Proximity to urban environments	None	Negligible	Minor	Minor	Minor	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.44
			Socioeconomic	Population age																			
			Physical	Population constitution -																			
Health and	Heavy snowfall affects safe travel	Council staff	Environmental	Available cover Proximity to urban environments	None	None	Moderate	None	Moderate	None	Negligible	Negligible	None	None	None	None	None	Minor	None	None	None	None	0.56
Safety risks	and poses a risk of	Oddroii Staii	Socioeconomic	Population age Population constitution																			0.50
	injury		Physical	Training required to operate vehicles/equipment to aid in emergency events  Transport method used																			
			Environmental	Available cover																			
		Outdoor workers		Proximity to urban environments  Population age	None	None	Minor	Minor	Moderate	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.44
			Socioeconomic	Population constitution Training required to operate vehicles/equipment to aid in emergency events																			
	Fast thawing of large amounts of		Physical Environmental	Capacity fo drainage network																			
Minor flooding issues	snow can lead to excessive amounts	Drainage network	Socioeconomic	-	None	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	None	Minor	None	None	0.22
	of surface run off Heavy snow leads		Physical	Level of insulation of buildings	None	News	None	N	None		No effects	None	N		New	N		N	None	None	Maria	Ness	
Reduced air	to less active travel and the need for	Air	Environmental Socioeconomic	Proximity to urban environment	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
quality	more heat in buildings,	DI-	Physical Environmental		None	None	None	Montain's	Montinih's	None	Montinib'-	None	None	None	Montinit's	None	None	None	None	None	None	None	0.00
	increasing burning of fossil fuels	People	Socioeconomic	Population age	None	None	None	Negligible	Negligible	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	0.22
	Of IOSSII IOEIS		Physical	Population constitution																			
	Exposure to snow		Environmental	Proximity to urban environment Available cover										l					l	l			
Frostbite	can lead to frostbite	People		Human desire to watch the event from an unsafe location Population age	None	None	Minor	Minor	Moderate	None	Negligible	None	None	None	Minor	None	Minor	None	None	None	Minor	None	0.78
			Socioeconomic	Population constitution Homeless																			
						1																	_



Hazard Event:

Frequency of Occurrence:

Common

Record high temperatures with temperatures exceeding 30°C over a number of consecutive days. Urban areas particularly affected.

