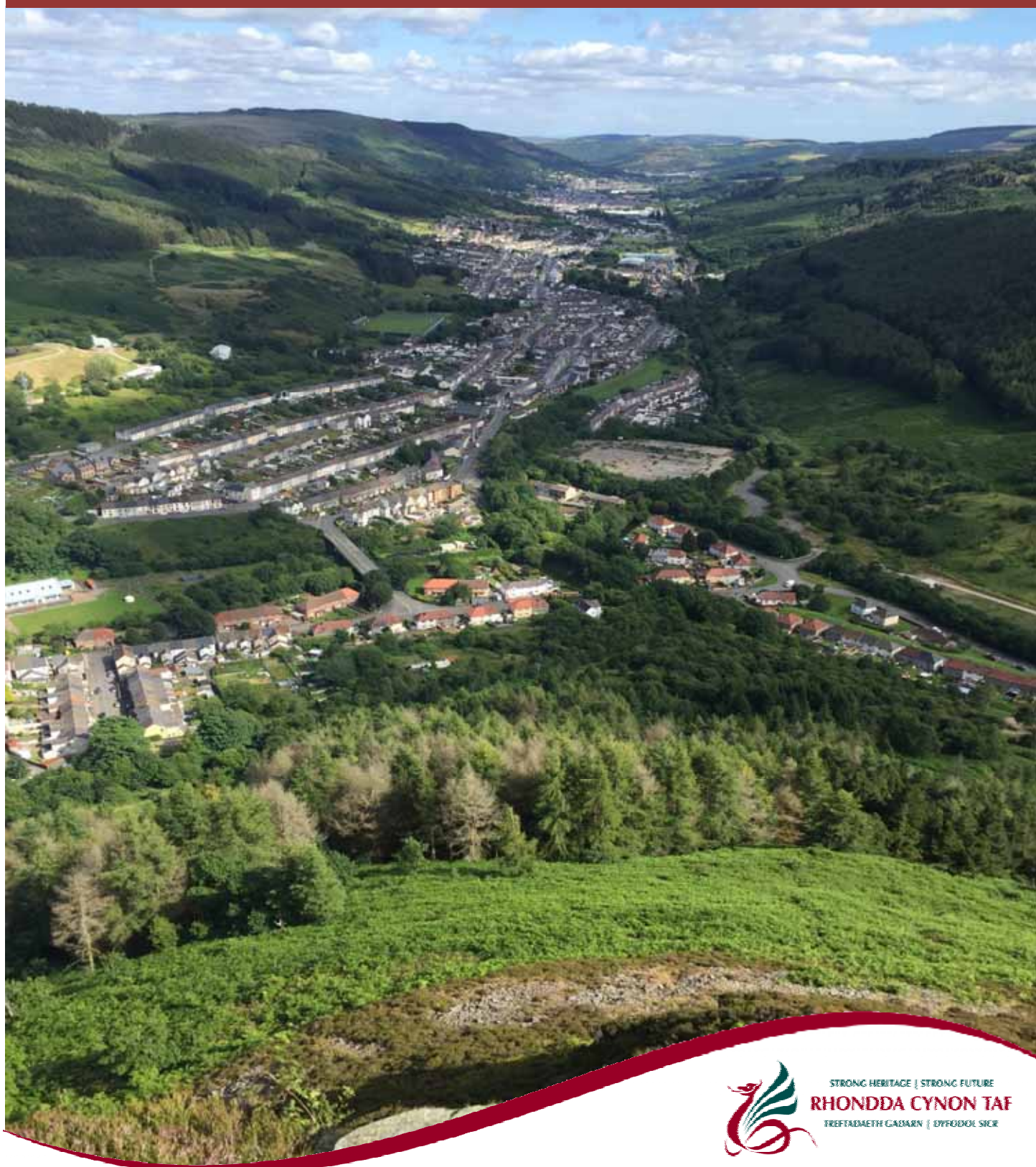


RHONDDA CYNON TAF COUNTY BOROUGH COUNCIL
Flood Risk Management Plan

VOLUME 2



STRONG HERITAGE | STRONG FUTURE
RHONDDA CYNON TAF
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APPENDIX A

FLOOD INVESTIGATION AREAS

Flood Investigation Area - RCT0001

Flood Investigation Area RCT0001 is situated in the community areas of Aberdare East and Aberaman North. The flood risk is likely associated with an unnamed watercourse and is likely attributed to culvert inlets.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between historic flood events and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

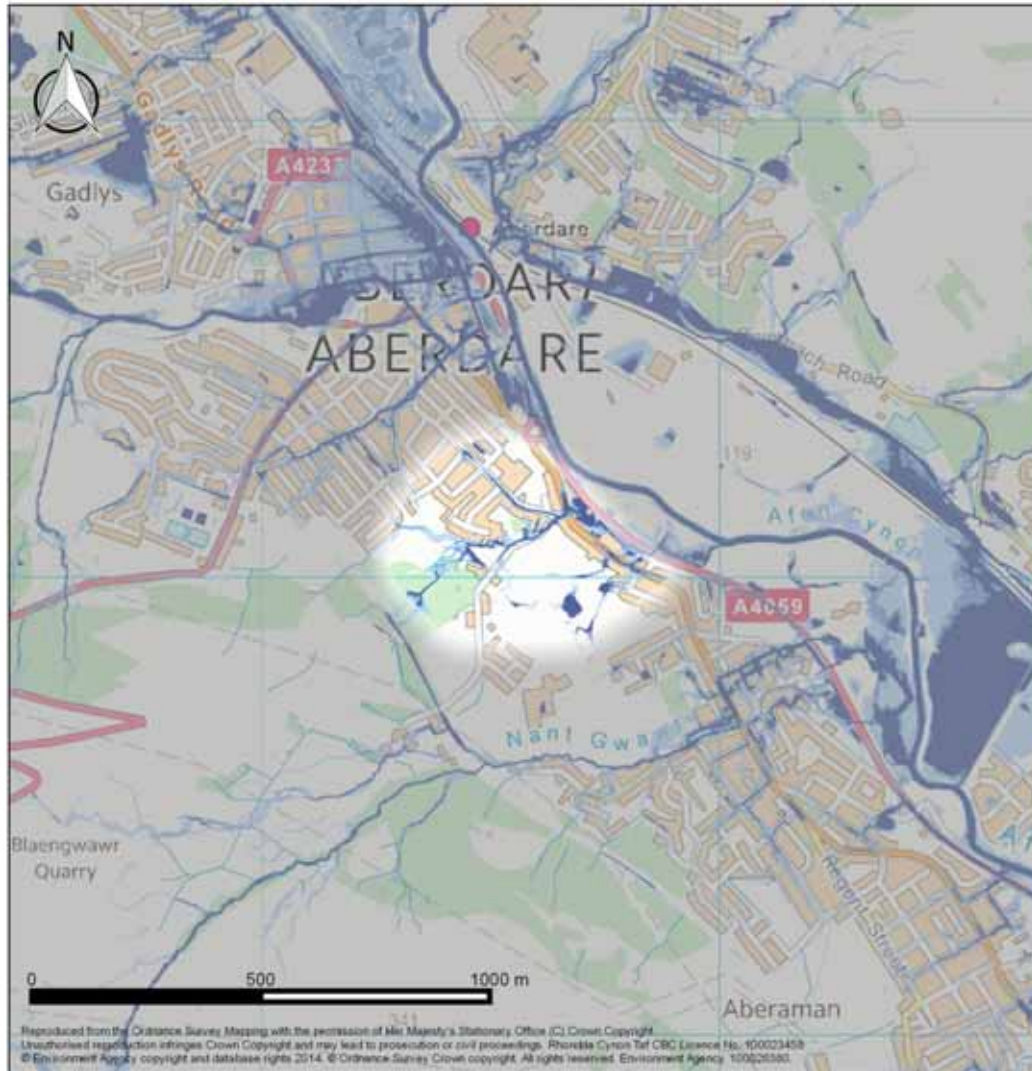
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0001

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People	719	33	28	113
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	46	4	1	6
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	1			
Highway	4			

Summary of Flood Risk Management Plan Measures for RCT0001

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0001	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0001



RCT0001

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0002

Flood Investigation Area RCT0002 is situated within Aberaman North with a small section incorporating Cwmbach in the northeast. A low to high risk is identified along the length of the Nant Gwawr, particularly along Gwawr Street, Cardiff Road, Curre Street and Holford Street. It is anticipated that this is associated with the culvert inlet adjacent to the junction of Cardiff Road and Gwawr Street. A high risk of flooding is noted in the fields to the east of the Aberdare bypass.

Surface Runoff flood risk is noted to the south of the Nant Gwawr at Brook Street, Hill Street and Kind Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

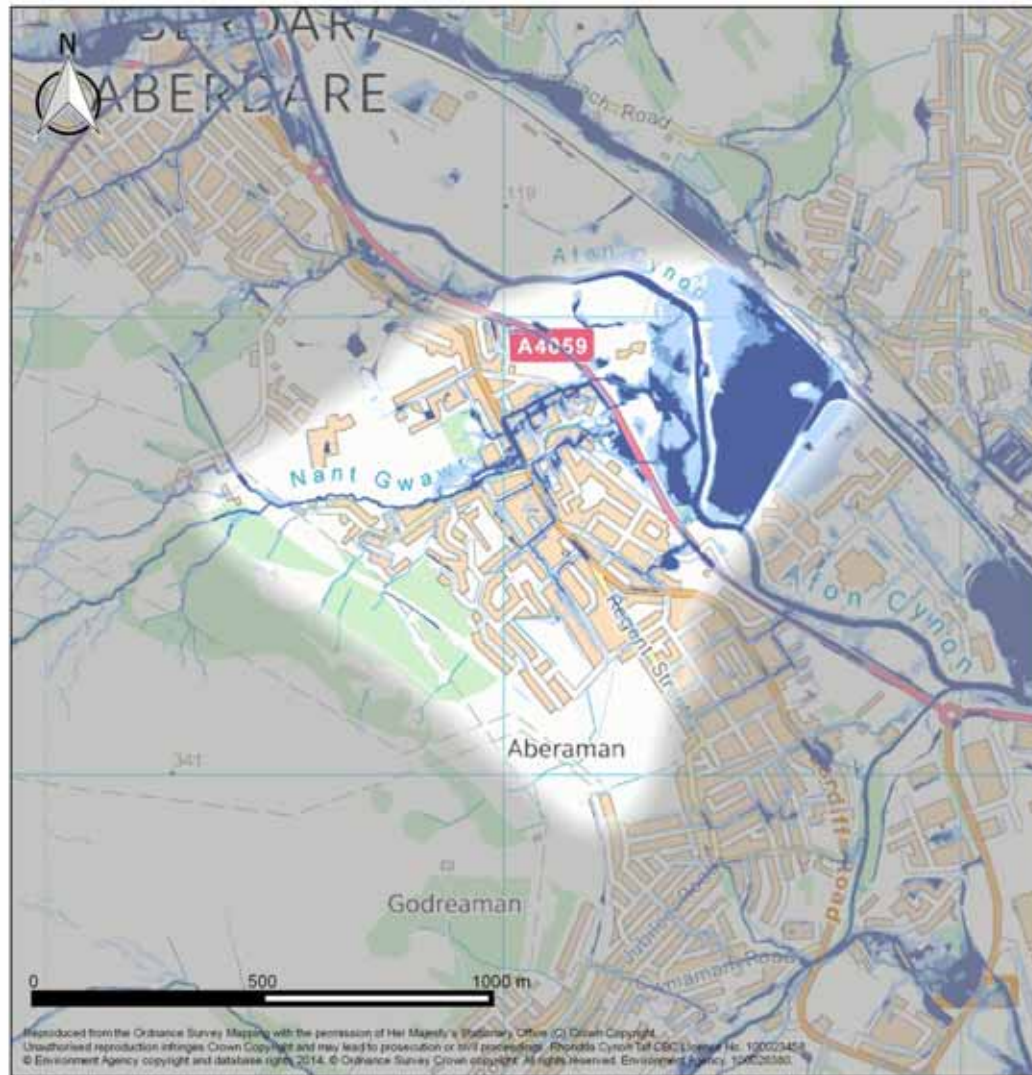
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0002

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People	2099	139	115	454
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	124	4	6	17
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.1	0	0	0.09
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	12			
Highway	17			

Summary of Flood Risk Management Plan Measures for RCT0002



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0002	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Ongoing/Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Completed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0002






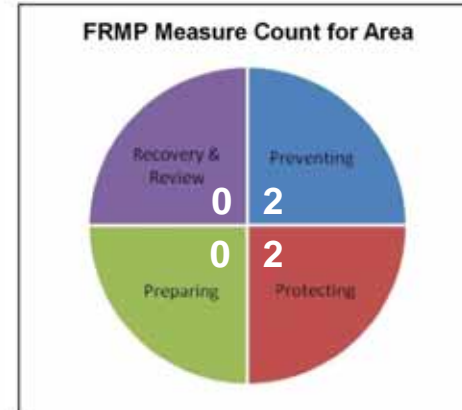
RCT0002

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0003

Flood Investigation Area RCT0003 is located in the community area of Aberaman North with low to high risk indicated at Llanddewi Street, Cardiff Road, Brecon Street, Lower Station Street and Lower Street. Low to high flood risk is also indicated at Margaret Street and Cynon Street and Clifton Crescent.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is an average correlation between the locations of flood incidents and areas identified as at a risk of surface water flooding with flooding incidents of note relating to the flooding of the highway.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

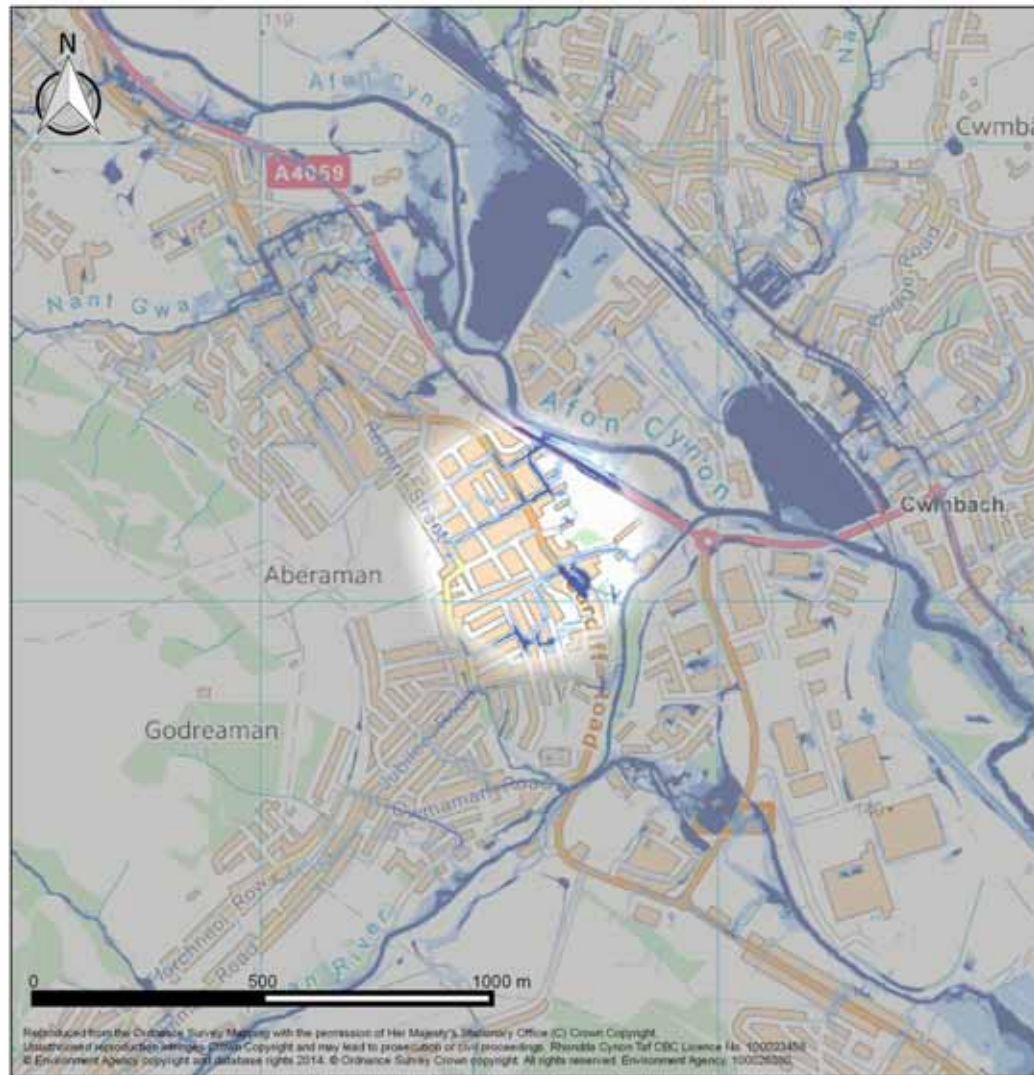
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0003

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1408	160	31	54
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	50	3	0	5
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	2			
Highway	4			

Flood Risk Management Plan Measures for RCT0003

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0003	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0003



RCT0003

Legend

- RCT Boundary
- Flood Investigation Area
- Flooding Risk**
- High
- Medium
- Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0004

Flood Investigation Area RCT0004 is situated within the community areas of Aberaman North and Aberaman south. A low to high risk indicated at Cwmaman Road, Jubilee Road and Ffrwd Street. It is anticipated that this flood risk is Surface Runoff.

A low to high flood risk is also identified at the culvert inlet on an unnamed watercourse to the south of Oaklands Primary School; no significant receptors are adversely affected by this flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Historic highway flooding incidents broadly correlate with those areas of highway identified as being at a risk of low to high flood risk. Historic flooding incidents regarding culverts relate to the reporting of culvert inlet blockages rather than capacity issues.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

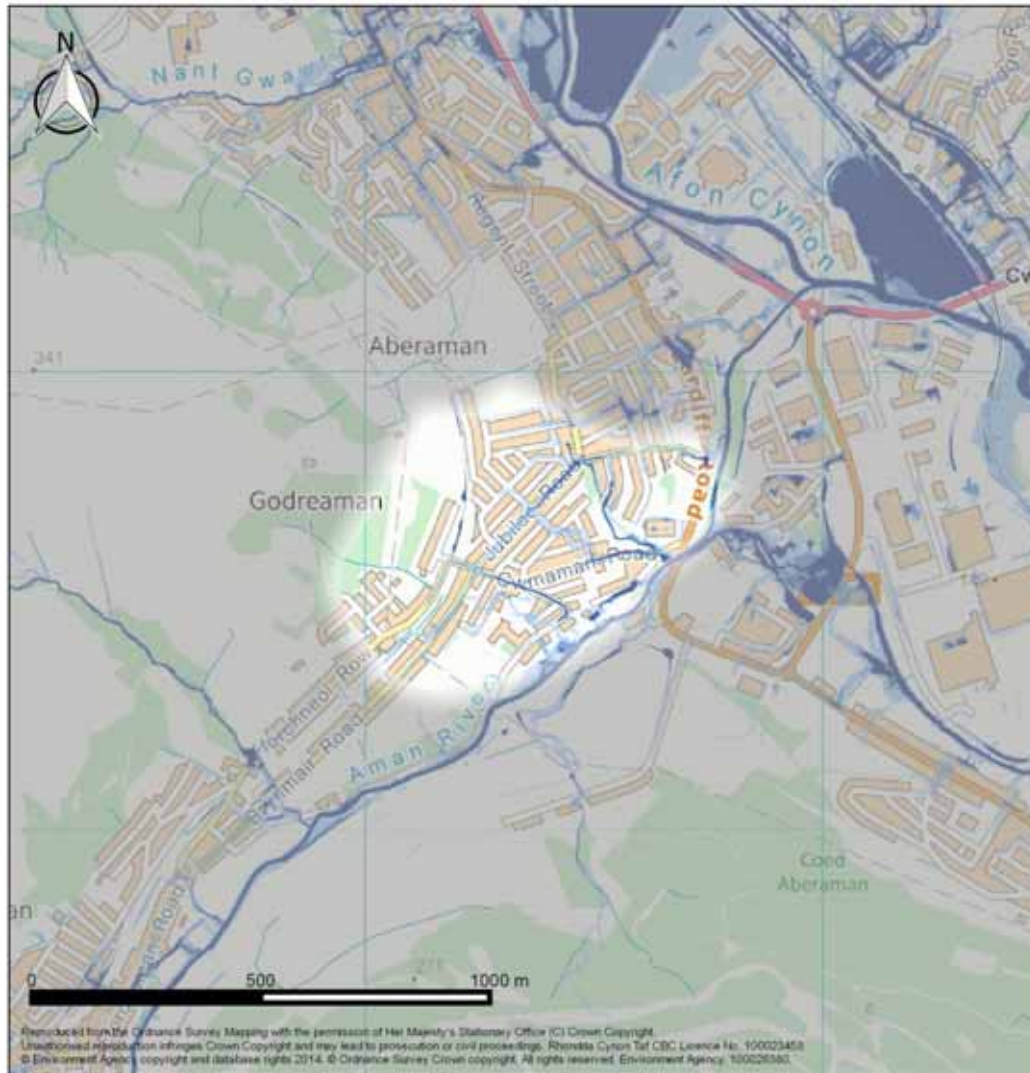
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0004

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1915	2	2	115
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	75	0	0	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	7			
Highway	27			

Flood Risk Management Plan Measures for RCT0004

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0004	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0004



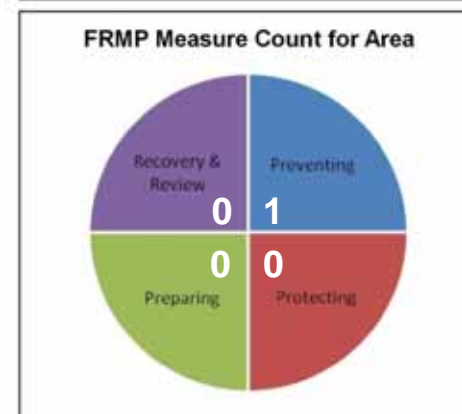
RCT0004

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0005

Flood investigation Area RCTCBC 0005 is situated within the community area of Aberaman South. A low to high flood risk is indicated from the culvert inlet of the Nant Neol, adjacent to Cwmneol Bridge. The flood flow path flows through property before discharging into the Nant Neol at its confluence with the Aman River.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between highway flooding events reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

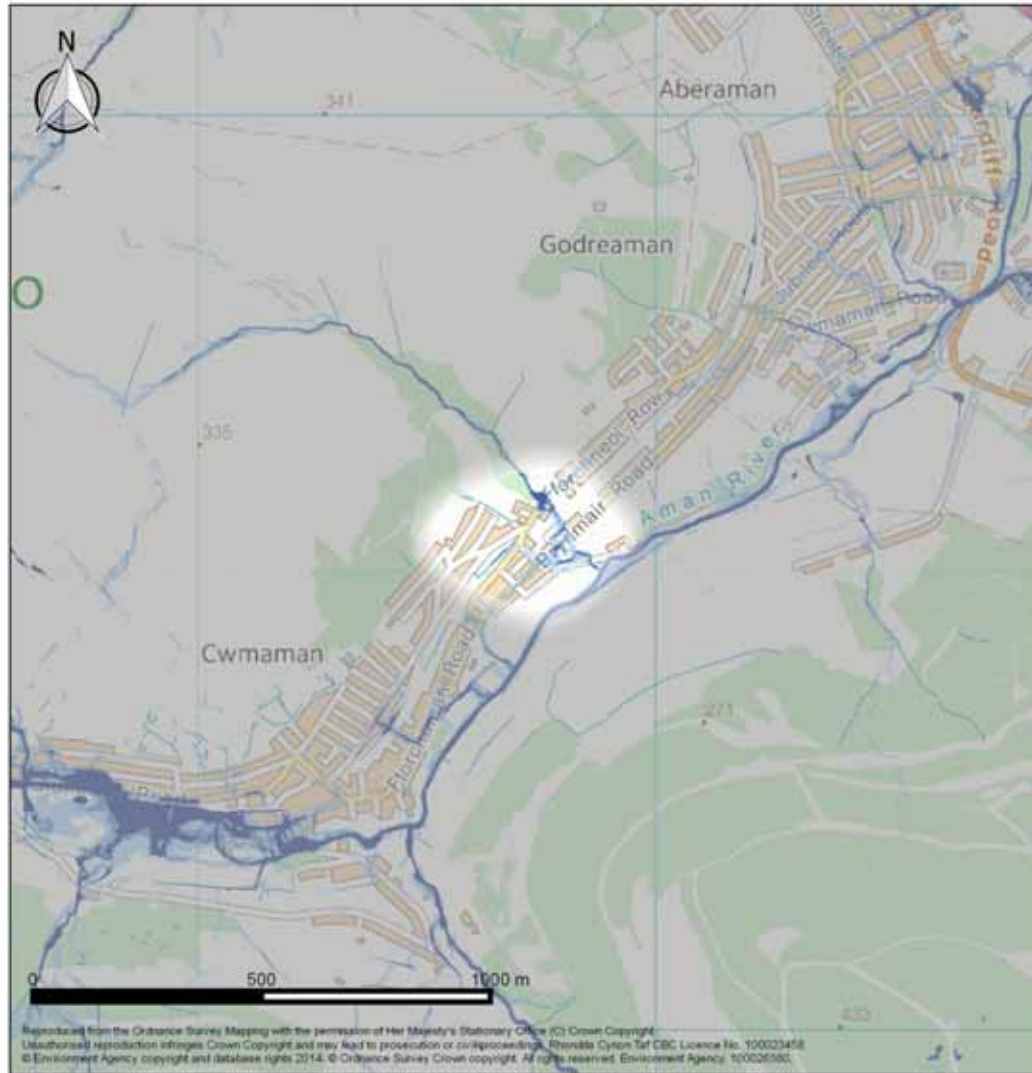
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0005

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	294	7	0	9
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	20	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	2			
Highway	4			

Flood Risk Management Plan Measures for RCT0005



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0005	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0005






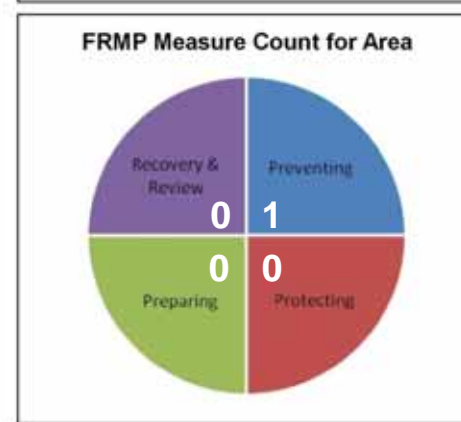
RCT0005

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0006

Flood Investigation Area RCT0006 is situated within the community area of Aberaman South. The uFMfSW identifies a low to high risk of surface runoff at Milton Street, Cwmneol Street and Fforchaman Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The reported incident of external flooding to property is consistent with the risk posed within the uFMfSW; however, the reported incidents to highways show a poor correlation with the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

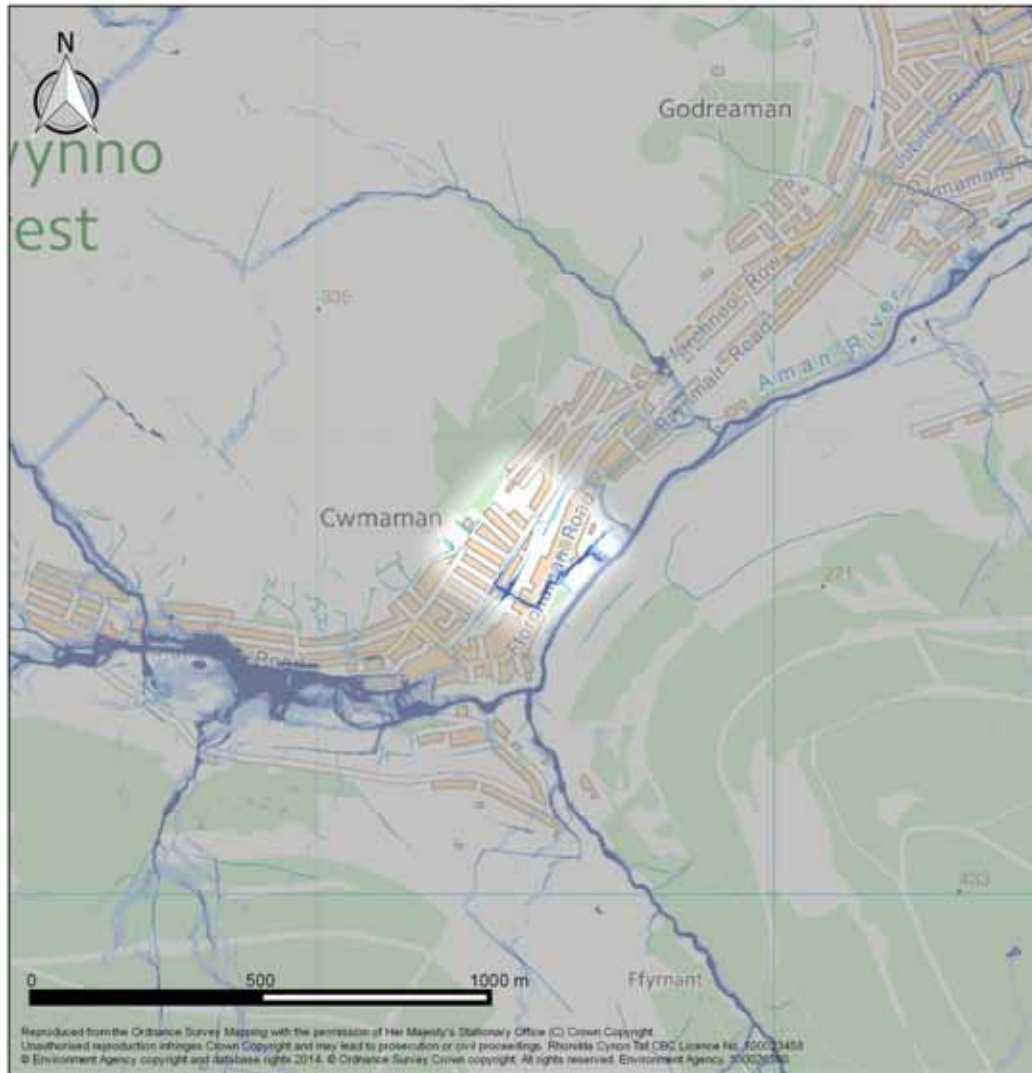
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0006

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	531	56	14	5
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	19	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	2			

Flood Risk Management Plan Measures for RCT0006



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0006	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0006






RCT0006

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0007

Flood Investigation Area RCT0007 is situated in the community area of Aberaman South. Flood risk presented in the Flood Investigation Area is likely attributed to a combination of surface water and main river flooding. Flood risk is noted along the length of Glanrhyd Street, Glanaman Road and Aman Street along with sections of Glanhafod Street. The flood flow path then flows west to east across the Aman River flood plain before returning to the channel south of Aman Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Relevant historic flood events relate to highway flooding and show a good correlation with the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0007

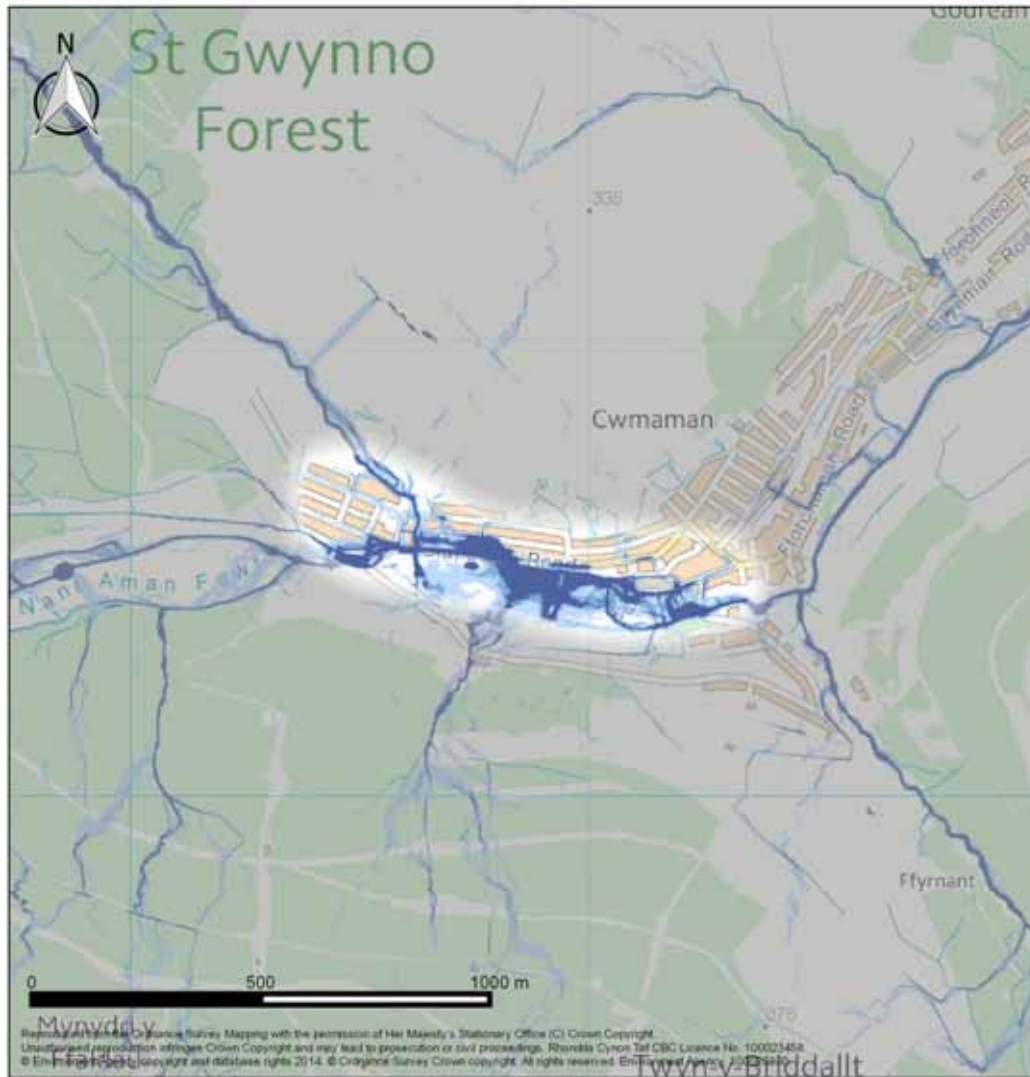
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1088	183	16	169
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	44	5	5	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	3			
Highway	13			

Flood Risk Management Plan Measures for RCT0007

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0007	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0007



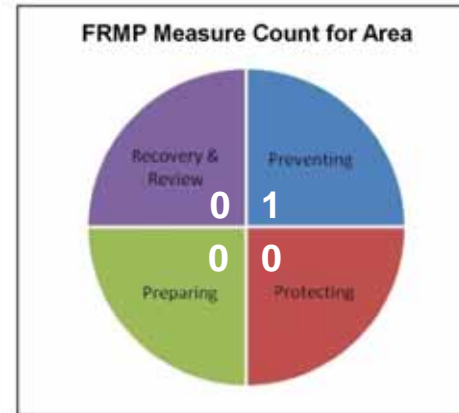
RCT0007

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0008

Flood Investigation Area RCT0008 is situated within the community area of Aberaman South. The flood risk is considered to be sourced from surface runoff and ordinary watercourse flooding. A low to medium risk is identified at Graig Avenue, Cromer Street, Mary Street, John Street and Tanycoed Terrace. The low to high flood risk identified at Bronallt Terrace is anticipated to be associated with the culvert inlet of the drain to the south of the street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

No flood incidents identified within the area relate to property flooding and there is a poor correlation between recorded flooding to the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

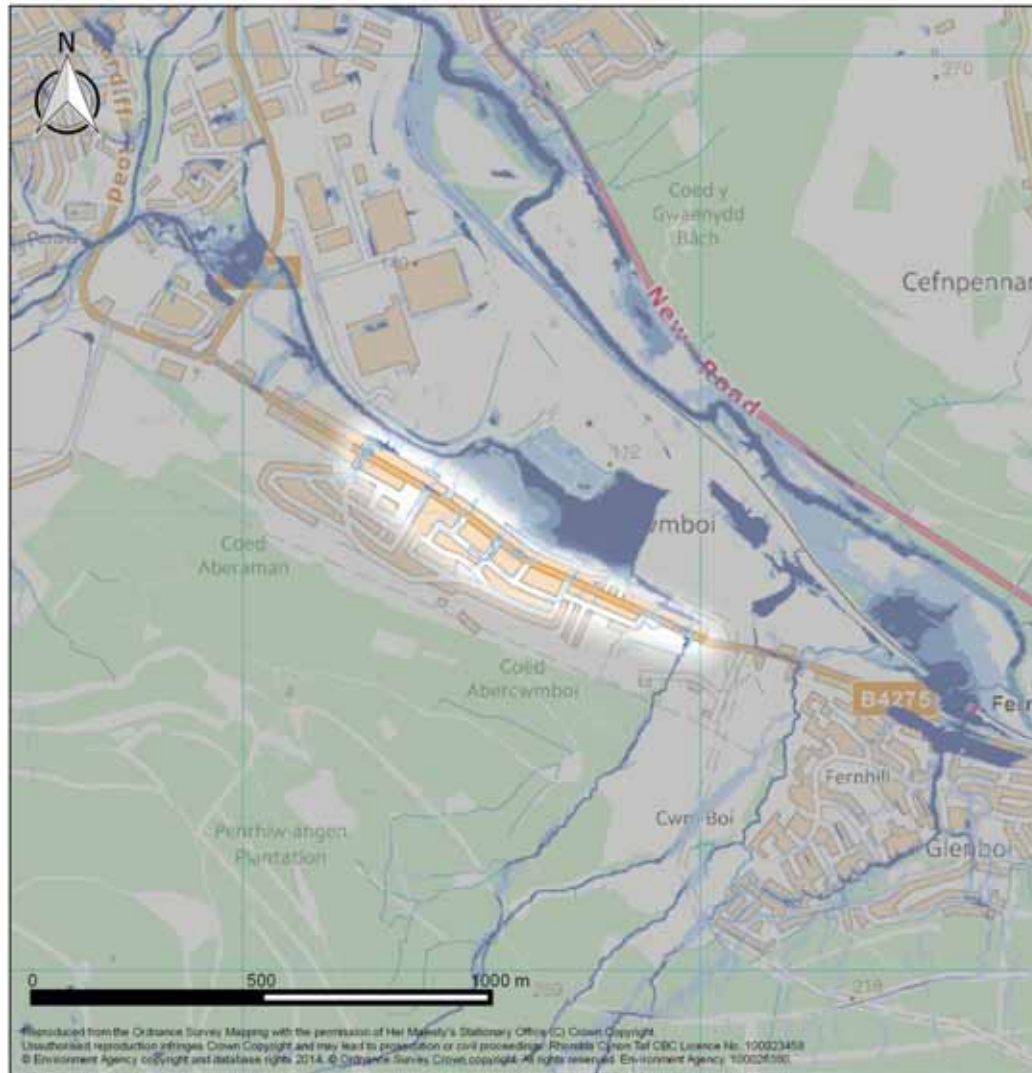
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0008

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	846	0	7	96
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	28	1	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	10			

Flood Risk Management Plan Measures for RCT0008

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0008	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0008



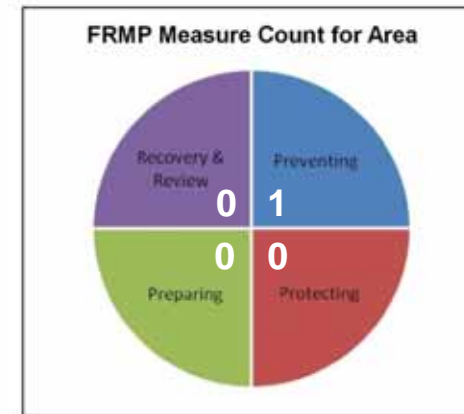
RCT0008

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0009

Flood Investigation Area RCT0009 is situated within the community area of Abercynon and the flood risk presented within the uFMfSW is considered to be sourced from a culvert inlet. A low to high risk is noted in the area surrounding Nant Y Fedw.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation with reported external flooding incidents to property and the uFMfSW and there is a poor correlation between recorded flooding incidents to the highway and the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

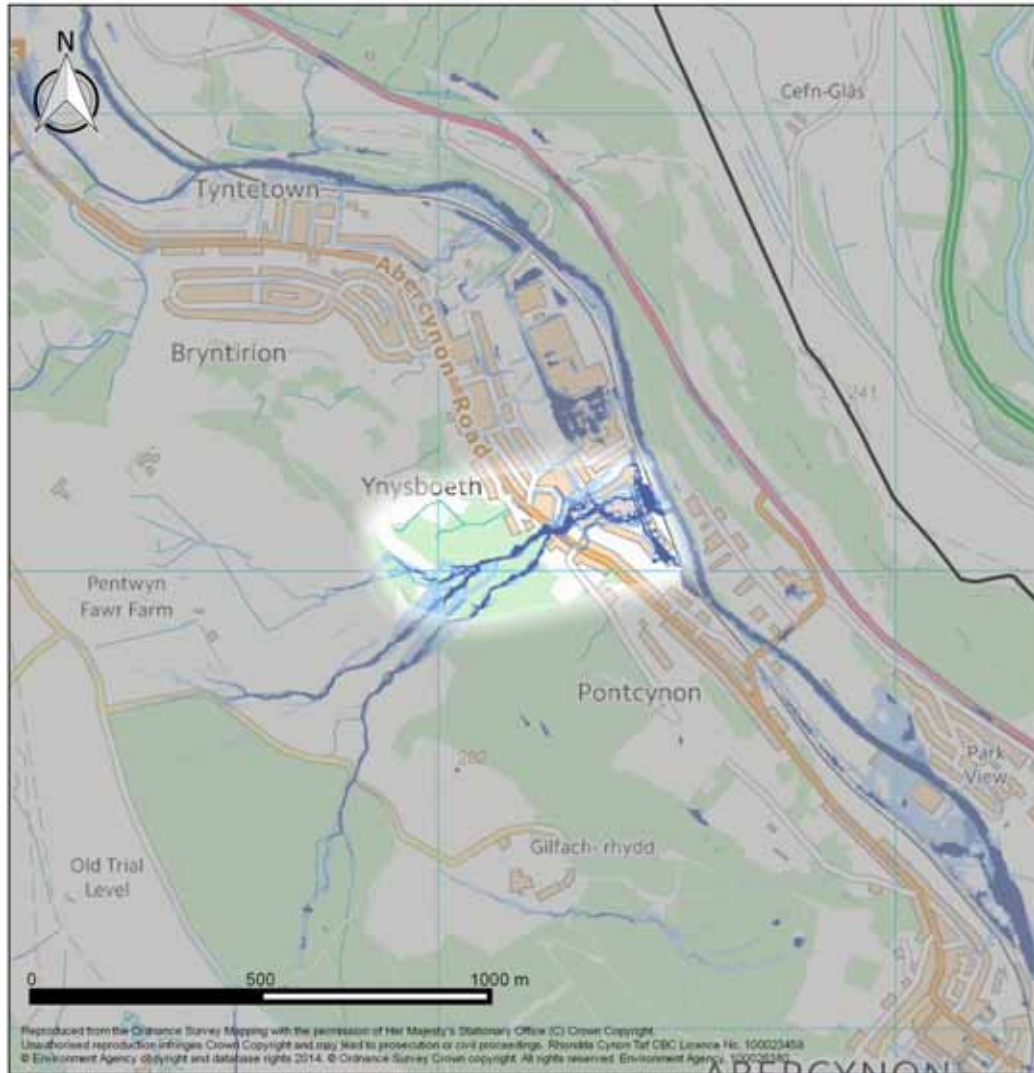
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0009

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	872	130	35	136
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	40	7	2	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.2	0.05	0.03	0.01
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	1	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	1			

Flood Risk Management Plan Measures for RCT0009

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0009	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Ongoing	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Completed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0009



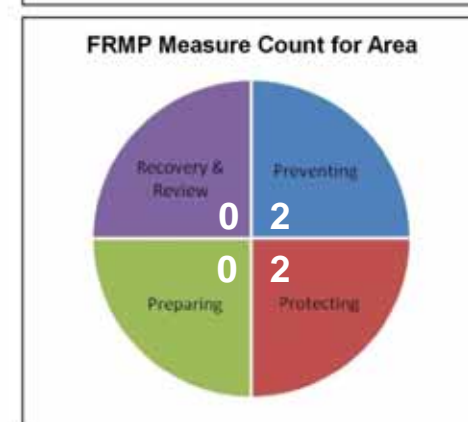
RCT0009

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0010

Flood Investigation Area RCT0010 is situated within the community area of Abercynon and the flood risk is considered to be sourced from surface runoff. An area of high risk is noted in the south of the Flood Investigation Area, surrounding Station Road, anticipated to be due to ponding adjacent to the railway embankment.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flooding incidents to the highway and the risk presented within the uFMfSW. The two reported incidents of internal flooding show a reasonable correlation with areas of potential flood risk.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

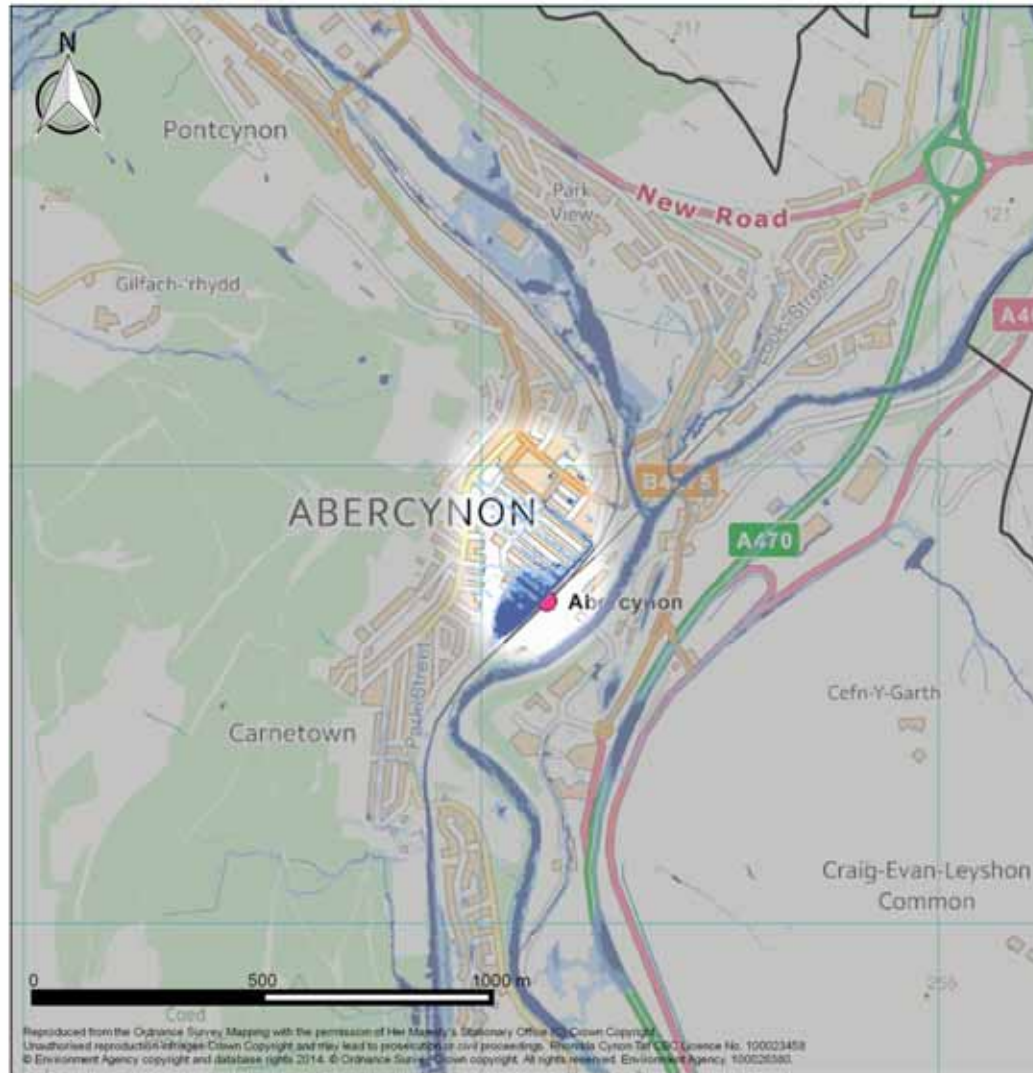
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0010

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	947	89	40	176
Services	4	2	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	56	6	2	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.5	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	1			
Highway	10			

Flood Risk Management Plan Measures for RCT0010

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0010	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0010



RCT0010

Legend

- RCTBoundary
- Flood Investigation Area
- Flooding Risk**
- High
- Medium
- Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0011

Flood Investigation Area RCT0011 is situated within the community area of Abercynon. The flood risk presented within the uFMfSW is considered to be attributed to local sources of flood risk. A low to high risk is noted in the area of Lock Street and the lower section of Glancynon Terrace.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

No flood incidents identified within the area relate to property flooding; however, there is a good correlation between recorded flooding to the highway and flood incident reports.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

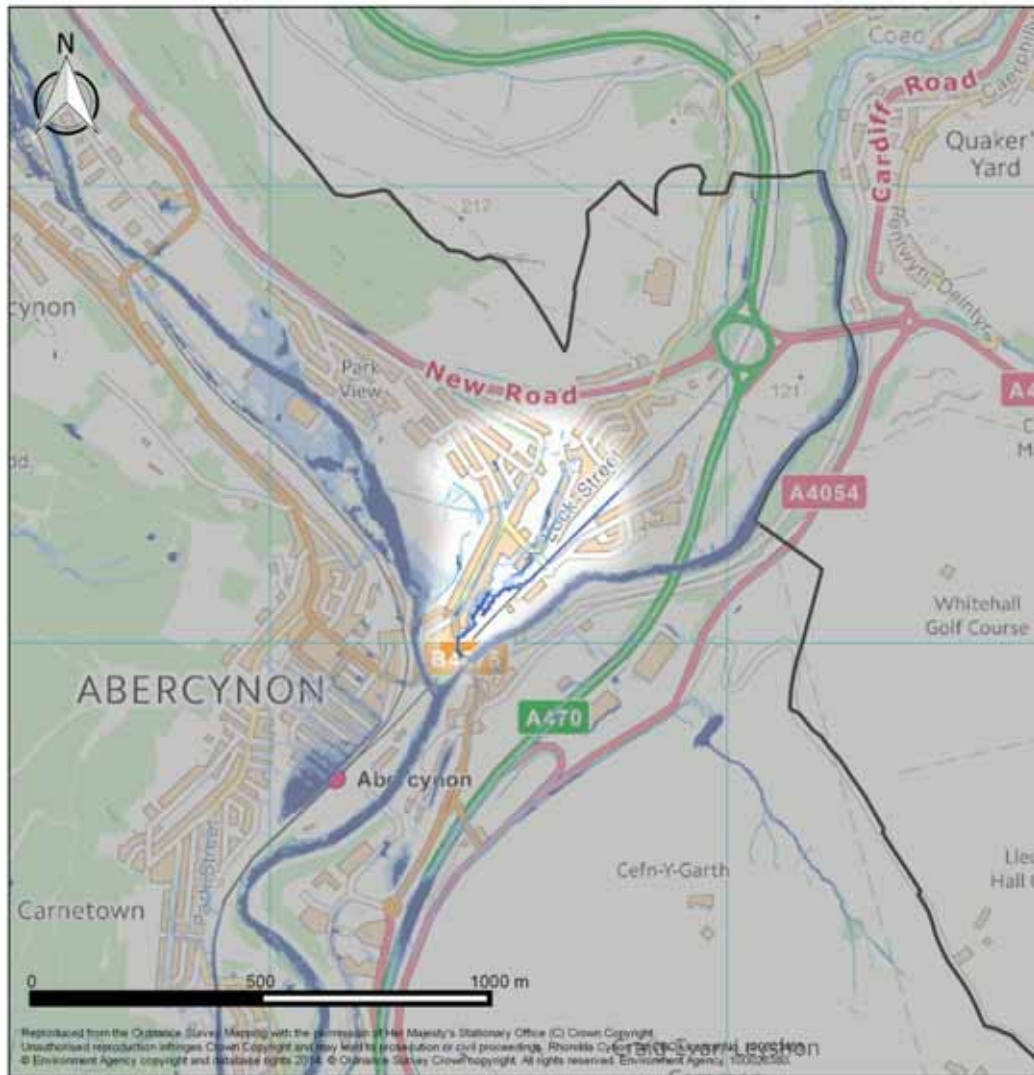
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0011