				Vulnerability									Service Areas: L	evel of Disr	uption								
Hazard Impact	Impact	Exposure				Arts and	Business		Emergeney			Governance and	Built Heritage			Information	Loisure and	Libraries	Diagning	Roads and		Water	Impost
	Description:		Type	Description	Archives	Culture	and Economy	Community	Emergency Services	Environment	Finance	Administration	and Conservation	Housing		Technology	Recreation	and Museums	and Building		Tourism	Services	Impact Score
			Physical																				
		Outdoor workers	Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ sun screen/ cooling apparatus	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
Hot and uncomfortable	High temperatures		Socioeconomic	Population age																			
working	in homes and office causing discomfort		Physical	Population constitution -																			
conditions	causing aiscomore	Indoor workers	Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ cooling apparatus	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
		made: workers	Socioeconomic	Population age																			0.00
				Population constitution  Campfires going out of control																			
			Physical	BBQ's in urban areas gives of stray flame																			
		People	Environmental	Proximity to fire Exposure to fire	None	None	None	None	Moderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.28
			Socioeconomic	Population age	1																		
			Physical	Population constitution																			
	Wildfires or			Proximity to fire Upland areas and gorse areas typically affected																			
	domestic fires are	Environment	Environmental	Areas of conservation	None	None	None	None	Moderate	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
Risk of fires	easily started in heatwaves due to		Socioeconomic	Biodiversity present	- 1																		
	the dryness of the			Structural integrity																			
	environment	LA Buildings	Physical	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	Structural integrity																			
		Housing	Physical	Fire proofing of buildings	None	None	None	Minor	Moderate	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.44
		riousing	Environmental	Built Heritage Proximity to fire	None	140110	140110	iniii loi	moderate	Teoric	recgnigible	14010	None	HIII NOT	140110	TROTIC	redire	140110	Teoric	Hone	140110	redic	0.44
			Socioeconomic Physical																				
	High heat can lead		Environmental	Limited access to green areas/ areas of shade	1																		
Heat stroke	to heat stroke if	People	Environmental	Inadequate access to water and sun screen Population age	None	None	Negligible	Minor	Major	None	Negligible	None	None	None	Moderate	None	Negligible	None	None	None	Minor	Major	1.00
	careless		Socioeconomic	Population constitution																			(
				Homeless Status of water supply system																			
	Issues with provision of water	Farm animals	Physical	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
Agricultural pressure	for animals, insufficient water for		Environmental Socioeconomic	Water source location Type of farm animals present	1																		
pressure	crops, and reduced	Crops	Physical Environmental	Irrigation infrastructure	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
	grass	оторз	Socioeconomic																				0.11
	High temperatures		Physical	Access to recreational areas Capacity																			
	promotes the use of recreational		Environmental	Proximity to urban environment	1																		
Pressure on recreational	facilities and puts	Green areas		Water and waste services	None	None	Negligible	Minor	Moderate	Minor	Negligible	None	None	None	None	None	Moderate	None	None	Minor	Moderate	Moderate	1.11
areas	pressure on existing infrastructure and	Green areas		December of staff	None	None	ivegiigible	MILIO	Moderate	MIIIO	ivegligible	Ivolle	None	None	None	None	Moderate	Notice	None	WIIIO	Moderate	Moderate	1.11
	emergency rescue		Socioeconomic	Resourcing of staff																			
	services																						
			Physical	Surface dressed roads susceptible to boiling of bitumen																			
		Roads and Bridges	,	Built Heritage Available shade cover	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
			Socioeconomic	Proximity to urban environment	-																		
			Physical	Material properties																			
	High temperatures resulting in	LA Buildings		Built Heritage Available shade cover	None	None	None	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.28
Heat stress on buildings/	structures being warned/ road		Environmental	Proximity to urban environment							- 0												
infrastructure	warped/ road surfaces being		Socioeconomic	Material properties																			
	damaged	Housing	Physical	Built Heritage	None	None	None	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.28
		Housing	Environmental	Available shade cover Proximity to urban environment	Notice	NOTE	NOIR	IVOILE	IVUIE	IVOITE	.vegiigible	IVUIE	WIIIO	WIIIKH	Notice	NONE	NONE	IVOITE	NOTE	NOTIC	NOTE	NOTE	0.26
			Socioeconomic Physical	- Historical mixes of concrete prone to heaving																			
		Pavements	Environmental	Located within areas of high solar radiation	None	None	None	Minor	None	None	Negligible	None	None	None	None	None	Minor	None	None	Minor	None	None	0.39
			Socioeconomic	- Use of material																			
Damage to monuments	Drying out of soil can destabilise	Built heritage	Physical	Built heritage	None	None	None	None	None	None	Negligible	None	Minor	None	None	None	None	None	None	None	Negligible	None	0.22
monuments	monuments	3-	Environmental Socioeconomic	Located within areas of high solar radiation	1																		



				Vulnerability									Service Areas: L	evel of Disn	uption								
Hazard Impact	Impact Description:	Exposure	Туре	Description	Archives	Arts and Culture	Business and Economy	Community	Emergency Services	Environment	Finance	Governance and Administration	Built Heritage and Conservation	Housing				Libraries and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score
Reduced water quality and	Water supplies drawing from water with high levels of dissolved material	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	Major	0.89
supply	due to evaporation of water sources and water supply plants	Water supply plants	Physical	Backus water supply Presence of shade Located within areas of high solar radiation	None	None	Moderate	None	Major	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	Major	1.00
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 but and surface seatem Water and wastle services Water and wastle services	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Major	0.28
Damage to environment	High temperatures can cause vegetation to dry up and die	SAC/SPA/natural habitats	Physical Environmental Socioeconomic	Vecetation 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



				Mulaarahilitu							_		Service Areas: L	evel of Disc	intion						_			
Hazard Impact	Impact	Exposure		Vulnerability		Arte and	Business		Emergenen				Built Heritage			Information	Loiouro ond	Libraries	Dianning	Boods and		Water	Impact	
mazara impact	Description:	Exposure	Туре	Description	Archives	Arts and Culture	and	Community	Emergency Services	Environment	Finance	Administration	and	Housing				and	Planning and Building	Roads and Transport	Tourism	Services	Impact Score	
			Physical				Economy						Conservation					museums						
	High temperatures in homes and office	Outdoor workers	Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ sun screen/ cooling apparatus	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50	
Hot and			Socioeconomic	Population age																				
uncomfortable working			Physical	Population constitution																				
conditions	causing discomfort		Environmental	Limited access to green areas/ areas of shade	None	None		None	None		Mantheta	News	Ness	None	Moderate		Ness	Ness	None	None	None	Minor		
		Indoor workers		Inadequate access to water/ cooling apparatus  Population age	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Millor	0.50	
	Hab town out out		Socioeconomic	Population constitution																				
Pressure on	High temperatures promotes the use of		Physical	Access to recreational areas Capacity																				
recreational	recreational	Green areas	Environmental	Proximity to urban environment	None	None	Negligible	Minor	Minor	Minor	Negligible	ble None	None	None	None	None	Major	None	None	Minor	Major	Moderate	1.17	
areas	facilities and puts pressure on existing			Water and waste services																			4	
	infrastructure		Socioeconomic																					
	Issues with provision of water	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	
Agricultural	for animals,	r aiiii aiiiiiais	Environmental	Water source location	None	None	WIIIO	None	ivoile	INOTIC	ivegligible	ivolle	None	None	None	None	None	None	None	None	None	None	0.17	
pressure	insufficient water for crops, and reduced		Socioeconomic Physical	Type of farm animals present Irrigation infrastructure																				
	grass	Crops	Environmental		None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17	
			Socioeconomic Physical	- Campfires going out of control																				
			Priysical	BBQ's in urban areas gives of stray flame																				
		People	Environmental	Proximity to fire Exposure to fire	None	None	None	None	Moderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.28	
			Socioeconomic	Population age																				
			Physical	Population constitution																				
	14/1146			Proximity to fire											None	None	None							
	Wildfires or domestic fires are	Environment	Environmental	Upland areas and gorse areas typically affected Areas of conservation	None	None	None	None	Moderate	Moderate	Negligible	None	None	None				None	None	None	None	None	0.39	
Risk of fires	and the standard to			Biodiversity present																				
			Socioeconomic	- Structural integrity											None	None	None	Minor						
			Physical	Fire proofing of buildings	Negligible	None	Minor	None	Moderate	None	Negligible	None	Minor	None					None	None	None	None		
		LA Buildings	Environmental	Built Heritage Proximity to fire	rvegligible	None	Mirror	None	Moderate	None	rvegligible	None	Minor	None	None	None	None	MINOT	Note	None	None	None	0.61	
			Socioeconomic	-																				
			Physical	Structural integrity Fire proofing of buildings																				
		Housing		Built Heritage	None	None	None	Minor	Moderate	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.44	
			Environmental Socioeconomic	Proximity to fire																				
			Physical	Material properties																				
	High temperatures	Transport		Built Heritage Available shade cover	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None  None  None  None  None  None  None	None	None	0.22
Heat stress on	resulting in	infrastructure	Environmental	Proximity to urban environment	None																			
buildings/	structures being warned/ road		Socioeconomic	- Material properties																				
infrastructure	surfaces being		Physical	Built Heritage								None												
	damaged	Buildings	Environmental	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	
			Socioeconomic	-																				
			Physical	Capacity Concentration of dissolved material																				
	Water supplies	Water bodies	. nysicai	Availability of groundwater	None	None	None	None	None	Moderate	Negligible	None	None	None	Minor	None	Moderate	None	None	None	Moderate	Major	0.89	
	drawing from water with high levels of		Environmental	Presence of shade																			0.00	
Reduced water quality and	dissolved material		Socioeconomic	Located within areas of high solar radiation																				
supply	due to evaporation of water sources		Physical	Backup water supply Odour issues																				
	and water supply	Water supply plants	Physical	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	
	plants	suppry plants	Environmental	Presence of shade Located within areas of high solar radiation	140110	140110	Journale	140110	,	14010	. sogngible	140110	110110	140110	140110	140110	.moucruid	140110	140110	140110	oocrate			
			Socioeconomic	Located within areas of high solar radiation Responsibility (Irish Water)																				
	Flows to treatment			Capacity																				
	plants experiencing		Physical	Concentration of dissolved material Combined foul and surface system																				
Damaged water treatment plants		Wastewater treatment plants		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	
u earment plants	to evaporation,	ueaument piants	Environmental	Proximity to urban environment Water and waste services																				
	disrupting the treatment plant		Socioeconomic																					
				Vegetation sensitivty to heat																-				
Damage to	High temperatures can cause	SAC/SPA/natural	Physical	Lowered water levels	None	None	None	None	Mono	Moderate	Nooligib's	None	None	None	None	None	None	Mono	None	None	None	None	0.00	
	vegetation to dry up		Environmental	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	
	and die		Socioeconomic																					