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	895	9	21	89
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	56	1	4	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.08	0.08	0.08
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	1	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	3			

Flood Risk Management Plan Measures for RCT0011

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0011	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0011



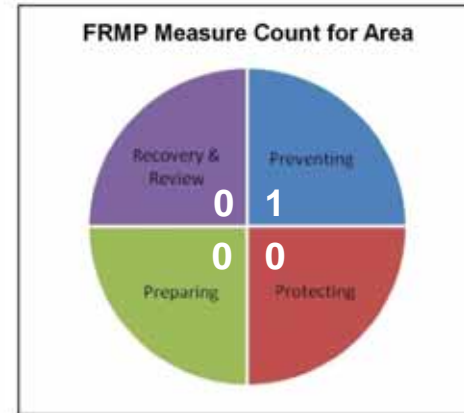
RCT0011

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0012

Flood Investigation Area RCT0012 is situated within both Aberdare West/Llwydcoed and Aberdare East and is considered to be sourced from an ordinary watercourse, notably the culvert inlets within the area. A risk is present in the Gadlys area of Aberdare.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between recorded flooding to the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

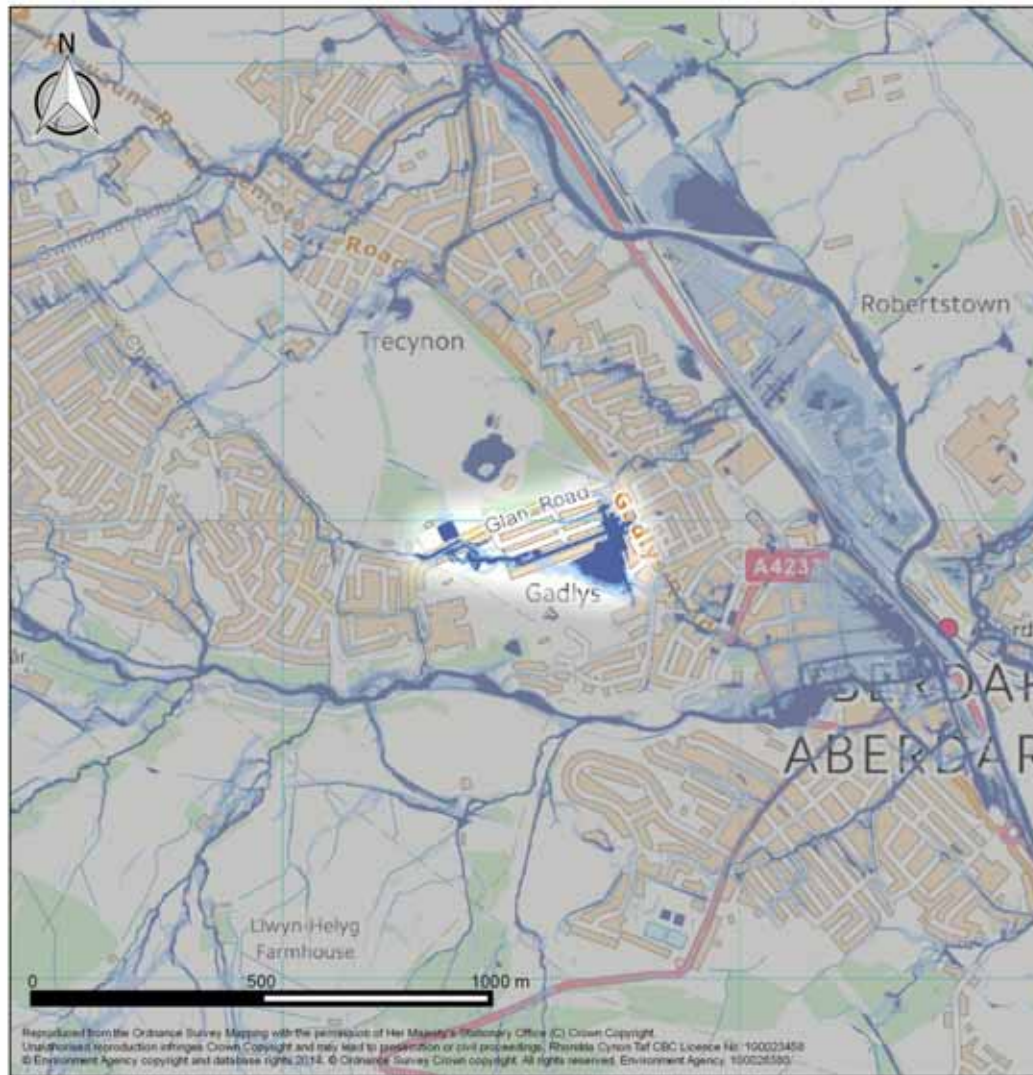
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0012

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	644	141	24	71
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	17	2	1	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	1	0.1	0.007	0.05
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	1			
Highway	7			

Flood Risk Management Plan Measures for RCT0012

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0012	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0012



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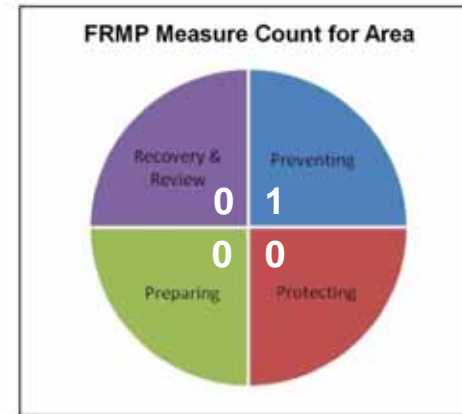
RCT0012

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0013

Flood Investigation Area RCT0013 is situated within the community area of Aberdare East and the flood risk is considered to be contributed to local sources of flood risk and main river flooding, notably the Dare River culvert inlet adjacent to High Street. Additional flood risk from an unnamed watercourse is posed to Gloucester Street. A surface water flood risk is also posed to the northwest and south of the flood investigation area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between flooding incidents to internal property and to the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0013

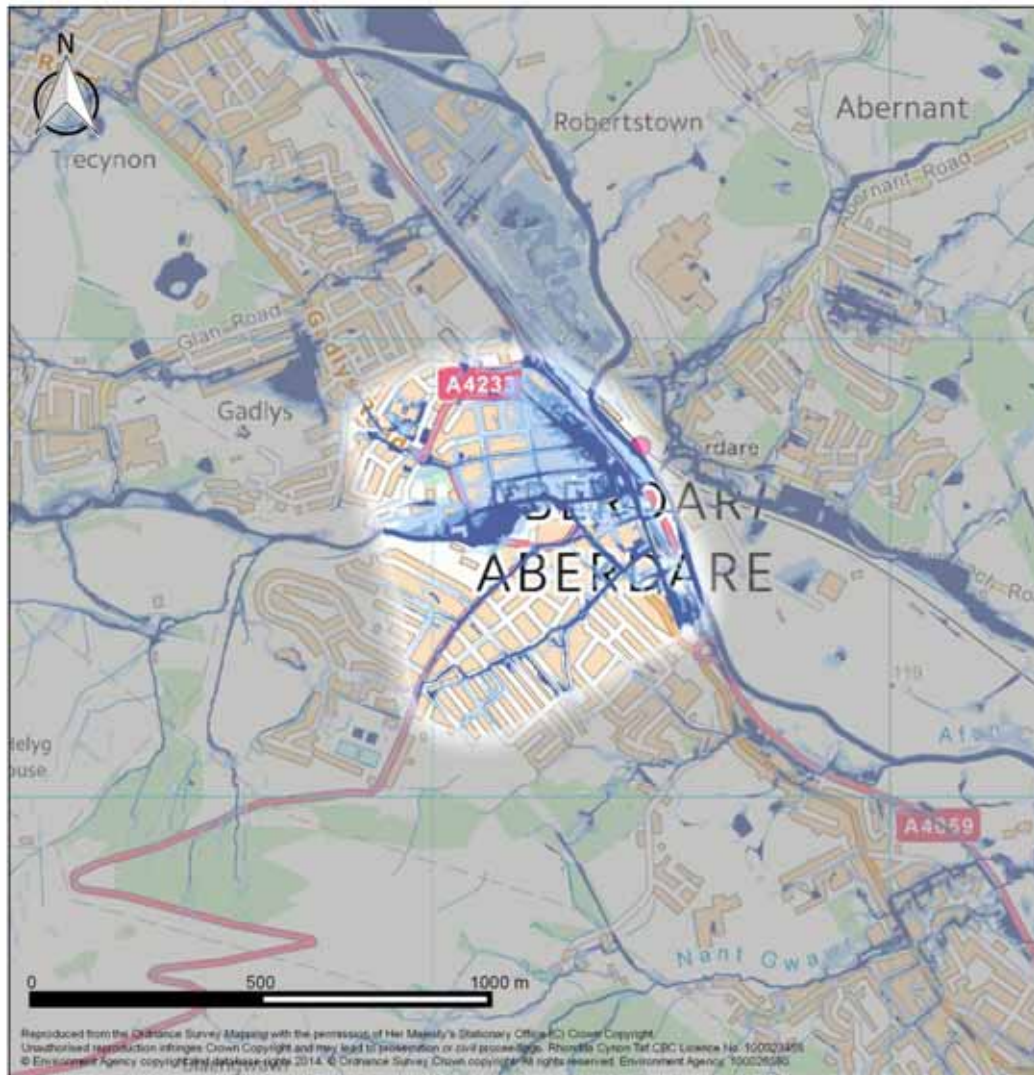
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	3389	259	348	590
Services	8	1	1	3
ECONOMIC ACTIVITY				
Non Residential Properties	424	151	62	74
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.2	0.02	0	0.07
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	37	3	2	12
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	5			
External	7			
Highway	20			

Flood Risk Management Plan Measures for RCT0013

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0013	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0013



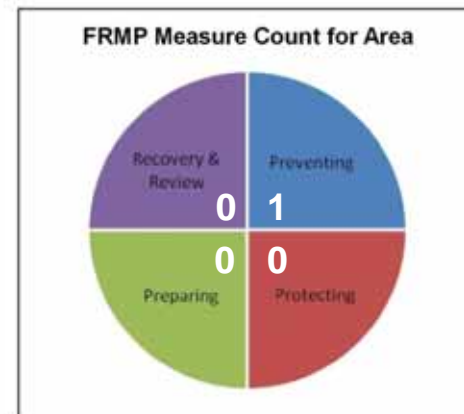
RCT0013

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0014

Flood Investigation Area RCT0014 is situated within the community area of Aberdare East. The flood risk is considered to be sourced from breaching of the banks of the Nant y Wenallt and culverts of unnamed watercourses. The flood risk observed in the area of Wenallt Road is considered to have a contribution from surface runoff flows observed from the northeast of the flood investigation area. A low to high risk is identified across residential areas off Abernant Road and Cwmbach Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between recorded flooding to the highway and flood incident reports.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

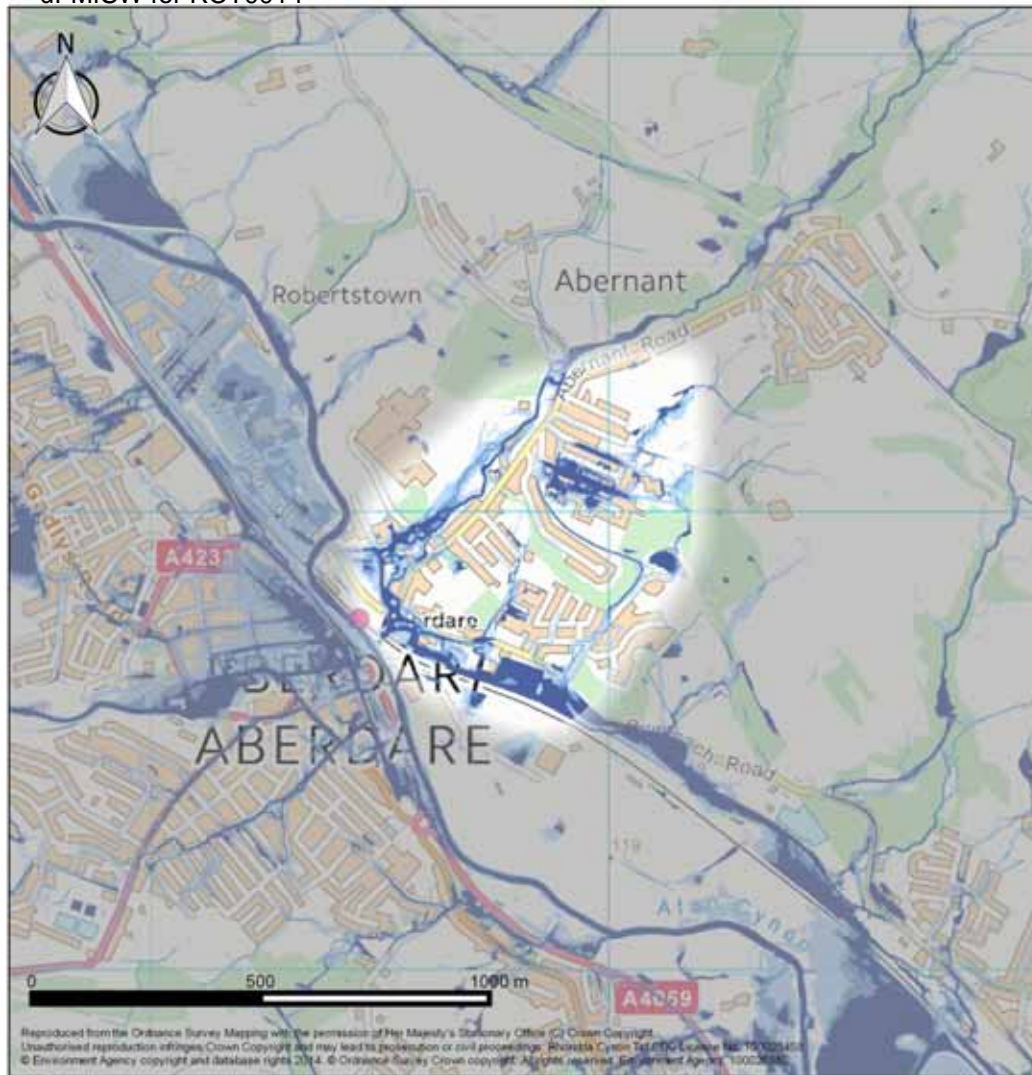
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0014

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1050	150	42	188
Services	2	0	1	0
ECONOMIC ACTIVITY				
Non Residential Properties	82	11	9	12
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.4	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	2			
Highway	9			

Flood Risk Management Plan Measures for RCT0014



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0014	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0014






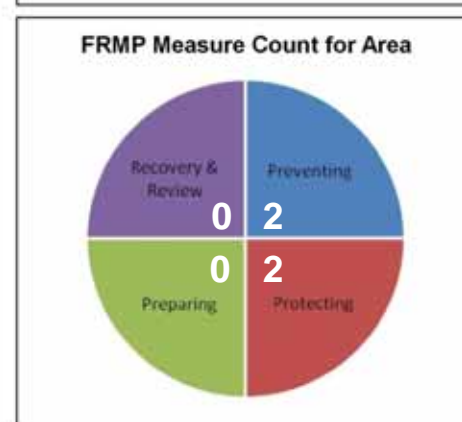
RCT0014

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0015

Flood Investigation Area RCT0015 is situated within Aberdare West/Llwydcoed and is considered to be sourced from the Nant y Gwyddel, other unnamed ordinary watercourses and surface runoff. The flood risk posed to this flood investigation area is sporadic and also associated with the areas to the north of the railway line in the south of the area, dissecting the site east-west. Sections of the road network at risk of flooding are along Llwydcoed Road and Merthyr Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are few internal property flooding incidents within the flood investigation area and these do not correlate with the risk posed by the uFMfSW; however, there is a good correlation between flood risk presented within the uFMfSW and reported flooding to the highway.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

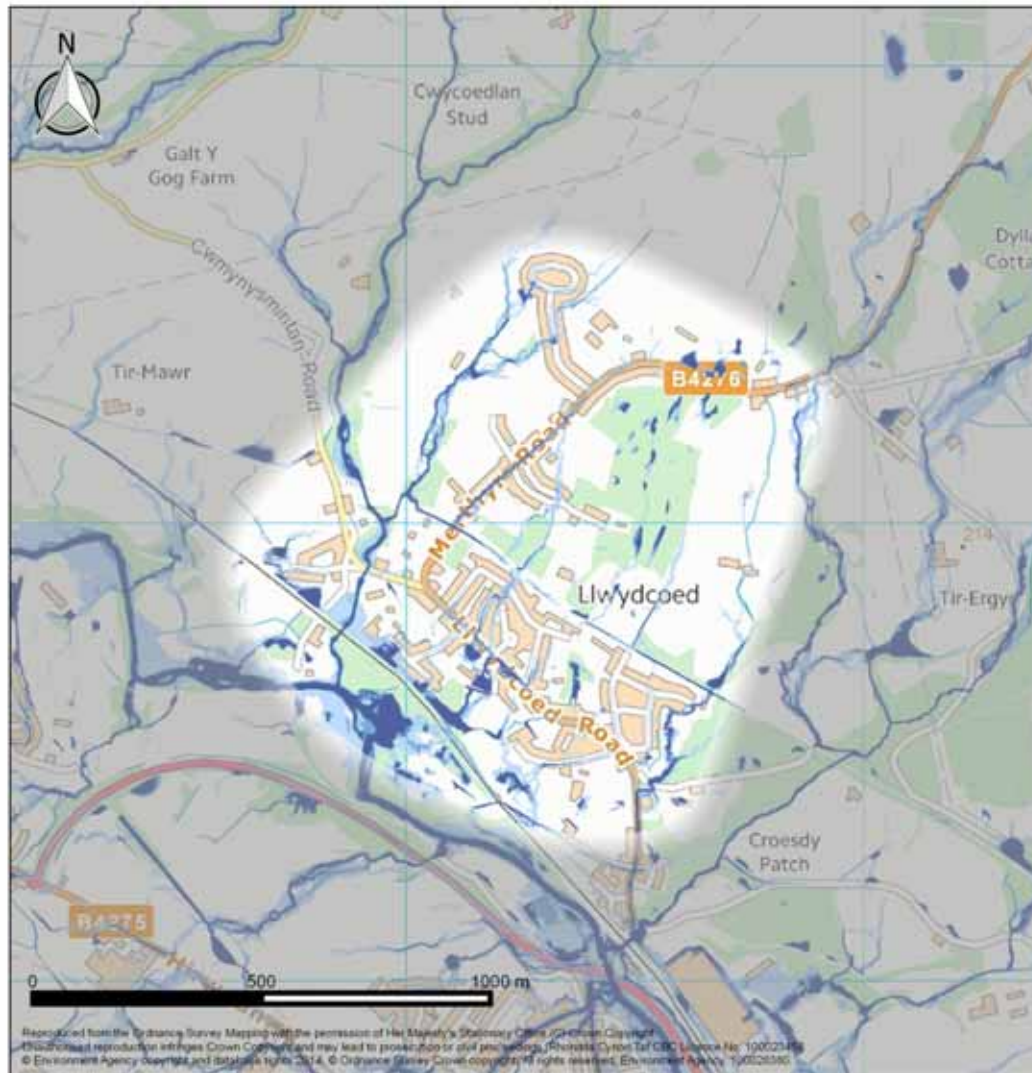
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0015

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1297	9	40	75
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	130	2	1	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.01	0.003	0.05
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	3	1	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	10			
Highway	12			

Flood Risk Management Plan Measures for RCT0015



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0015	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0015






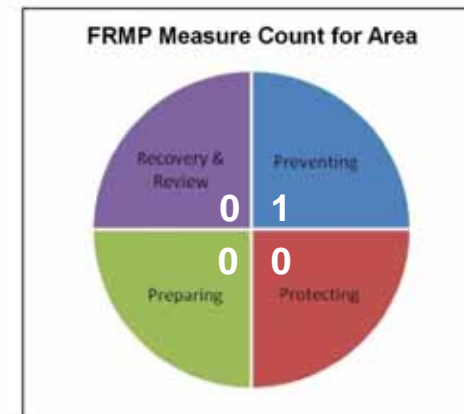
RCT0015

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0016

Flood Investigation Area RCT0016 is situated within the community areas of Aberdare West/Llwydcoed and Aberdare East. The flood risk is considered to be sourced from surface runoff and an interaction with the Afon Cynon (Main River). To the east of the railway, flood risk is anticipated to be a combination of local sources and Main River flooding with a low risk posed to a widespread area (Aberdare Business Park). A low to high risk of flooding is posed to the area of Robertstown. To the west of the railway, the flood risk is posed around the areas of Broniestyn Terrace and Tudor Terrace and is considered to be sourced from surface runoff.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between historic flood incidents to property and highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0016

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1048	176	80	256
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	71	6	3	25
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.02	0.08	0.3
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	3	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	6			
Highway	5			

Flood Risk Management Plan Measures for RCT0016

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0016	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

Flood Investigation Area - RCT0017

Flood Investigation Area RCT0017 is situated within the community area of Aberdare West/Llwydcoed and the flood risk is considered to be a combination of flooding from culvert inlets within the Cwm Sian and surface runoff. A low to high risk is broadly correlated along the length of the Cwm Sian. An area of high risk to the east of Aberdare High School is also noted, anticipated to be sourced from surface runoff.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flooding incidents to internal and external property and the risk presented within the uFMfSW. An excellent correlation is presented between the uFMfSW and reported flooding to the highway.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

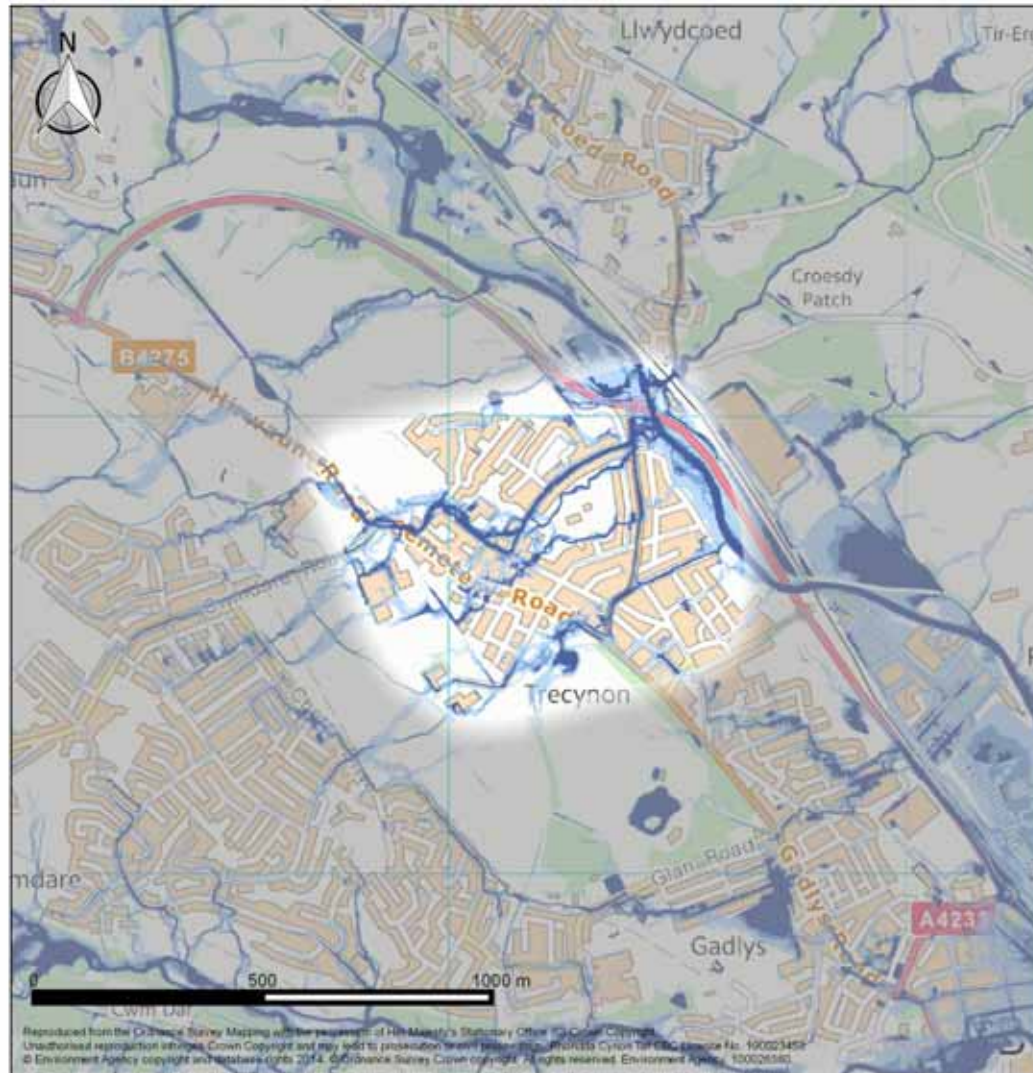
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0017

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2460	75	96	428
Services	3	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	145	9	8	17
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.1	0.09	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	1	0.2	0.2	0.7
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	10	1	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	10			
Highway	15			

Flood Risk Management Plan Measures for RCT0017

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0017	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0017



RCT0017

Legend

- RCTBoundary
- Flood Investigation Area
- Flooding Risk**
- High
- Medium
- Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0018

Flood Investigation Area RCT0018 is situated within Aberdare West/Llwydcoed and is considered to be sourced from surface runoff. A low to high is presented to the highway network and surrounding areas, particularly along Cwmdare Road and Cherry Drive.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between property flooding incidents reported to the authority and the risk presented within the uFMfSW. The reported flooding incidents to highways have a good correlation with the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

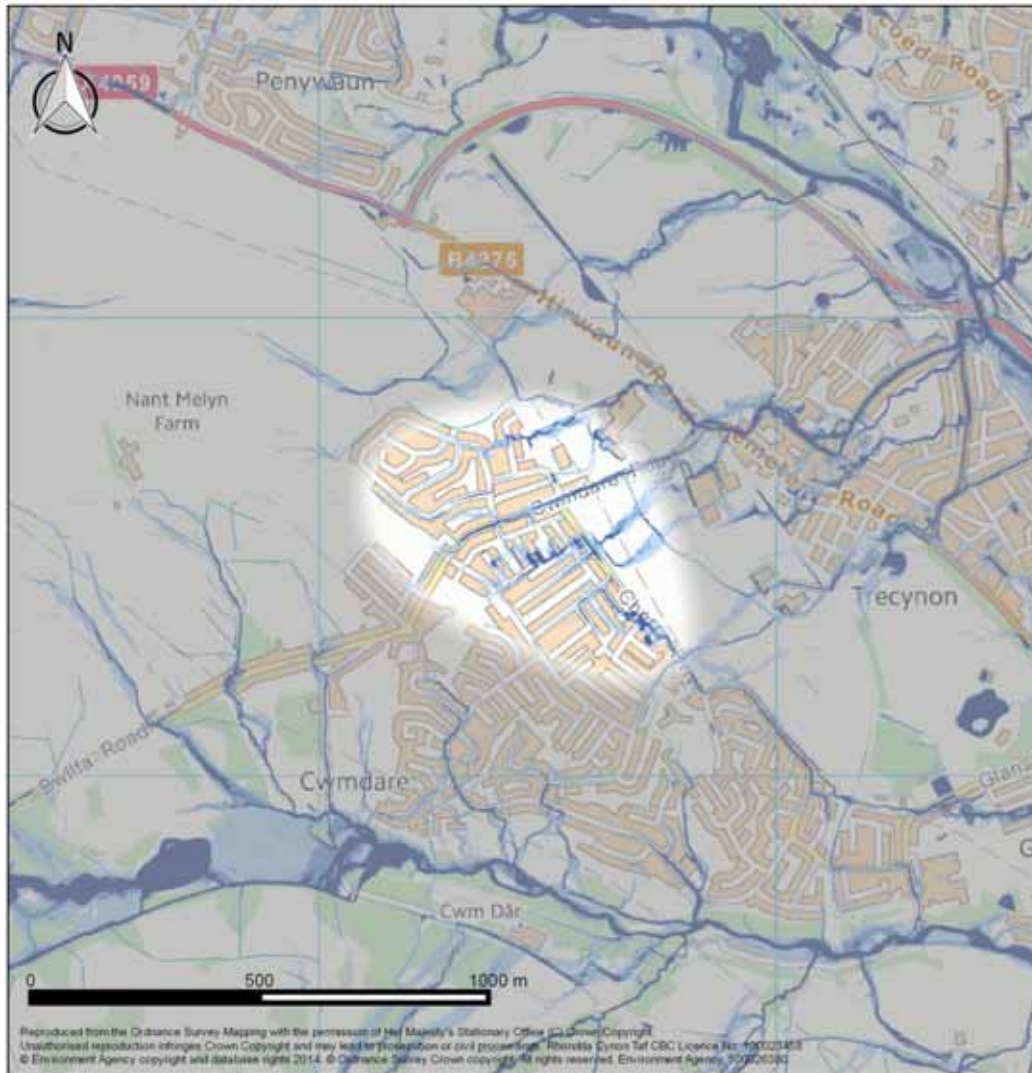
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0018

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1502	14	28	153
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	21	1	1	0
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	4			
Highway	5			

Flood Risk Management Plan Measures for RCT0018



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0018	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0018






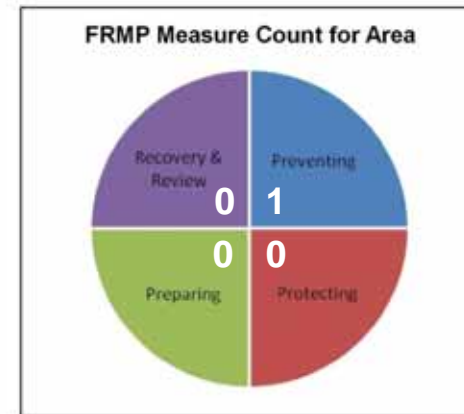
RCT0018

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0019

Flood Investigation Area RCT0019 is situated within the community area of Aberdare West/Llwydcoed and the flood risk is considered to be sourced predominantly from surface runoff. A potential contribution from culvert inlets within ordinary watercourses is noted in the south of the Flood Investigation Area. A low to high is presented to the highway network, particularly along The Ridings and Bryn Derwen.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a fair correlation between reported flooding to external property and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

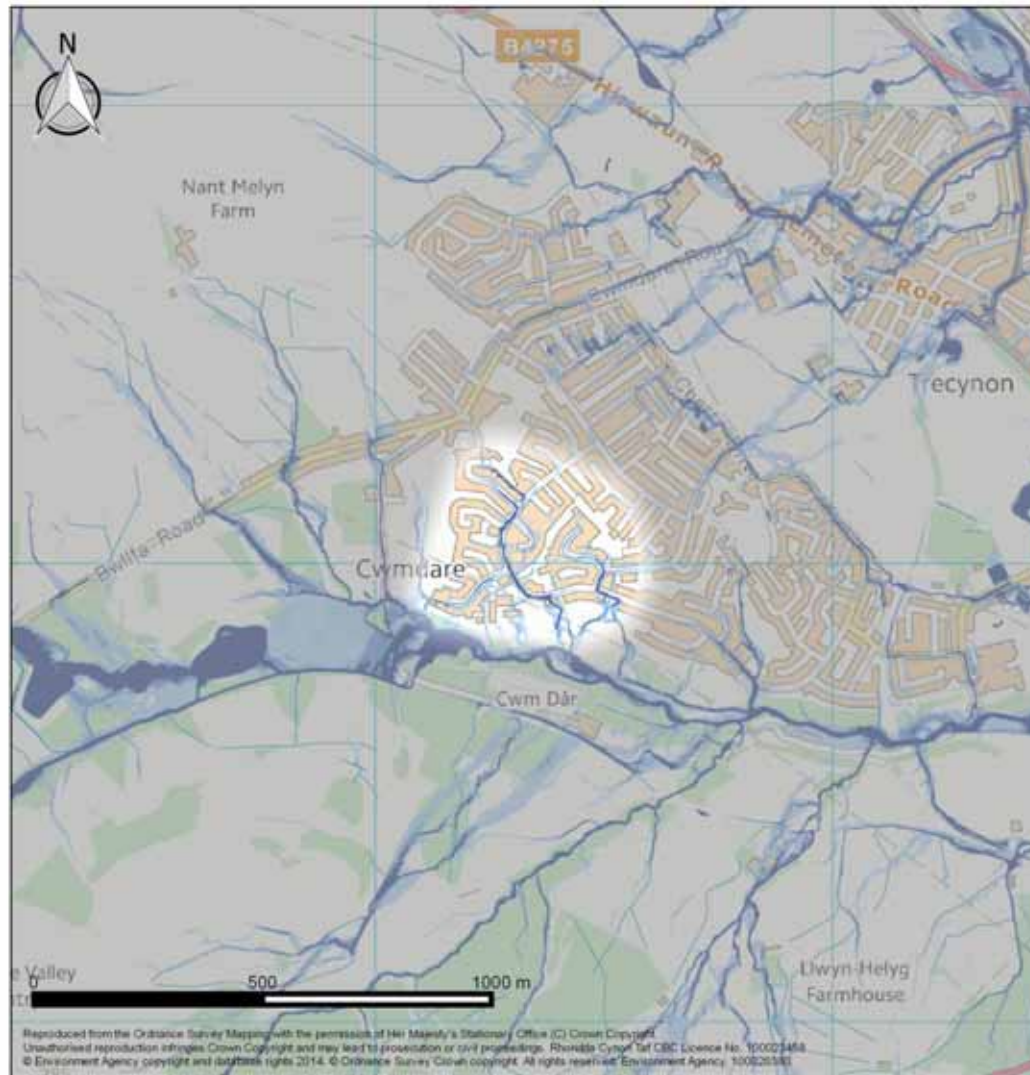
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0019

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1140	12	33	118
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	77	1	0	6
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	1	0	0
Licensed Abstractions	2	2	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	0			

Flood Risk Management Plan Measures for RCT0019

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0019	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0019



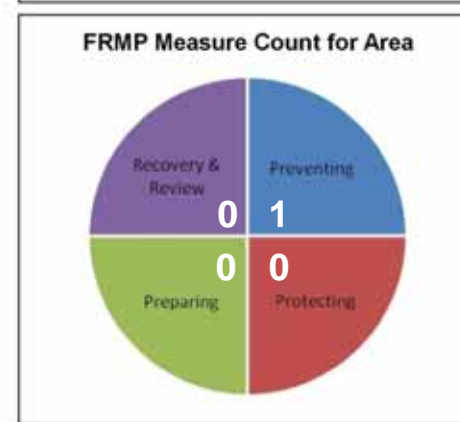
RCT0019

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0020

Flood Investigation Area RCT0020 is situated within the community area of Beddau. The flood risk is considered to be sourced from surface runoff. A low to high risk of flooding is posed to areas surrounding Heol Gelynog and Heol Ap Pryce and also adjacent to Heol Seward, such as Heol Ddeusant and Heol Y Coed.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between flooding incidents to external property reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

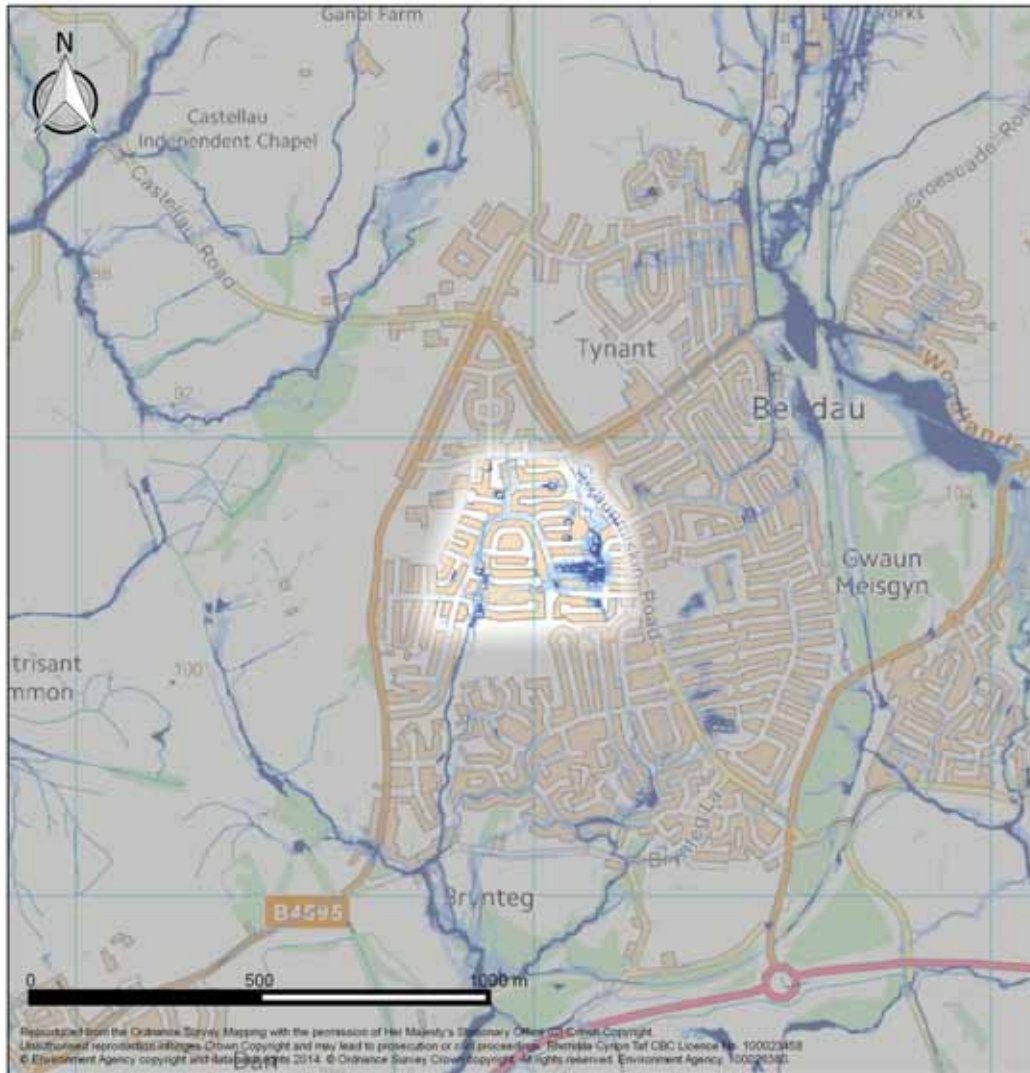
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0020

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	819	68	45	108
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	33	0	1	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	0			

Flood Risk Management Plan Measures for RCT0020

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0020	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0020



RCT0020

Legend

-  RCTBoundary
-  Flood Investigation Area
- Flooding Risk**
-  High
-  Medium
-  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0021

Flood Investigation Area RCT0021 is situated within the community area of Brynna and the flood risk is likely to be surface runoff. Whilst a low to high risk is associated with the highway network, the area surrounding Trenos Gardens is at a low to high risk from local sources of flooding. A low to high flood risk is noted at Bryncae Industrial Estate.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The one instance of flooding to external property in the area is not consistent with the risk presented within the uFMfSW; however, there is good correlation with the reported flooding to highways and the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

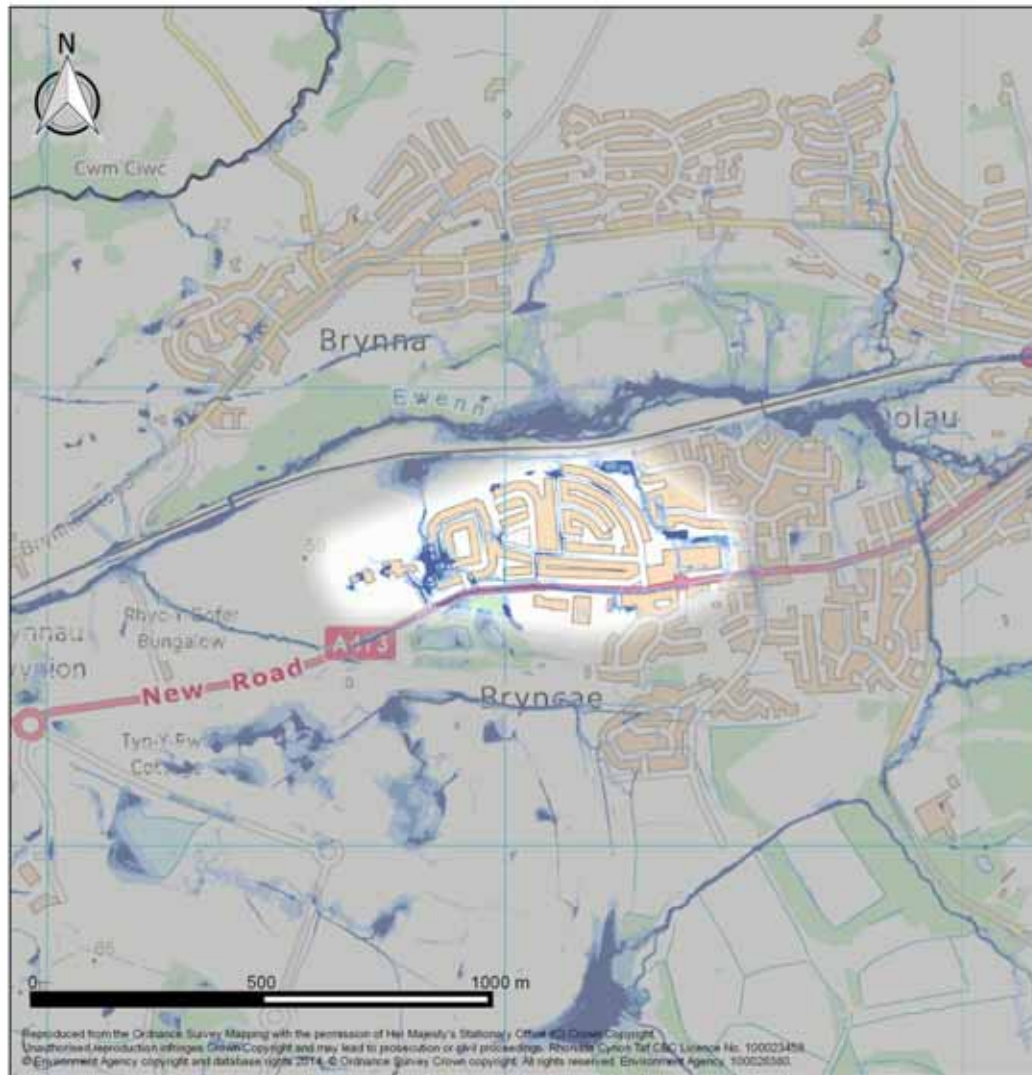
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0021

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	761	28	5	52
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	51	3	1	10
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	2			

Flood Risk Management Plan Measures for RCT0021

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0021	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0021



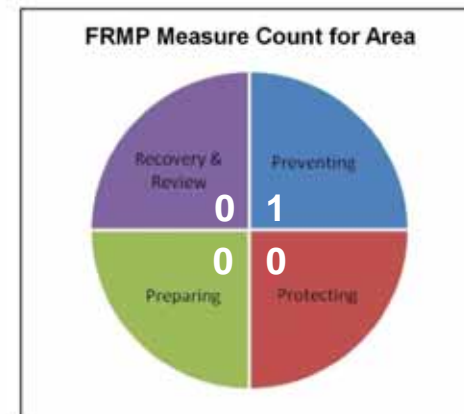
RCT0021

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0022

Flood Investigation Area RCT0022 is situated within the community area of Brynna and the flood risk is considered to be sourced from surface runoff. A risk of surface water flooding is posed to the highways network, notably Williams Street, Southall Street and Gellifedi Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The recorded incidents of external and internal flooding to property within the flood investigation area are not consistent with the uFMfSW; however, there is a good correlation between risk posed to the highway within the uFMfSW and historic flood incident reports.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

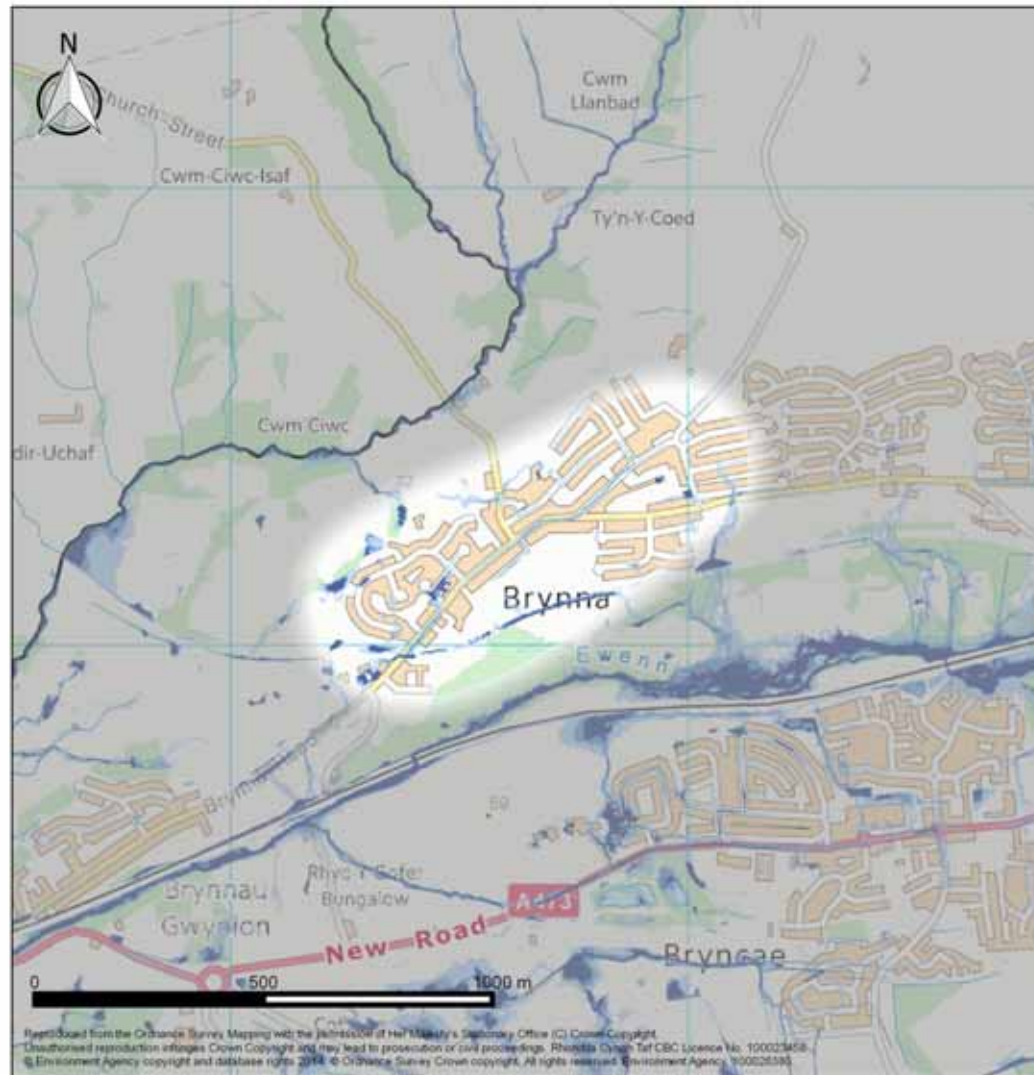
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0022

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	848	7	5	26
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	55	0	1	5
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	3			
Highway	9			

Flood Risk Management Plan Measures for RCT0022

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0022	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uMfSW for RCT0022



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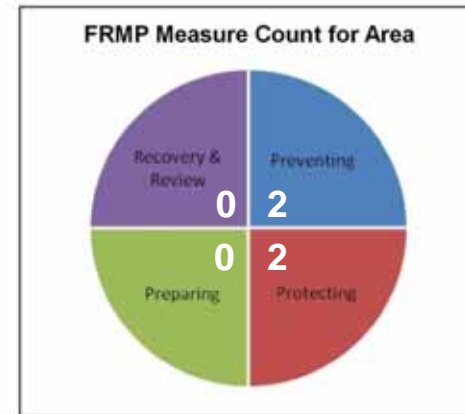
RCT0022

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0023

Flood Investigation Area RCT0023 is situated within the community areas of Church Village and Llantwit Fardre. The flood risk is considered to be sourced from surface runoff, notably posing a risk to the highway network along Meadow Hill and Pen-Yr-Eglwys.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Only one instance of reported external flooding has been reported to the authority historically and this is not consistent with the risk posed by the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

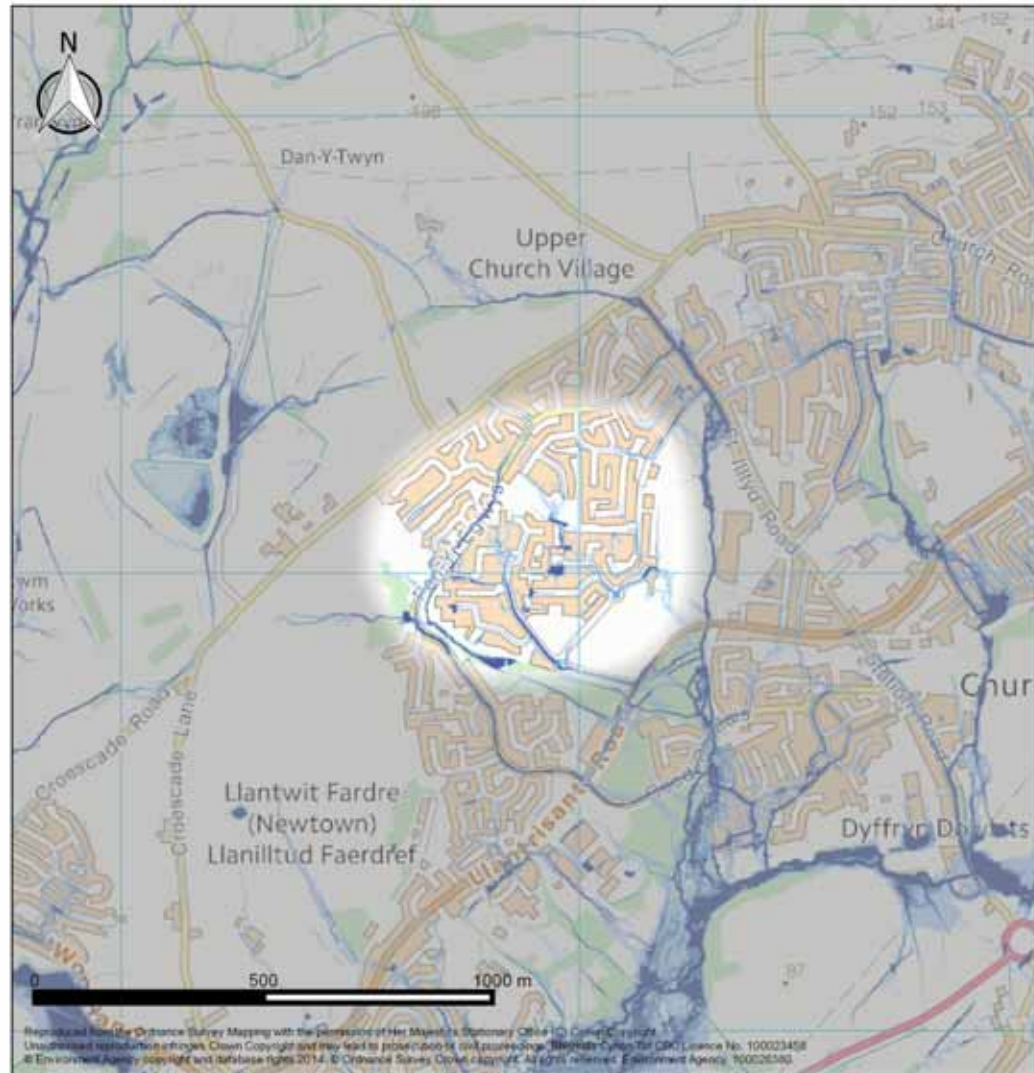
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0023