Hazard Event:

Above Average Surface Temperature

Frequency of Occurrence:

Frequency of Occurrence:

Frequency of the Hazard Event:

Georgistion of the Hazard Event:

Georgist

				Vulnerability									Service Areas: L	evel of Dist	untion								
Hazard Impact	Impact	Exposure		Vuinerability			Business						Built Heritage			Information		Libraries	Discoulant	B		100000	
mazara impact	Description:	Exposure	Туре	Description	Archives	Arts and Culture	and	Community	Emergency Services	Environment	Finance	Governance and Administration	and	Housing	Human Resources	Technology	Leisure and Recreation	and	Planning and Building	Transport	Tourism	Services Services	Score
	Changes in surface		Physical	Growing conditions required of the invasive flora			Economy						Conservation					museums					
	temperatures leads	Invasive species	Environmental	Influenced by time of year Invasive Alien Plant Species protocols in place to reduce the spread of invasice species	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
Change in	to a promotion in growth of invasive		Socioeconomic																				
biodiversity	species to the		Physical Environmental	Growing conditions required of the native flora Influenced by time of year																			
	detriment to native species	Native species	Socioeconomic		None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
	Changes in surface		Physical	Sensitivity of pollinaters to changes in temperatures																			
	temperatures leads		Environmental	Sensitivity of politicates to charactes in temperatures																			
Change in phenology	to a disruption to the phenology cycle, affecting pollinators and seasonal interactions	Pollinators	Socioeconomic		None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22
			Physical	Inadequate cooling mechanisms																			
		Dwellings	Environmental Socioeconomic	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
			Physical																				
Hot and	High temperatures	Outdoor workers	Environmental	Limited access to green areas/ areas of shade Inadequate access to water/ sun screen/ cooling apparatus	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
uncomfortable working	in homes and office	Outdoor workers	Socioeconomic	Population age																			0.00
conditions	causing discomfort		Physical	Population constitution																		_	
				Limited access to green areas/ areas of shade																			
		Indoor workers	Environmental	Inadequate access to water/ cooling apparatus Population age	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50
			Socioeconomic	Population age Population constitution																			
			Physical	Campfires going out of control																			
		D		BBQ's in urban areas gives of stray flame Proximity to fire	None	None	None	None	Moderate	None	Monlinit's	None	None	None	None	None	Montinible:	None	None	None	None	Mono	0.00
		People	Environmental	Exposure to fire	None	None	None	None	woderate	None	Negligible	None	None	None	None	None	Negligible	None	None	None	None	None	0.28
			Socioeconomic	Population age Population constitution																	None		
			Physical	-															None None None				
	Wildfires or			Proximity to fire Upland areas and gorse areas typically affected					Moderate												None		
	domestic fires are	Environment	Environmental	Areas of conservation	None	None	None	None	Moderate	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.39
Risk of fires	easily started in heatwaves due to the dryness of the environment		Socioeconomic	Biodiversity present																			
			Socioeconomic	Structural integrity																			
		LA Buildings	Physical	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
		LA buildings	Environmental	Proximity to fire	rvegrigible	None	WILLOW	None	Moderate	INOTE	ivegligible	Ivolle	WILLOW	None	None	None	None	MIIIOI	None	None	None	None	0.61
			Socioeconomic																				
			Physical	Structural integrity Fire proofing of buildings																			
		Housing		Built Heritage	None	None	None	Minor	Moderate	None	Negligible	None	None	Minor	None	None	None	None	None	None	None	None	0.44
			Environmental Socioeconomic	Proximity to fire																			
	Issues with		Physical	Status of water supply system																			
	provision of water	Farm animals	Environmental	Number of farm animals present Water source location	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
Agricultural	for animals,	Crops	Socioeconomic	Type of farm animals present																			
pressure	crops, and reduced		Physical	Irrigation infrastructure	None	None	Minor	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17
	grass		Environmental Socioeconomic		1	None	WILLOW	ivoile	Notice	None	ivegligible	Ivolle	None	None	None	None	None	INOTIC	None	None	None	None	0.17
	High temperatures		Physical	Access to recreational areas																			
Pressure on recreational	promotes the use of recreational			Capacity Proximity to urban environment	None	None	Negligible	Minor	Minor	Minor	Monlinible	None	None	None	None	None	Moderate	None	None	Minor	Moderate	Moderate	4.00
areas	facilities and puts	Green areas	Environmental	Water and waste services	None	None		IMITO	Minor	Minor	Negligible	IVOILE	None	None	None	None	Moderate	INOTIC	None	WIIIIO	moderate	moderate	1.06
	pressure on existing infrastructure		Socioeconomic	•																			
			Physical	Material properties																			
	High temperatures	Transport		Built Heritage Available shade cover	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	Moderate	None	None	0.22
Heat stress on	resulting in	infrastructure	Environmental	Proximity to urban environment																			
buildings/	structures being warped/ road		Socioeconomic	- Material properties																			
infrastructure	surfaces being		Physical	Built Heritage																l			
	damaged	Buildings	Environmental	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
			Socioeconomic	-																			
	Water supplies		Physical	Capacity Concentration of dissolved material																			
	drawing from water with high levels of	Water bodies	Environmental	Presence of shade	None	None	None	None	None	Moderate	Negligible	None	None	None	Minor	None	Moderate	None	None	None	Moderate	Moderate	0.83
Reduced water quality and	dissolved material			Located within areas of high solar radiation																			
quality and supply	due to evaporation		Socioeconomic Physical	Backup water supply																			
"	of water sources and water supply	Water supply plants		Presence of shade	None	None	Moderate	None	None	None	Negligible	None	None	None	None	None	Moderate	None	None	None	Moderate	Moderate	0.72
	plants		Socioeconomic	Located within areas of high solar radiation  Responsibility (Irish Water)							5 5												
	Flows to treatment			Canacity																			
	plants experiencing large amounts of		Physical	Concentration of dissolved material Combined foul and surface system																			
Damaged water treatment plants	organic loading due	Wastewater treatment plants	Environmental	Proximity to urban environment	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None	None	None	Moderate	0.22
u earment plants	to evaporation, disrupting the	u eaument plants	Environmental	Water and waste services																			
	treatment plant		Socioeconomic	*																			
_	High temperatures		Physical	Vegetation sensitivity to heat																			
Damage to environment	can cause vegetation to dry up	SAC/SPA/natural habitats	Environmental	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
	nent vegetation to dry up hai and die		Socioeconomic																				