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1513	2	19	106
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	54	0	2	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	1			

Flood Risk Management Plan Measures for RCT0023

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0023	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0023



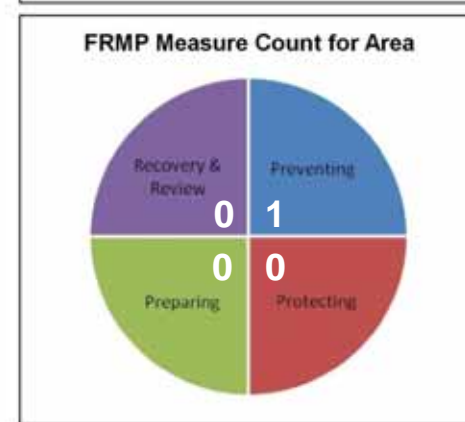
RCT0023

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0024

Flood Investigation Area RCT0024 is situated within Church Village and Llantwit Fardre and is likely to be sourced from a combination of ordinary watercourse and surface runoff with the most significant risk noted to the east of the Nant Ty-crywn and an unnamed watercourse. This flood risk is anticipated to be associated with the capacity of the watercourses in the flood investigation area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Internal flooding incidents reported to the authority are noted to be fairly consistent with the flood risk posed by the uFMfSW with regard to those areas at risk from surface runoff.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

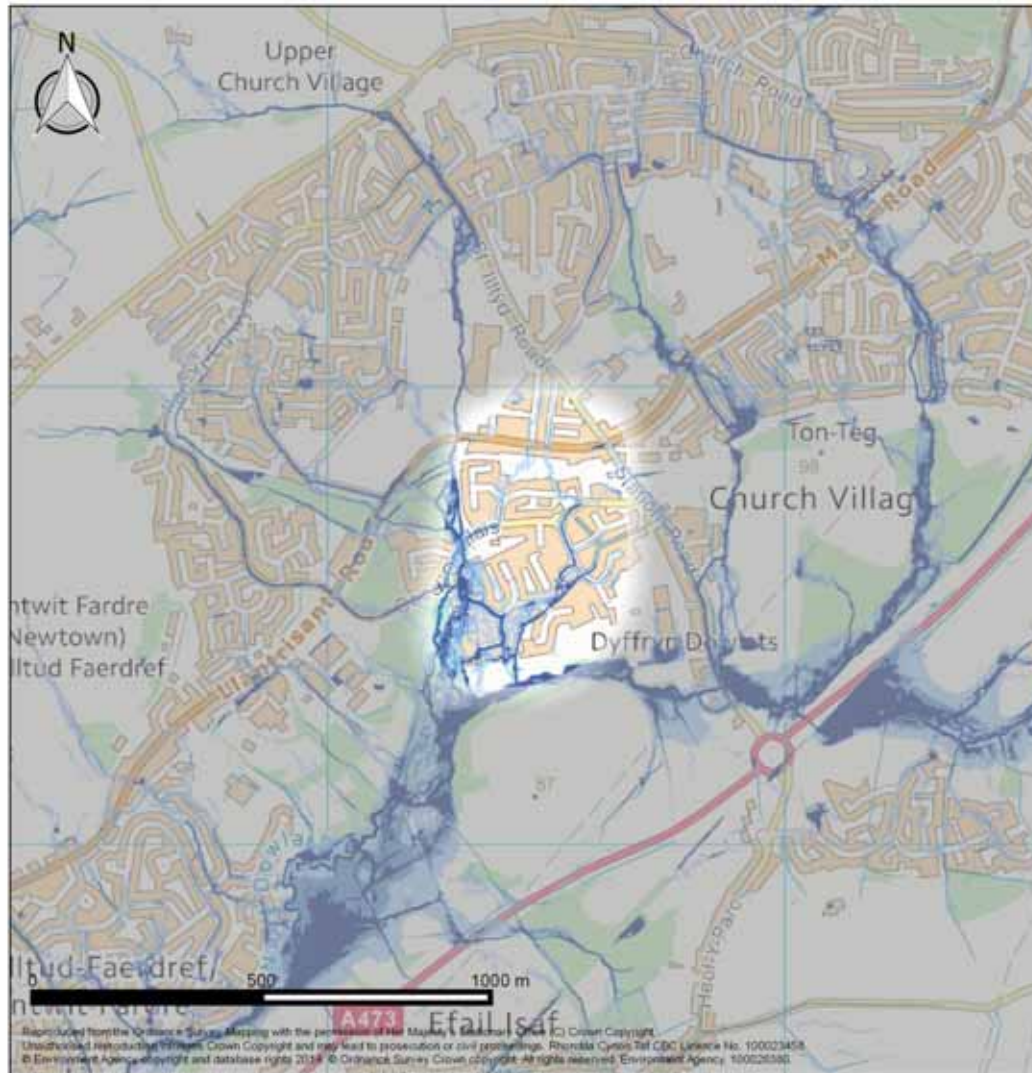
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0024

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1001	19	52	148
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	78	2	1	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	2			
Highway	1			

Flood Risk Management Plan Measures for RCT0024

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0024	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0024



RCT0024

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0025

Flood Investigation Area RCT0025 is situated within the community areas of Church Village and Tonteg. Flood risk posed to this investigation area is anticipated to be due to a culvert inlet of the Nant Y Arian where it is culverted under Main Road in the west of the area and surface runoff in the east, notably in the vicinity of Broomfield Close, Heol Mynydd and Heol Nant.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

A reasonable correlation exists between reported flood incidents to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

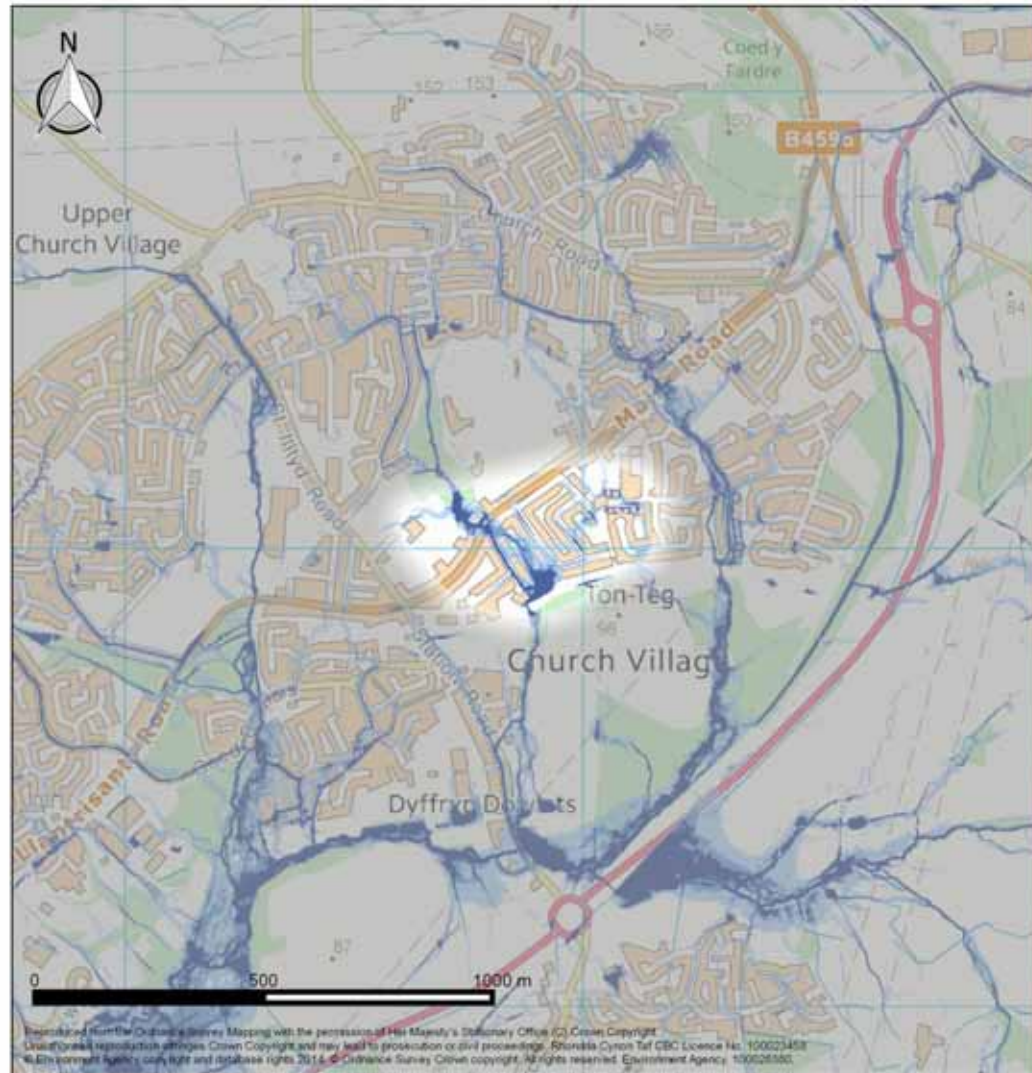
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0025

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	606	33	49	103
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	33	2	0	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	3			
Highway	0			

Flood Risk Management Plan Measures for RCT0025

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0025	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0025



RCT0025

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0026

Flood Investigation Area RCT0026 is situated within the community area of Cilfynydd and the flood risk is considered to be sourced from both ordinary watercourse and surface runoff. The highest risk is noted along wood Street and Cross Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

A reasonable correlation exists between reported flood incidents to the authority and the flood risk posed by the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

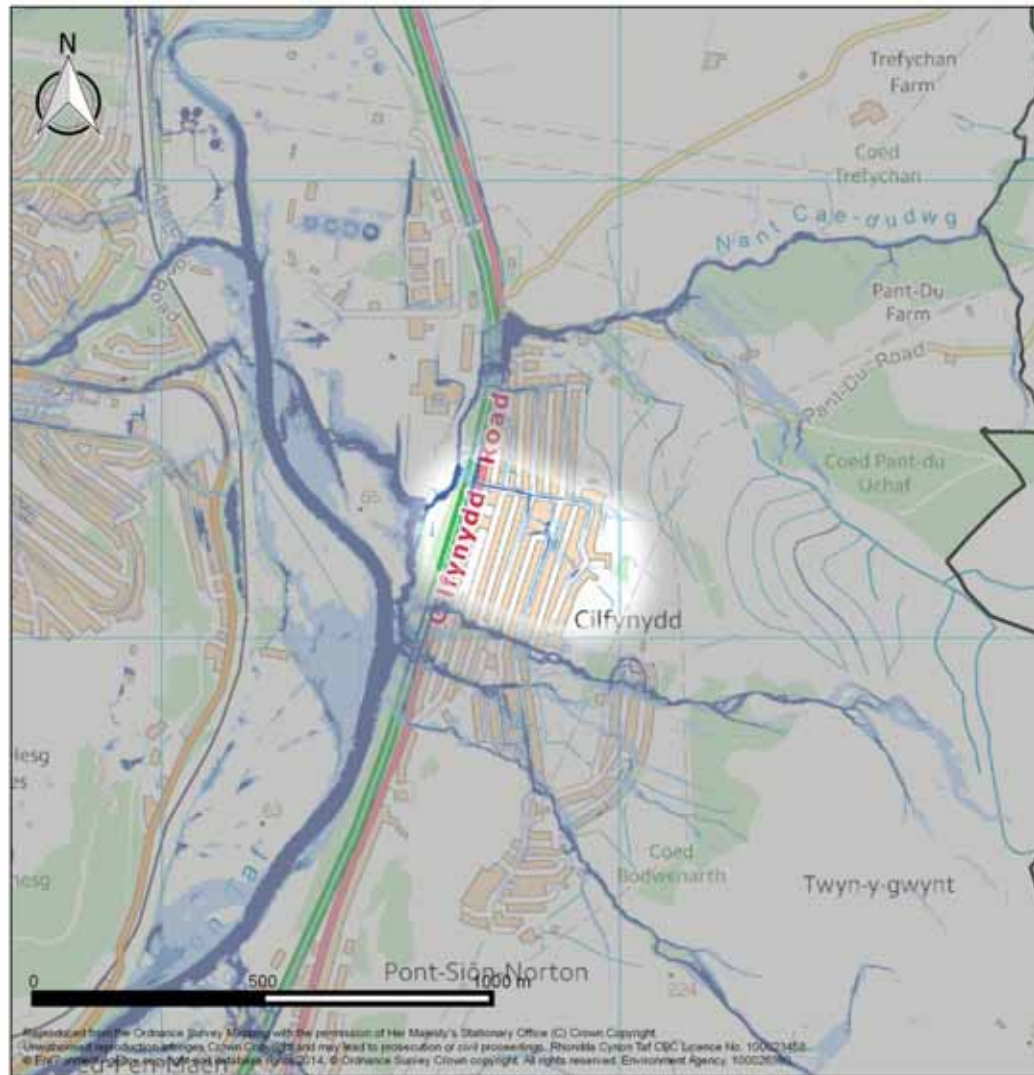
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0026

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1363	21	24	115
Services	2	0	0	2
ECONOMIC ACTIVITY				
Non Residential Properties	51	3	1	6
Airports	0	0	0	0
Roads (km)	1	0.1	0.1	0.5
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	1			
Highway	2			

Flood Risk Management Plan Measures for RCT0026

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0026	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0026



RCT0026

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0027

Flood Investigation Area RCT0027 is situated within Cilfynydd and is considered to be sourced from culvert inlets situated upon the three unnamed ordinary watercourses traversing the flood investigation area. Flood flow paths from the culvert inlets are to the northwest, posing a flood risk to areas downstream of the culvert inlets.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no historic internal flood events reported to the authority within the flood investigation area; however, reported external property flooding and flooding to the highway are broadly consistent with the risk posed within the uFMfSW. The reported flooding to external properties shows a reasonable correlation with the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

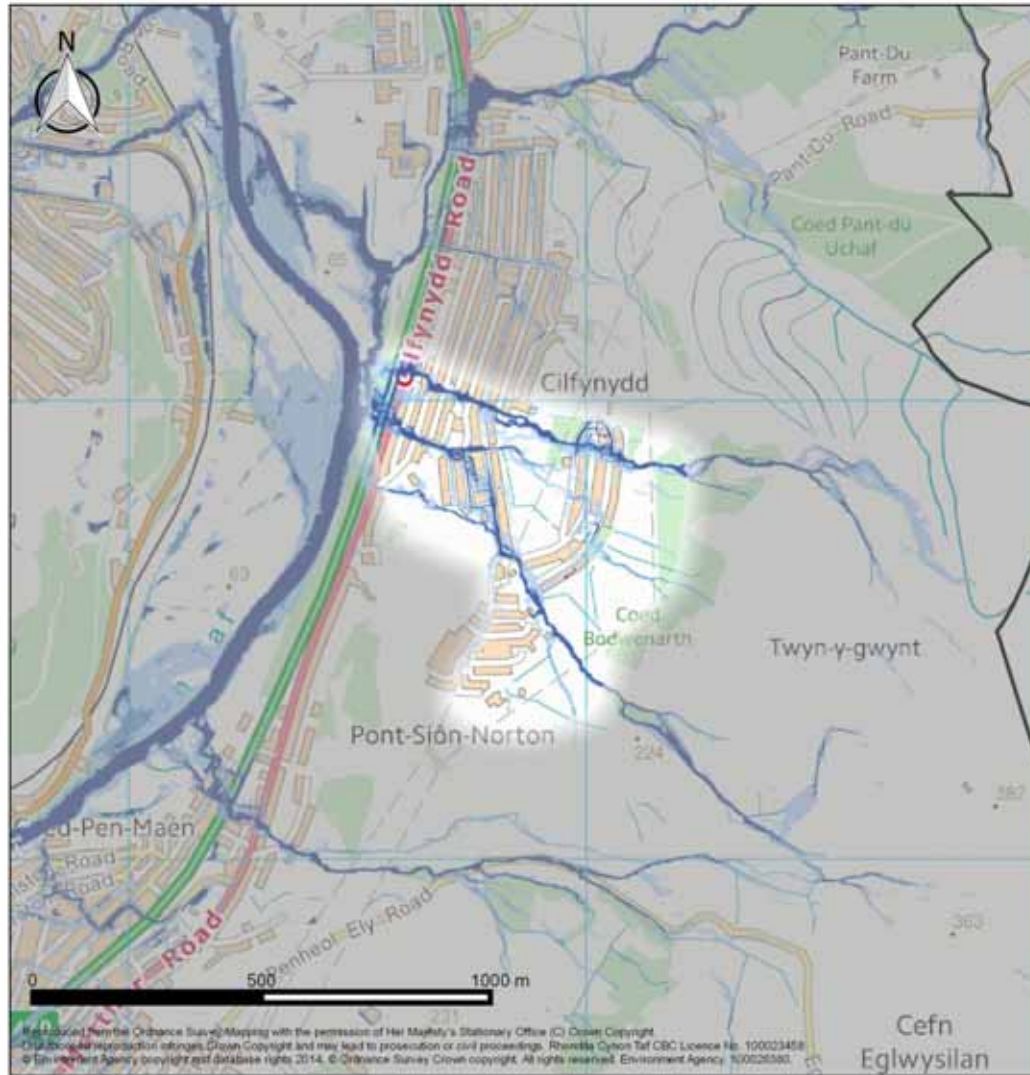
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0027

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	914	32	42	167
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	22	2	2	1
Airports	0	0	0	0
Roads (km)	0.4	0.1	0.03	0.3
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	3			

Flood Risk Management Plan Measures for RCT0027

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0027	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0027



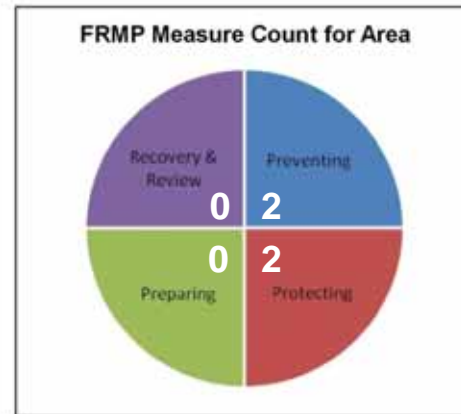
RCT0027

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0028

Flood Investigation Area RCT0028 is situated within the community area of Cwm Clydach and the flood risk is considered to be sourced from the culvert inlet of the Nant Caedafydd (main river) and surface water. The highest risk is posed to the area surrounding Clydach Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flooding incidents to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

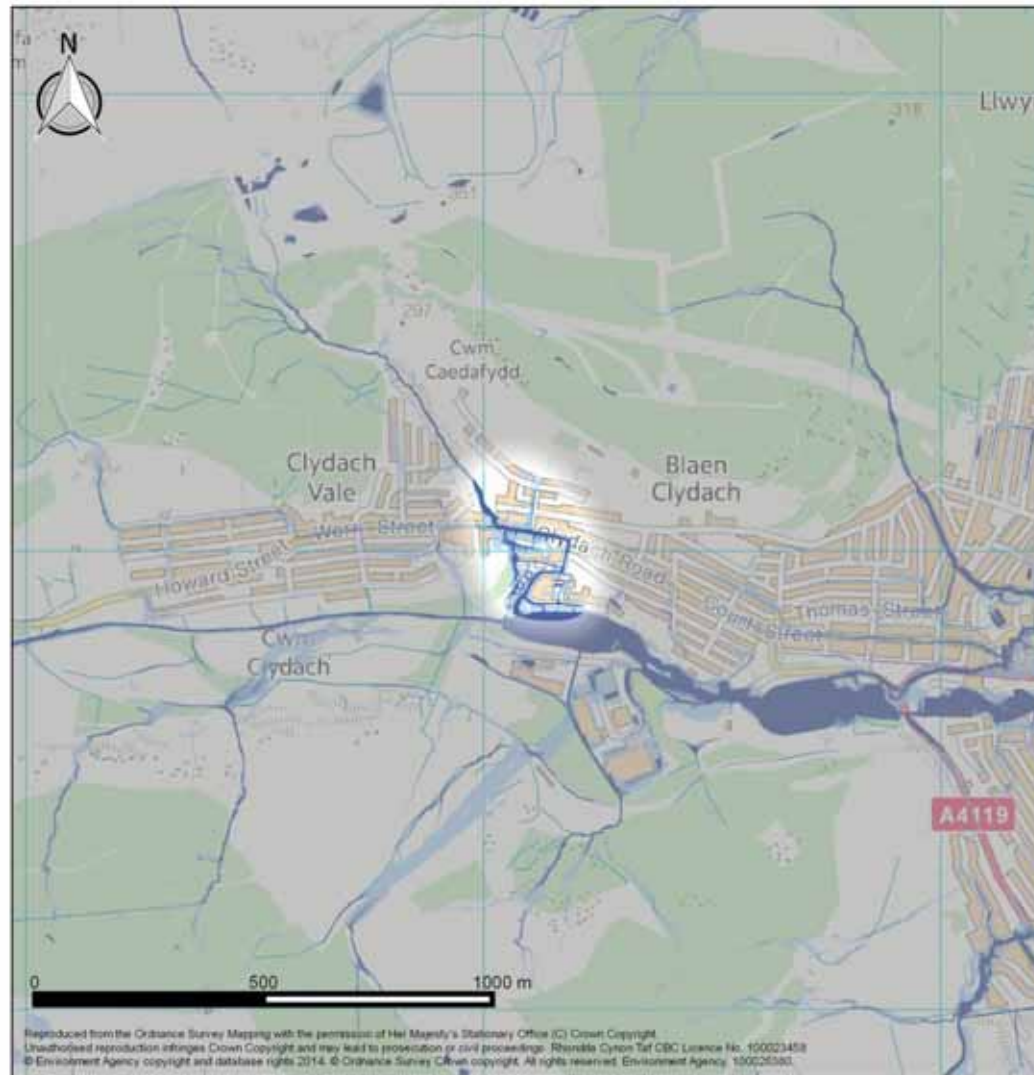
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0028

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	362	49	40	63
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	22	0	0	2
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	3			
Highway	8			

Flood Risk Management Plan Measures for RCT0028

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0028	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0028



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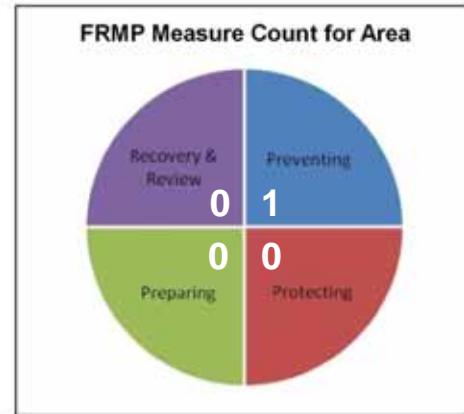
RCT0028

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0029

Flood Investigation Area RCT0029 is situated within the community area of Cwm Clydach and the flood risk is considered to be sourced from culvert inlets situated upon several unnamed watercourse, at the rear of the residential development. A low to high risk is noted along the length of Morton Terrace. In addition to this flood risk, surface runoff from the north of the flood investigation area is noted to contribute to the potential flood risk noted at Wern Street and High Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between historic flooding incidents reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

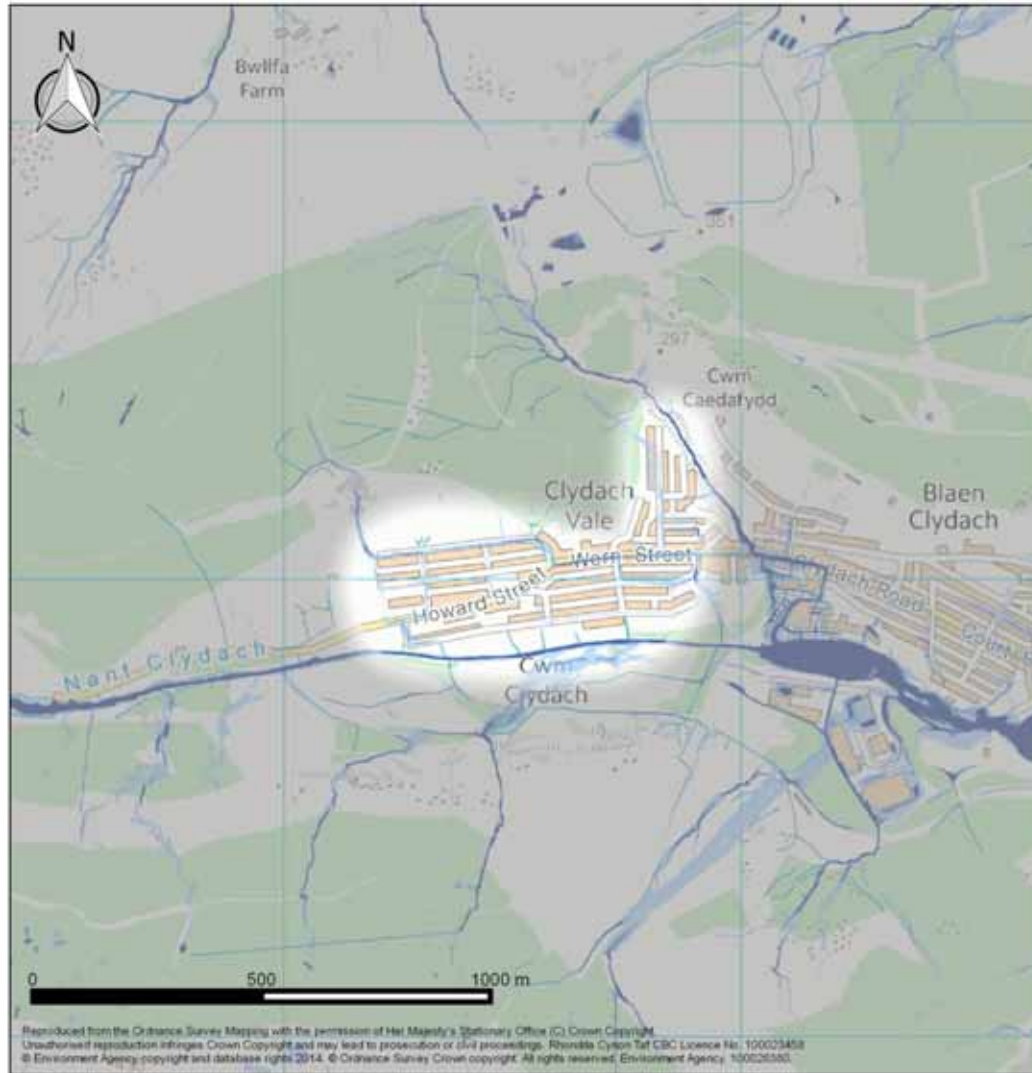
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0029

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1605	9	14	122
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	41	0	1	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	2			
Highway	0			

Flood Risk Management Plan Measures for RCT0029

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0029	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0029



RCT0029

Legend

-  RCTBoundary
 -  Flood Investigation Area
- Flooding Risk**
-  High
 -  Medium
 -  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0030

Flood Investigation Area RCT0030 is situated within the community area of Cwmbach. The flood risk is anticipated to be attributed to culvert inlets of several unnamed ordinary watercourse in the flood investigation area and also surface runoff. Flood risk is noted to broadly follow the highways network, with the most significant flood risk noted along Canal Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported internal, external and highway flooding incidents and the flood risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0030

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1335	5	16	179
Services	4	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	106	5	6	14
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.5	0.02	0.03	0.2
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	5			
External	9			
Highway	6			

Flood Risk Management Plan Measures for RCT0030

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0030	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

Flood Investigation Area - RCT0031

Flood Investigation Area RCT0031 is situated within the community area of Cwmbach and Aberdare East. The flood risk within is considered to be sourced from a combination of Main River and culvert inlets of unnamed watercourses. A low to high risk is identified along Cwmbach Road, adjacent to the access with the tow path.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported property flood incidents identified within the area; however, there is a good correlation between highway flooding incidents and the flood risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0031

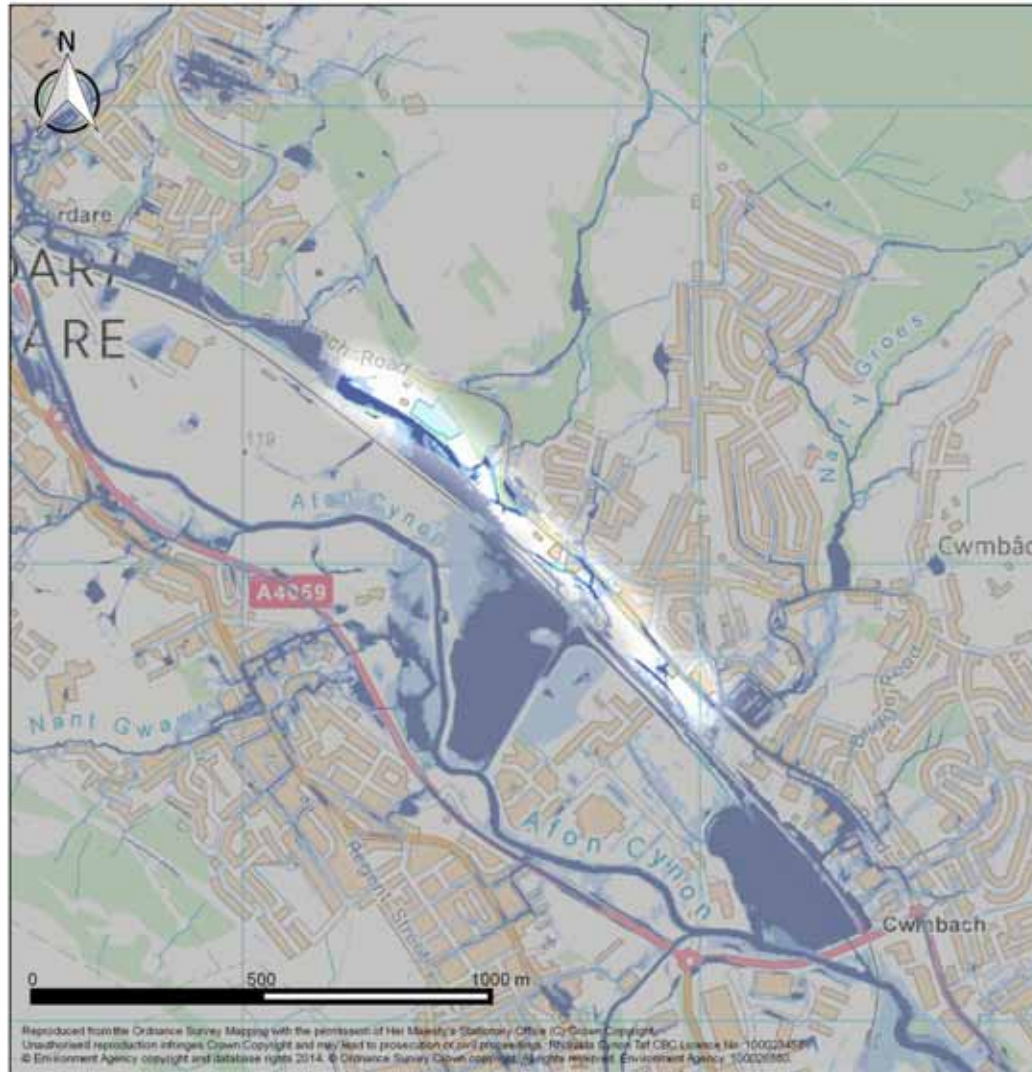
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	251	19	7	42
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	12	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	4			

Flood Risk Management Plan Measures for RCT0031

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0031	Local / Main River	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0031



RCT0031

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0032

Flood Investigation Area RCT0032 is situated within the community area of Cwmbach and the flood risk is considered to be sourced from a lack of capacity and a culvert inlet of unnamed ordinary watercourse. A low to high risk is identified along surrounding streets of Kendal Close, Llangorse Road and Graigy-Llyn Crescent.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between historic flooding incidents reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

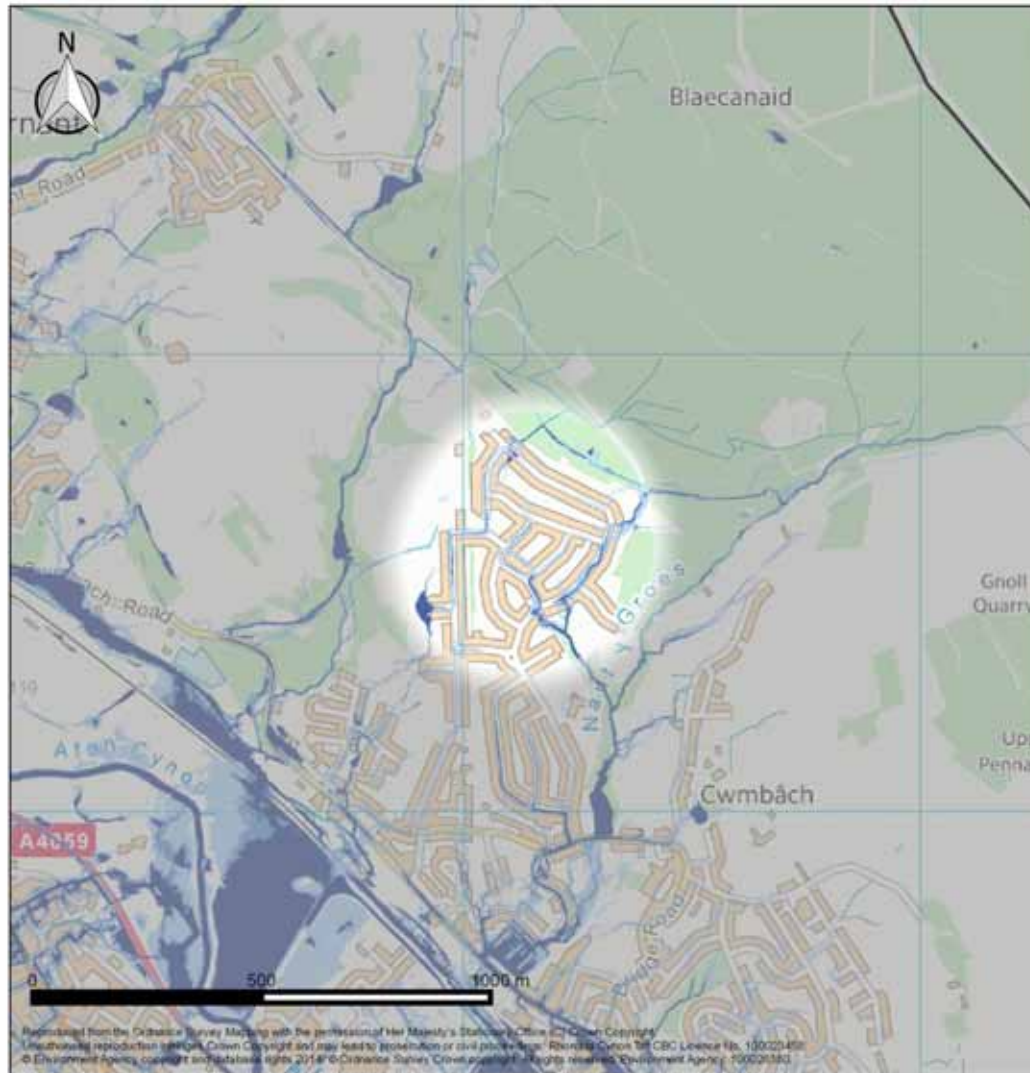
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0032

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	801	9	5	63
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	15	0	1	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	3			
Highway	2			

Flood Risk Management Plan Measures for RCT0032

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0032	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0032



RCT0032

Legend

-  RCTBoundary
-  Flood Investigation Area
- Flooding Risk**
-  High
-  Medium
-  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0033

Flood Investigation Area RCT0033 is situated within the community area of Cwmbach and the most significant contribution to flood risk is anticipated to be associated with culvert inlets of the Nant y Groes, with a minor contribution from surface runoff. A high risk is posed to the area surround Pant-y-Cerdin.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between external flooding incidents reported to the council and the risk posed by the uFMfSW; however, there is a good correlation between reported highway flooding and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

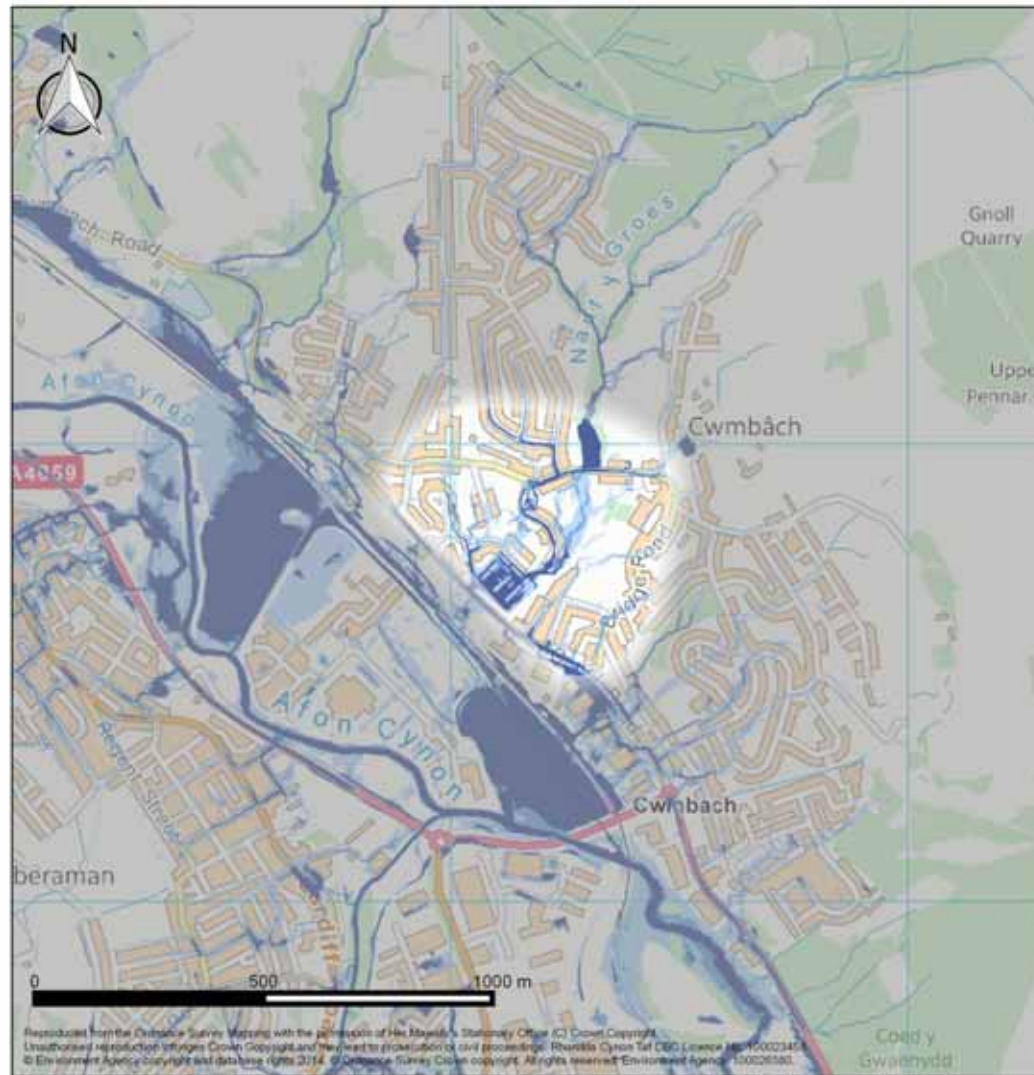
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0033

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1191	139	42	120
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	62	0	1	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	5			
Highway	6			

Flood Risk Management Plan Measures for RCT0033

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0033	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0033



RCT0033

Legend

- RCT Boundary
- Flood Investigation Area
- Flooding Risk**
- High
- Medium
- Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0034

Flood Investigation Area RCT0034 is situated within the community area of Cymmer and the flood risk is considered to be sourced from surface runoff, notably affecting the length of High Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flood incidents and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

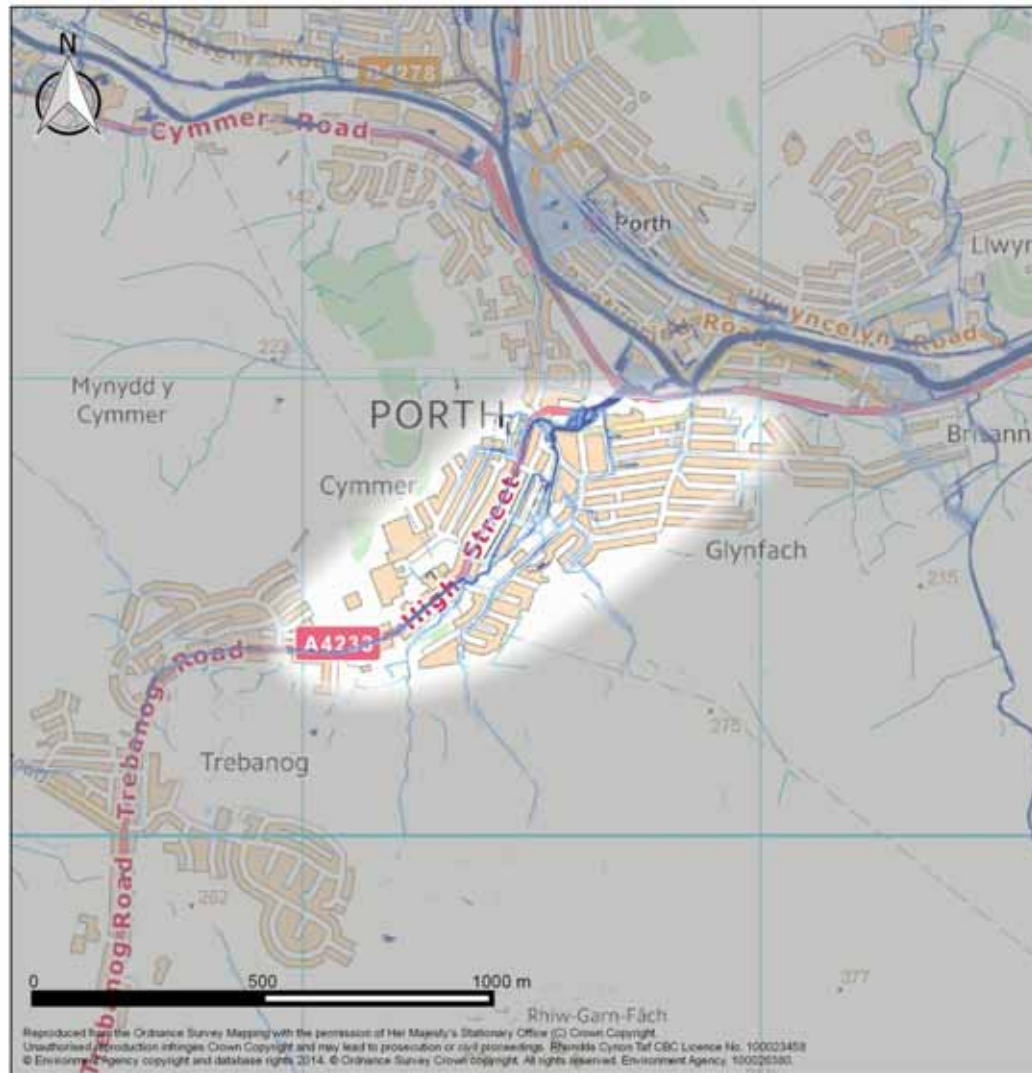
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0034

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2256	7	16	181
Services	3	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	109	0	2	11
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	6			
External	5			
Highway	13			

Flood Risk Management Plan Measures for RCT0034

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0034	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0034



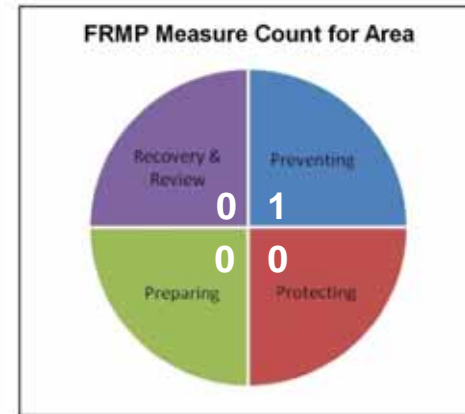
RCT0034

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0035

Flood Investigation Area RCT0035 is situated within the community area of Ferndale and the flood risk is considered to be sourced from surface runoff, with a high risk in the areas of Long Row and School Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Of the few reported flood incidents within the Flood Investigation Area, there is a reasonable correlation with the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

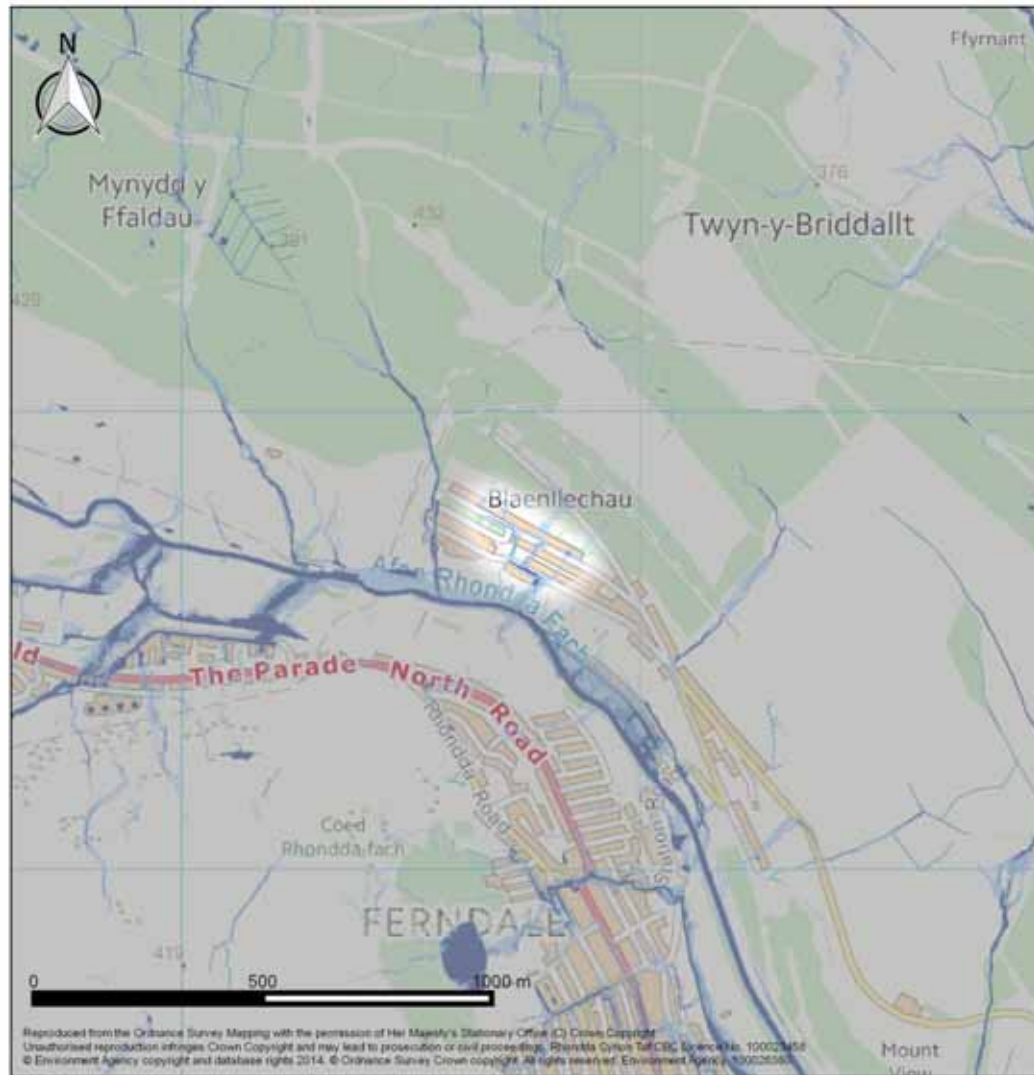
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0035

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	204	0	5	42
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	11	0	0	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	1			

Flood Risk Management Plan Measures for RCT0035

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0035	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0035



RCT0035

Legend

-  RCTBoundary
 -  Flood Investigation Area
- Flooding Risk**
-  High
 -  Medium
 -  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0036

Flood Investigation Area RCT0036 is situated within the community area of Ferndale and the flood risk is considered to be sourced from an unnamed watercourse, surface runoff and a breach of the Llyn y Forwyn boating lake. A low to high risk is identified along Frederick Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

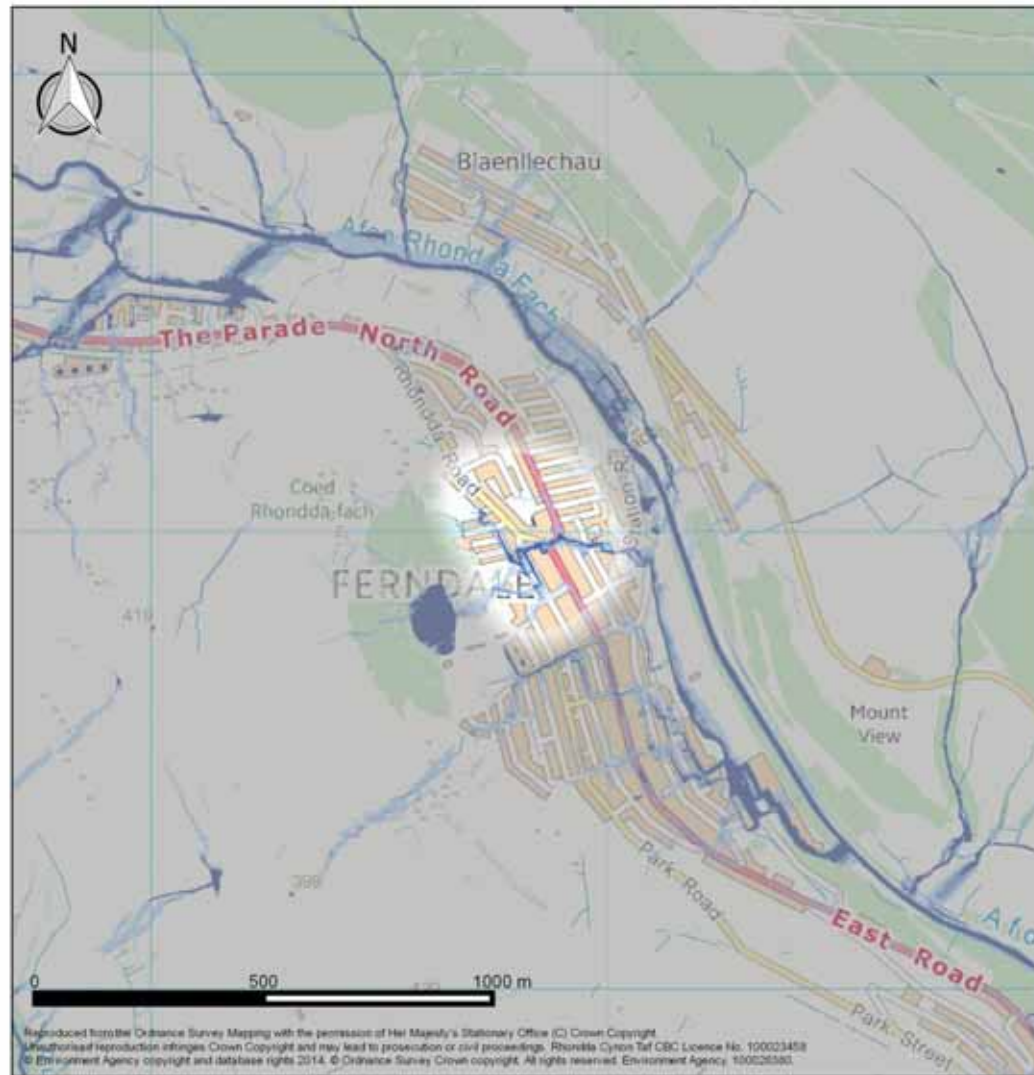
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0036

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	855	56	14	92
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	90	6	3	10
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	2			
Highway	6			

Flood Risk Management Plan Measures for RCT0036

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0036	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0036



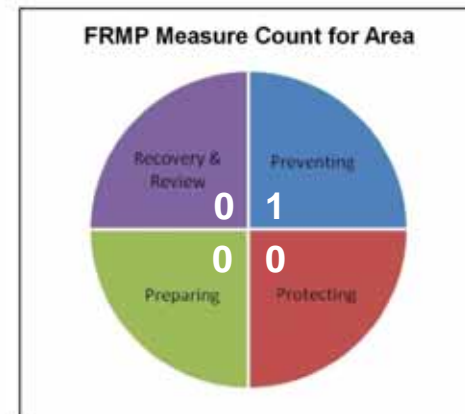
RCT0036

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0037

Flood Investigation Area RCT0037 is situated within the community area of Ferndale and the flood risk is considered to be sourced from an interaction between surface runoff and Main River flooding. A low to high risk is identified across the whole of the site.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Only one highway flooding incident has been reported to the authority and it is consistent with an area of flood risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0037

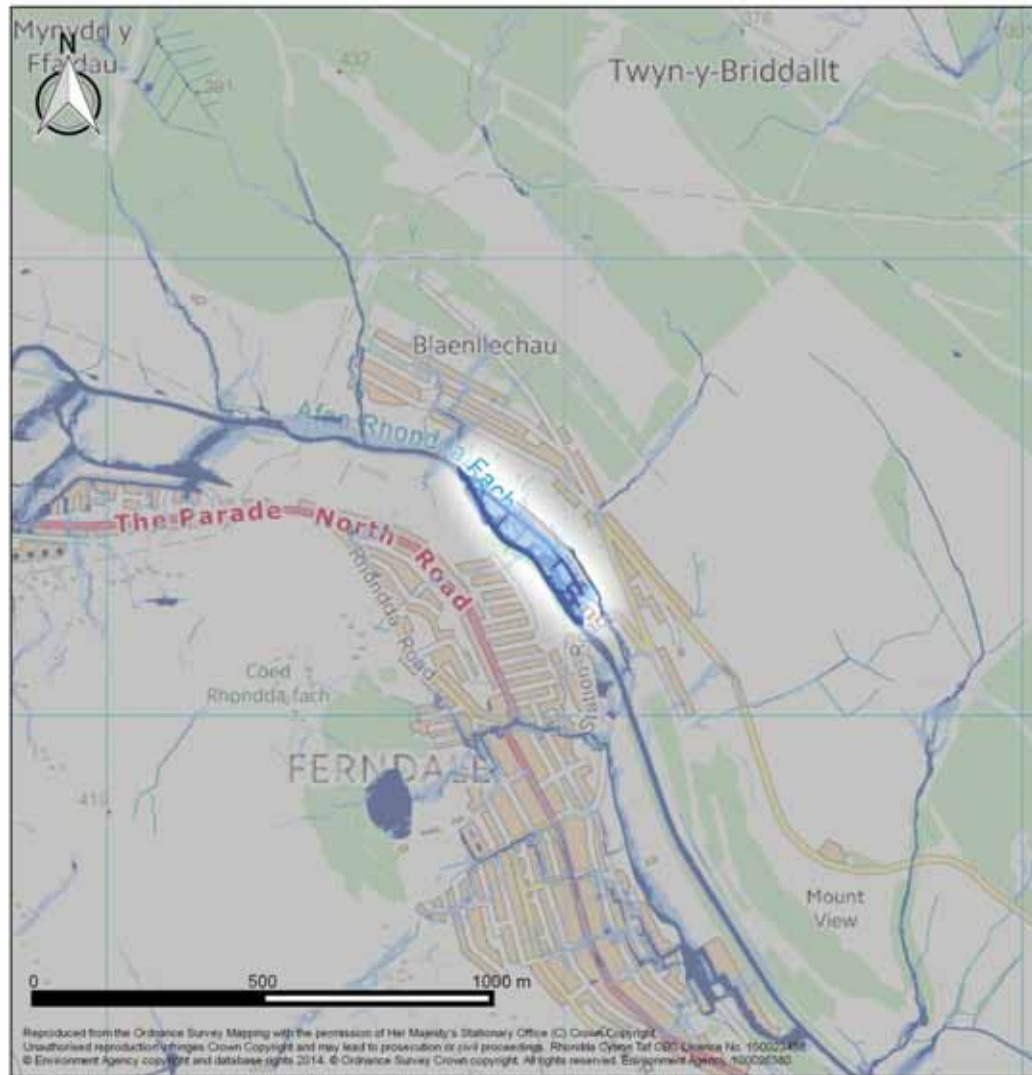
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	237	33	129	68
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	14	3	8	2
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	1			

Flood Risk Management Plan Measures for RCT0037

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0037	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0037



RCT0037

Legend

-  RCTBoundary
 -  Flood Investigation Area
- Flooding Risk**
-  High
 -  Medium
 -  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0038

Flood Investigation Area RCT0038 is situated within the community area of Ferndale and the flood risk is considered to be sourced from surface runoff. Notable risk is posed to the areas along the length of Brook Street, Union Street, Brown Street and Albany Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

A good correlation exists between reported flooding incidents and the flood risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0038

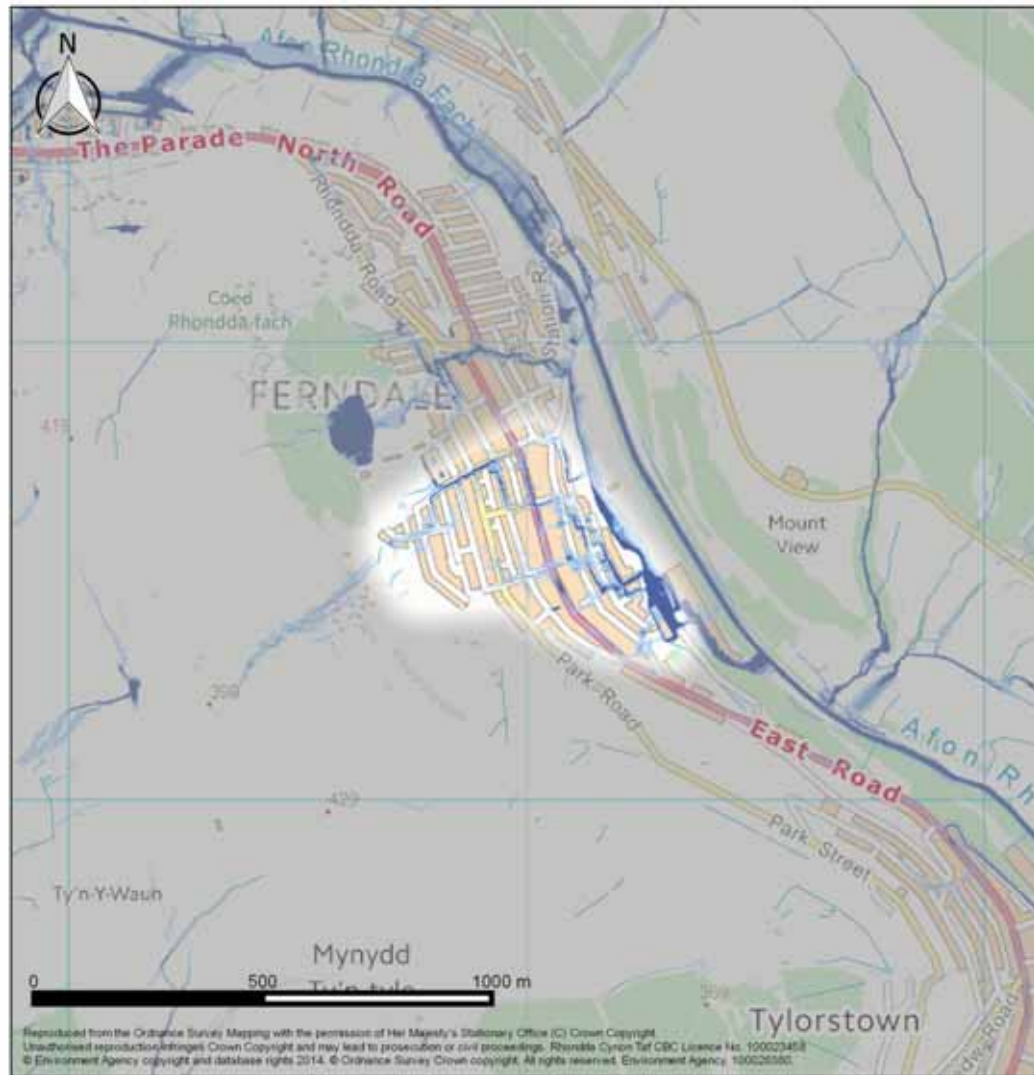
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1854	28	71	308
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	77	7	2	8
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	9			
Highway	5			

Flood Risk Management Plan Measures for RCT0038

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0038	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0038



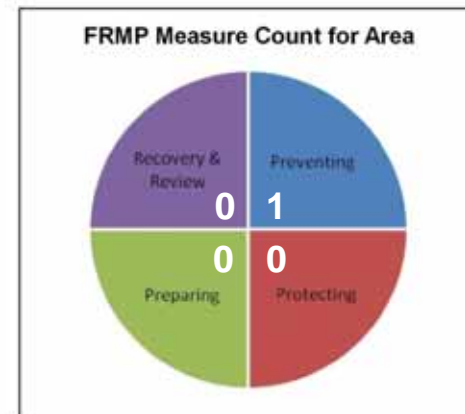
RCT0038

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0039

Flood Investigation Area RCT0039 is situated within the community area of Graig and the flood risk is considered to be sourced from surface runoff with the risk observed along the highways network, notably High Street and Rickards Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

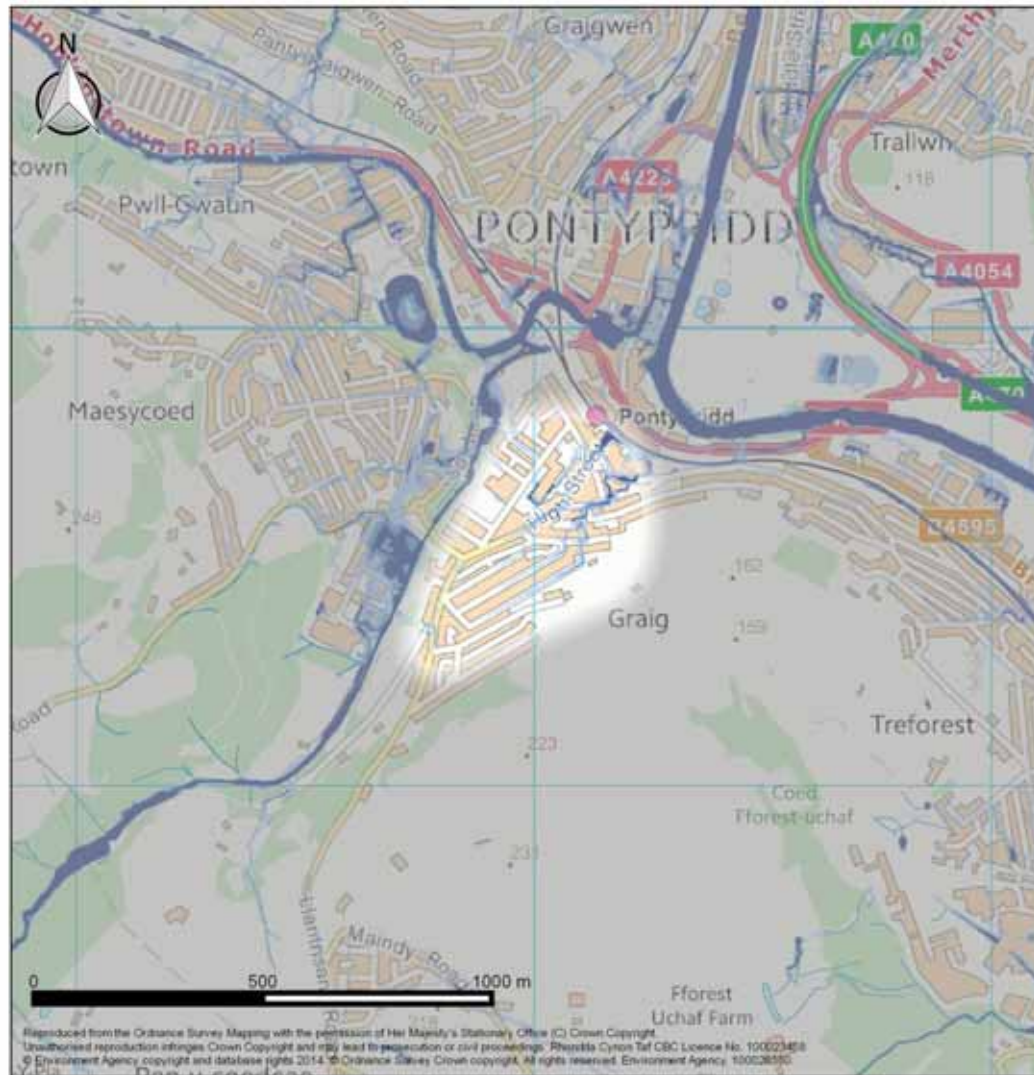
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0039

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1694	7	94	42
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	65	0	1	6
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	5			
External	6			
Highway	7			

Flood Risk Management Plan Measures for RCT0039

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0039	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0039



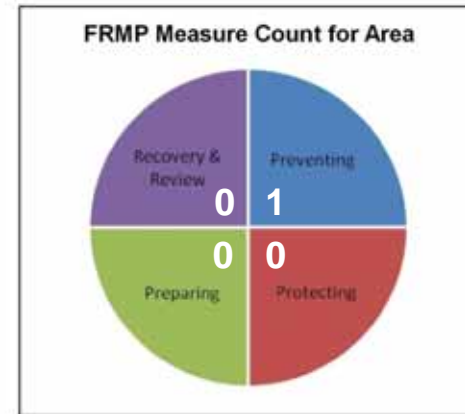
RCT0039

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0040

Flood Investigation Area RCT0040 is situated within the community area of Hirwaun. The flood risk is considered to be sourced from the interaction between local sources of flood risk (surface runoff and ordinary watercourse) and Main River. Commonly, flood risk is observed in the areas of Cae Felyn Parc, Llys Cynon and the areas to the south of these streets.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is reasonable correlation between reported flood incidents and the risk posed by the uFMfSW. No incidents of flooding have been reported to the authority in the vicinity of the Main River.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0040

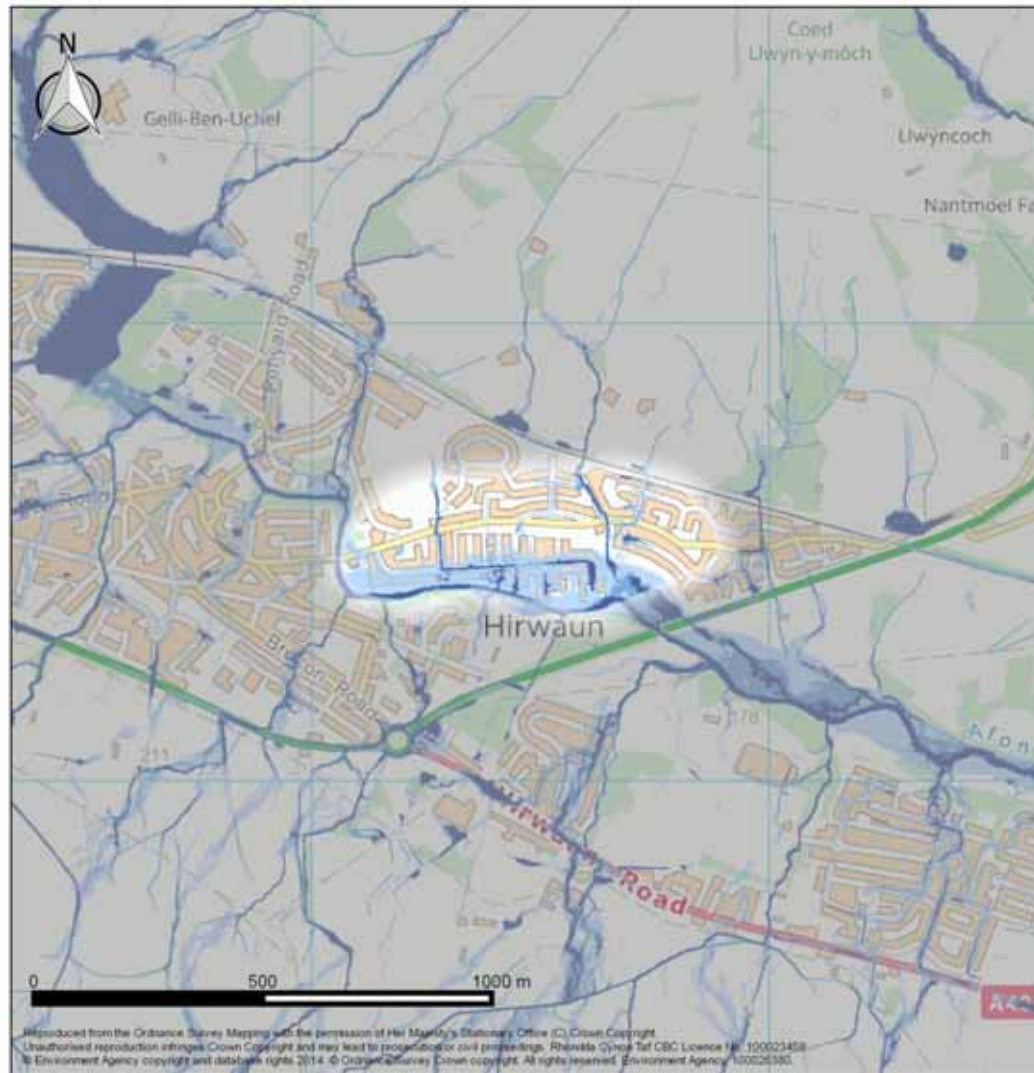
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	917	9	38	284
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	29	0	1	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	3			
Highway	2			

Flood Risk Management Plan Measures for RCT0040

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0040	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0040



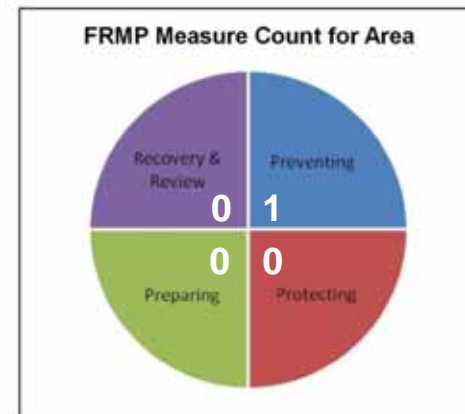
RCT0040

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0041

Flood Investigation Area RCT0041 is situated within the community area of Hirwaun and the flood risk is considered to be sourced from surface water, notably the Nant y Bwlch in the west and the unnamed watercourse in the east. Surface runoff is noted within the central portion of the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable to poor correlation between reported flooding incidents and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

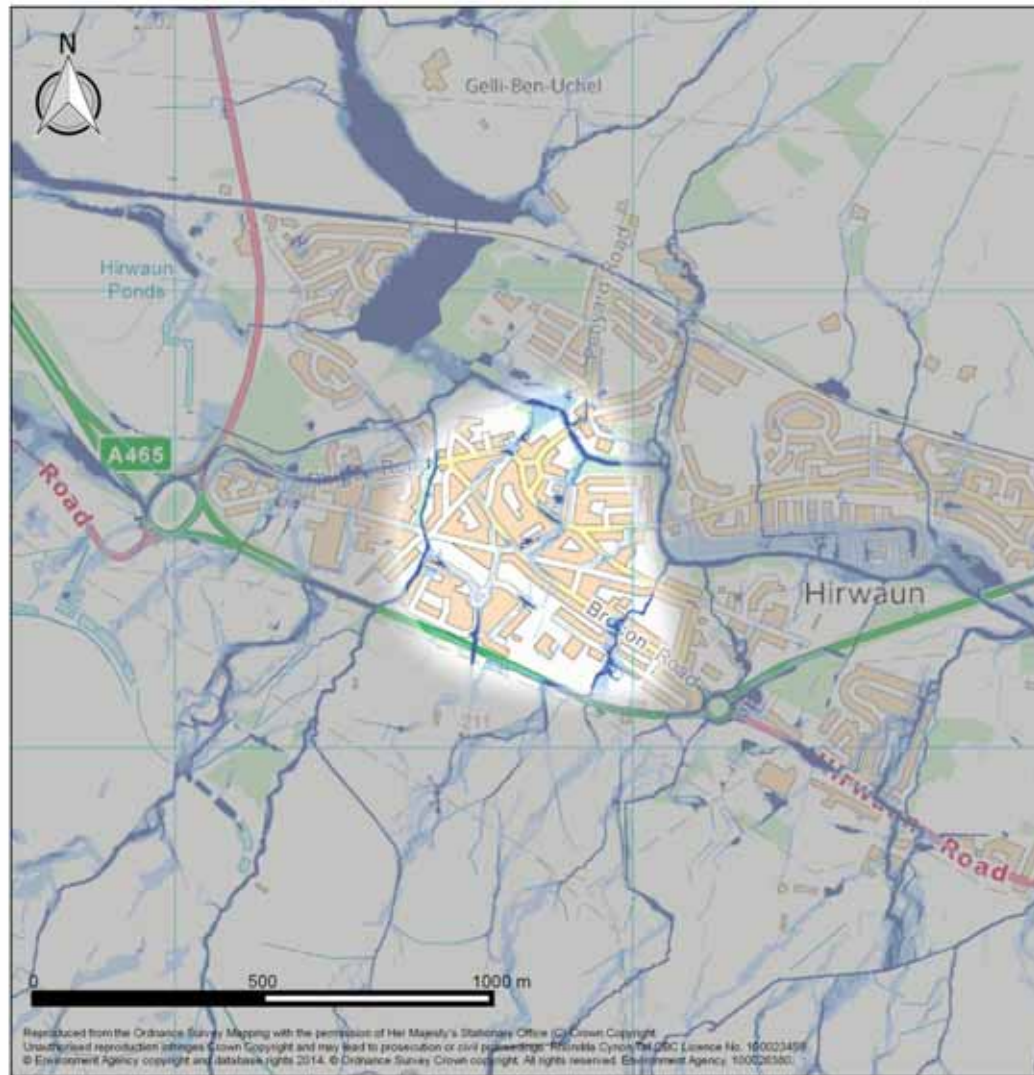
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0041

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1335	14	54	143
Services	4	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	123	1	2	9
Airports	0	0	0	0
Roads (km)	0.3	0.04	0	0.2
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0.3	0.02	0.01	0.2
Listed Buildings	3	1	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	6			
Highway	10			

Flood Risk Management Plan Measures for RCT0041

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0041	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0041



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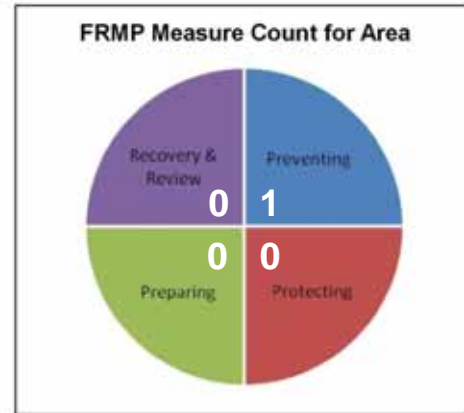
RCT0041

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0042

Flood Investigation Area RCT0042 is situated within the community area of Hirwaun and the flood risk is considered to be sourced from the confluence between an unnamed ordinary watercourse and the Afon Cynon (Main River). It is important to note that the Afon Cynon is culverted beneath the railway line in the north of the Flood Investigation Area and the extent of flooding shown within the uFMfSW may be attributable to the culvert inlet.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flooding incidents and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0042

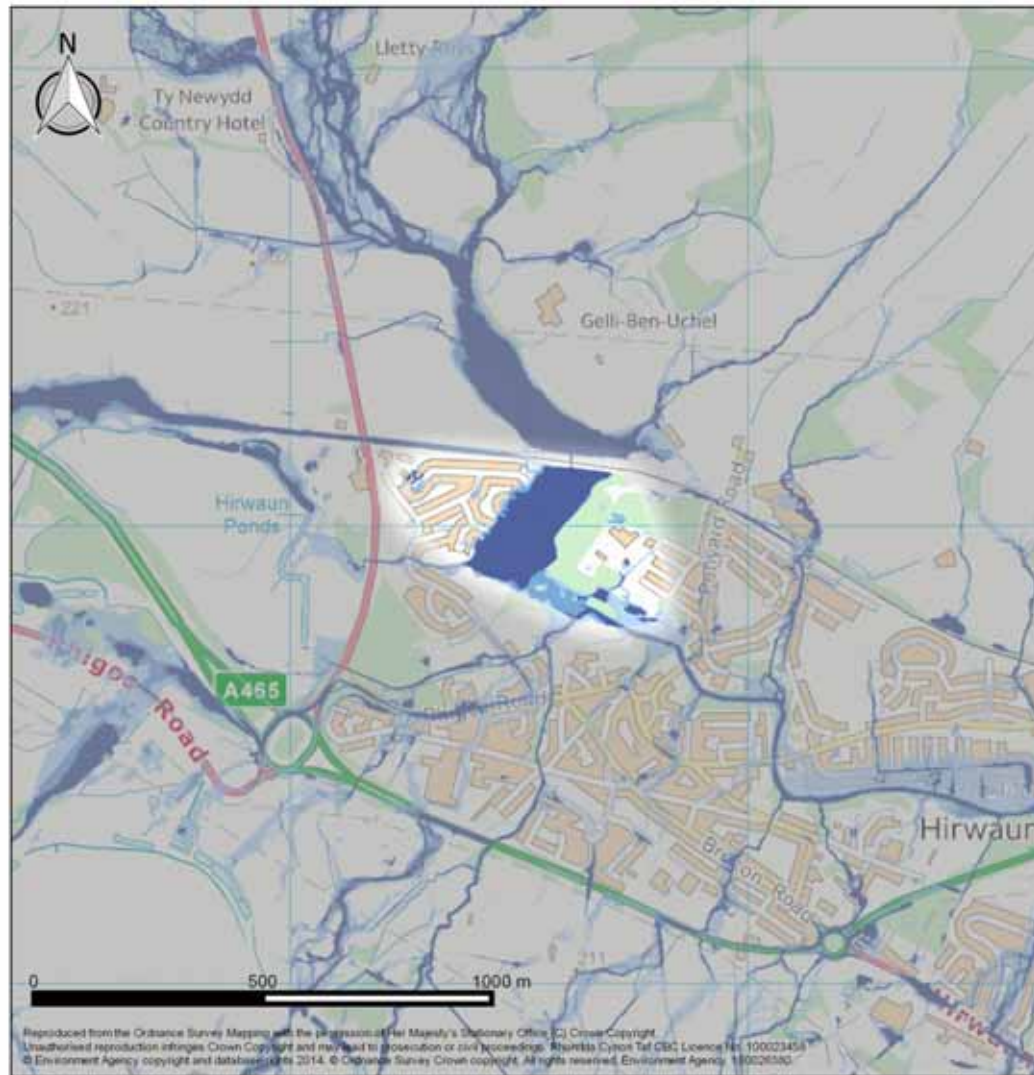
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	317	49	5	16
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	18	0	1	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	2	0.2	0.4	1
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	1			

Flood Risk Management Plan Measures for RCT0042

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0042	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC /Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0042



RCT0042

Legend

-  RCTBoundary
 -  Flood Investigation Area
- Flooding Risk**
-  High
 -  Medium
 -  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0043

Flood Investigation Area RCT0043 is situated within the community area of Llanharan and the flood risk is considered to be a combination from both Main River and Surface water flooding. The railway line is at risk of flooding with the area, as the properties adjacent to Bridgend Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flooding incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0043

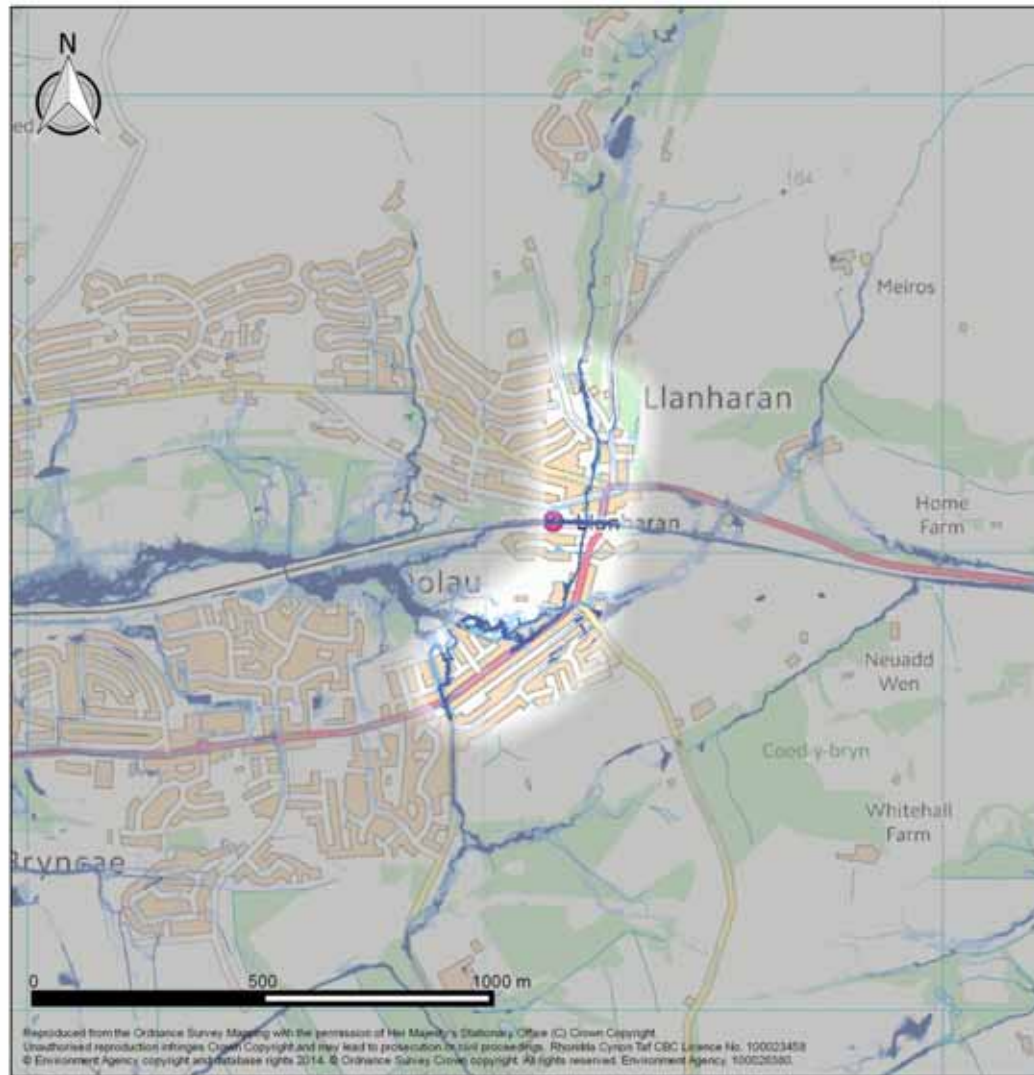
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	985	28	5	87
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	87	4	2	15
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.2	0.1	0.03	0.005
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	7			

Flood Risk Management Plan Measures for RCT0043

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0043	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0043



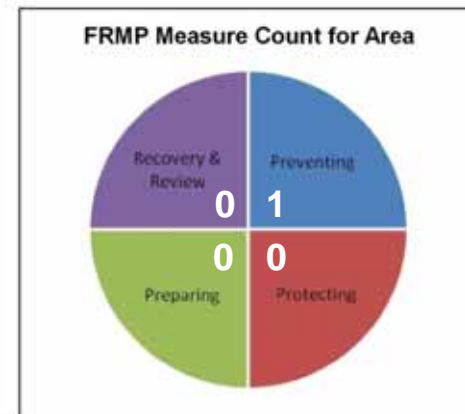
RCT0043

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0044

Flood Investigation Area RCT0044 is situated within the community area of Llanharry and the flood risk is considered to be sourced from a surface runoff, notably along Sycamore Road and the area to the south of the street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

No flooding incidents have previously been reported to the authority within this Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

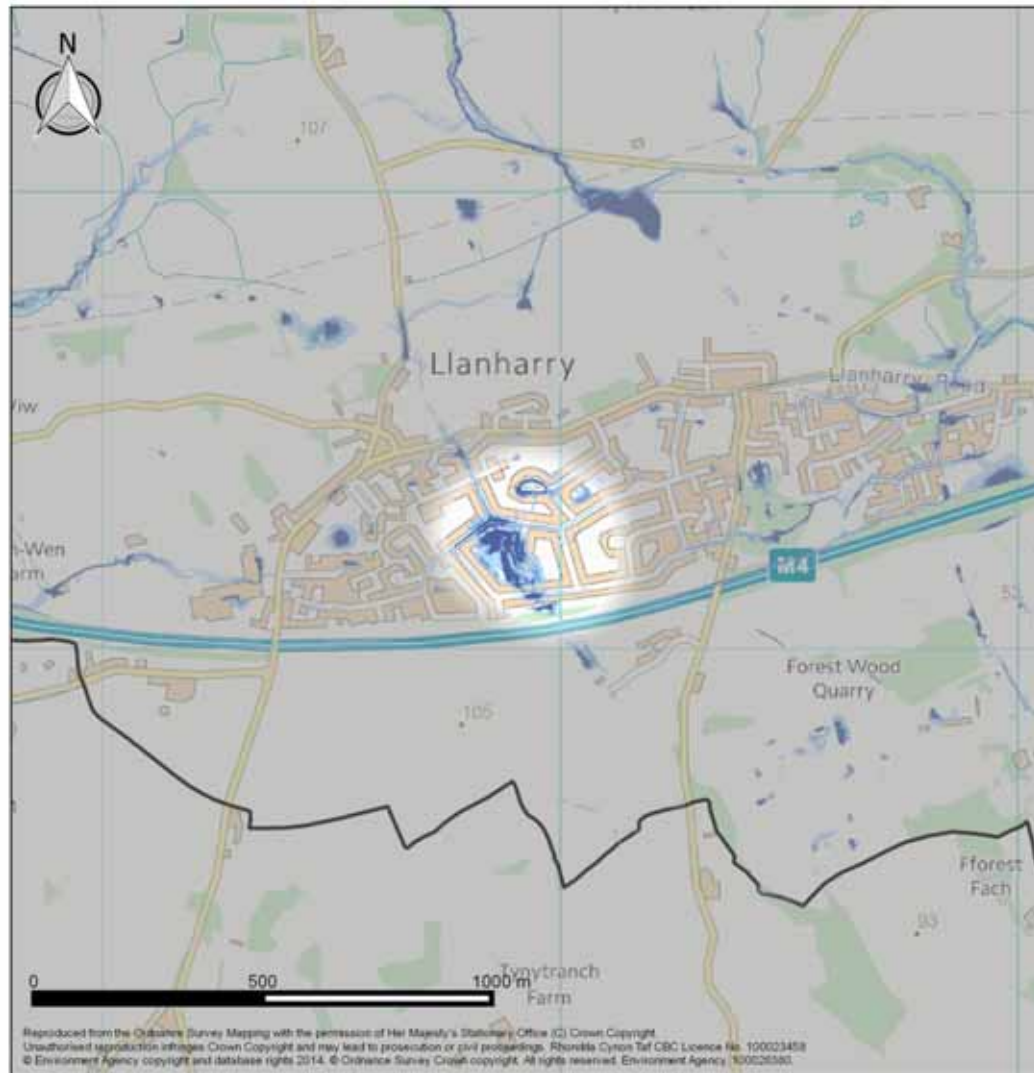
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0044

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	517	40	24	56
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	4	1	0	0
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	10	1	1	1
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0044

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0044	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0044



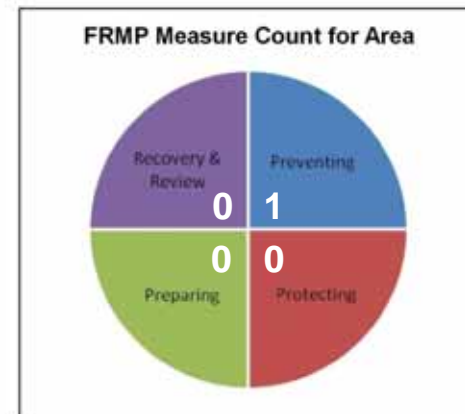
RCT0044

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0045

Flood Investigation Area RCT0045 is situated within the community area of Llantrisant Town and the flood risk observed is considered to be sourced from surface runoff, notably along the highway network in the north (Southgate, Greenlands, and Summerfield Drive) and within the area of Beaufort Court and Tan-Yr-Allt in the south of the area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

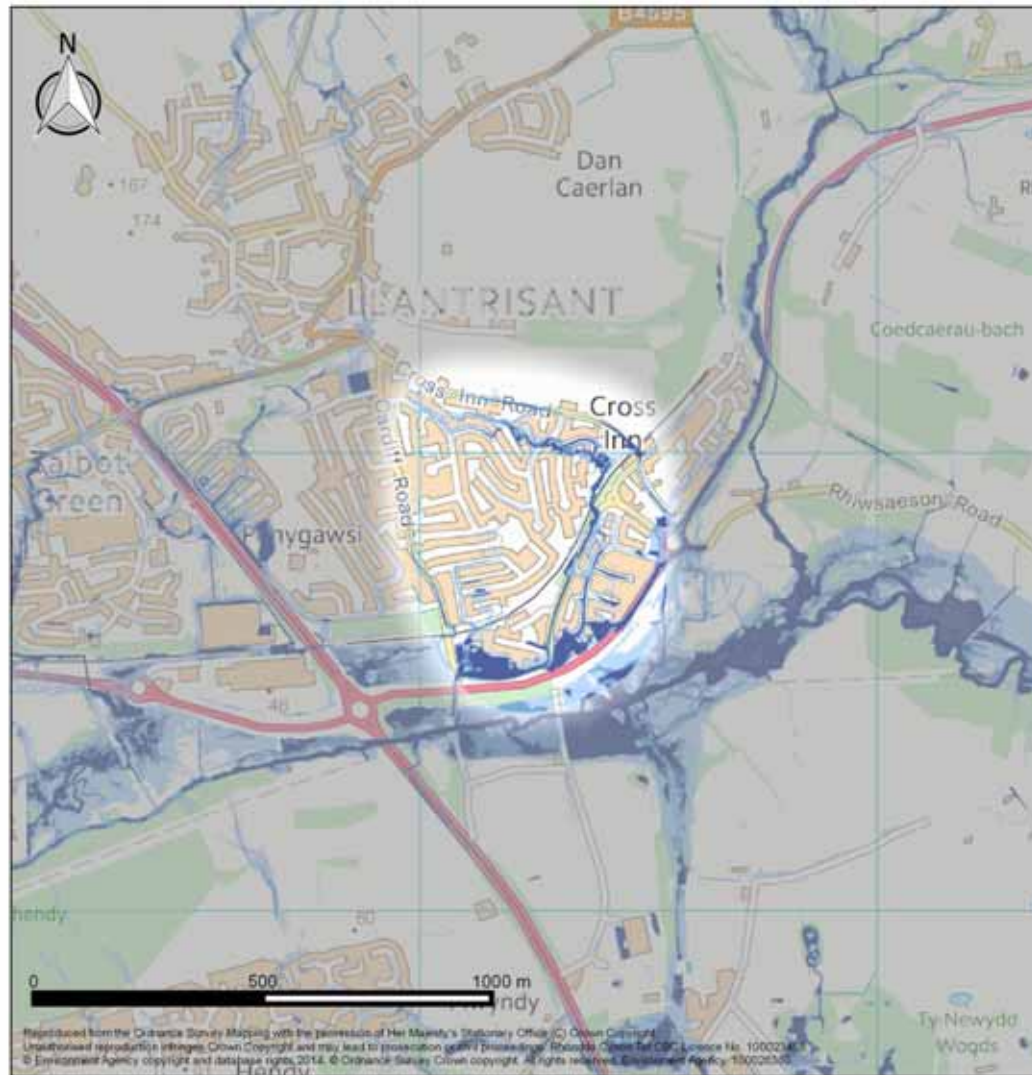
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0045

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1614	73	32	141
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	75	3	2	8
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.03	0.02	0.06
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	4			

Flood Risk Management Plan Measures for RCT0045

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0045	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0045



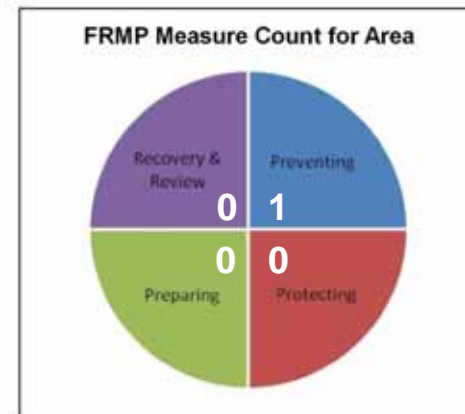
RCT0045

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0046

Flood Investigation Area RCT0046 is situated within the community areas of Llantrisant Town and Talbot Green. The flood risk is considered to be sourced from a surface runoff, with risk posed in areas adjacent to Clos Lancaster, Clos Hereford, Clos Leland and Chartis Road..

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Only one incident of flooding to the Highway has been reported to the authority and this is not consistent with the flood risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

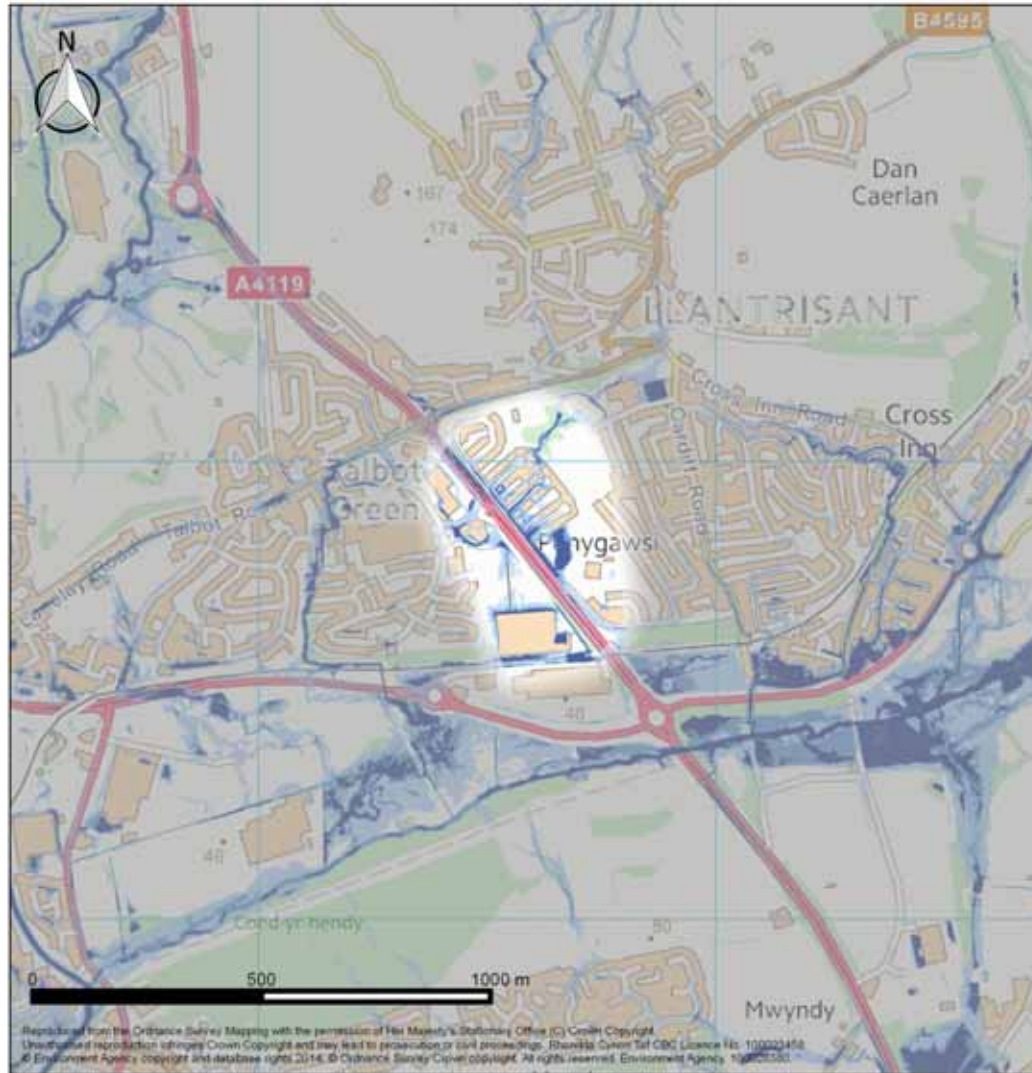
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0046

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	282	5	24	68
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	30	2	0	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.2	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	1			

Flood Risk Management Plan Measures for RCT0046

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0046	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0046



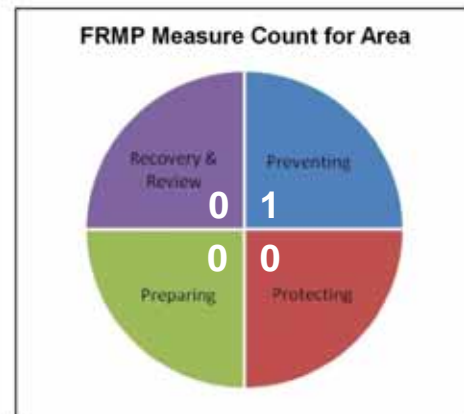
RCT0046

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0047

Flood Investigation Area RCT0047 is situated within the community areas of Llantrisant Town, Llanharan and Talbot Green. The flood risk is considered to be sourced from culvert inlets of unnamed watercourses and Main River. Flood risk is noted to industrial units throughout Llantrisant Business Park.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Of the few flood incidents reported to the authority, there is a reasonable correlation between flood incidents reported to the authority and risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0047

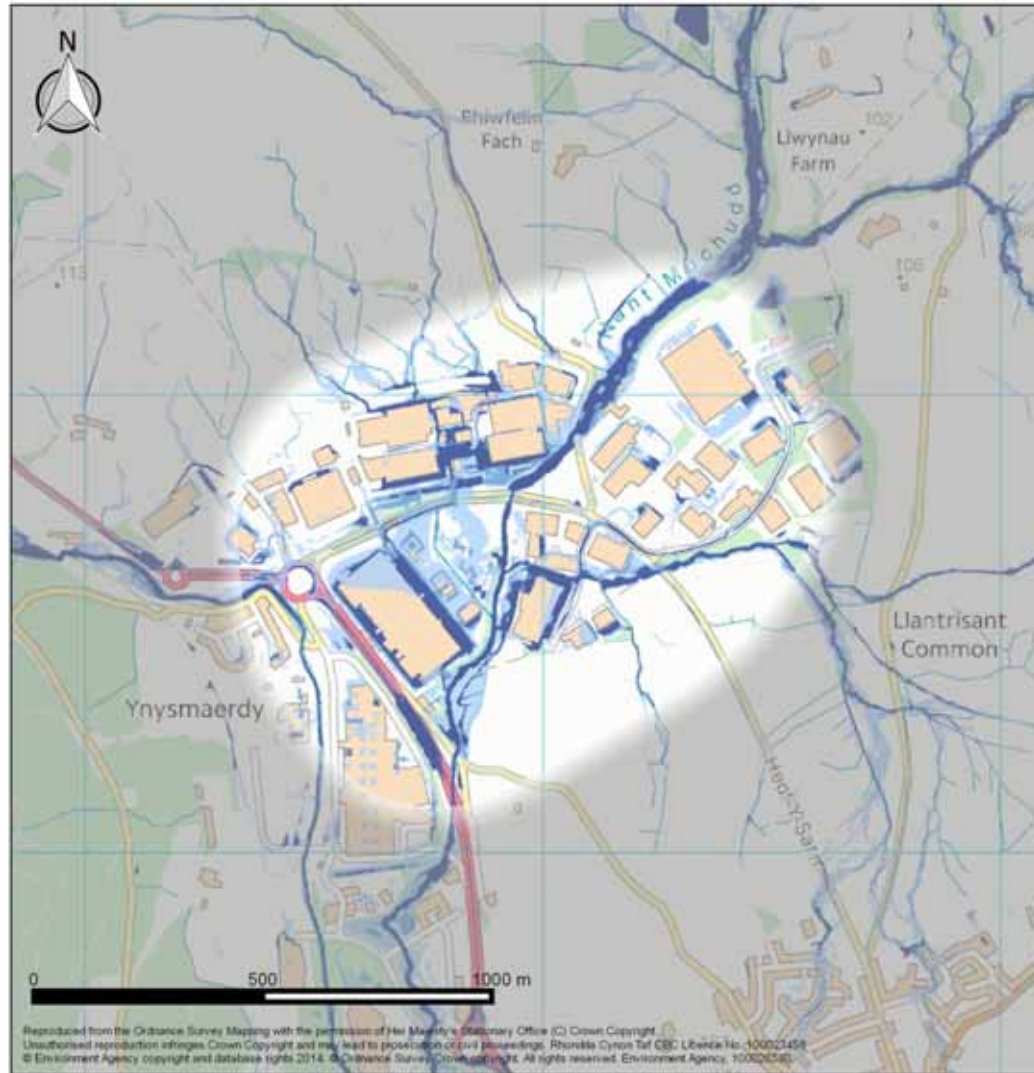
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	216	2	0	63
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	212	19	21	34
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	1	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	9	0.5	0.2	0.4
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	1	0	0	1
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	2			
Highway	4			

Flood Risk Management Plan Measures for RCT0047

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0047	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0047



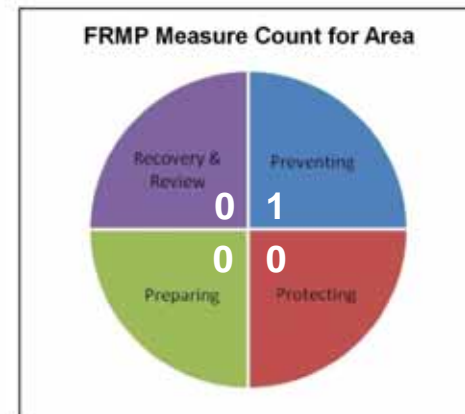
RCT0047

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0048

Flood Investigation Area RCT0048 is situated within the community area of Llantwit Fardre and the flood risk is considered to be sourced from surface runoff. The risk presented cascades through the residential area in the vicinity of Cwrt-Y-Goedwig, Heol Dyhewydd and Woodlands.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported flood incidents to property and the flood risk posed by the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