Hazard Event:

Above Average Precipitation

Frequency of Occurrence:

Description of the Hazard Event:
(Including relevant meteorological / climatological conditions and locations are frected)

Prolonged periods of rainfall.
Change in pattern of typical rainfall periods.

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



Hazard Event:

Cold Spell

Frequency of Occurrence:
Common

Description of the Hazard Event:
(Including relevant meteorological / climatological conditions and locations affected)

Record Iow temperatures with temperatures between 0 and -10 degrees C throughout Winter.

									'				Service Areas: L	evel of Disr	untion			1900							
	Impact			Vulnerability			Business						Built Haritage	evel of Dist				Libraries							
Hazard Impact	Description:	Exposure	Туре	Description	Archives	Arts and Culture		Community	Emergency Services	Environment		Governance and Administration	and	Housing		Information Technology		and Museums	Planning and Building	Roads and Transport	Tourism	Water Services	Impact Score		
Cold and		Outdoor workers	Physical Environmental	Limited access to heating apparatus/ shelter	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50		
uncomfortable	Low temperatures in homes and office		Socioeconomic	Population age Population constitution																					
working conditions	causing discomfort		Physical Environmental	- Limited access to heating apparatus																					
		Indoor workers	Socioeconomic	Population age Population constitution	None	None	Moderate	None	None	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Minor	0.50		
	Low temperatures		Physical Environmental	Proximity to urban environment	None			Minor	Major						Moderate	None						Major			
Frostbite	can lead to frostbite if careless	People	Socioeconomic	Population age Population constitution Homeless	None	None	Negligible	MITO	major	None	Negligible	None	None	None	Moderate	None	None	None	None	None	None	Major	0.83		
				Material properties																					
		Tranpsort infrastructure	Physical	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		
	Low temperatures resulting in		Environmental Socioeconomic	Proximity to urban environment																					
Cold stress on buildings/	structures being warped/ road		Physical	Material properties Built Heritage																					
infrastructure	surfaces being damaged	LA Buildings	Environmental Socioeconomic	Proximity to urban environment	None	None	Minor	None	None	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.39		
	damaged		Physical	Material properties Built Heritage																					
		Housing	Environmental	Proximity to urban environment	None	None	None	None	Minor	None	Negligible	None	Minor	Minor	None	None	None	None	None	None	None	None	0.39		
			Socioeconomic Physical	Requirement for additional heat and additional insulation of housing stock  Deoth of water																					
Reduced water	Frozen water restrict extraction and distribution of water	Water bodies	Environmental Socioeconomic	Elevation in relation to sea level	None	None	None	None	None	Major	Negligible	None	None	None	Minor	None	Moderate	None	None	None	Moderate	Major	0.94		
quality and supply		Water supply	Physical	Backup water supply Air volume in pipes											None	None	Moderate	None	None						
,	water	infrastructure	Environmental	Elevation in relation to sea level	None	None	Moderate	None	Major	None	Negligible	None	None	None		None	Moderate			None	Moderate	Major	1.00		
Damaged water	Frozen water	Water and	Socioeconomic Physical	 Air volume in pipes Combined foul and surface system																None	None				
supply and	damaging treatment	wastewater treatmen	t Environmental	Elevation in relation to sea level	None	None	None	None	None	None	Negligible	None	None	None	None	None	None	None	None			Major	0.28		
treatment plants		plants	Socioeconomic	-																					
Oh I-	Changes in surface		Physical Environmental	Low temperatures bring about changes in species distribution and phenology of river systems																					
phenology	temperatures leads to a disruption to the phenology cycle	River habitats	Socioeconomic	•	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22		
	Cold temperatures		Physical Environmental	- Proximity to facilities											Moderate										
More time spent indoors	dissuades people from going outdoors	Mental health	Socioeconomic	Population age Population constitution	None	None	Minor	Moderate	None	None	Negligible	e None	None	None		None	None	None	None	None	None	None	0.50		
				Home dynamics - living alone or with family																					
	Low temperatures lead to less active	Air	Physical Environmental	Level of insulation of buildings Proximity to urban environment	None	None	None	None	None	Minor	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.17		
Reduced air	travel and the need		Socioeconomic Physical																						
quality	for more heat in buildings,		Environmental		Ness		None	Manthelia	Nontribe	Need	No effects:	None	None	None	Mantala			None			None	None			
	increasing burning of fossil fuels	People	Socioeconomic	Population age Population constitution Homeless	None	None	None	Negligible	Negligible	None	Negligible	None	None	None	Negligible	None	None	None	None	None	None	None	0.22		
	Low temperatures	SAC/SPA/natural habitats	Physical Environmental	Molecules   Mole	None	None	None	None	None	Moderate	Negligible	None	None	None	None	None	None	None	None	None	None	None	0.22		
Damage to environment	can cause vegetation to freeze		Socioeconomic	-																.40110					
environment	and die	Agricultural land	Physical Environmental	Prolonged road salting affecting salinity of surrounding ground	None	None	Negligible	Minor	Minor	Minor	Negligible	None	None	None	None	None	Major	None	None	Minor	Major	Moderate	1,17		
		r-gricultural iatid	Environmental Socioeconomic	Influenced by time of year	140110		. Augingialiti	minor			. Augingrafie		140110	140110		14012				***************************************		Journale	1.17		