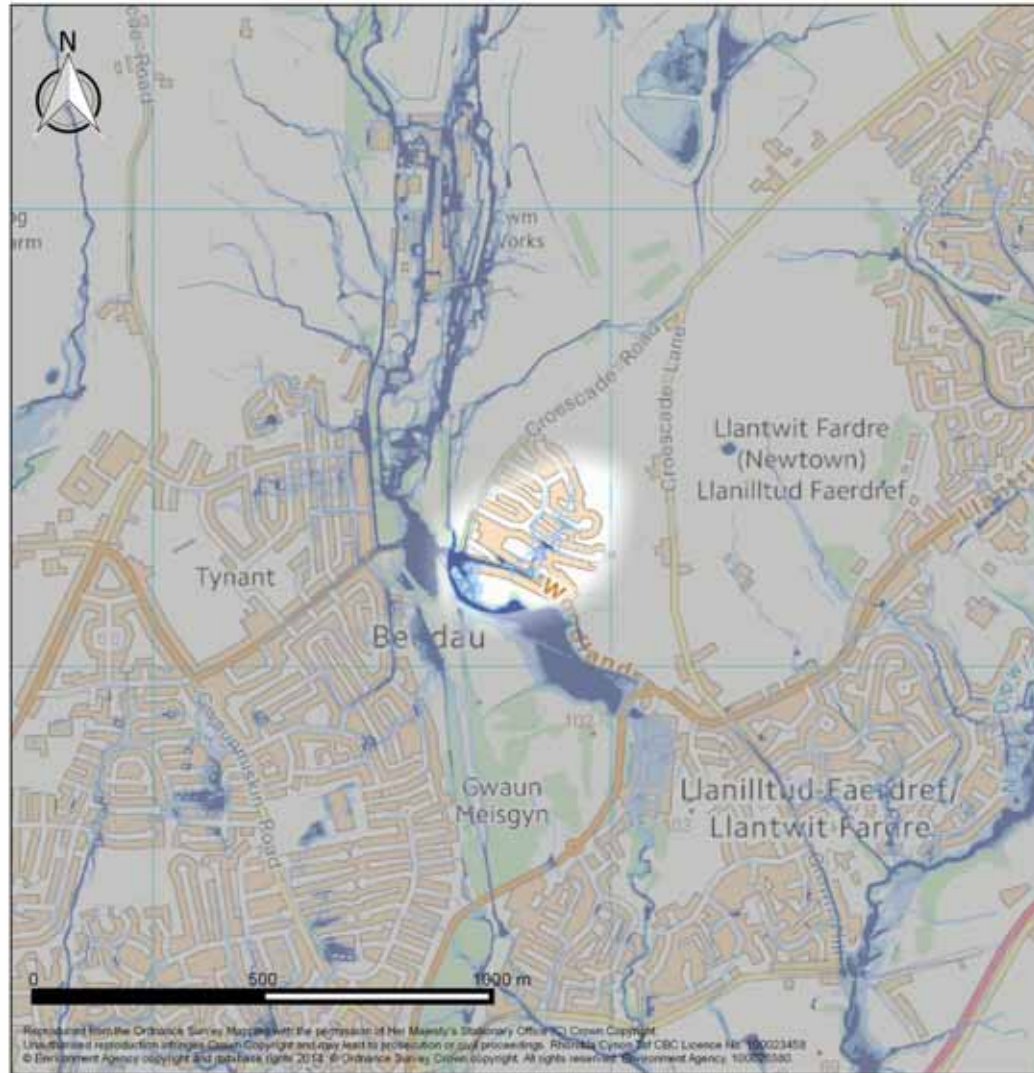
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0048

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	395	2	21	54
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	18	0	1	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	3			
Highway	2			

Flood Risk Management Plan Measures for RCT0048

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0048	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0048



RCT0048

Legend

-  RCTBoundary
-  Flood Investigation Area
- Flooding Risk**
-  High
-  Medium
-  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0049

Flood Investigation Area RCT0049 is situated within the community area of Llantwit Fardre and the flood risk is considered to be sourced from a surface runoff. A low to high risk is identified along Heol-Y-Parc.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flood incidents reported to the council and the risk posed by the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

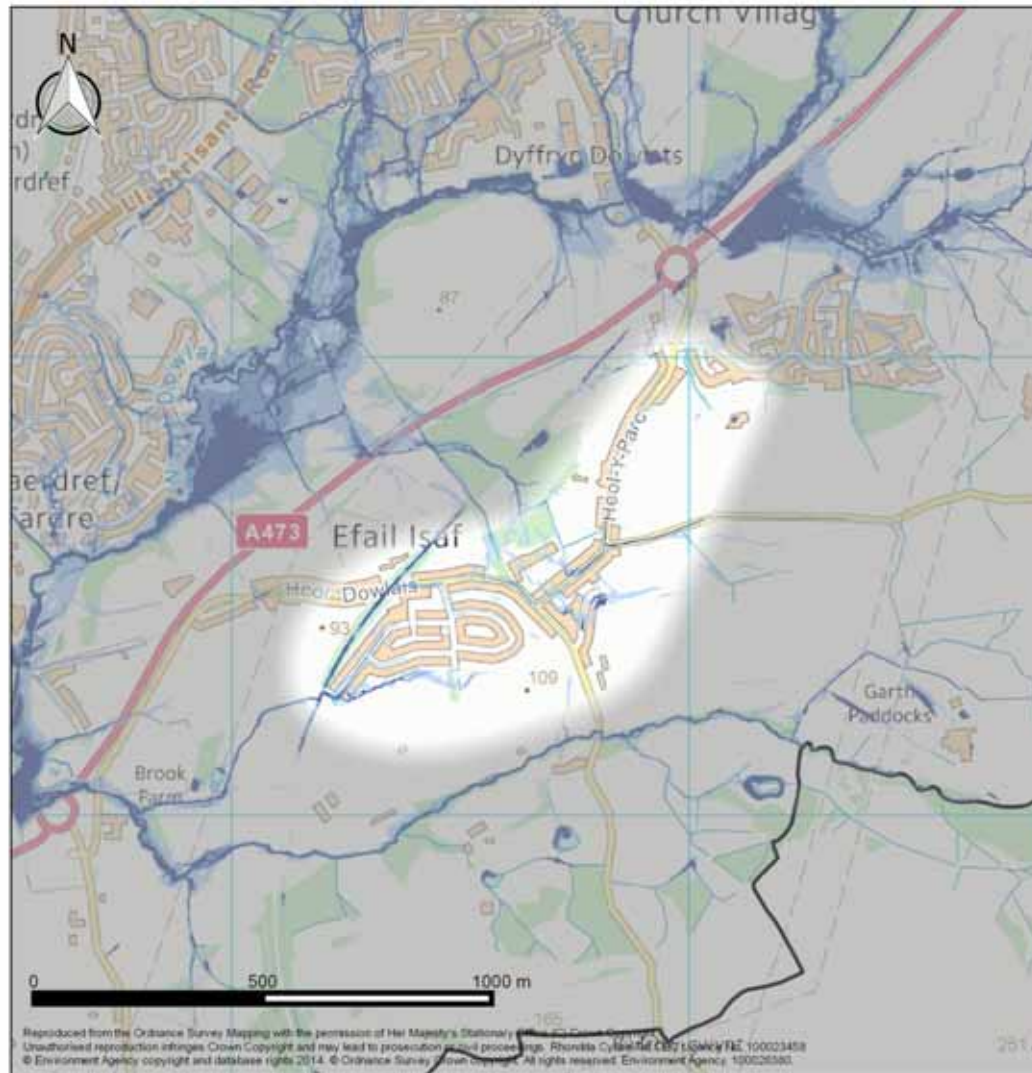
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0049

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	705	9	2	63
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	84	0	0	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	8			
Highway	6			

Flood Risk Management Plan Measures for RCT0049

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0049	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0049



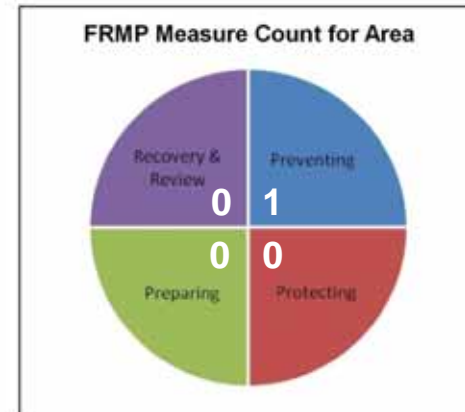
RCT0049

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0050

Flood Investigation Area RCT0050 is situated within the community area of Llantwit Fardre. The flood risk posed to the flood investigation area is attributed to a combination of surface runoff and ordinary watercourse, with often linear stretches of flood risk in depressions/valleys in the higher elevations and reserved to sections of the road network throughout the residential development. A significant flood risk is posed from the Main River in the southeast of the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

A reasonable correlation exists between reported flood incidents to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0050

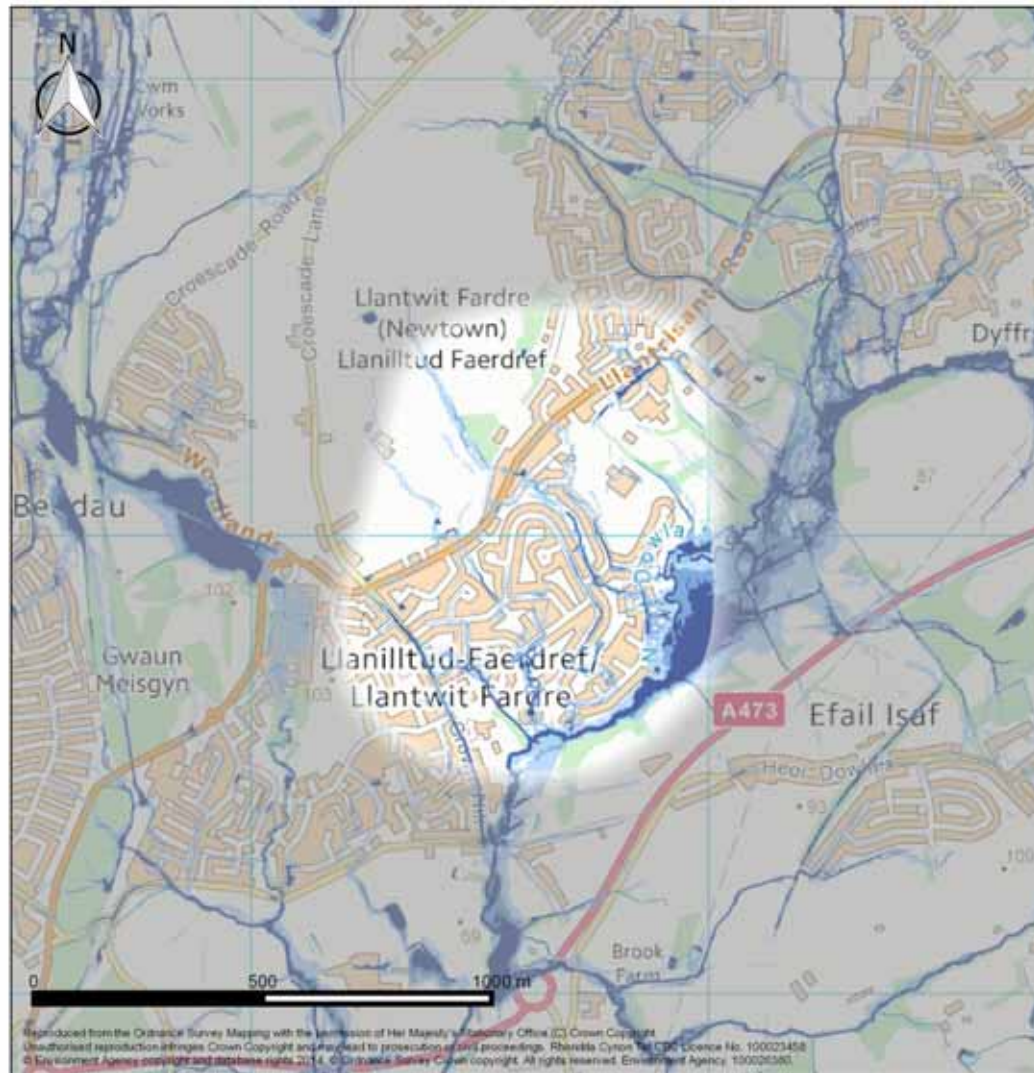
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2171	21	59	247
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	136	0	6	9
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	13			
Highway	12			

Flood Risk Management Plan Measures for RCT0050

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0050	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Rescoring Wales



*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0050






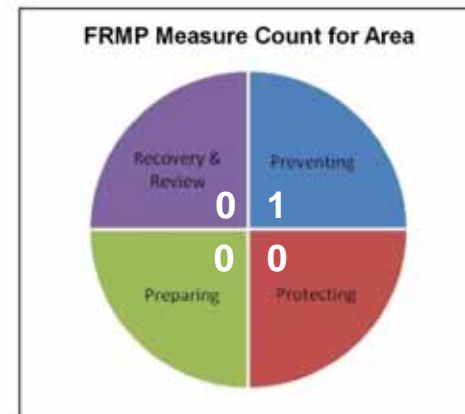
RCT0050

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0051

Flood Investigation Area RCT0051 is situated within the community area of Llantwit Fardre, Beddau and Tyn-y-nant. The flood risk is considered to be mostly attributed to the Nant Ty'rarlwydd and its tributaries, including locations at culvert inlets. A contribution from surface runoff is noted from the steep valley sides. The flood risk is posed throughout the disused Cwm Coke works.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no flood incidents reported within the Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

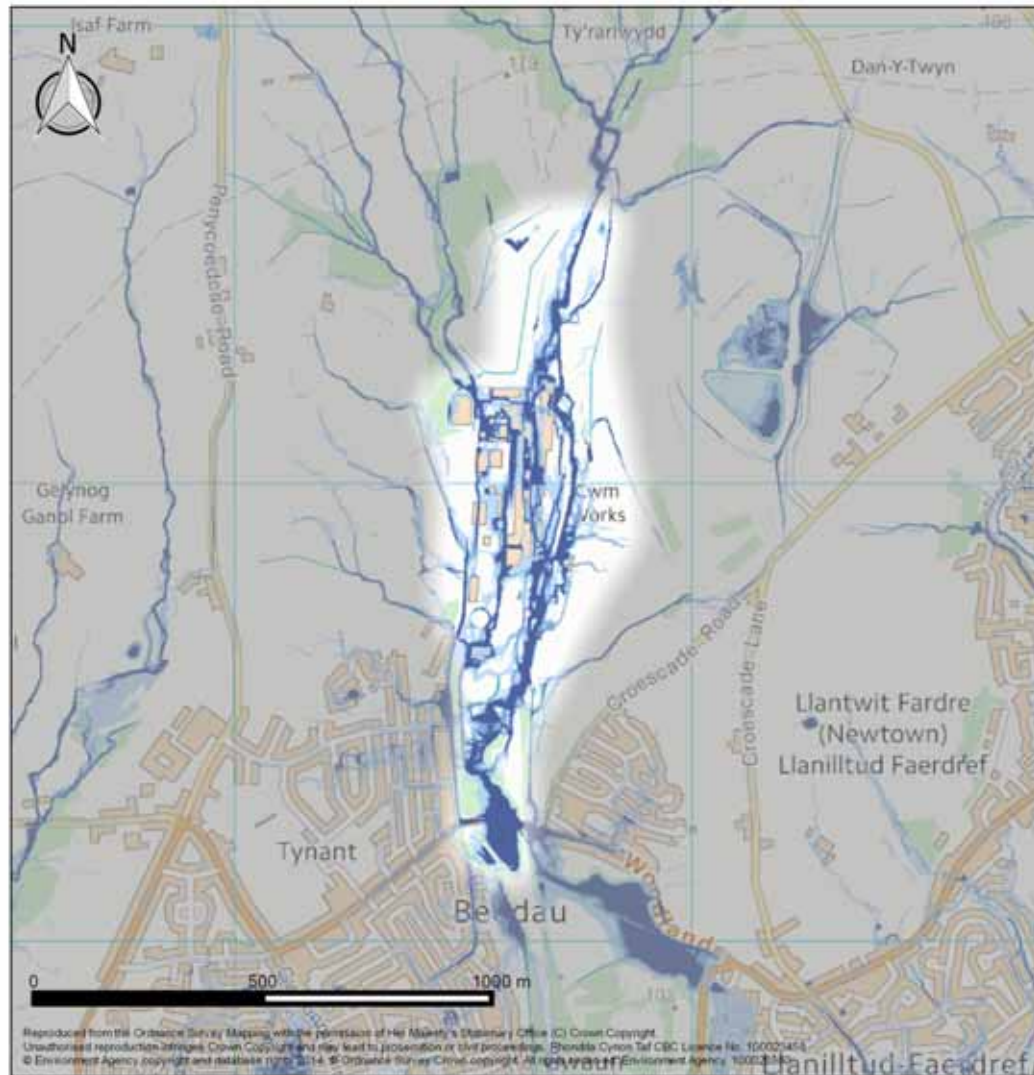
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0051

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	0	0	0	0
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	118	18	5	21
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0051

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0051	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0051



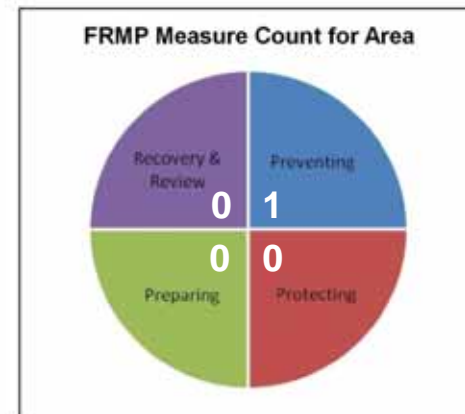
RCT0051

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0052

Flood Investigation Area RCT0052 is situated within the community areas of Llwynypia, Ystrad and Trealaw. The flood risk is considered to be sourced from surface water (ordinary watercourse and surface runoff) and Main River. The highest risk is noted to be situated along the western banks of the Afon Rhondda (Main River).

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between the flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0052

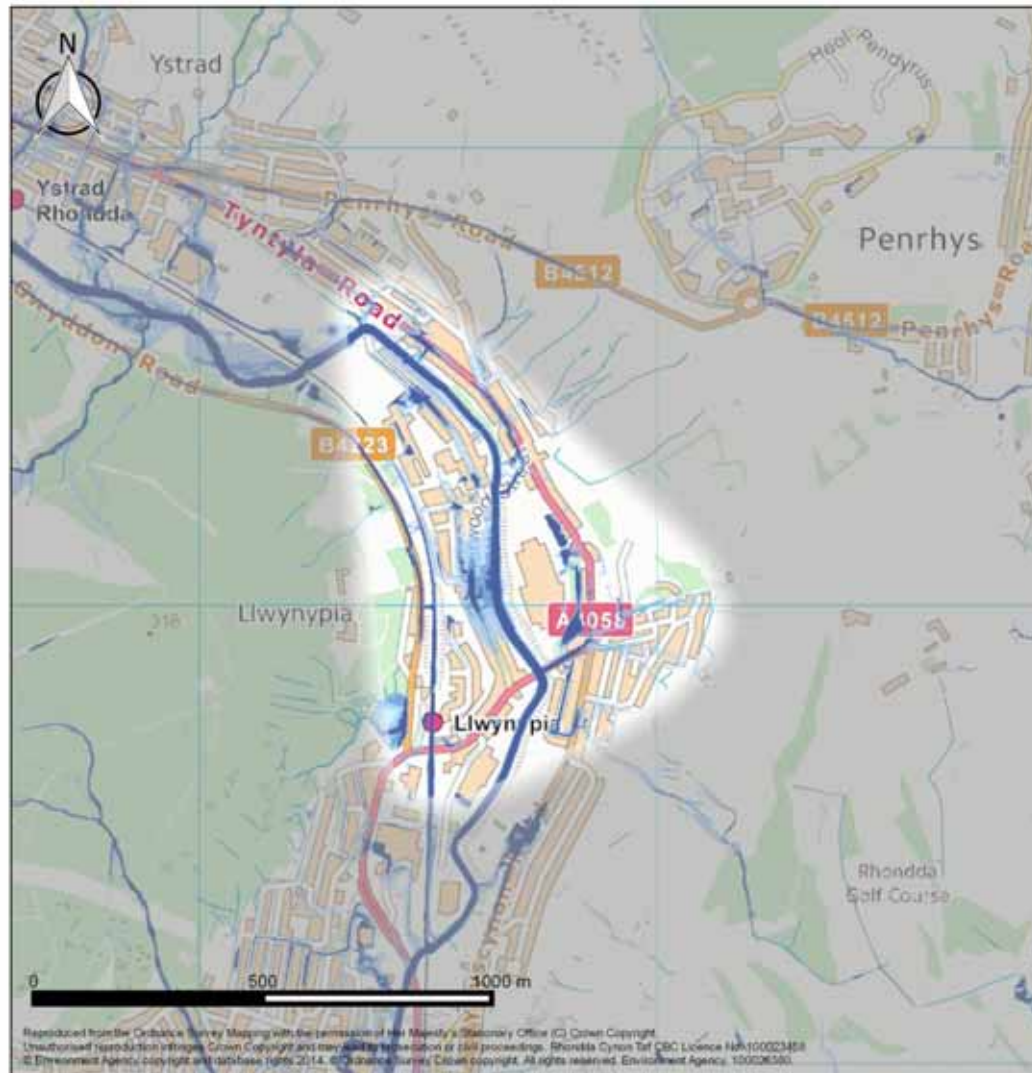
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1882	63	101	355
Services	3	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	141	4	5	19
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.3	0.03	0.2
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	24			
Highway	35			

Flood Risk Management Plan Measures for RCT0052

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0052	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0052



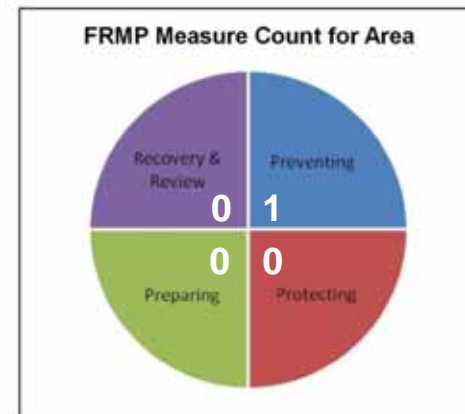
RCT0052

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0053

Flood Investigation Area RCT0053 is situated within the community area of Maerdy and the flood risk is considered to be sourced from a combination of ordinary watercourse and surface runoff. Of note is the flood risk posed from the culvert inlet of unnamed watercourses to areas in the vicinity of Glanville Terrace and Oxford Street. The area surrounding School Street is noted to be at risk from surface runoff. The possibility of surface water and Main River interaction is noted in the north of the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

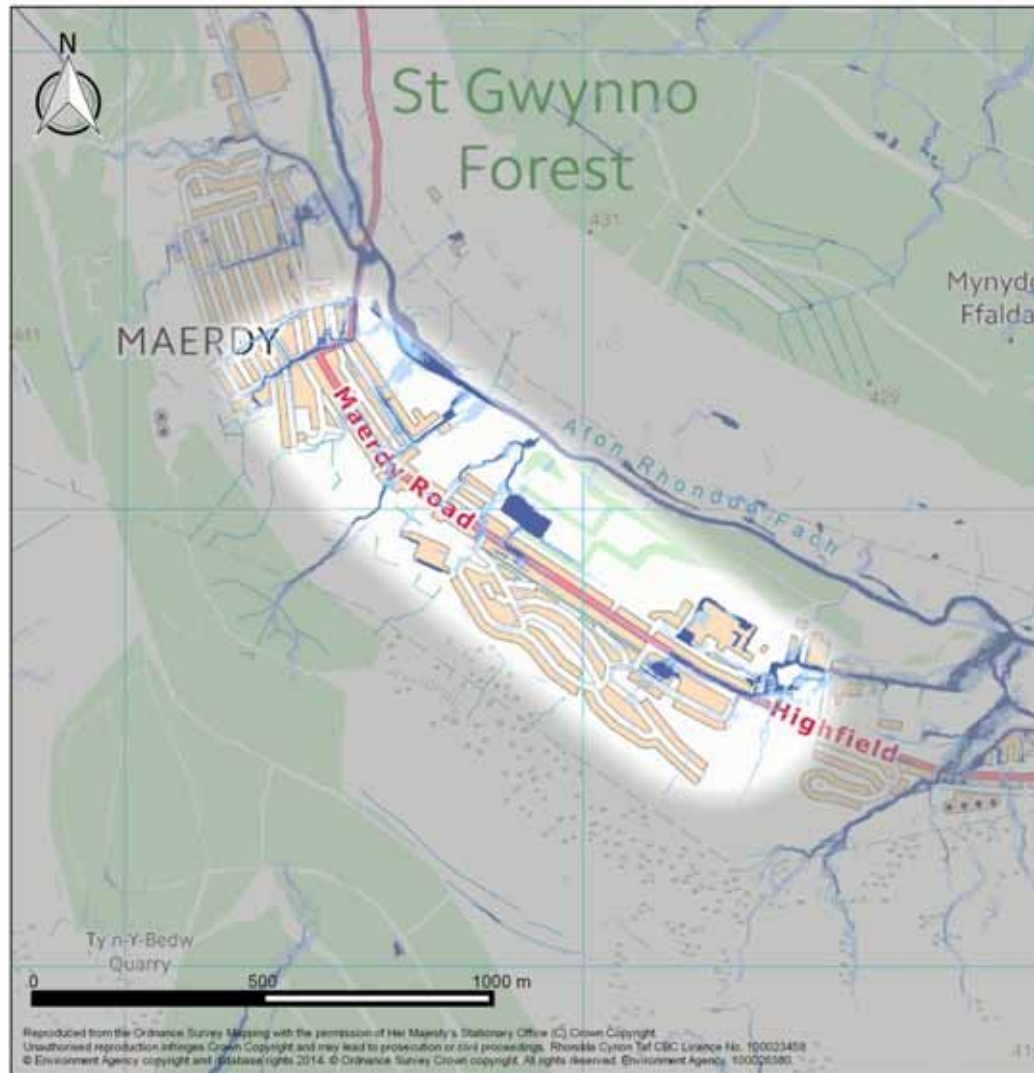
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0053

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2352	16	49	214
Services	2	0	0	2
ECONOMIC ACTIVITY				
Non Residential Properties	128	4	1	16
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	17			
Highway	13			

Flood Risk Management Plan Measures for RCT0053

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0053	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0053



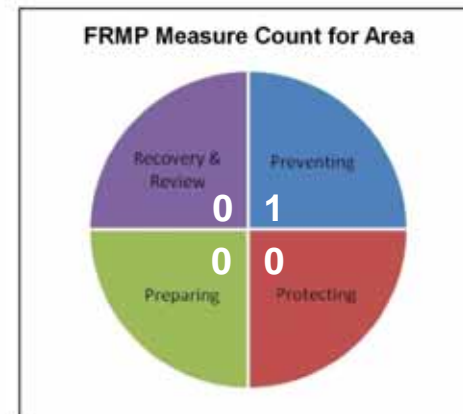
RCT0053

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0054

Flood Investigation Area RCT0054 is situated within the community area of Maerdy and the flood risk is considered to be sourced surface runoff. There are two principle flow paths noted to pose a risk to the highways network, particularly in the area of the Maerdy Filtration Plant (Water Works) in the north of the area and Park Road and North Terrace in the south of the area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flood incidents reported to the authority and the risk posed by the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

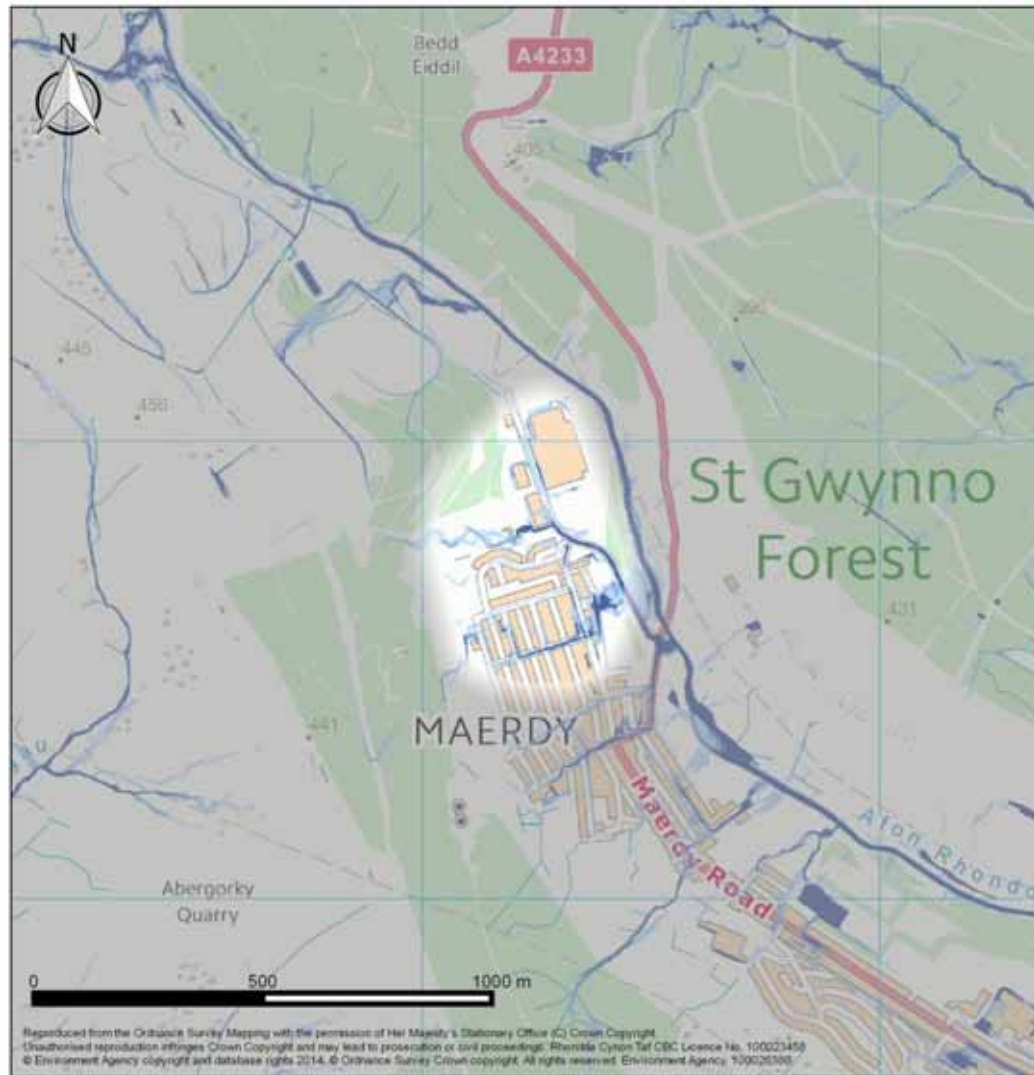
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0054

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	632	19	16	78
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	49	2	0	5
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	2			

Flood Risk Management Plan Measures for RCT0054

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0054	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0054



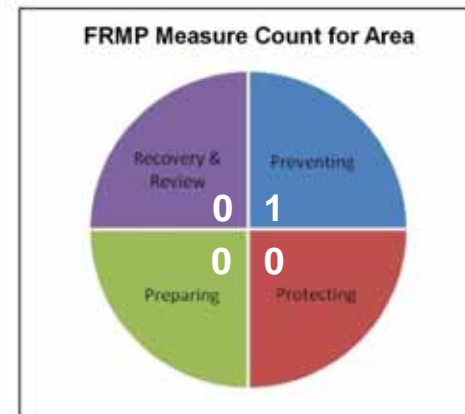
RCT0054

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0055

Flood Investigation Area RCT0055 is situated within the community area of Mountain Ash East. The flood risk is likely to be attributed to two sources; the culvert inlet of Nant y Ffrwd and surface runoff. The risk of flooding is broadly noted along the highways network, with the highest risk observed along New Road, in the south of the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported incidents of property flooding and the risk posed within the uFMfSW; however, there is a good correlation of reported highway flooding and the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

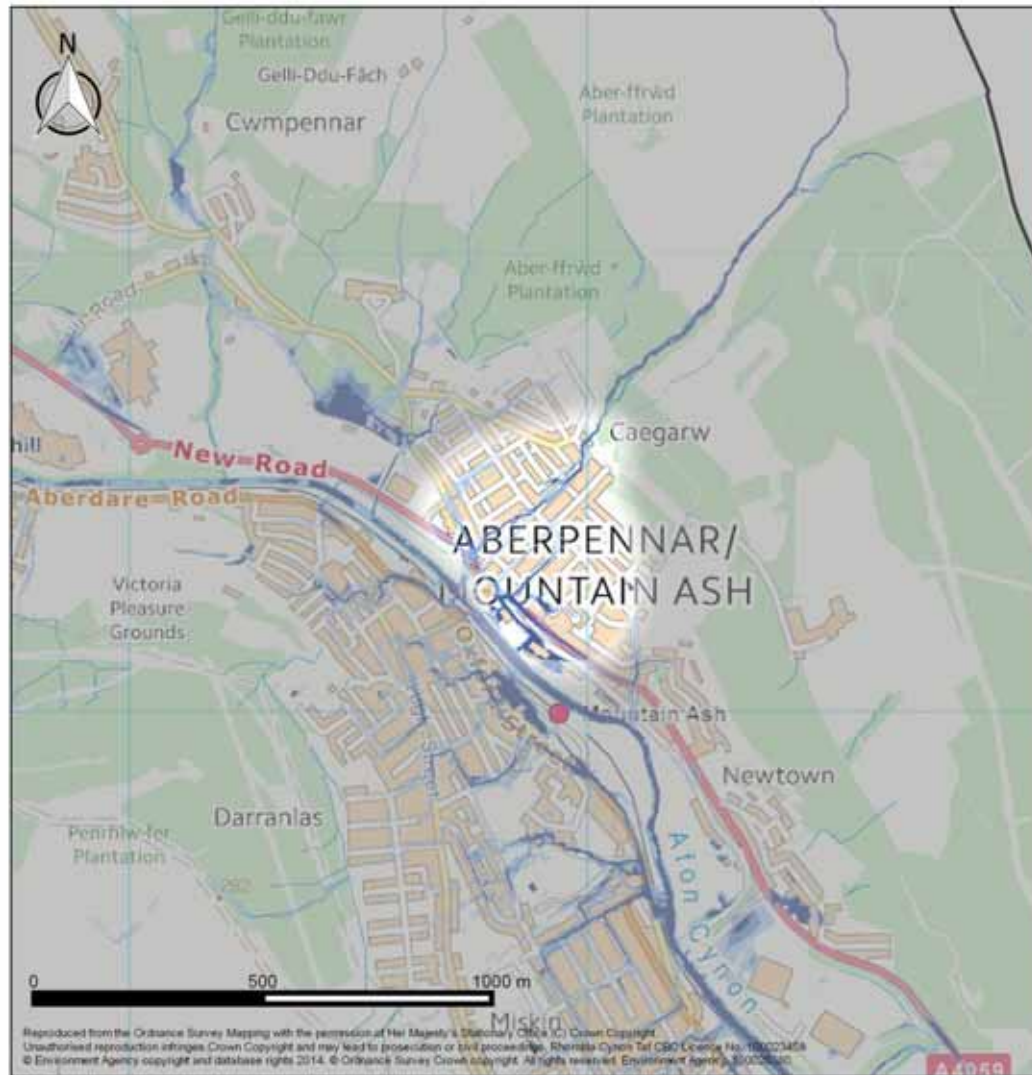
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0055

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1377	7	23	75
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	55	4	55	2
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	2	0.1	0.02	0.05
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	4	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	2			
Highway	6			

Flood Risk Management Plan Measures for RCT0055

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0055	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0055



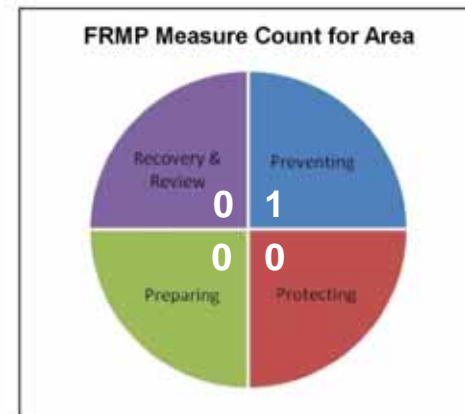
RCT0055

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0056

Flood Investigation Area RCT0056 is situated within Mountain Ash East. The flood risk presented within the uFMfSW is likely attributed to the culvert inlets of the Nant Geli-ddu-fach and confluence of two unnamed watercourse. A high flood risk is presented to the area surrounding Trem y Dyffryn.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is only one incident of property flooding with the area and this is not coincidental with the extents presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

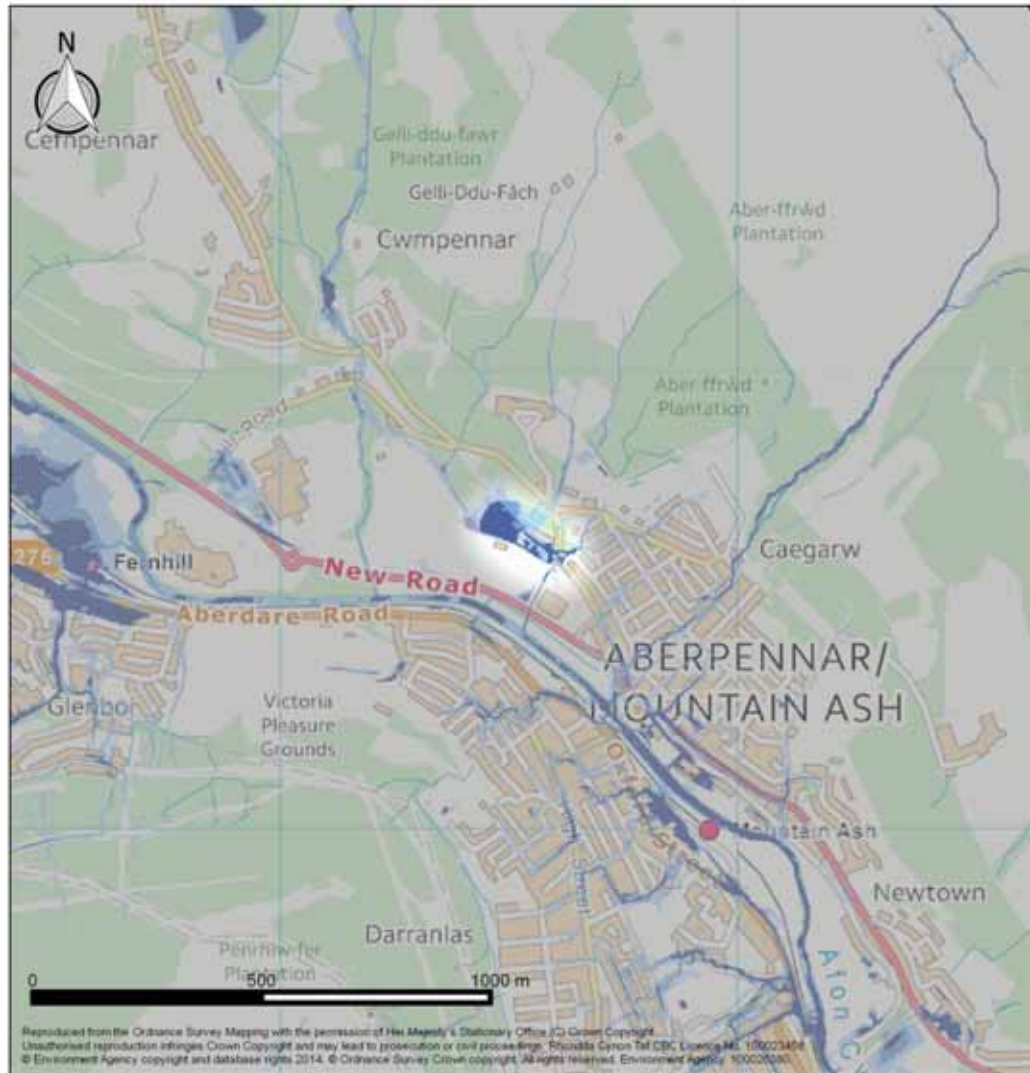
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0056

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	73	35	16	21
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	6	1	1	0
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	2	1	0.2	0.3
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0056

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0056	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0056



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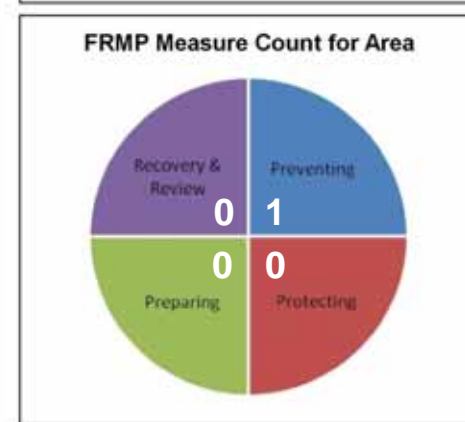
RCT0056

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0057

Flood Investigation Area RCT0057 is situated within the community area of Mountain Ash West and the flood risk is considered to be sourced from ordinary watercourse within the area, notably the Cwm Boi and two unnamed watercourse (capacity and inlet). A large area of high risk is noted in the north of the Flood Investigation Area and it is anticipated that this linked to the culvert under the residential development and Aberdare Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation of flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

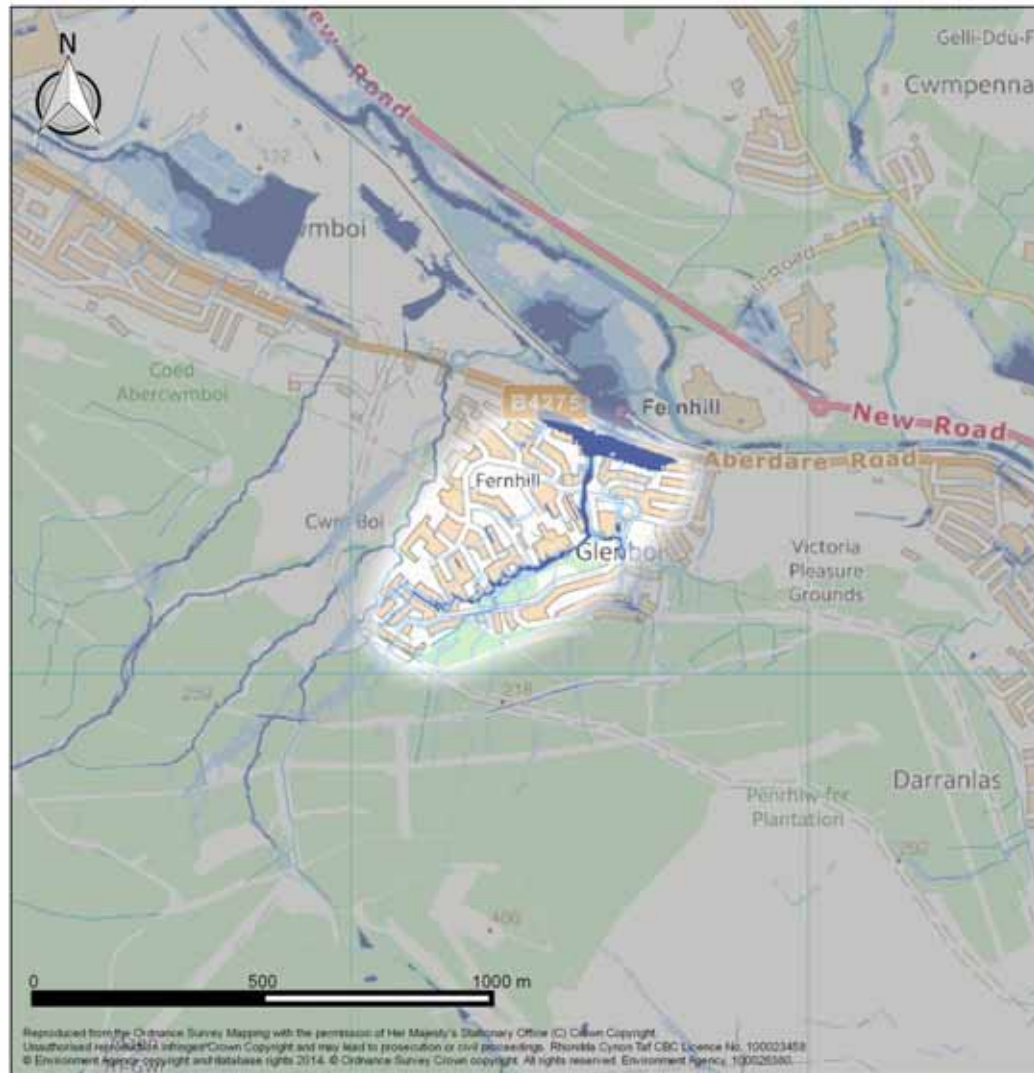
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0057

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1114	73	28	165
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	29	1	0	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	23	2	1	3
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	4			
Highway	4			

Flood Risk Management Plan Measures for RCT0057

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0057	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0057



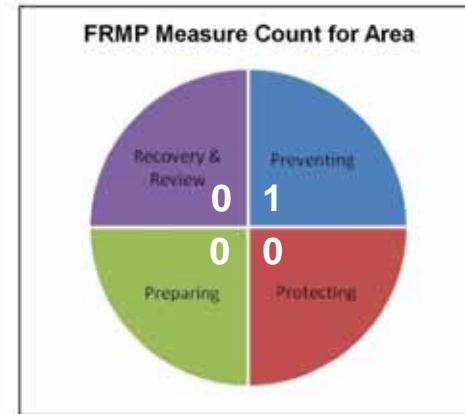
RCT0057

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0058

Flood Investigation Area RCT0058 is situated within the community area of Penrhiwceiber and the flood risk is considered to be sourced from surface runoff, notably in the area of Glanlay Street, Vaughan Terrace and Glasbrook Terrace, also posing a flood risk to the football ground and the railway line.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between flooding incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

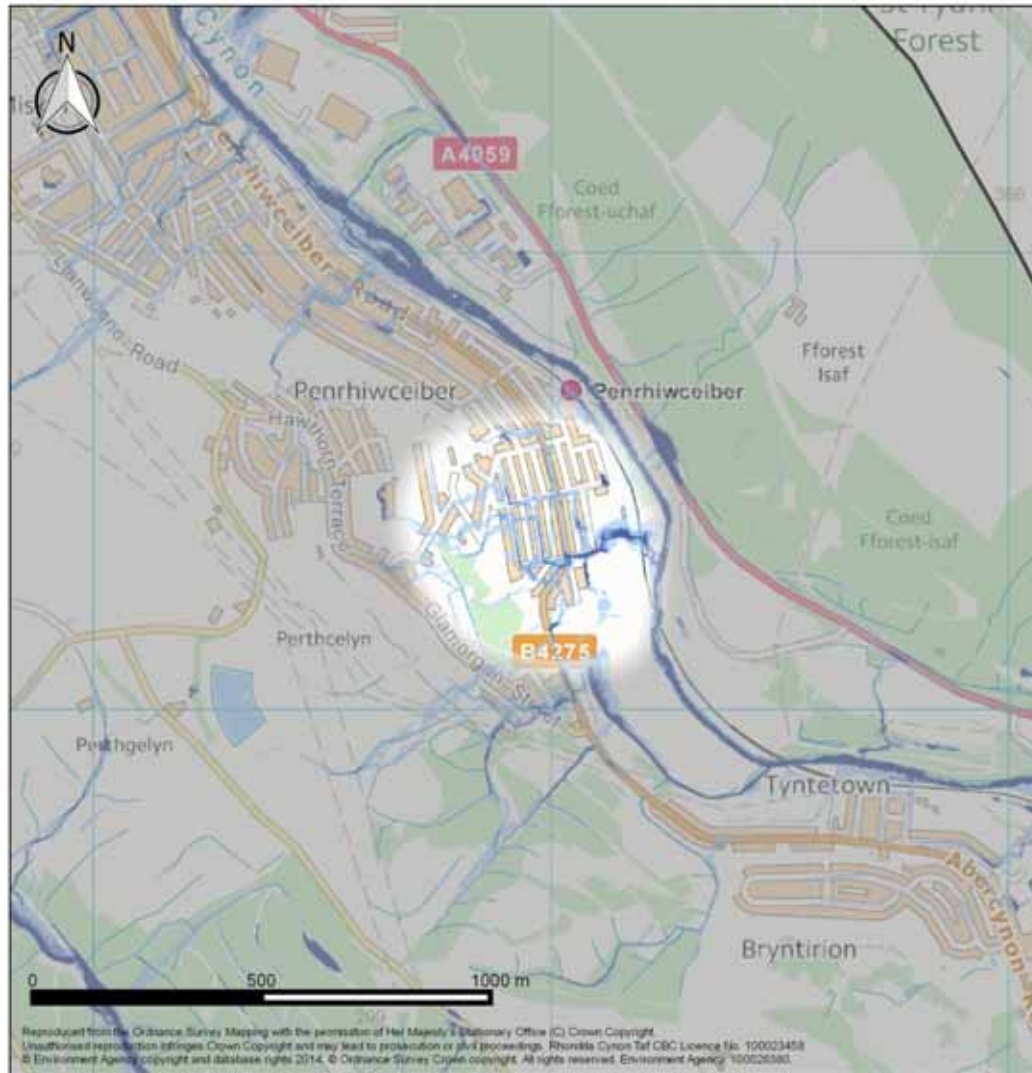
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0058

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1022	5	31	249
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	49	0	2	13
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.3	0.005	0.02	0.05
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	1
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	2			
Highway	10			

Flood Risk Management Plan Measures for RCT0058

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0058	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0058



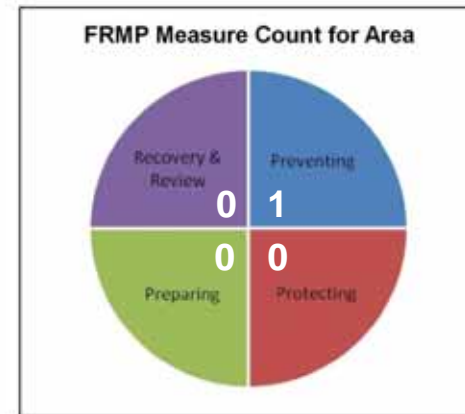
RCT0058

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0059

Flood Investigation Area RCT0059 is situated within the community areas of Penrhiwceiber and Mountain Ash West. The flood risk is considered to be sourced surface runoff. A low to high risk is identified in the area of Miskin and Darranlas.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flood incidents to the highway reported to the authority and the risk posed within the uFMfSW.

There is a good correlation between reported flood incidents to property and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

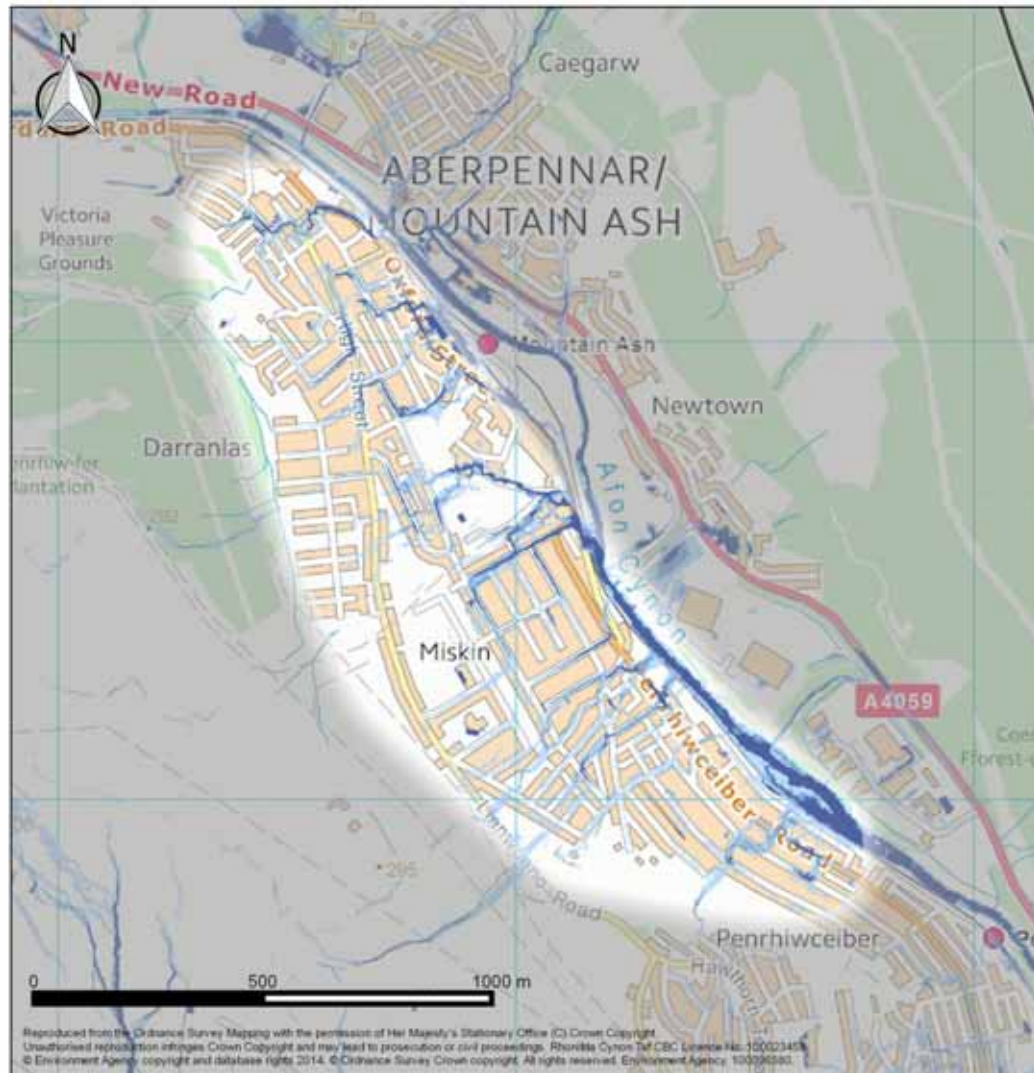
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0059

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	7160	75	139	837
Services	7	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	348	12	8	69
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.1	0.07	0.5
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	8			
External	19			
Highway	36			

Flood Risk Management Plan Measures for RCT0059

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0059	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0059



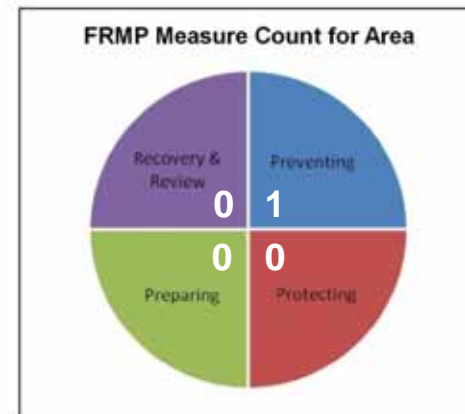
RCT0059

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0060

Flood Investigation Area RCT0060 is situated within the community areas of Pentre and Treorchy and the flood risk is considered to be attributed to two ordinary watercourses, sourced in the northeast at the top of the catchment. The highest risk of flooding is noted in the area of Volunteer Street, Baglan Street and Lewis Street. Much of the flood risk observed within the residential area is likely attributed to the water being held back by the railway embankment. Flood risk posed to the south of the railway is anticipated to be a combination of surface water and main river flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

A good correlation between reported property and highway flood incidents and the risk posed within the uFMfSW is noted.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0060

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2430	531	193	705
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	146	15	8	32
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.4	0.03	0.003	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	3	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	6			
External	11			
Highway	18			

Flood Risk Management Plan Measures for RCT0060

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0060	Local / Main River	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

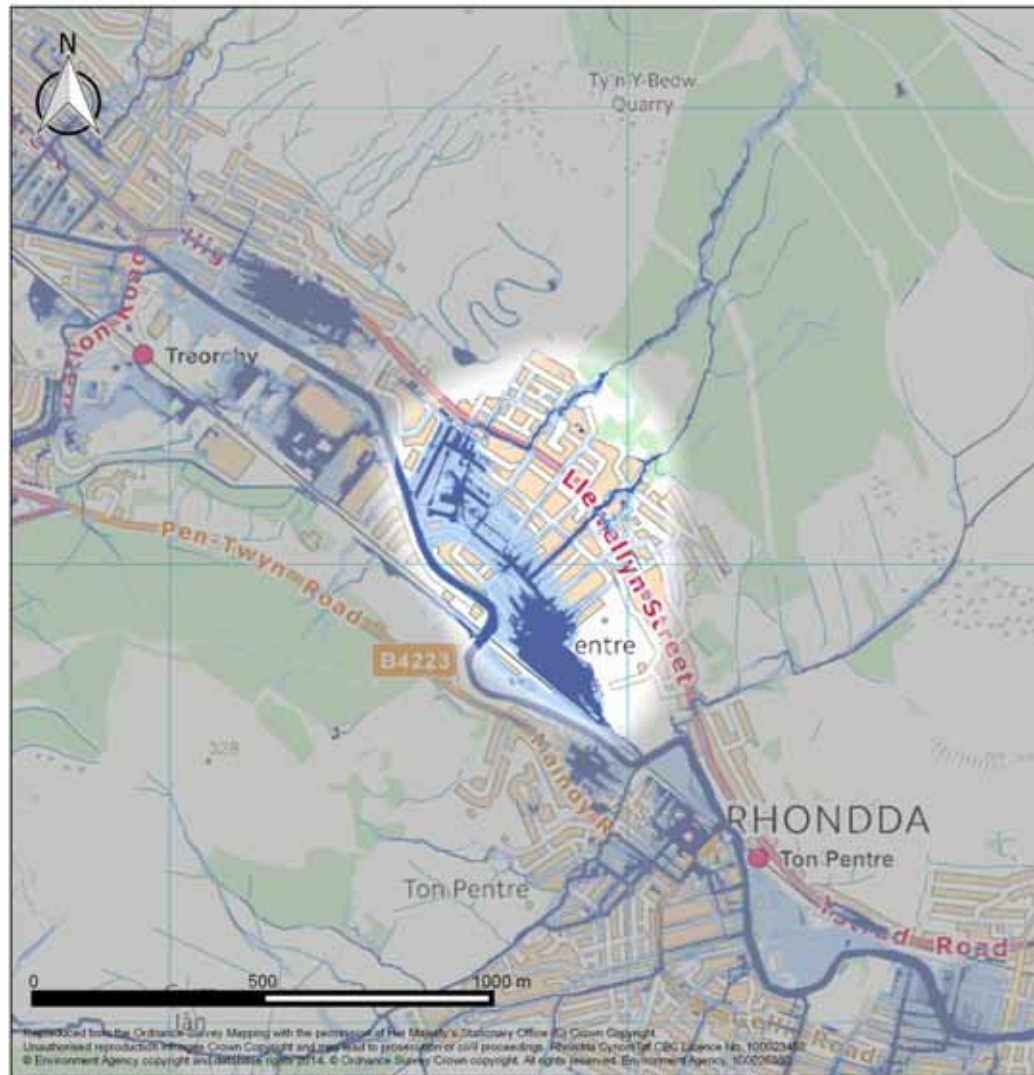
The draft Flood Risk Management Plan for the Severn River Basin District has proposed measures for the flood risk from main rivers that may provide an opportunity for collaborative working. The table below provides an excerpt from the Severn River Basin draft Flood Risk Management Plan.

Summary of Natural Wales Resources ongoing and proposed measures within Flood Investigation Area RCT0108

Location	Source	Measures	Measure Type	Link to SRBD FRMP objective*	Timing	Priority	Measure Status	Responsible Authority
Treorchy	Main River	Undertake initial assessment and feasibility work for reducing flood risk	M3 – Protection	1, 2	Current	Very High	Not Started Proposed	Natural Resources Wales
		Update Hydraulic Model	M3 – Protection	3	Current	Very High	On-going	Natural Resources Wales



*This FRMP objective link is specific to the Severn River Basin District Flood Risk Management Plan

uFMfSW for RCT0060



RCT0060

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0061

Flood Investigation Area RCT0061 is situated within the communities of Pentre and Ystrad and the flood risk is likely attributed to surface water (surface runoff and ordinary watercourse), notably the Nant la'n to the north and an unnamed watercourse to the south. There is the likelihood that a flood risk is posed from an interaction between surface water and Main River in the east of the area. A notable risk is identified in the area of Bailey Street, Queen Street and the area surrounding the church of St John the Baptist.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a very good correlation between flood incidents reported to the authority and the flood risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0061

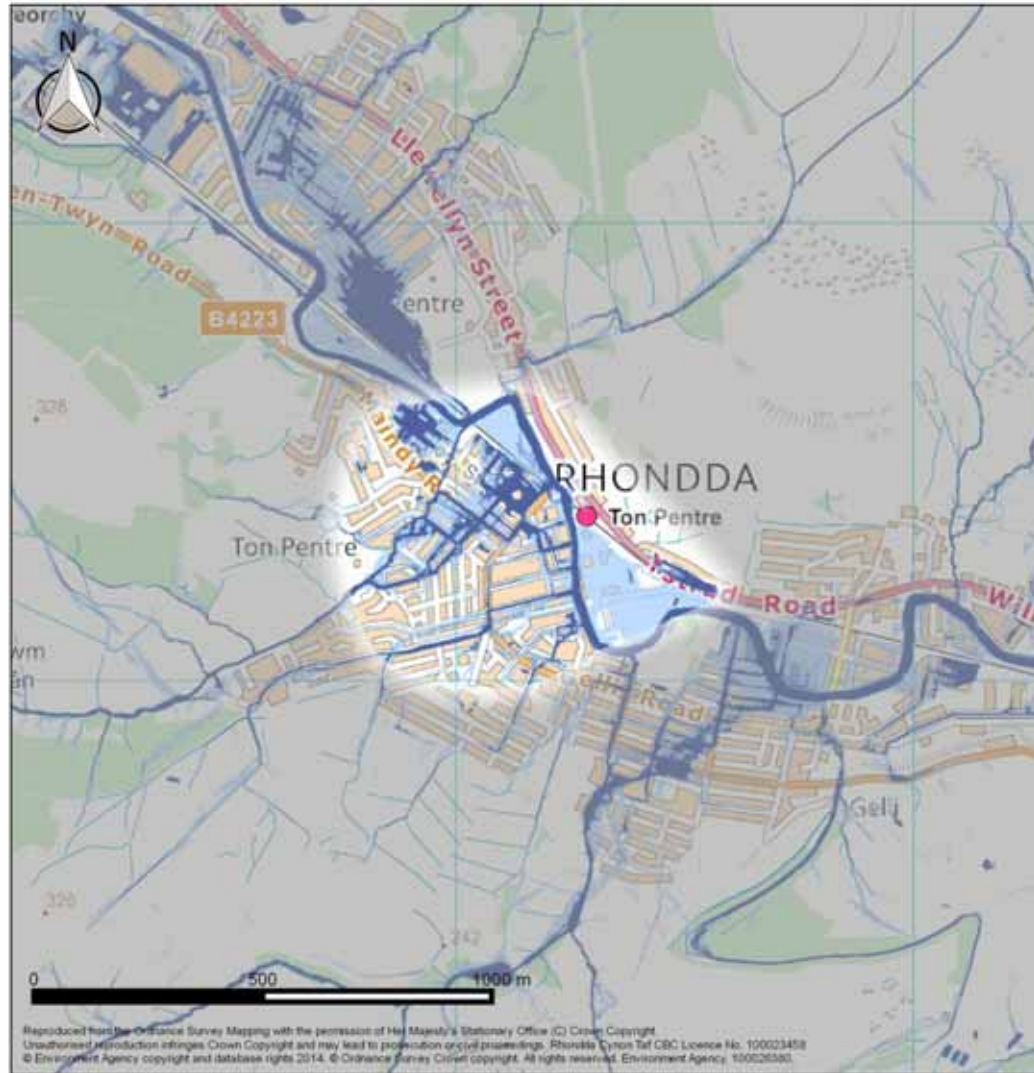
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2369	336	165	517
Services	5	1	1	2
ECONOMIC ACTIVITY				
Non Residential Properties	158	27	10	41
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.07	0.01	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	9			
Highway	18			

Flood Risk Management Plan Measures for RCT0061

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0061	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0061



RCT0061

Legend

-  RCTBoundary
 -  Flood Investigation Area
- Flooding Risk**
-  High
 -  Medium
 -  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0062

Flood Investigation Area RCT0062 is situated within the community area of Penygraig and the flood risk is considered to be attributed to several unnamed ordinary watercourse situated in the west of the area. The most notable flood risk is posed to the area surrounding Mikado Street and the A4119.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no flood incidents reported to the authority within this flood investigation area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

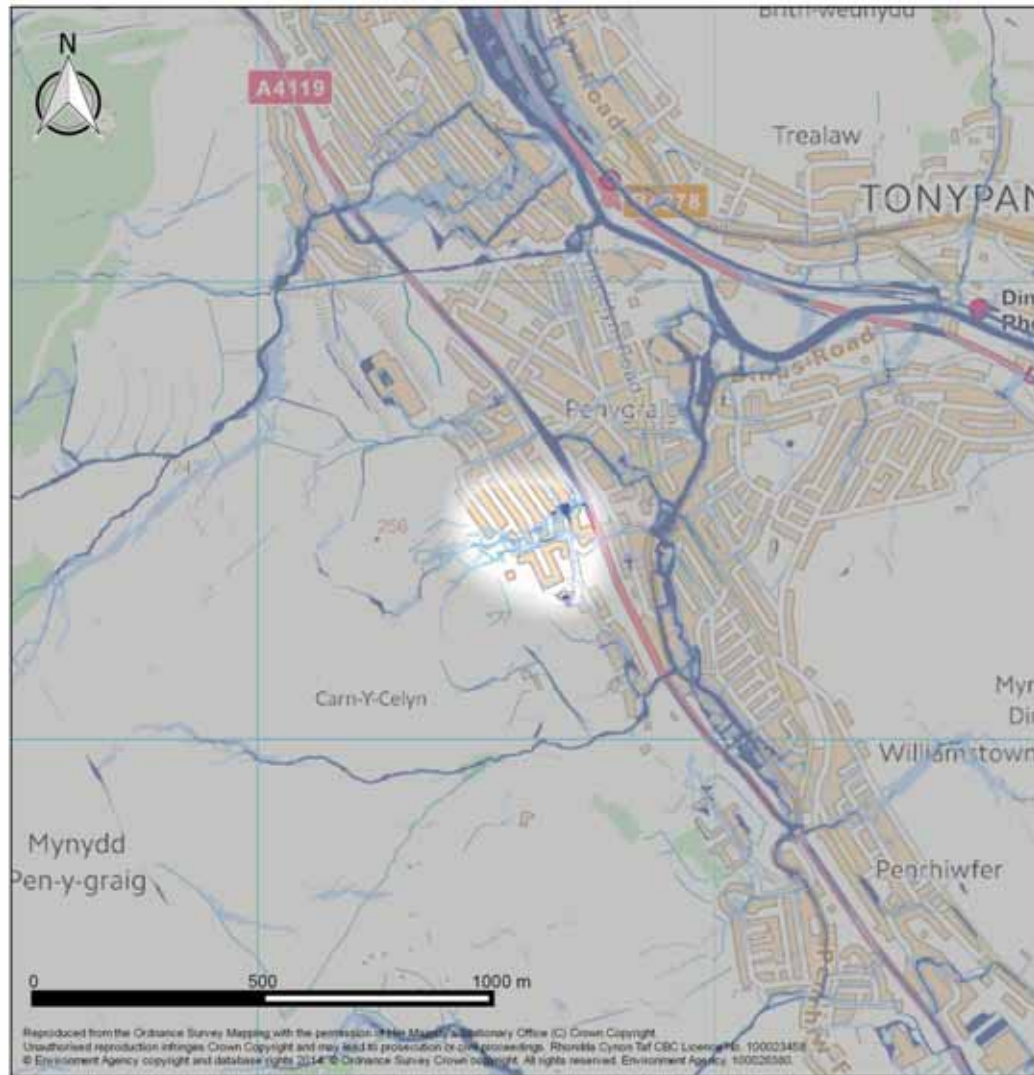
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0062

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	367	5	12	71
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	8	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0062

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0062	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0062



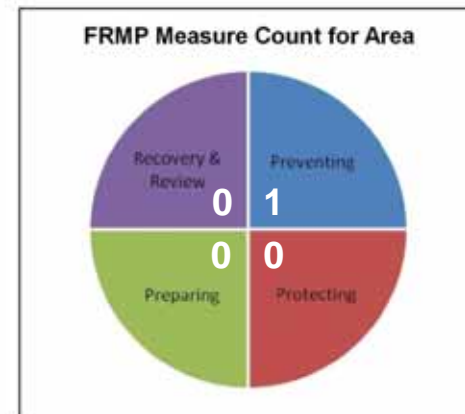
RCT0062

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0063

Flood Investigation Area RCT0063 is situated within Penygraig and the flood risk is considered to be attributed to a combination of surface water and main river flooding. The highest risk noted within the area is posed to areas surrounding Grovefield Terrace and Ffrwd Amos Industrial Estate in the north, Swan Terrace and Brook Street in the south and the A4119 and Middle Avenue in the northwest.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flooding to the highway and the risk presented within the uFMfSW; however, a poor correlation exists between flooding observed to property and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0063

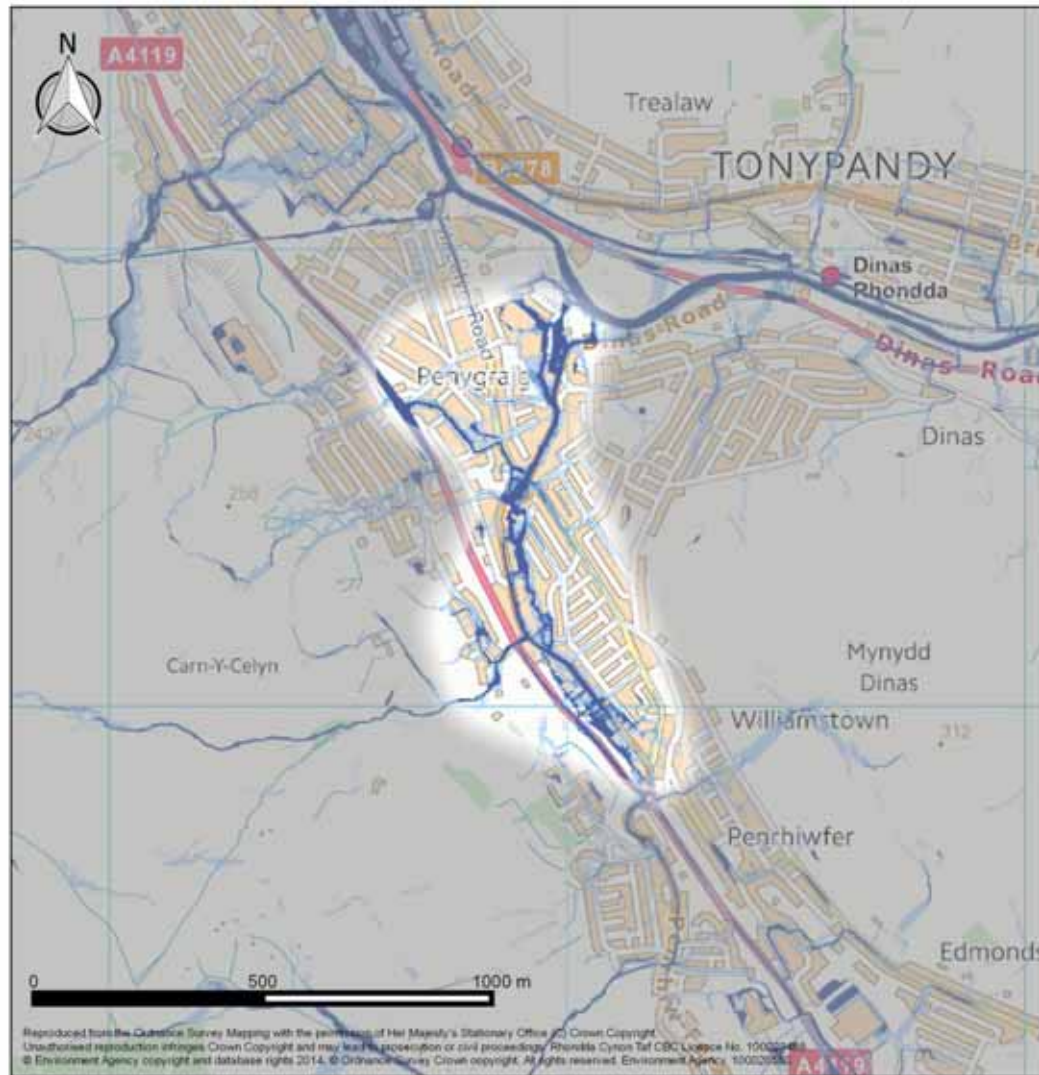
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2712	230	125	327
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	202	18	18	32
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	7			
Highway	7			

Flood Risk Management Plan Measures for RCT0063

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0063	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0063



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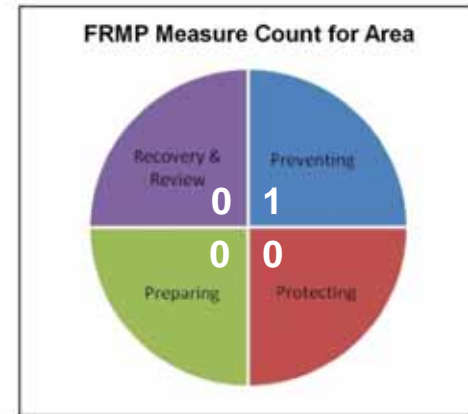
RCT0063

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0064

Flood Investigation Area RCT0064 is situated within Penywaun and the flood risk is likely to be attributed to an ordinary watercourse. The risk is most notable in the area of Trenant, with a high risk noted to pond on Hirwaun Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are few flood incidents reported to the area; however, a reasonable correlation exists between those reported and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

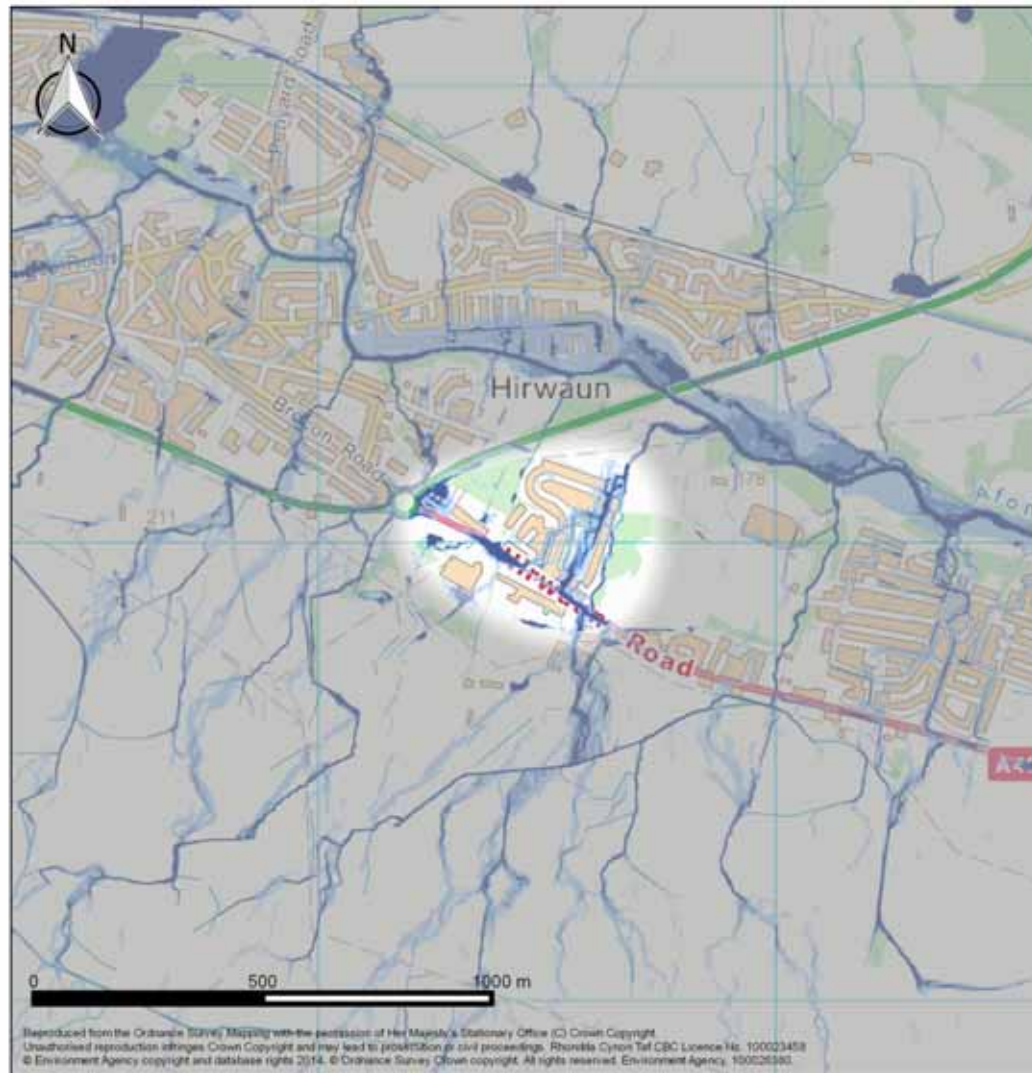
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0064

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	479	19	47	94
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	21	0	0	2
Airports	0	0	0	0
Roads (km)	0.09	0.03	0.0009	0.06
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	5			
Highway	5			

Flood Risk Management Plan Measures for RCT0064



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0064	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0064



RCT0064

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0065

Flood Investigation Area RCT0065 is situated within the community area of Penywaun and the flood risk is considered to be sourced from surface runoff. A low to high risk is identified across the residential, notably in the area surrounding Erw Las.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

No flood incidents identified within the area relate to internal property flooding; however, there is a good correlation between recorded flooding to the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

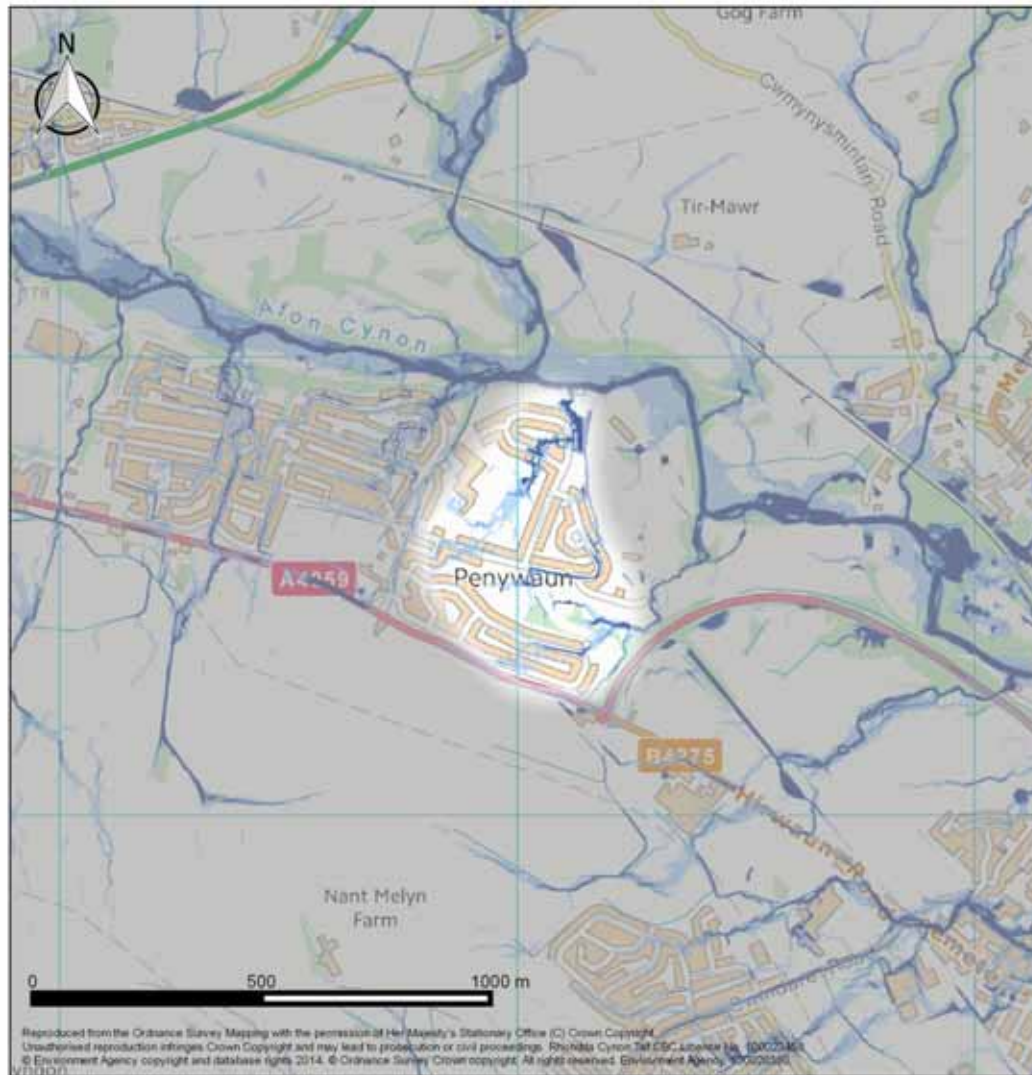
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0065

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	764	38	21	101
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	21	1	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	3			
Highway	6			

Flood Risk Management Plan Measures for RCT0065

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0065	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0065



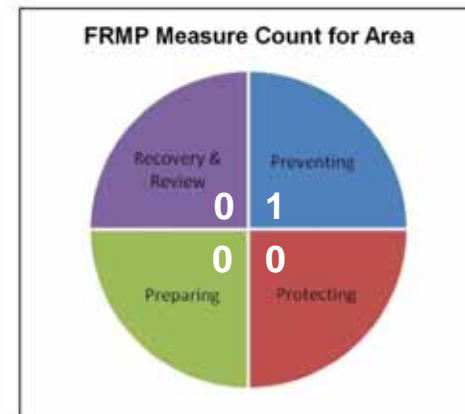
RCT0065

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0066

Flood Investigation Area RCT0066 is situated within Penywaun and the flood risk is considered to be sourced from surface runoff. The flood risk sourced from surface runoff is observed through the residential development, notably along the highways network. The highest risk is observed in the area surrounding Heol Bryn Gwyn, adjacent to the shopping centre, and sections of Dan-Yr-Heol and Pen-Yr-Heol.

Flooding from the Afon Cynon is observed within the flood plain and is not considered to pose a risk to people or property within the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between flood incidents reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

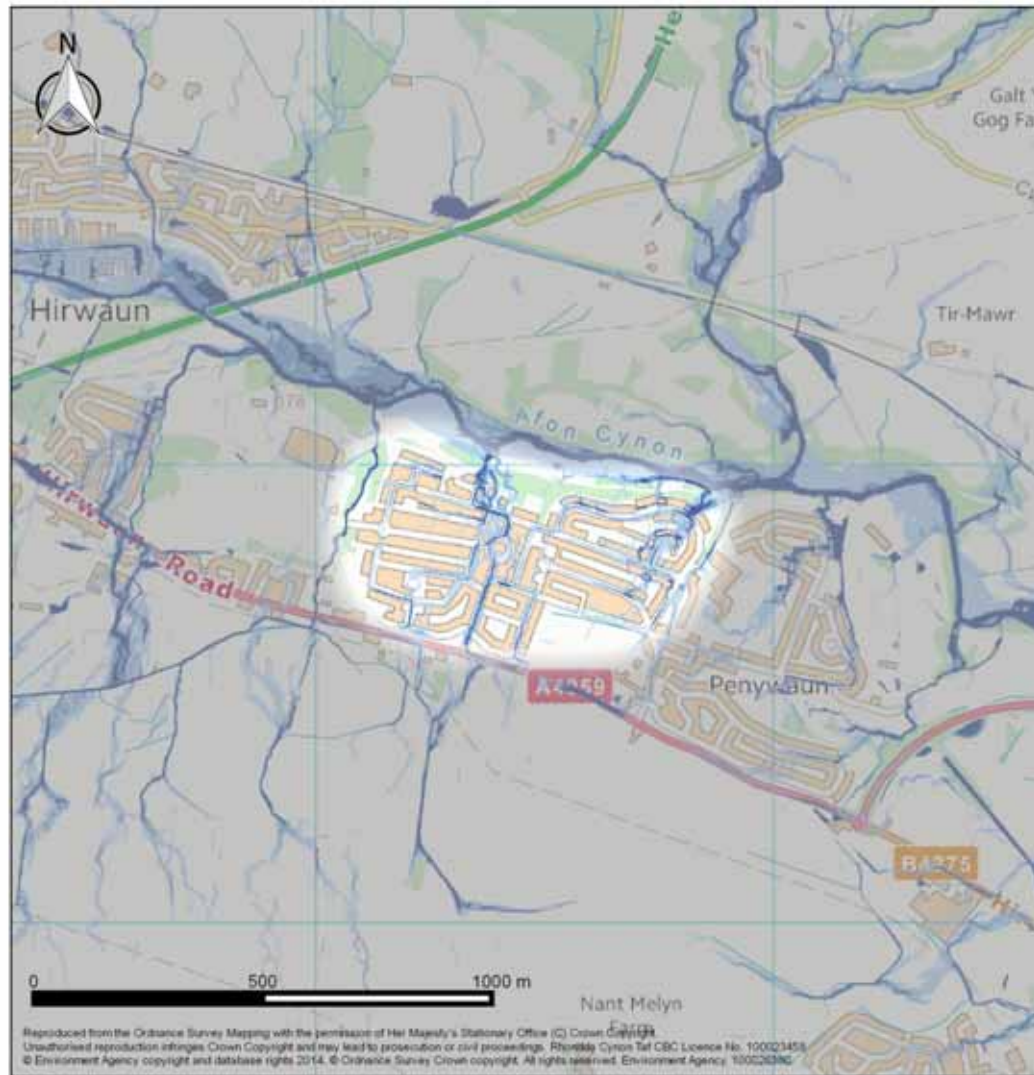
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0066

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1412	56	54	249
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	33	0	3	8
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	11			
Highway	7			

Flood Risk Management Plan Measures for RCT0066

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0066	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0066



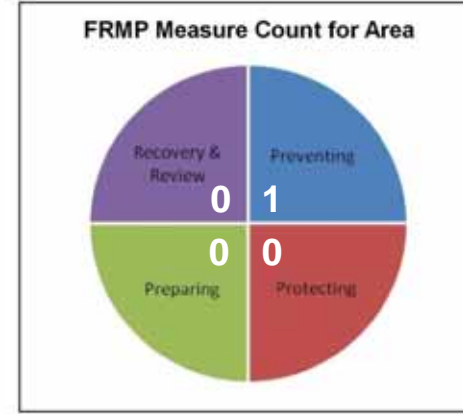
RCT0066

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0067

Flood Investigation Area RCT0067 is situated within the community area of Pontyclun and the flood risk is considered to be sourced from surface runoff. The highest flood risk is noted along School Road and St David's Road, both of which are situated within a depression.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no flood incidents reported to the authority within the area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

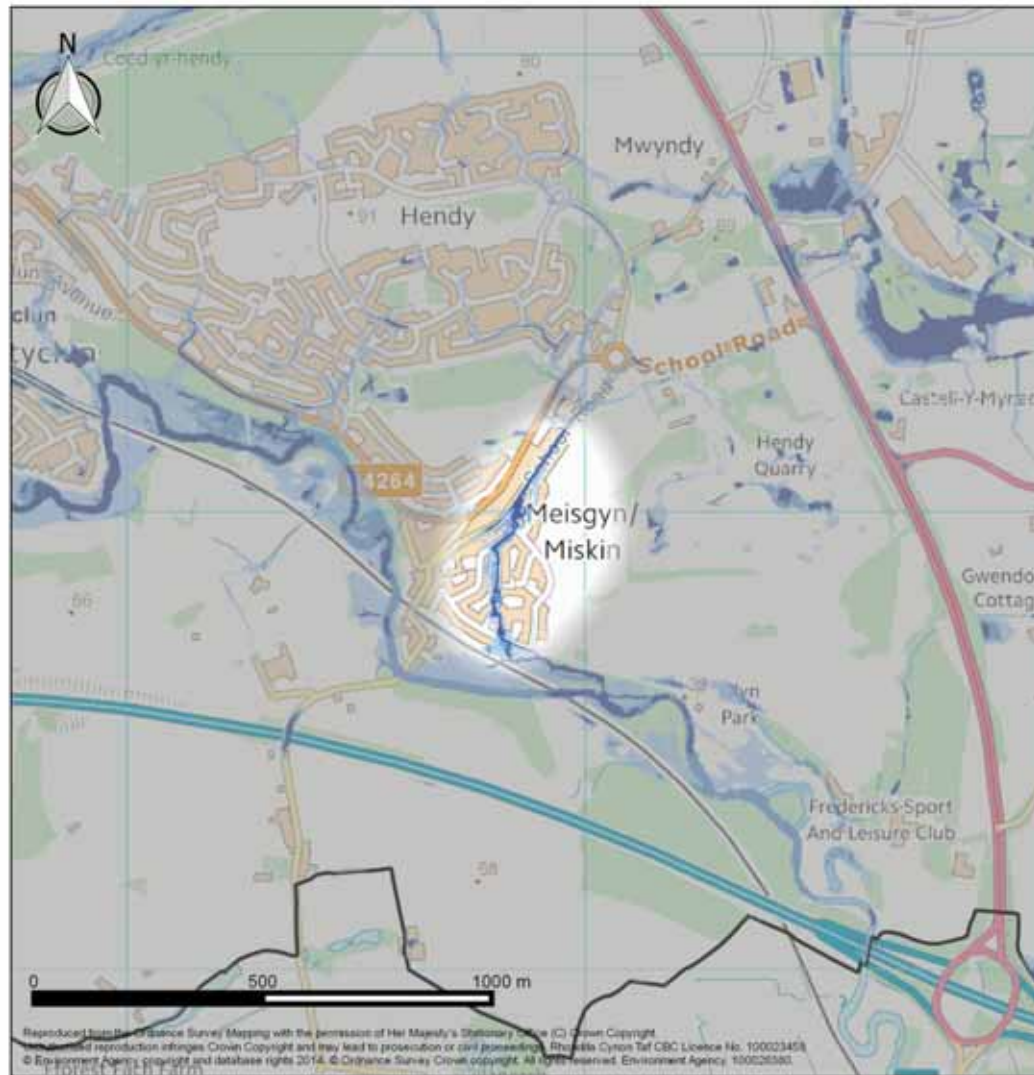
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0067

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	289	12	12	33
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	14	1	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	13	1	0.4	1
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0.4	0.03	0.02	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0067

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0067	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0067



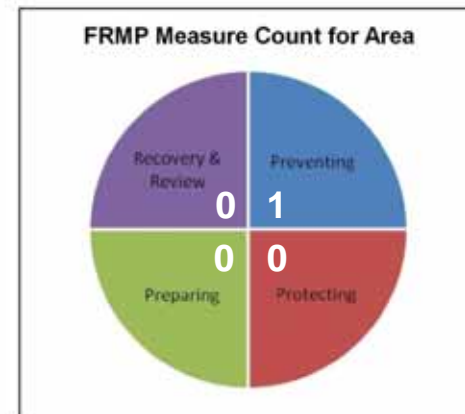
RCT0067

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0068

Flood Investigation Area RCT0068 is situated within the community areas of Pontyclun and Talbot Green. It is considered that the flood risk is attributed to an interaction between surface runoff and Main River flooding. The risk is commonly along the highway network.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no flood incidents reported to the authority within this area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0068

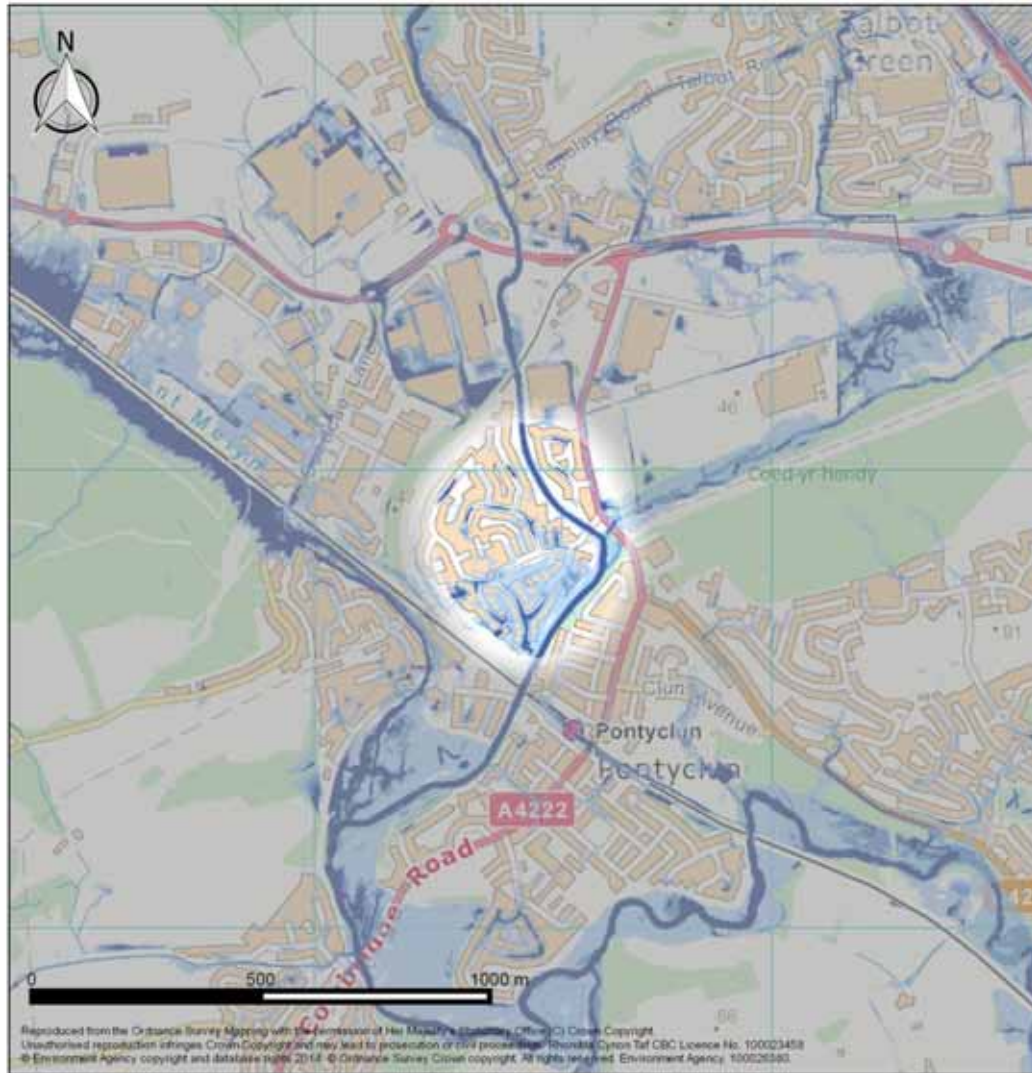
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	700	2	20	219
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	20	0	0	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	1			

Flood Risk Management Plan Measures for RCT0068

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0068	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0068



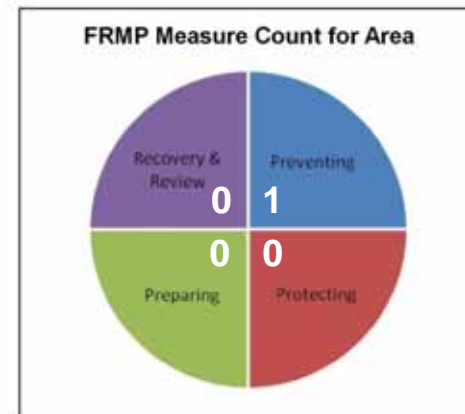
RCT0068

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0069

Flood Investigation Area RCT0069 is situated within the community area of Pontypridd Town. It is likely that the flood risk posed to the higher elevations is attributed to surface runoff, whilst the flood risk posed to the commercial properties along the southerly section of Taff Street are attributed to a combination of Main River and surface runoff. It is likely that the main risk posed by surface runoff is the area surrounding St David's Presbyterian Church and parts of Taff Street in the north of the area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flood incidents and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0069

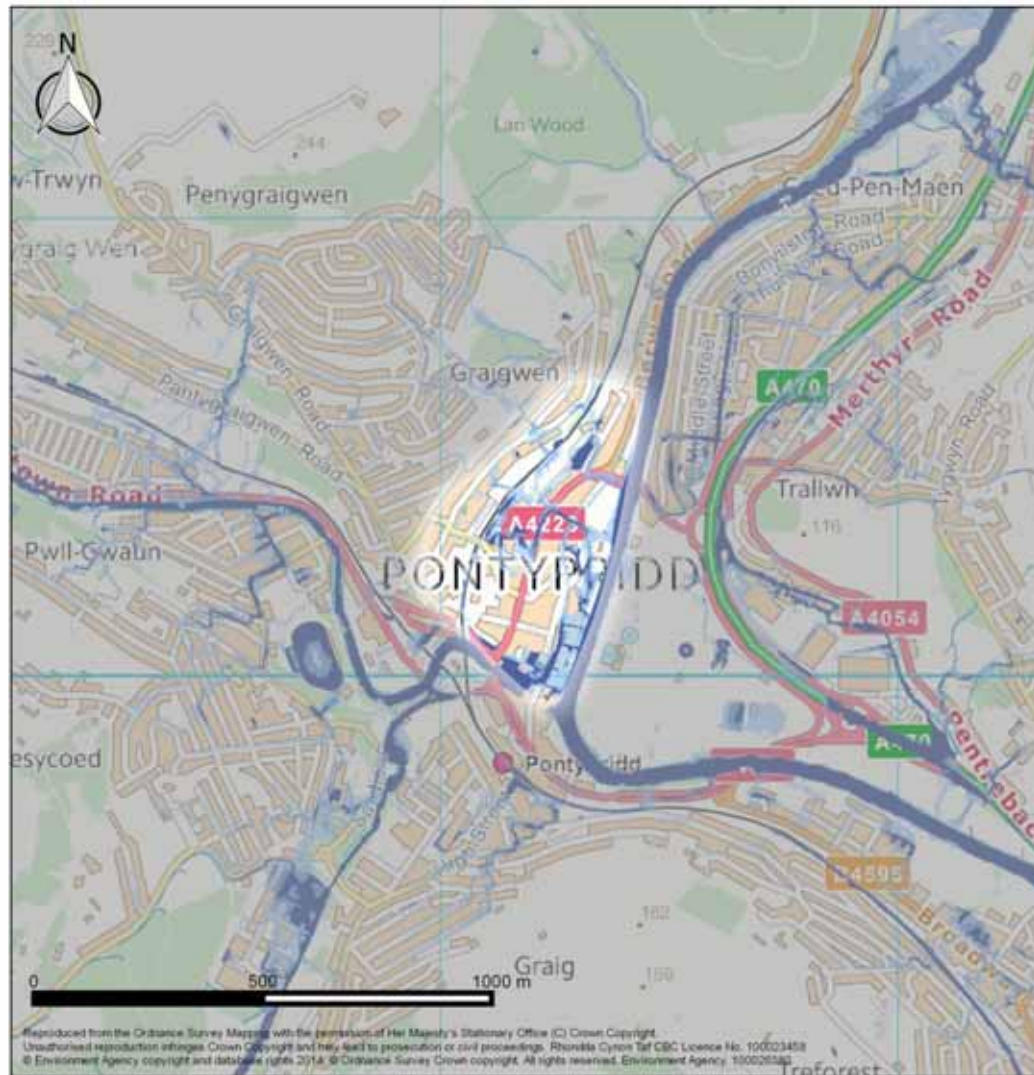
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	463	45	24	71
Services	4	1	2	0
ECONOMIC ACTIVITY				
Non Residential Properties	385	54	21	59
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.04	0.02	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0.004	0.003	0.00006	0.0002
Listed Buildings	25	0	0	1
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	5			
Highway	7			

Flood Risk Management Plan Measures for RCT0069

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0069	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Rescores Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0069



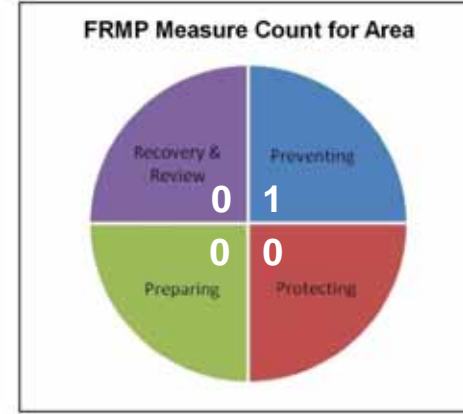
RCT0069

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0070

Flood Investigation Area RCT0070 is situated within the community area of Porth. The flood risk posed to the area is likely sourced from a combination of surface runoff and ordinary watercourse, notably the Nant Graig-ddu and a network of unnamed watercourse. The highest risk is associated with the area surrounding Cymmer Road and Appletree Road in the east and the junction of Dinas Road and Parc Afon in the west. Dinas Park is noted to be at a high risk of flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The one instance of highway flooding reported to the authority is consistent with the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

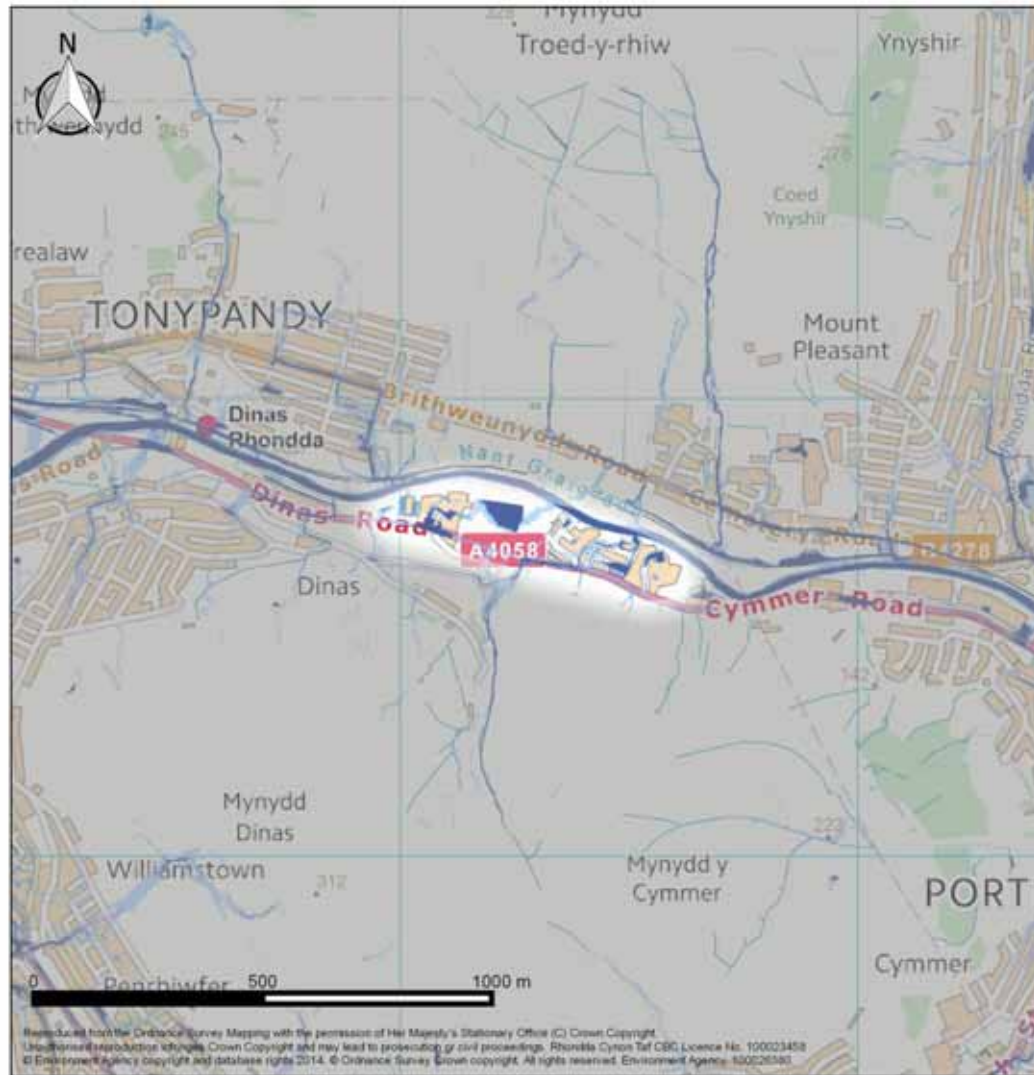
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0070

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	343	24	16	73
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	22	2	1	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	0			
Highway	3			

Flood Risk Management Plan Measures for RCT0070

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0070	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0070



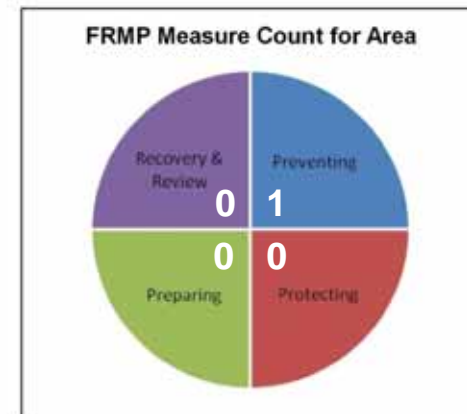
RCT0070

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0071

Flood Investigation Area RCT0071 is situated within the community areas of Porth, Cymmer and Ynyshir. The highest risk of flooding observed within the town of Porth is likely attributed to a combination between surface runoff and main river flooding, notably the confluence of the Rhondda River and the Afon Rhondda Fawr.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported flood incidents to the highway and to properties and the flood risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0071

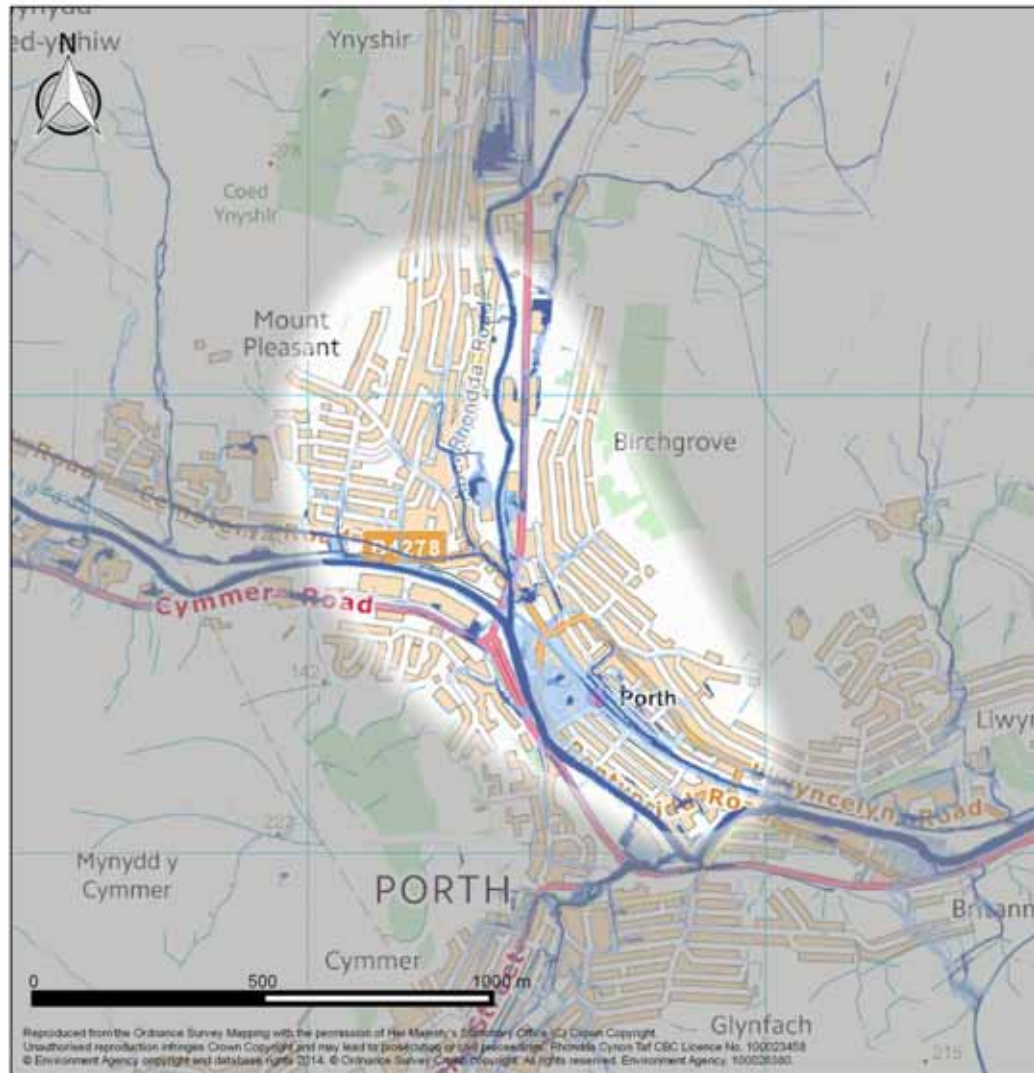
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	4105	56	35	357
Services	8	0	0	2
ECONOMIC ACTIVITY				
Non Residential Properties	286	3	3	57
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.4	0.1	0.3
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	10	0	1	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	11			
External	27			
Highway	43			

Flood Risk Management Plan Measures for RCT0071

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0071	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0071



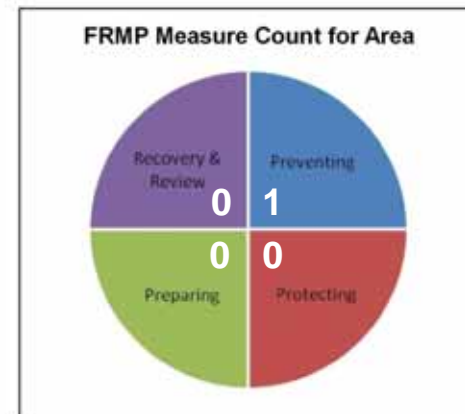
RCT0071

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0072

Flood Investigation Area RCT0072 is situated within the community areas of Rhigos and Hirwaun. The flood risk, which poses a high risk to Hirwaun Industrial Estate, is likely attributed to ordinary watercourse flooding. Sections of the A495 are at a high risk from surface water flooding. A risk is also posed to Tower Mineral Railway.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

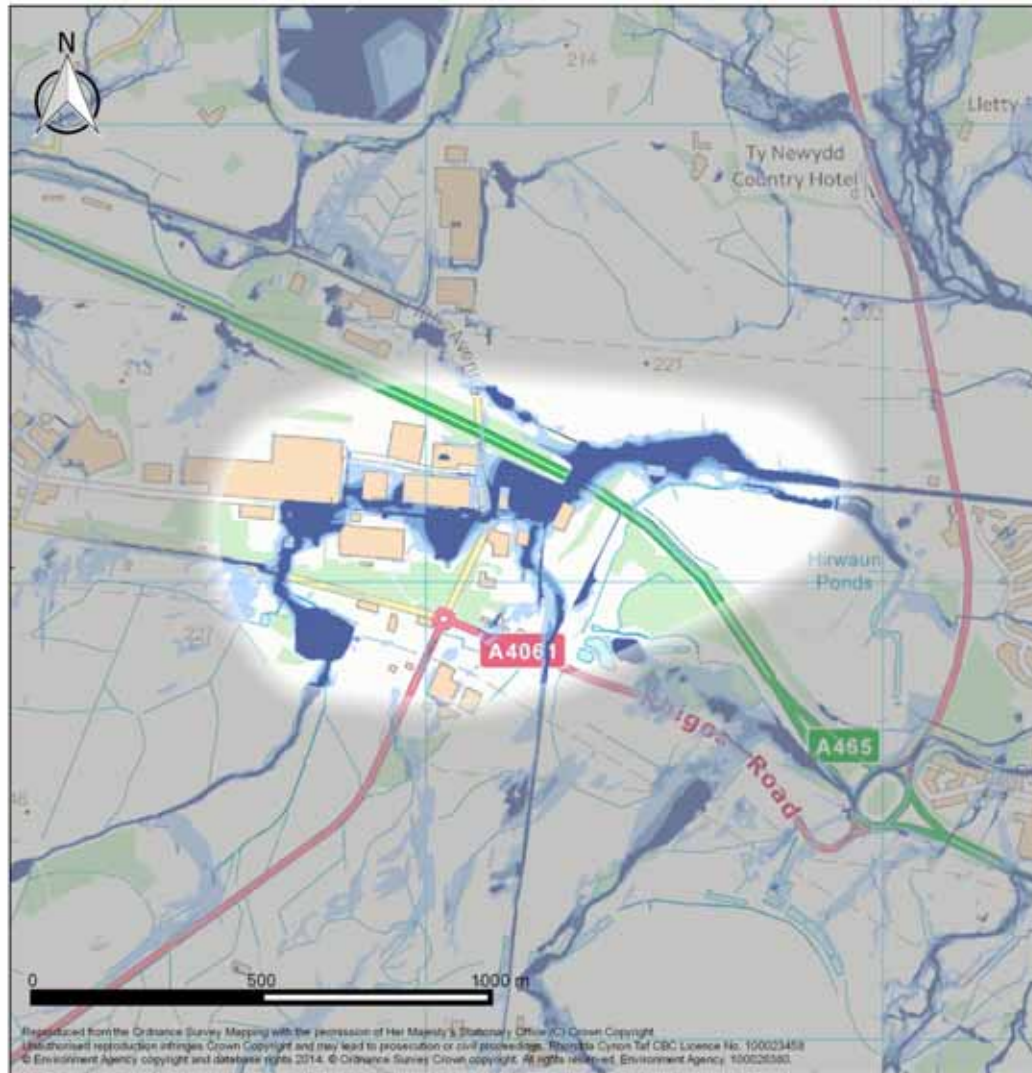
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0072

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	9	0	0	2
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	80	16	5	15
Airports	0	0	0	0
Roads (km)	2	0.05	0.03	1
Railways (km)	1	0.5	0.02	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	7	0	1.4	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	7	1	0.3	0.5
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	1			
Highway	2			

Flood Risk Management Plan Measures for RCT0072

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0072	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0072



RCT0072

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0073

Flood Investigation Area RCT0073 is situated within the community areas of Rhondda and Pontypridd Town. The risk posed to the Flood Investigation Area is considered to be a combination of surface runoff and ordinary watercourse. The risk posed to Sardis Road is anticipated to be from the culvert inlet of the Nant Gelliwion. A high risk is posed to Sardis Road rugby club and this may be attributed to the lack of modelling of the culvert in the area. Within the centre of the Flood Investigation Area, the flood risk posed to the areas surrounding Seaton Street and Pwllgwaun Road is likely attributed to surface runoff; however, there may be the potential for interaction from Main River flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a very poor correlation between reported highway and property flooding and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

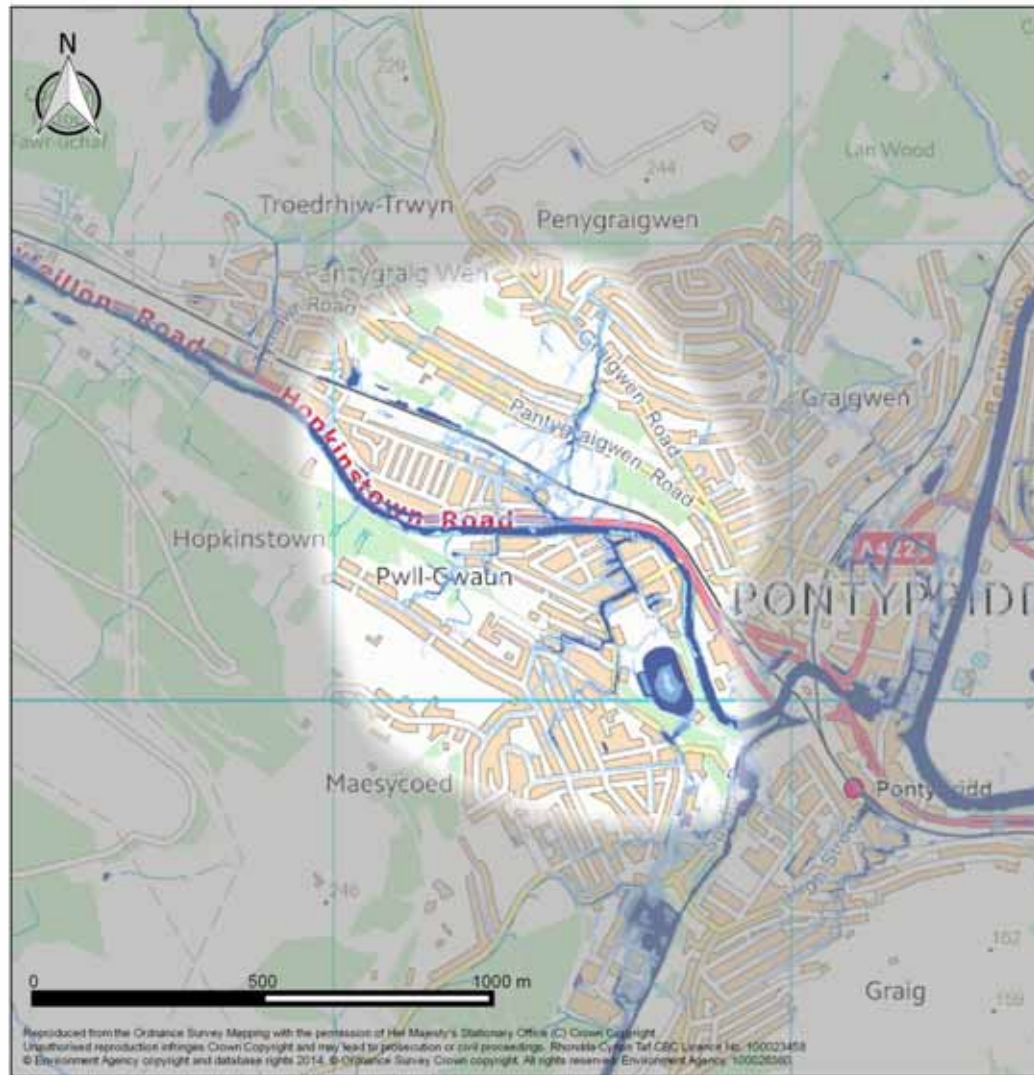
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0073

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	4246	52	75	364
Services	3	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	210	6	2	27
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0	0.02	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	16			
Highway	33			

Flood Risk Management Plan Measures for RCT0073

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0073	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0073



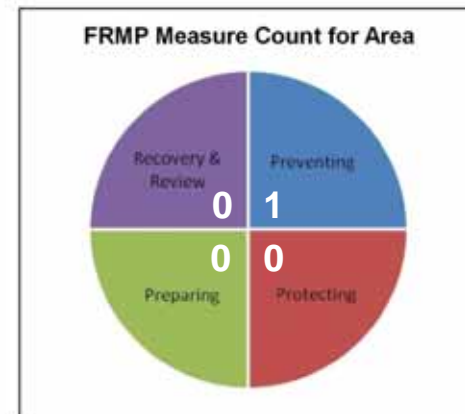
RCT0073

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0074

Flood Investigation Area RCT0074 sits within the community areas of Rhondda in the east and Cymmer in the west. It is considered that the risk posed to the area is predominantly the interaction of surface water flooding and Main River. The highest risk is posed to areas of residential development, the highways network and railway line, where it is situated beneath sections of ordinary watercourse culverted beneath the railway line, the A4058 and the residential development itself.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a broad correlation between flood incidents reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0074

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	881	165	150	392
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	34	2	2	12
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.5	0.03	0.1	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	1	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	7			
Highway	11			

Flood Risk Management Plan Measures for RCT0074

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0074	Local / Main River*	10	Land Management	M34 (Protection)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

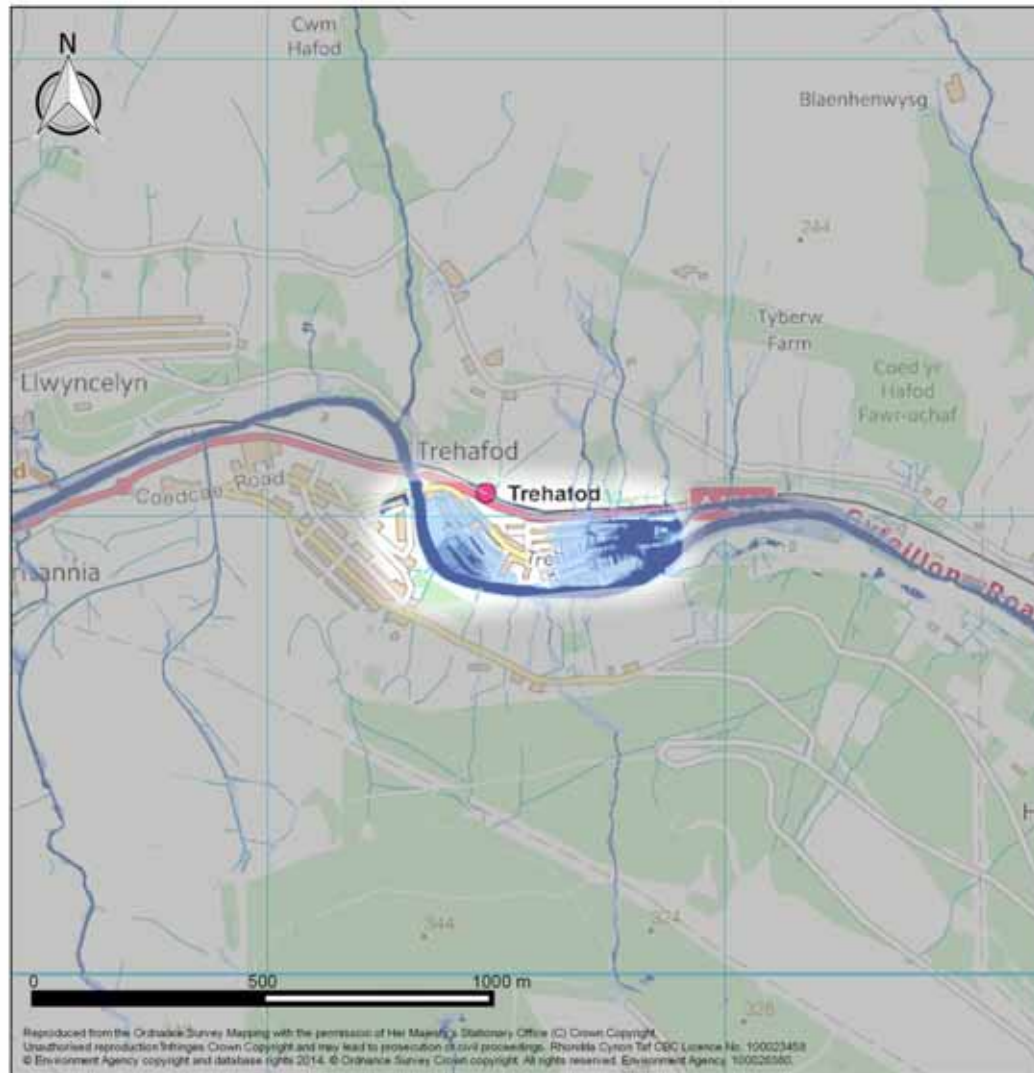
The draft Flood Risk Management Plan for the Severn River Basin District has proposed measures for the flood risk from main rivers that may provide an opportunity for collaborative working. The table below provides an excerpt from the Severn River Basin draft Flood Risk Management Plan.

Summary of Natural Wales Resources ongoing and proposed measures within Flood Investigation Area RCT0074

Location	Source	Measures	Measure Type	Link to SRBD FRMP objective*	Timing	Priority	Measure Status	Responsible Authority
Trehafod	Main River	Undertake initial assessment and feasibility work for reducing flood risk	M3 – Protection	1, 2	Current	Very High	Not Started Proposed	Natural Resources Wales
		Update Hydraulic Model	M3 – Protection	3	Current	Very High	On-going	Natural Resources Wales
		Maintain completed community flood plan	M4 – Preparedness	1, 4, 5	Current	Very High	On-going	Natural Resources Wales

*This FRMP objective link is specific to the Severn River Basin District Flood Risk Management Plan

uFMfSW for RCT0074



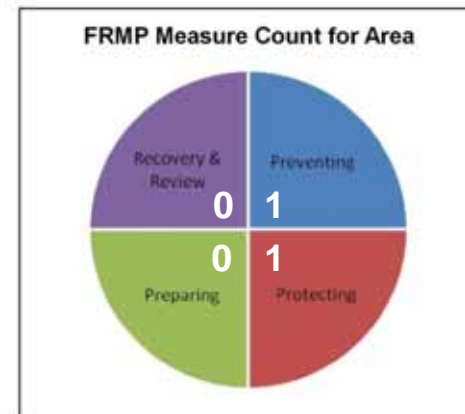
RCT0074

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0075

Flood Investigation Area RCT0075 is situated within the community areas of Rhydfelin and Hawthorn. The flood risk is considered to be sourced from ordinary watercourse. A risk of flooding is posed to Gelli Hirion Industrial Estate and stretches of the A470 are also at risk of flooding.

A risk of flooding is posed along sections of the Taff Trail in the north of the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a very poor correlation between reported external flooding to property and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

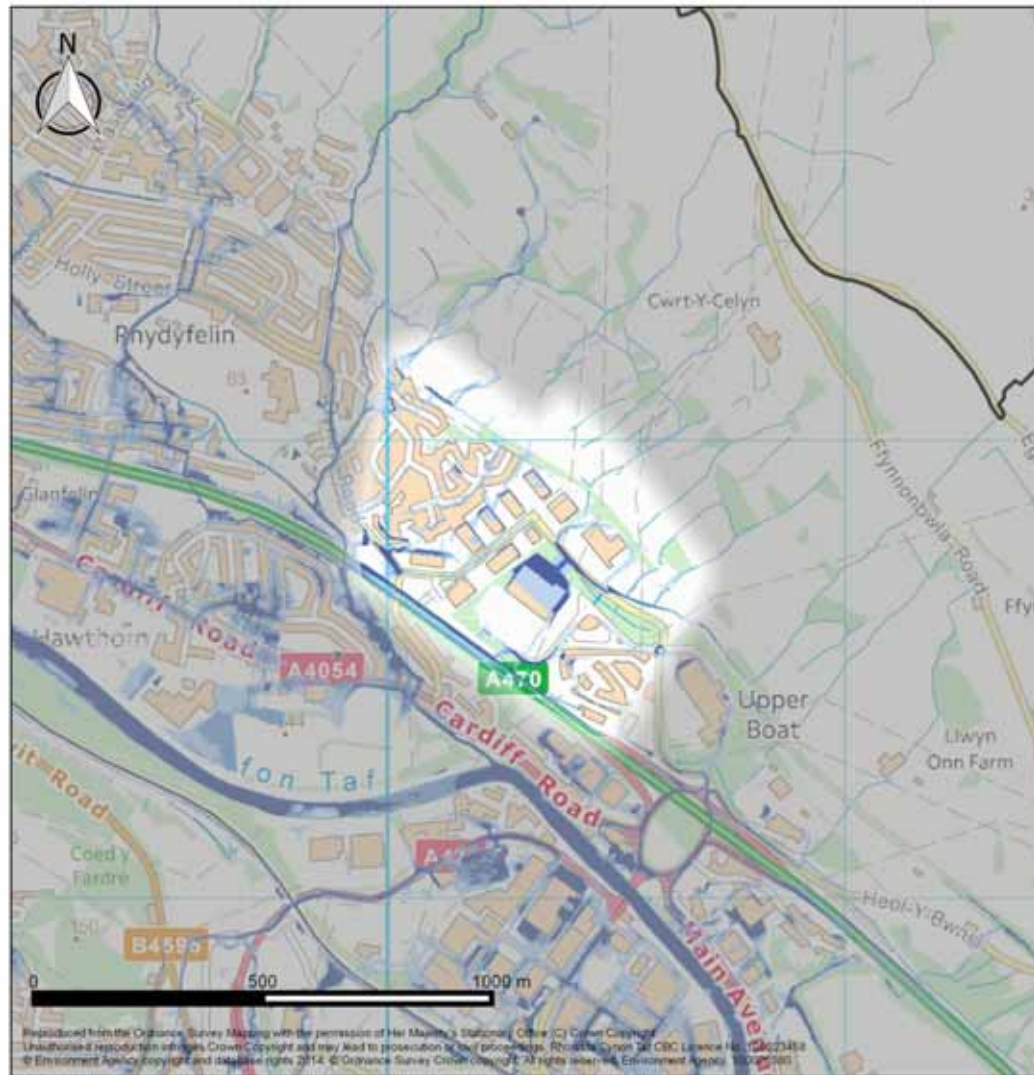
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0075

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	966	2	2	153
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	51	6	0	7
Airports	0	0	0	0
Roads (km)	1	0.1	0.4	0.4
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	0			

Flood Risk Management Plan Measures for RCT0075

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0075	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0075



RCT0075

Legend

- RCTBoundary
- Flood Investigation Area
- Flooding Risk**
- High
- Medium
- Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0076

Flood Investigation Area RCT0076 is situated within the community areas of Rhydfelin and Hawthorn and the flood risk is considered to be sourced from a combination of ordinary watercourse and surface runoff. A high flood risk is posed in the area of Shakespeare Rise in the north and Sycamore Street in the south.

The area of Rhydfelin has previously benefitted from a flood alleviation scheme. The benefits of this scheme have not been incorporated into the uFMfSW and the risk posed to the area is considered to be overstated.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

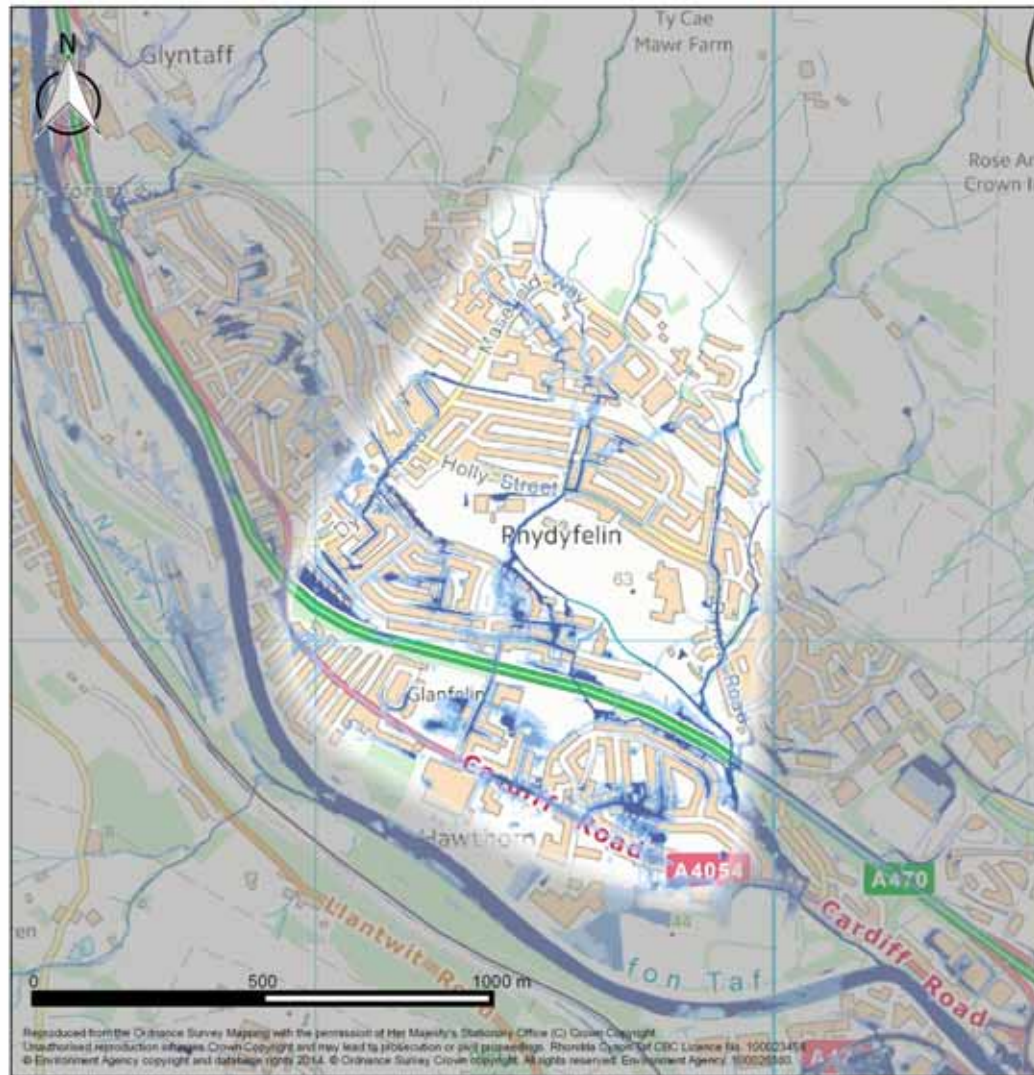
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0076

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	5024	136	270	651
Services	6	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	166	2	9	24
Airports	0	0	0	0
Roads (km)	2	0.05	0.03	0.09
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	12			
Highway	13			

Flood Risk Management Plan Measures for RCT0076

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0076	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Completed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Completed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Completed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Completed	RCTCBC

uFMfSW for RCT0076



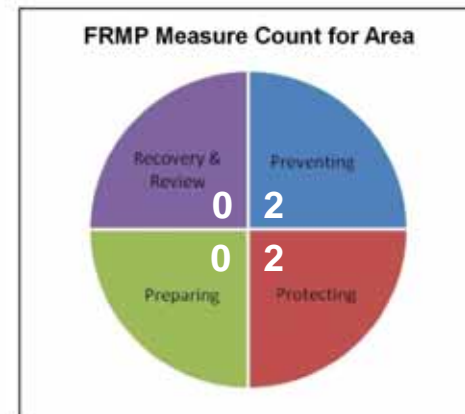
RCT0076

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0077

Flood Investigation Area RCT0077 is situated within the community area of Taffs Well and the risk posed within the uFMfSW is considered to be sourced from ordinary watercourse and surface runoff. The most significant flood risk observed within the Flood Investigation Area is likely to be attributed to the Nant y Brynau, posing a risk of flooding to the A470 and the Garth Works Industrial Estate. A low risk of flooding is posed to the railway line. The risk from surface runoff is noted within residential development.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between recorded flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

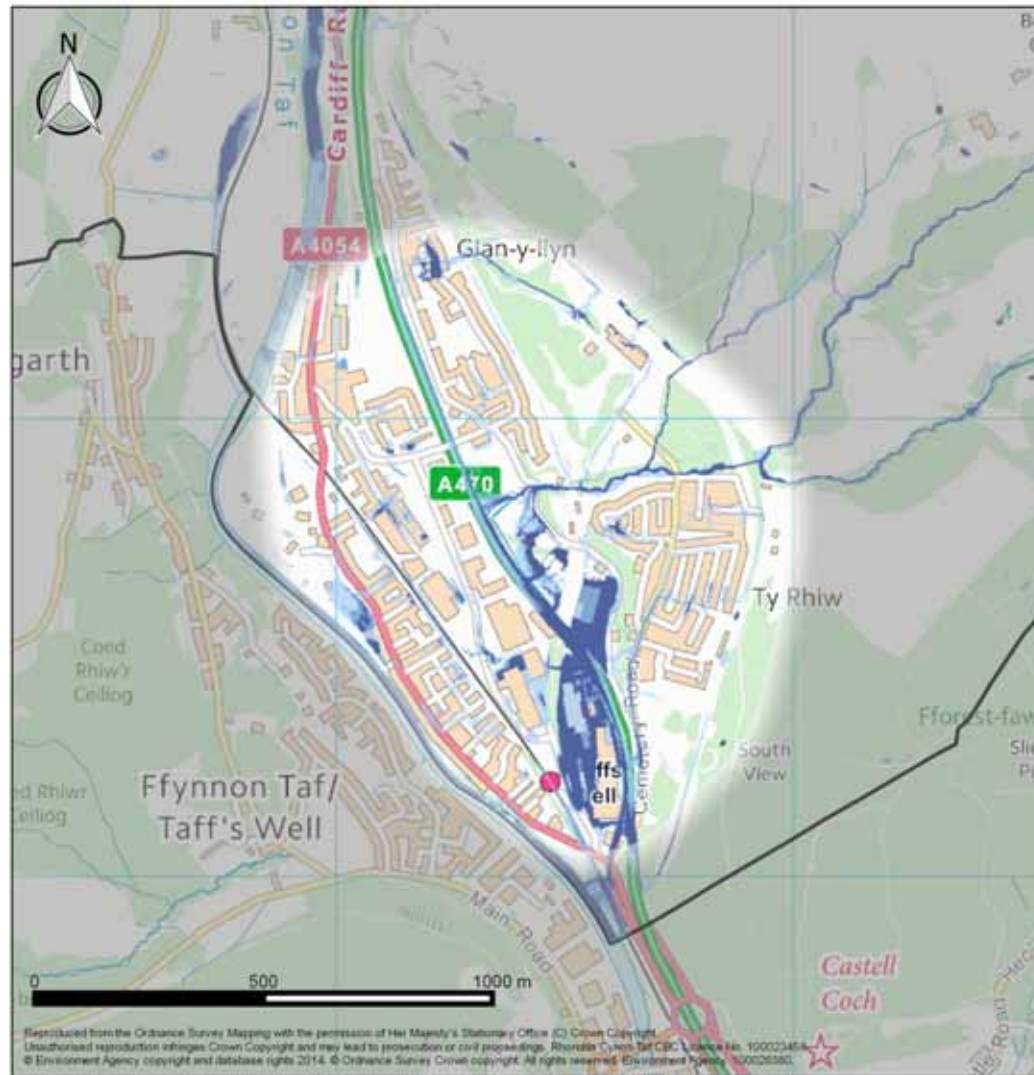
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0077

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2573	9	19	214
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	260	17	5	31
Airports	0	0	0	0
Roads (km)	3	2	0.5	1.5
Railways (km)	1	0	0	0.2
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	12	0	0	0
Licensed Abstractions	1	1	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	3			
Highway	12			

Flood Risk Management Plan Measures for RCT0077

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0077	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0077



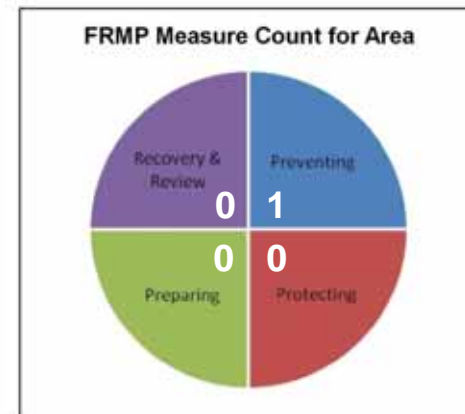
RCT0077

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0078

Flood Investigation Area RCT0078 is situated within the community area of Taffs Well and Tonteg and the flood risk is considered to be sourced from Main River and Surface Runoff. The flood risk posed from an unnamed watercourse to the north of the Flood Investigation, likely interacts with surface runoff influences a large area of Treforest Industrial Estate. The flood risk presented in the area of the residential properties at Oxford Street and Rhyd-Yr-Helyg is anticipated to be sources from Main River. Sections of the A470 are at a high risk of flooding and a considerable amount of the Highways network is anticipated to be at a high risk of flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

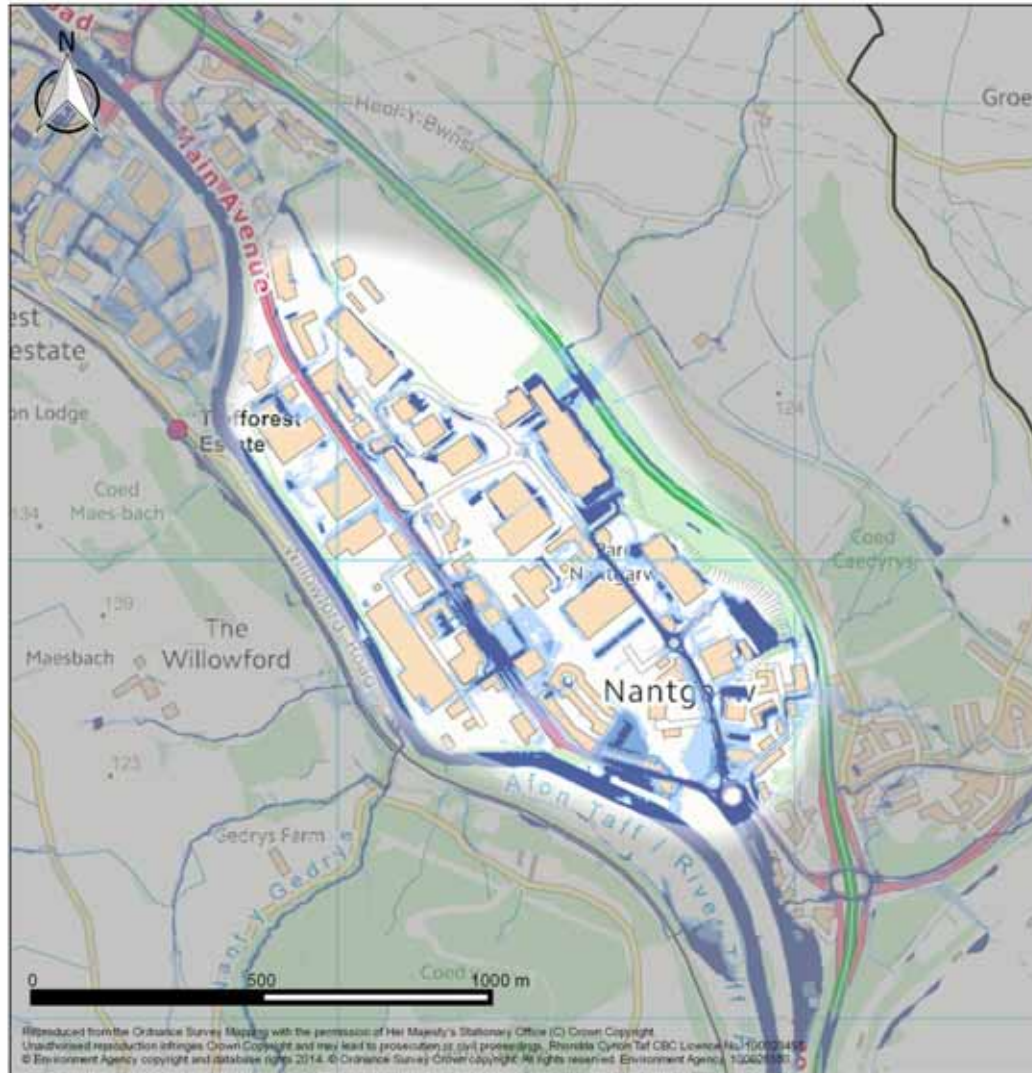
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0078

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	289	12	71	45
Services	6	0	1	0
ECONOMIC ACTIVITY				
Non Residential Properties	281	12	23	41
Airports	0	0	0	0
Roads (km)	1	0.3	0.01	0.1
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	1	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	1	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	3			
Highway	4			

Flood Risk Management Plan Measures for RCT0078

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0078	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0078



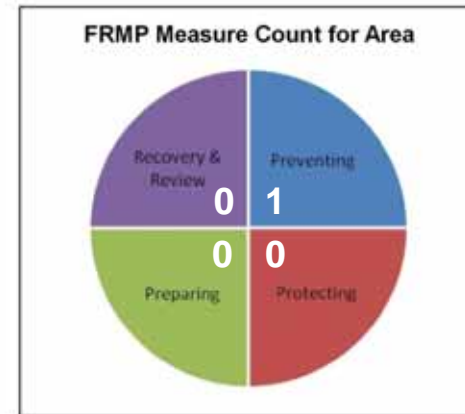
RCT0078

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0079

Flood Investigation Area RCT0079 is situated within the community area of Talbot Green and the flood risk presented is considered to be sourced from surface runoff. There is a low to high flood risk along Heol Y Gyfraith, to the west of the library.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

No flood incidents identified within the area relate to internal property flooding; however, there is a reasonable correlation between reported highway flooding incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

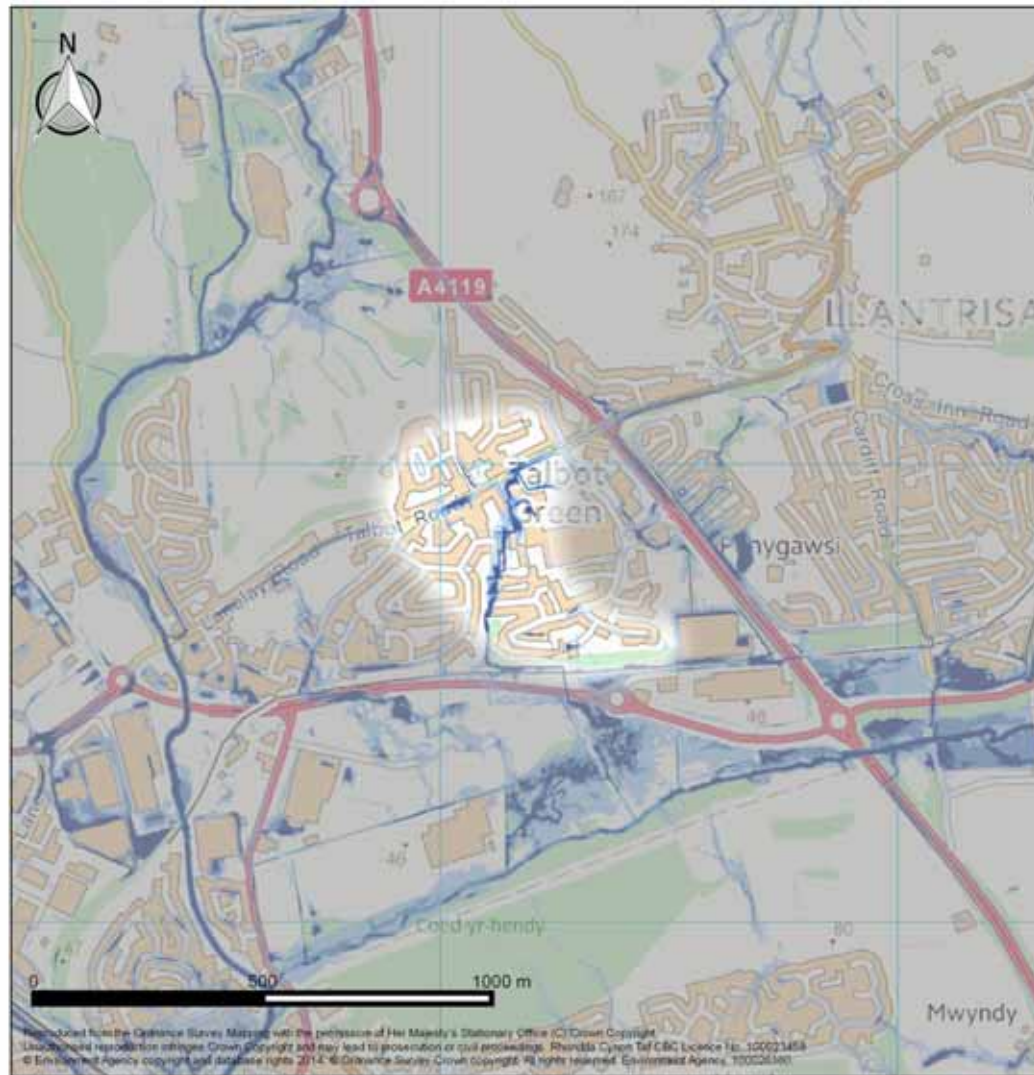
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0079

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	830	40	14	42
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	124	2	1	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	3			
Highway	5			

Flood Risk Management Plan Measures for RCT0079

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0079	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0079



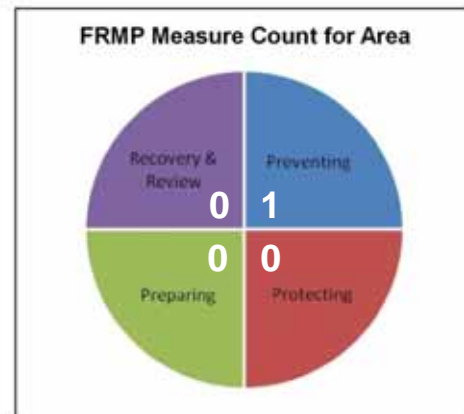
RCT0079

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0080

Flood Investigation Area RCT0080 is situated within the community areas of Church Village and Tonteg and the flood risk is considered to be sourced predominately from surface runoff; however, there is an anticipated contribution from the culvert inlet of the unnamed watercourse in the northwest of the Flood Investigation Area. A low to high risk is noted on the highways network, particularly in the area of Cae Fardre and Carmarthen Drive.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

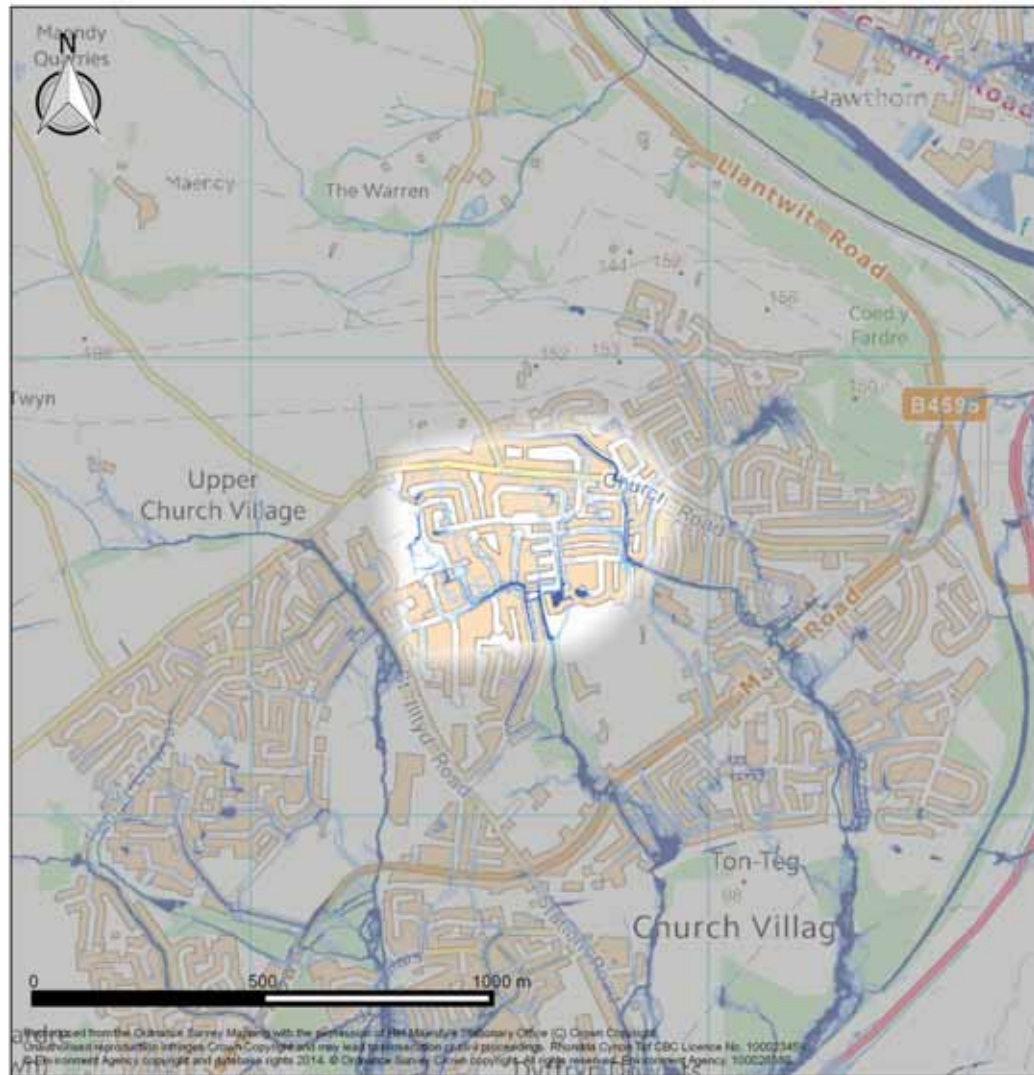
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0080

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1523	7	56	301
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	37	0	0	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	5			
Highway	2			

Flood Risk Management Plan Measures for RCT0080

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0080	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0080



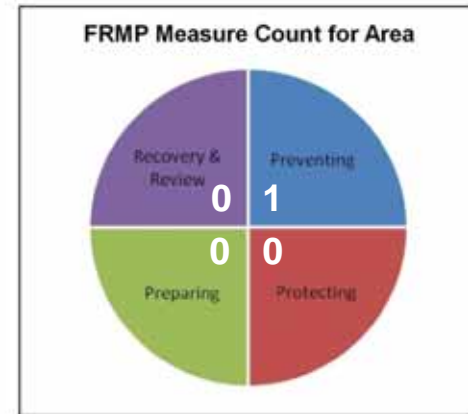
RCT0080

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0081

Flood Investigation Area RCT0081 is situated within the community area of Tonteg. The flood risk presented within the uFMfSW is anticipated to be sources from an unnamed ordinary water course with a contribution from the surface water sourced from RCT0080. It is likely that these two Flood Investigation Areas will be considered together. The highest risk is noted along the highway network, notably Radnor Drive, Ffordd Gerdinan and Main Road, before flowing through the recreational fields and finally posing a low to high risk to the area surrounding Underhill Drive.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between the flooding of properties reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

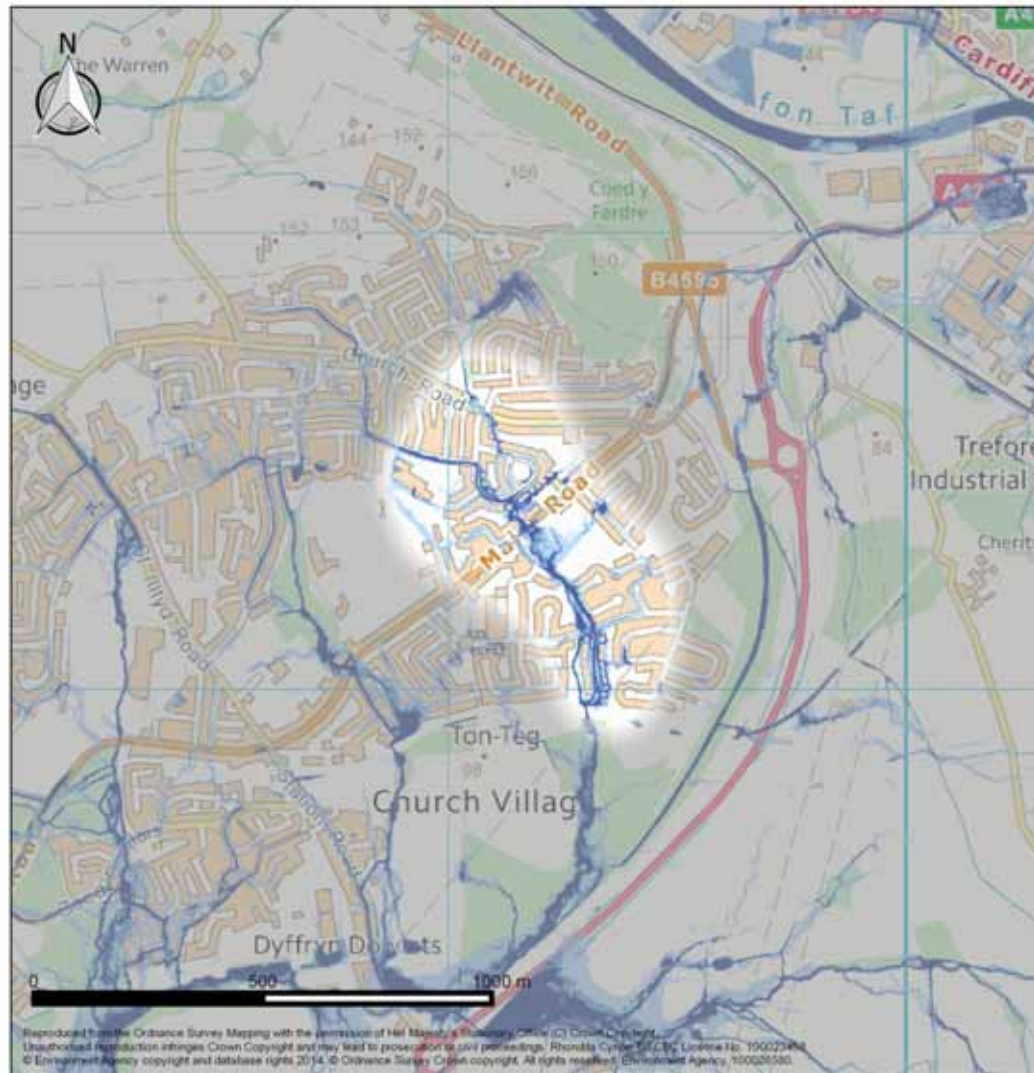
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0081

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1201	80	26	125
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	65	3	2	8
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0.2	0.02	0.0005	0.008
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	4			
Highway	0			

Flood Risk Management Plan Measures for RCT0081

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0081	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0081



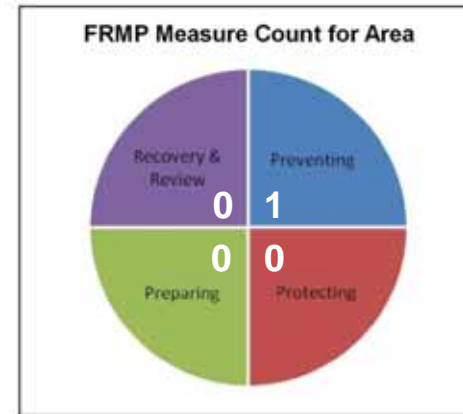
RCT0081

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0082

Flood Investigation Area RCT0082 is situated within the community area of Tonteg and the flood risk presented within the uFMfSW is considered to be sourced from an unnamed ordinary watercourse, posing a low to high risk to the area surrounding Ruthin Way.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported flood incidents within the Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

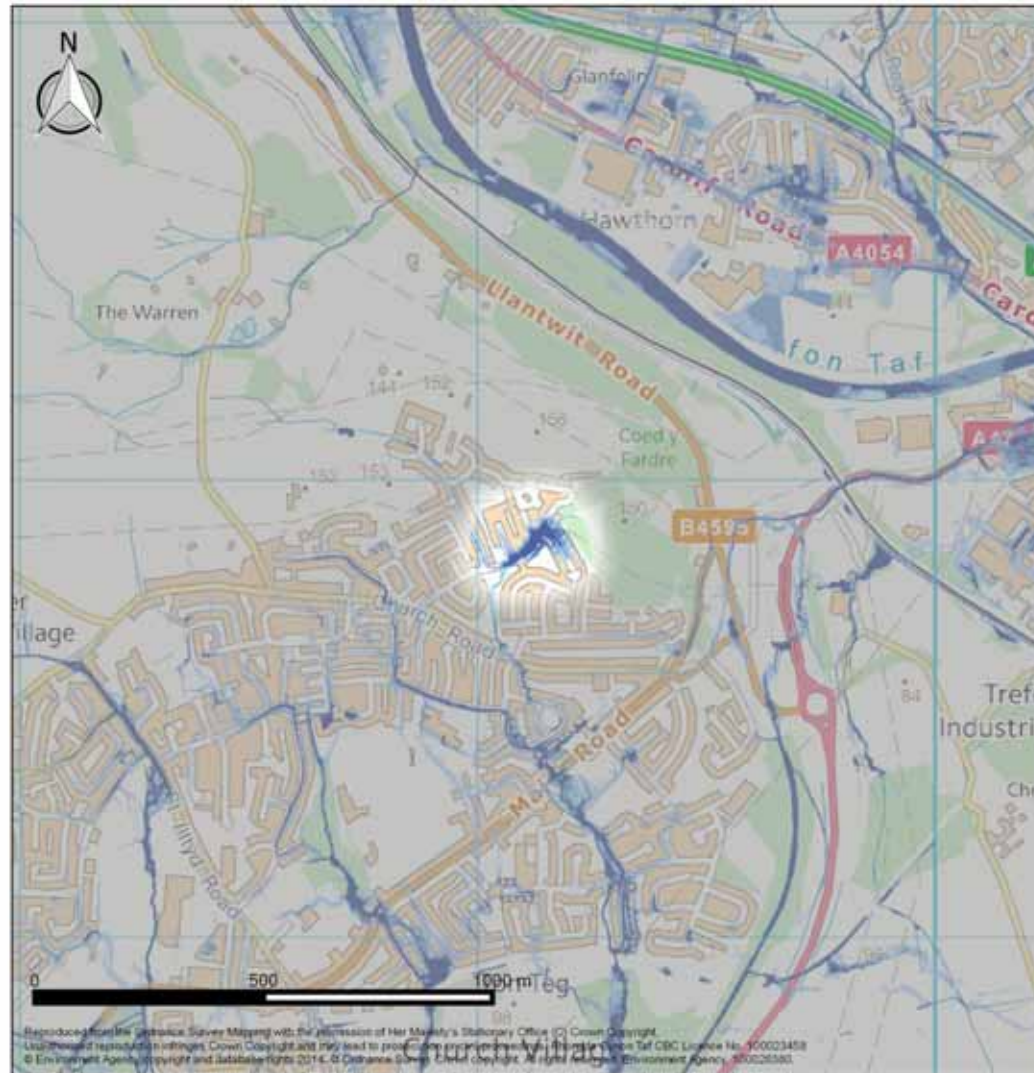
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0082

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	266	26	28	49
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	5	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0082



Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0082	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0082






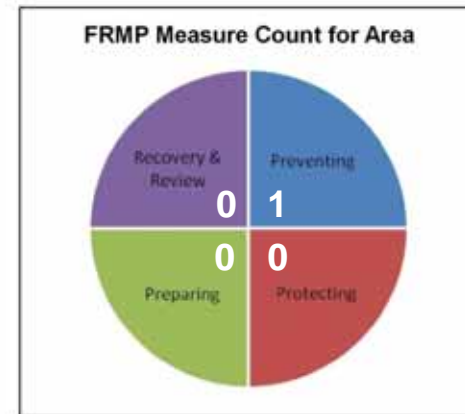
RCT0082

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0083

Flood Investigation Area RCT0083 is situated within the community area of Tonteg and it is considered that the risk presented within the uFMfSW is attributed to several unnamed ordinary watercourse. It is likely that the flood risk is a result of the culvert inlets underneath the railway line. It is anticipated that the flood waters breach the railway embankment at several locations posing a low to high flood risk to Treforest Industrial Estate.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

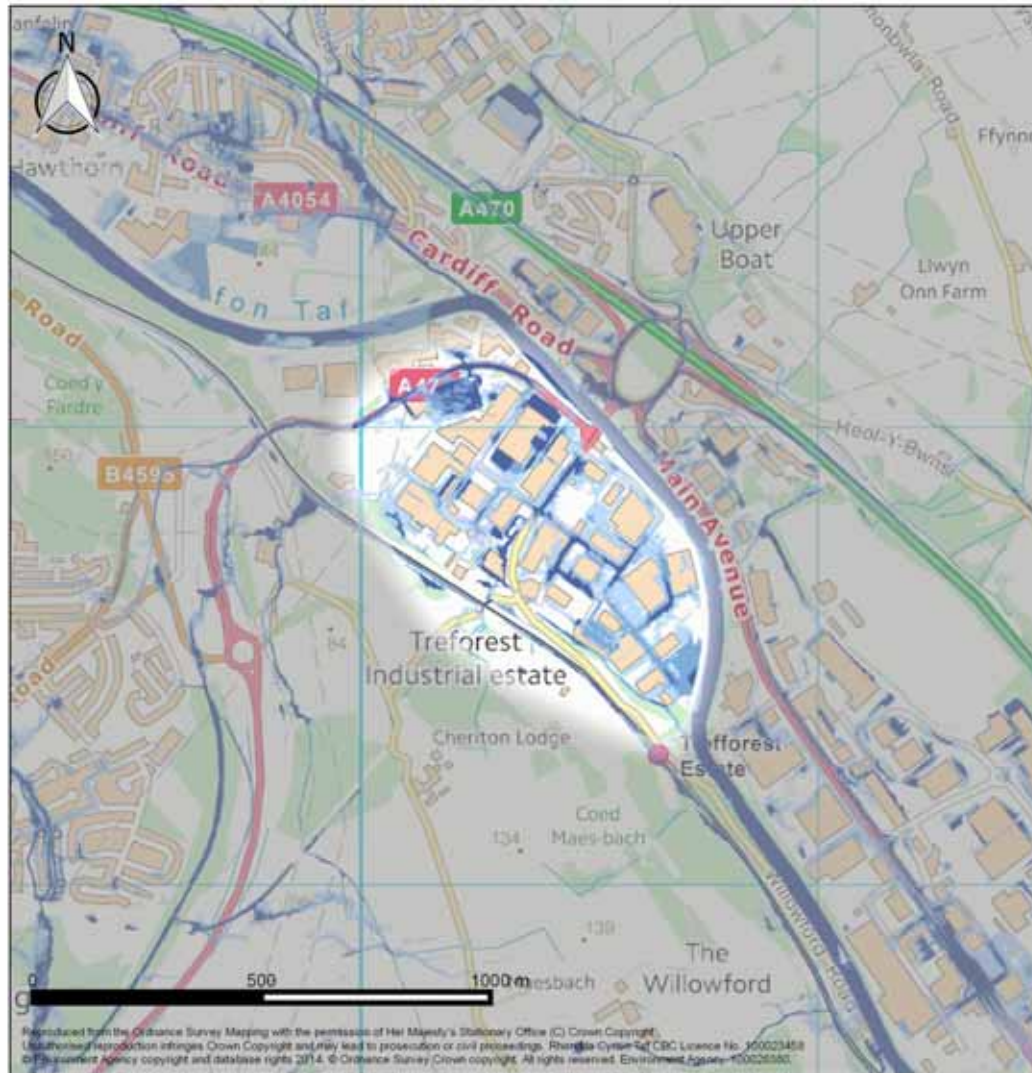
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0083

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	16	0	0	5
Services	4	0	1	2
ECONOMIC ACTIVITY				
Non Residential Properties	154	4	7	65
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.1	0.02	0.02
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	1	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	0			

Flood Risk Management Plan Measures for RCT0083

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0083	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0083



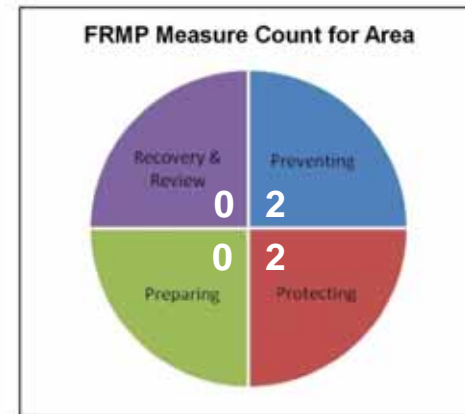
RCT0083

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0084

Flood Investigation Area RCT0084 is situated within the community area of Treorchy and it is considered that the risk presented within the uFMfSW is attributed to two unnamed ordinary watercourses, likely sourced from the culverts underneath the railway line. The flood risk posed by the culverts is noted to flow over the railway line and pose a low to high risk, before presenting a low to high flood risk is noted across Ynyswen Industrial Estate. There is a potential for interaction with flooding from the main river.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported flood incidents to property in the area; however, a good correlation is noted between the reported flooding to highways and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0084

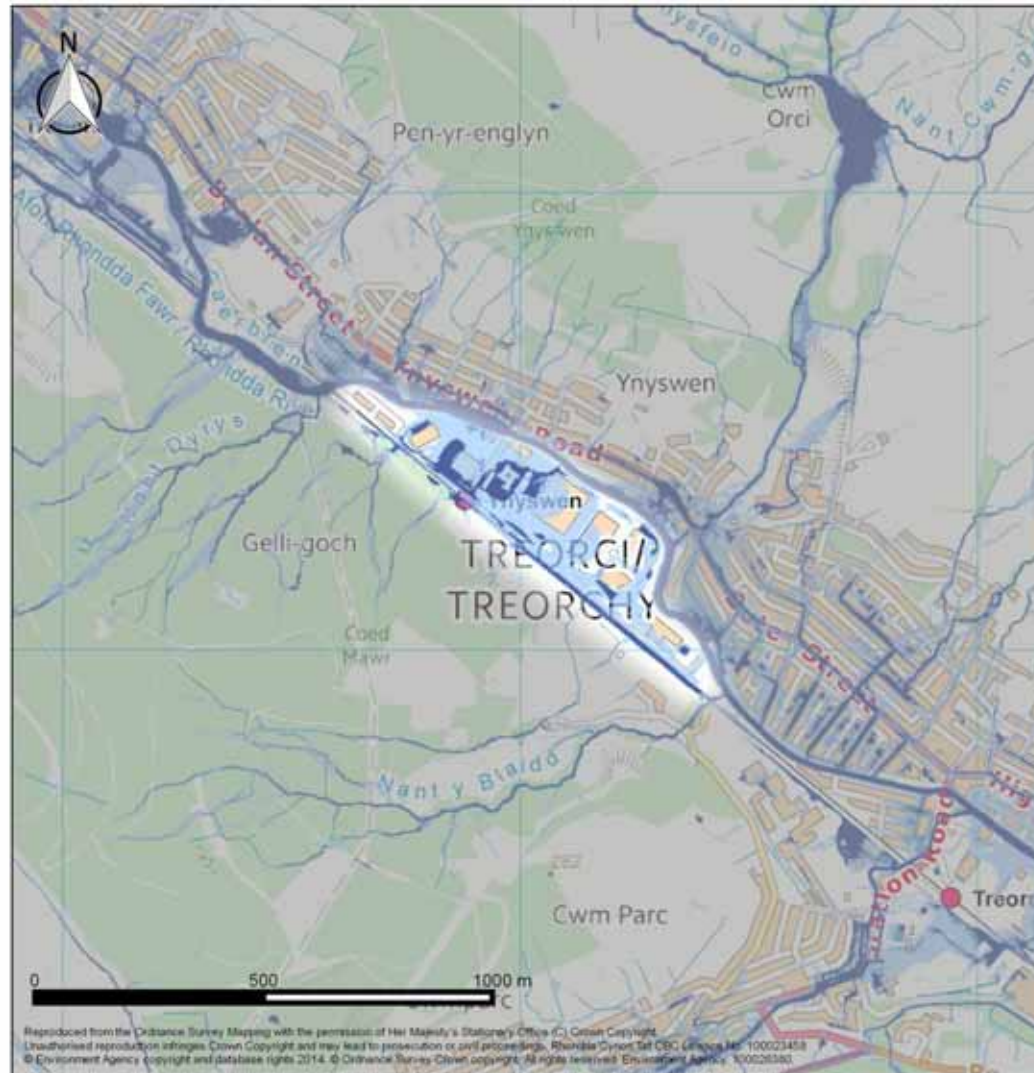
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	0	0	0	0
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	33	3	1	14
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.2	0.1	0.4
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	3			

Flood Risk Management Plan Measures for RCT0084

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT084	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0084



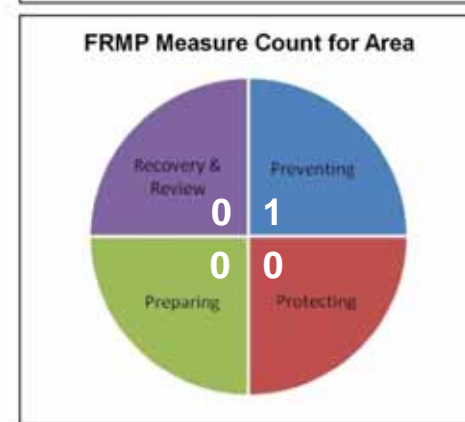
RCT0084

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0085

Flood Investigation Area RCT0085 is situated within the community areas of Llwynypia, Cwm Clydach and Tonypany and the flood risk is considered to be sourced from a combination of surface water and ordinary watercourse flooding, notably the Nant Clydach Fach in the centre of the Flood Investigation Area and an unnamed watercourse in the north, posing a flood risk to Berw Road and Tonypany Enterprise Park and to the area surrounding Cambrian Terrace and Amelia Terrace, respectively.

The risk posed by surface runoff is noted along the length of Court Street and it is anticipated that there is an interaction with Main River flooding in the area of Chapel Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flood incidents and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

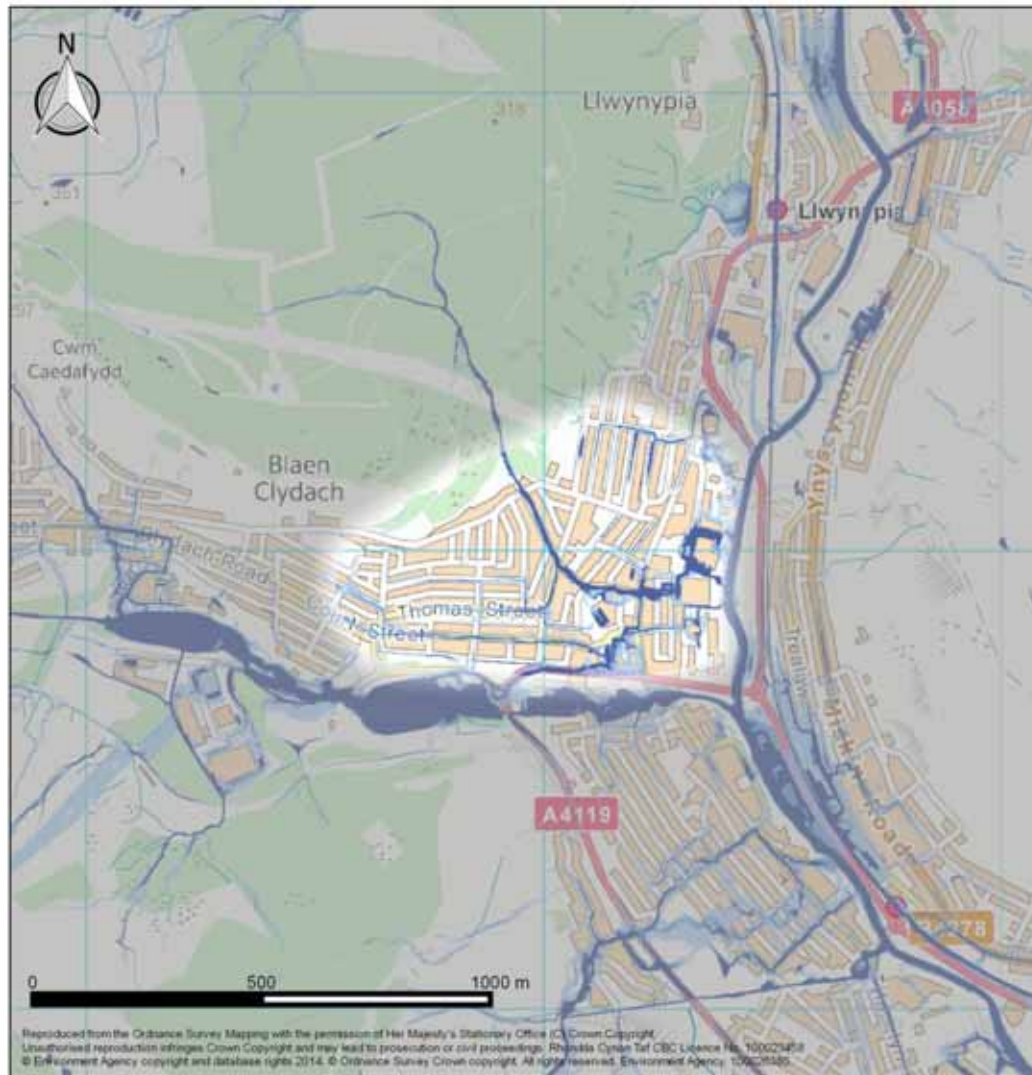
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0085

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2663	47	82	249
Services	3	0	0	2
ECONOMIC ACTIVITY				
Non Residential Properties	161	14	9	20
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	5			
External	12			
Highway	18			

Flood Risk Management Plan Measures for RCT0085

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0085	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0085



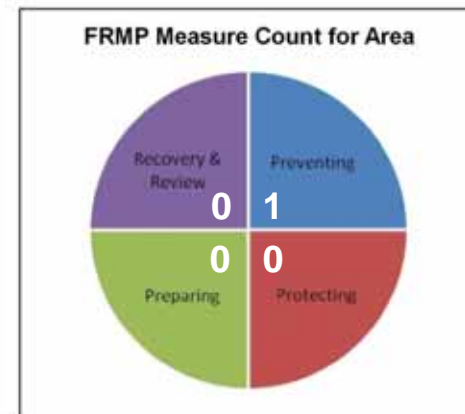
RCT0085

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site



Flood Investigation Area - RCT0086

Flood Investigation Area RCT0086 is situated within the community area of Tonypany. The flood risk presented within the Flood Investigation Area is considered to be sourced predominately from an unnamed watercourse in the southwest of the area. The flow path cascades through the residential area, notably posing a risk to areas in the vicinity of Parc Gellifaelog, the A4119, Gelli Road and Trinity Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between the flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

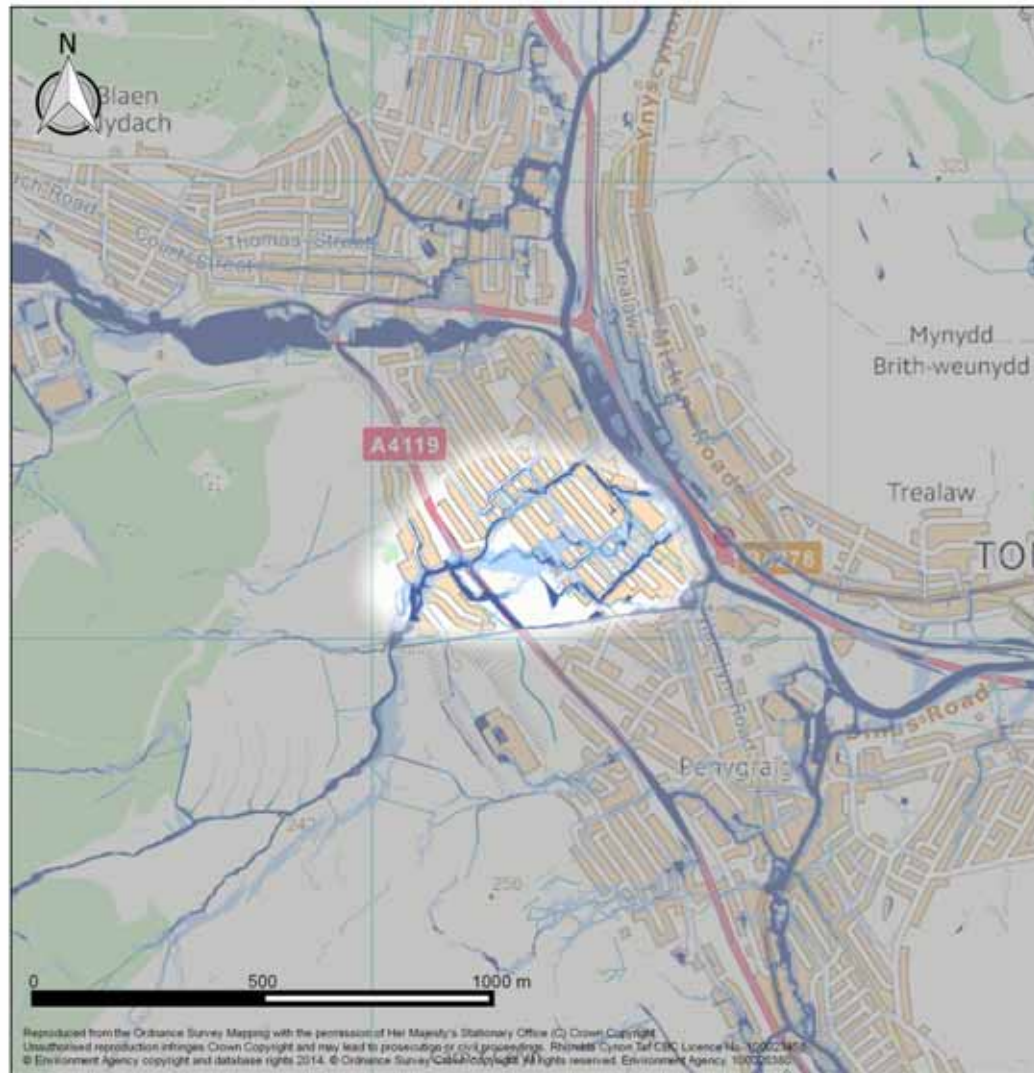
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0086

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1184	26	63	212
Services	4	0	0	3
ECONOMIC ACTIVITY				
Non Residential Properties	130	1	9	49
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	3	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	0			
Highway	3			

Flood Risk Management Plan Measures for RCT0086

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0086	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0086



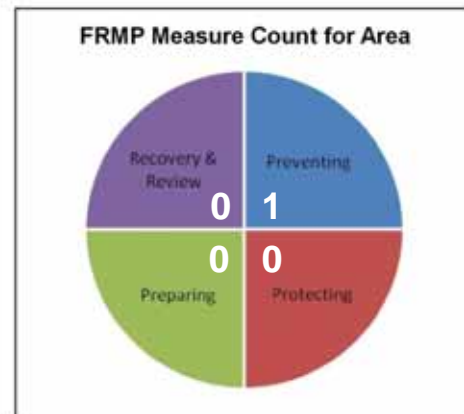
RCT0086

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0087

Flood Investigation Area RCT0087 is situated within the community area of Tonyrefail East and the flood risk is considered to be sourced predominantly from surface runoff. Broadly, there are two noted flow paths through the area, posing a flood risk along the length and adjacent to St David's Road and over Pretoria Road and The Avenue. The flow paths merge to pose a low to high flood risk in the areas along Pritchard Street and in the Allotment gardens. It is anticipated that the flood risk posed within the area surrounding Mill Street is sourced from the culvert inlet of the unnamed watercourse.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flooding incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

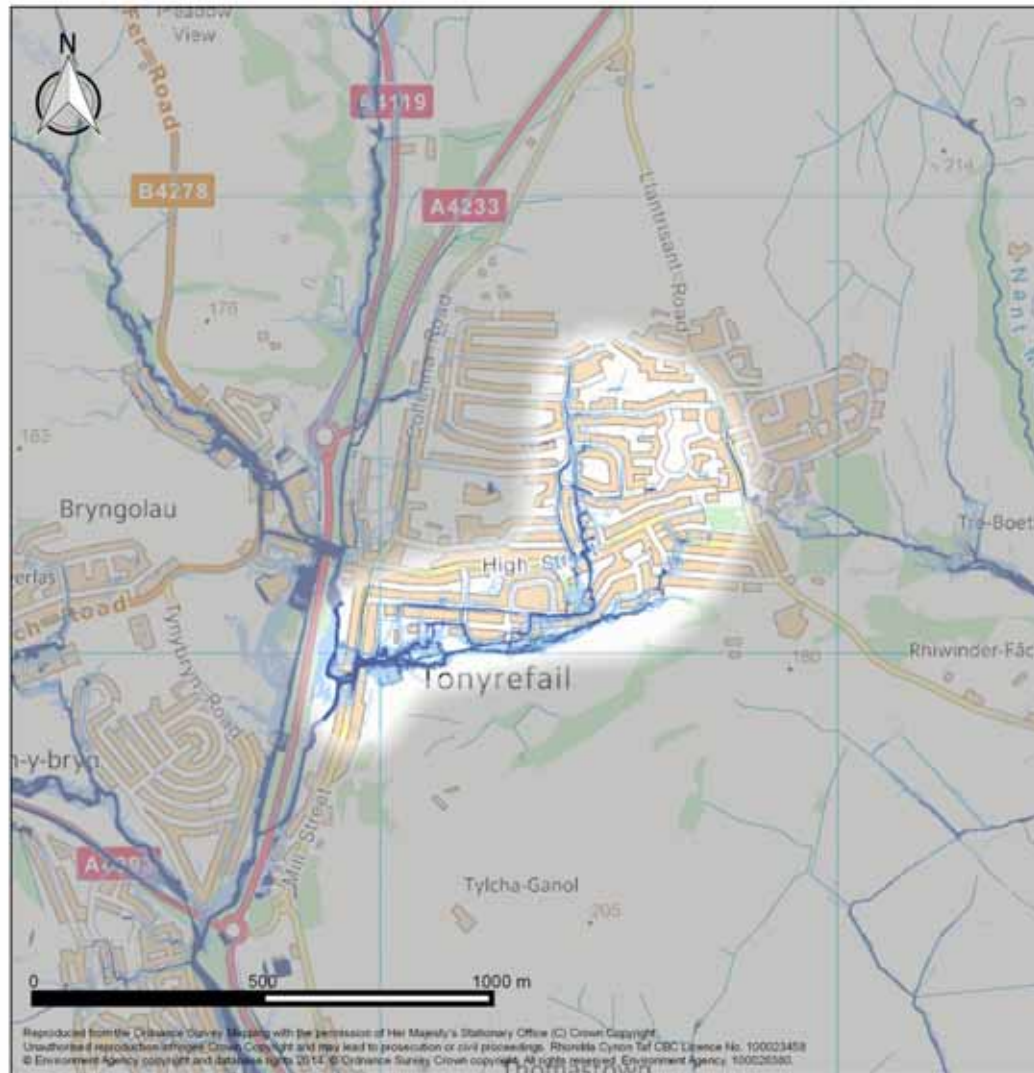
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0087

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2084	24	101	310
Services	1	0	1	0
ECONOMIC ACTIVITY				
Non Residential Properties	149	4	9	17
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	1	0.02	0.02	0.03
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	5			
Highway	6			

Flood Risk Management Plan Measures for RCT0087

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0087	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0087



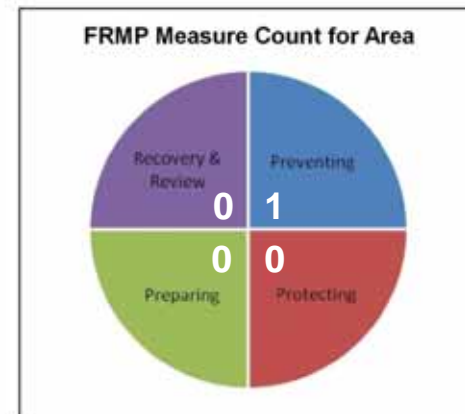
RCT0087

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0088

Flood Investigation Area RCT0088 is situated within the community area of Tonyrefail East the posed flood risk is likely to be attributed to surface runoff and ordinary watercourse flooding, notably in the area of Tylcha Ganol, Tylcha Fach and Ely Valley Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a generally poor correlation between flood incidents reported to the authority and flood risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

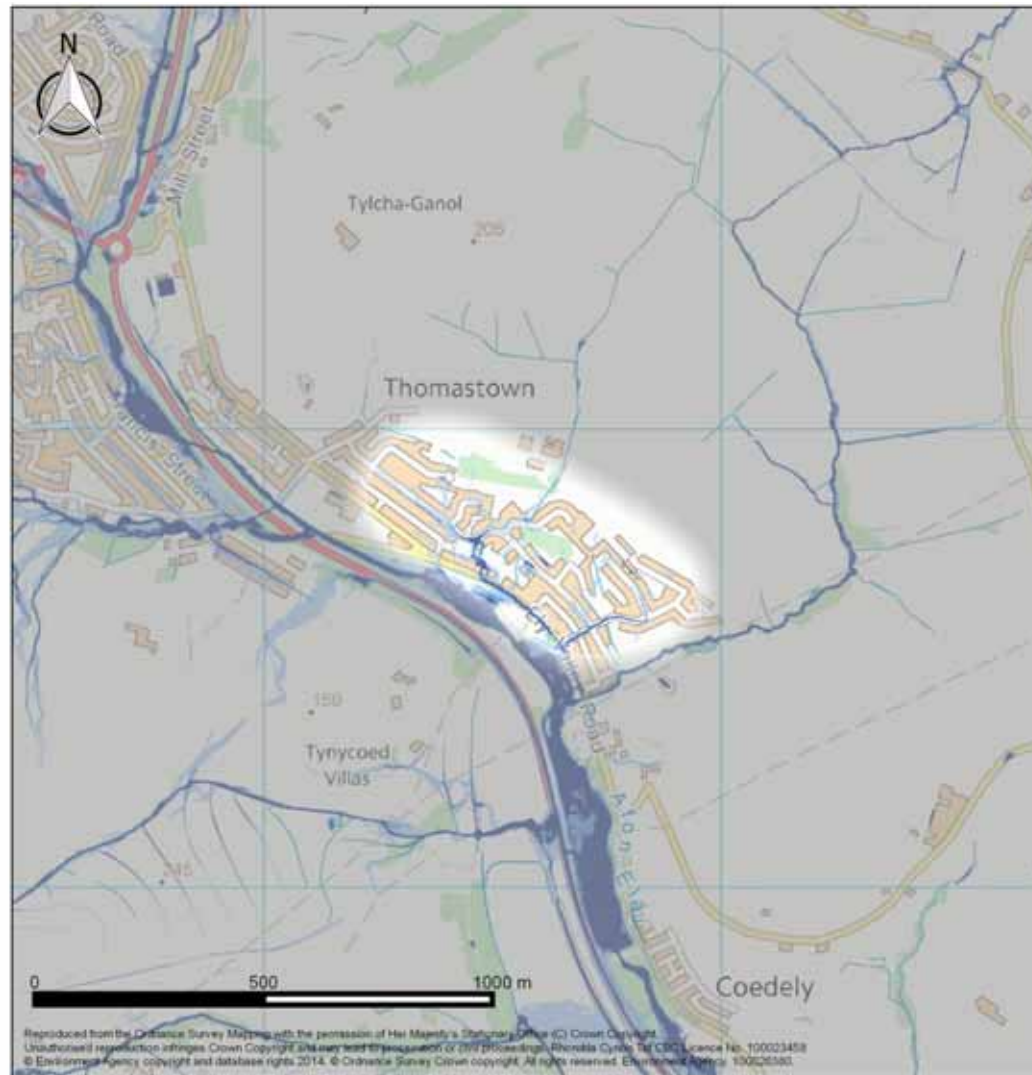
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0088

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	987	19	12	87
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	37	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	7			
Highway	5			

Flood Risk Management Plan Measures for RCT0088

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0088	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0088



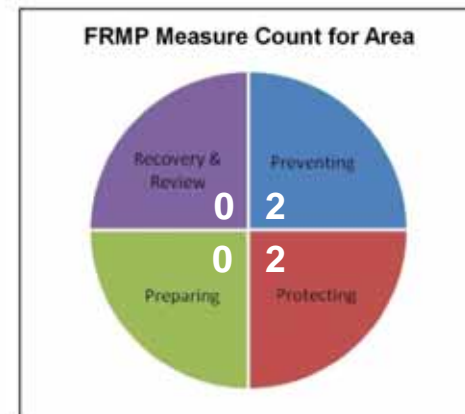
RCT0088

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0089

Flood Investigation Area RCT0089 is situated within the community area of Tonyrefail West and the flood risk is anticipated to be sourced from the interaction of Main River and surface runoff flooding. It is considered that the flood risk posed to the area around Bryn Rhedyn is attributed to surface runoff' which flows towards the junction with Dyffryn Road and merges with flooding anticipated to be sourced from the Nant Cae'rgwerlas (main river). The flood risk posed to the area surrounding Waunrhydd Road and Tonyrefail leisure centre is likely attributed to main river flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0089

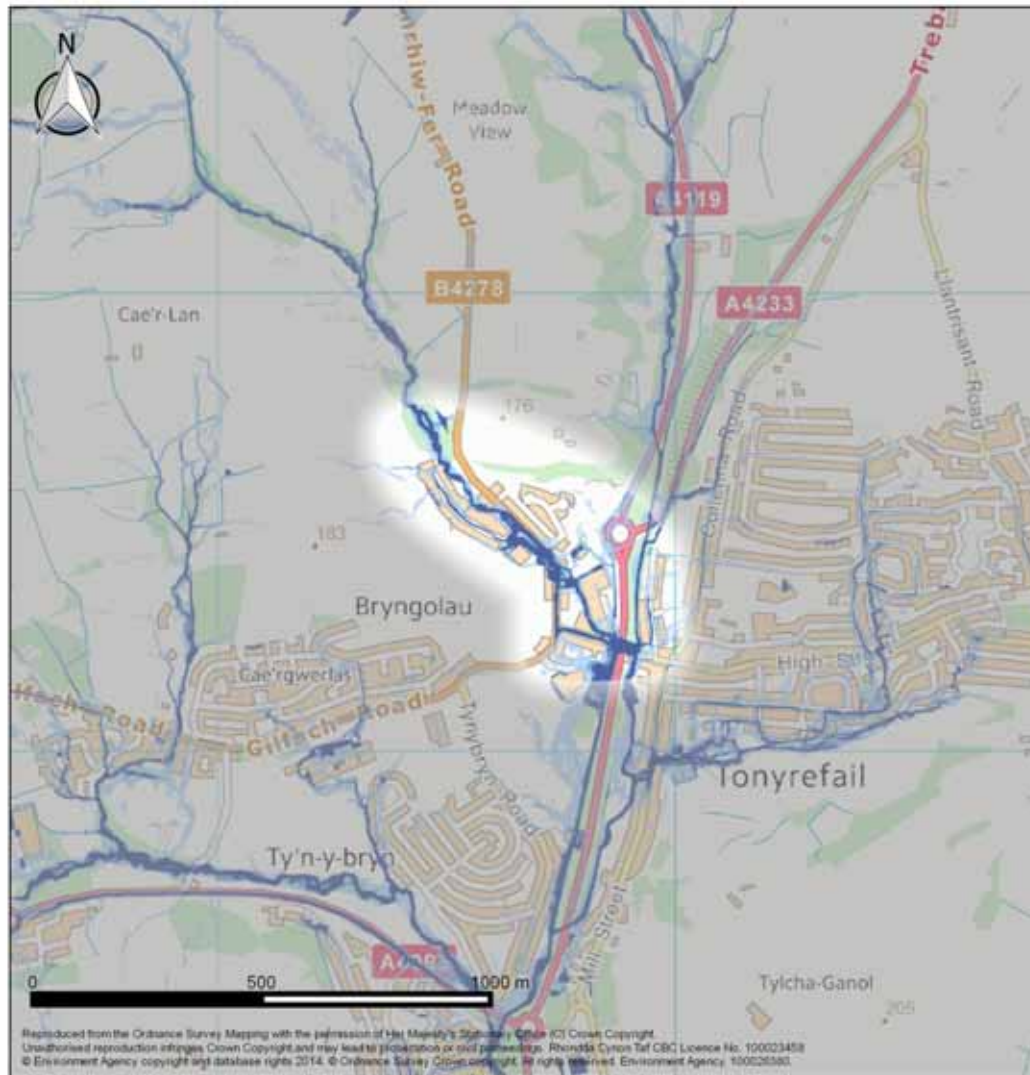
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	503	52	16	115
Services	5	0	0	5
ECONOMIC ACTIVITY				
Non Residential Properties	66	7	6	16
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0.2	0.04	0.08	0.03
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	8			

Flood Risk Management Plan Measures for RCT0089

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0089	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales



*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0089






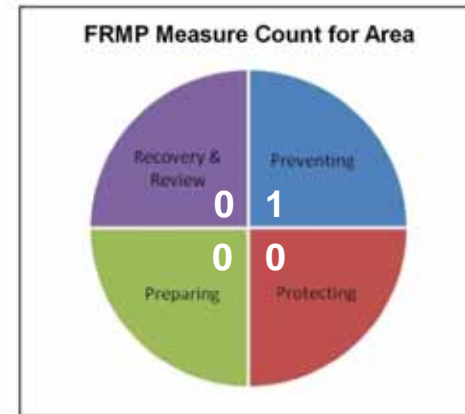
RCT0089

Legend

-  RCTBoundary
-  Flood Investigation Area

Flooding Risk

-  High
-  Medium
-  Low



Flood Investigation Site

Flood Investigation Area - RCT0090

Flood Investigation Area RCT0090 is situated within the community areas of Tonyrefail West and Gilfach Goch. It is anticipated that the flood risk posed to the Flood Investigation Area is predominantly from bank breach from three unnamed watercourse flowing north-south through the area. It is noted that the most prominent source of flooding is a breach of the unnamed watercourse to the west of the area, flowing over the A4093, before posing further risk to areas surrounding Cedar Wood Drive, Birchwood and Mountain View. Flood risk posed to the southwest section of Mountain View, is anticipated to be the result of a bank breach and culvert inlet of the two unnamed ordinary watercourse in this area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between the reported incidents of flooding to the highway and to external property and the risk presented in the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

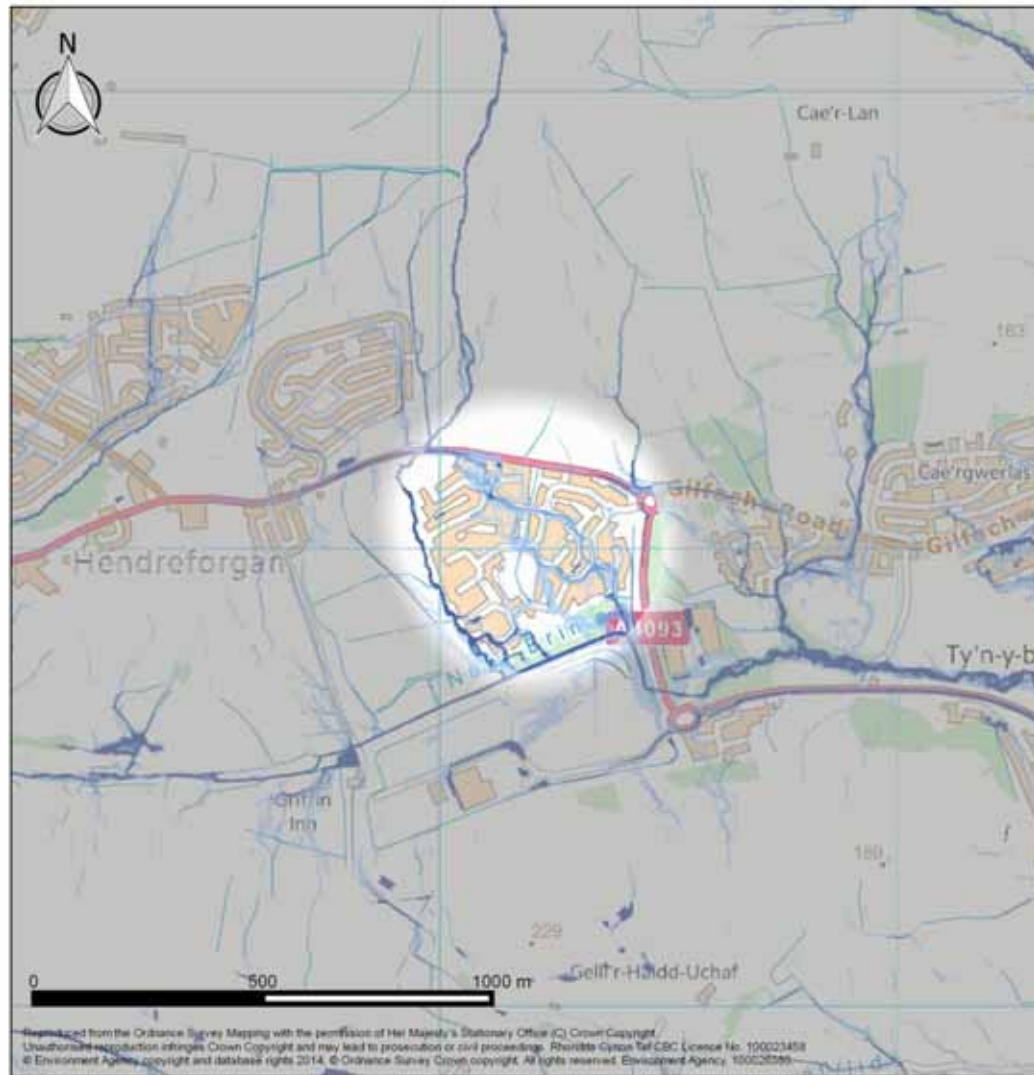
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0090

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	837	5	38	155
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	43	1	1	9
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	2	0	0	0.07
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	3			

Flood Risk Management Plan Measures for RCT0090

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0090	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0090



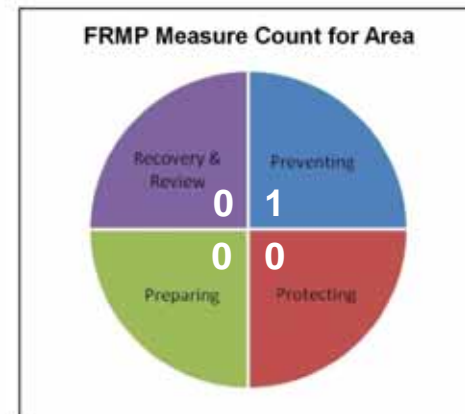
RCT0090

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0091

Flood Investigation Area RCT0091 is situated within the community areas of Penygraig and Tonyrefail West. The A4119 is situated in the bottom of a valley feature and a stretch of the Afon Ely (ordinary watercourse at this location), is the watercourse draining the valley. The main flood risk source presented within the uFMfSW is attributed to surface runoff, noted to follow highways, flowing through the residential development. There are several areas highlighted at a potential high flood risk, such as Caroline Street, Penrhiw-fer Road and Heol Dinas Isaf.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flooding to property and the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

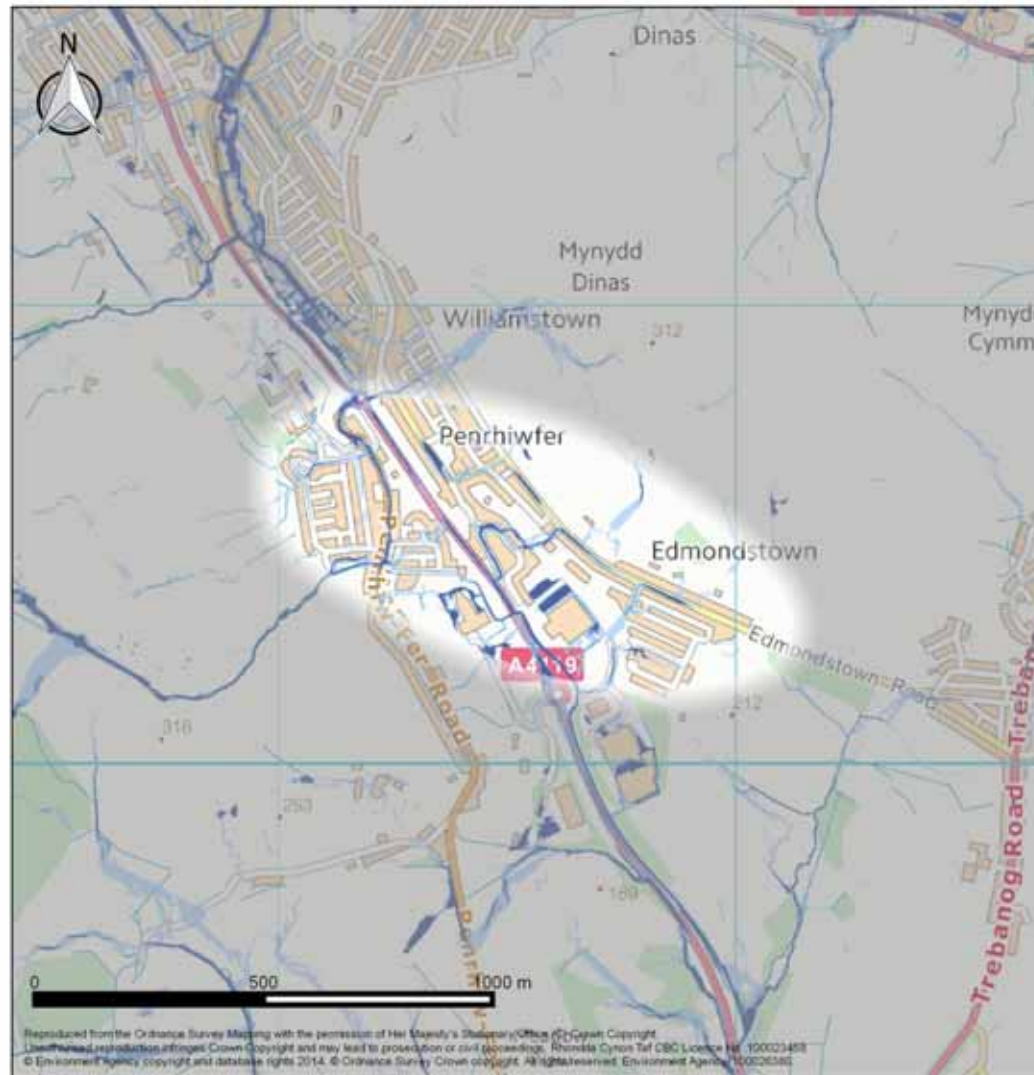
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0091

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1664	12	7	141
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	86	1	1	5
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	9			
Highway	18			

Flood Risk Management Plan Measures for RCT0091

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0091	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0091



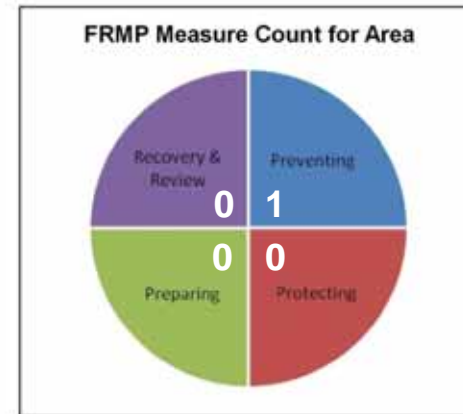
RCT0091

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0092

Flood Investigation Area RCT0092 is situated within the community area of Tonyrefail East and Tonyrefail West and the flood risk is considered to be sourced from both local flooding and Main River flooding. Notable flood risk is posed to Clos Y Waun (sourced from ordinary watercourse) and Meyler Street (surface runoff). Main River flooding is noted adjacent to the Afon Ely.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Only one instance of external property flooding has been reported to the authority and this has poor correlation with the risk presented within the uFMfSW. There is a reasonable correlation between the flood risk presented within the uFMfSW and highway flooding incidents reported to the authority.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0092

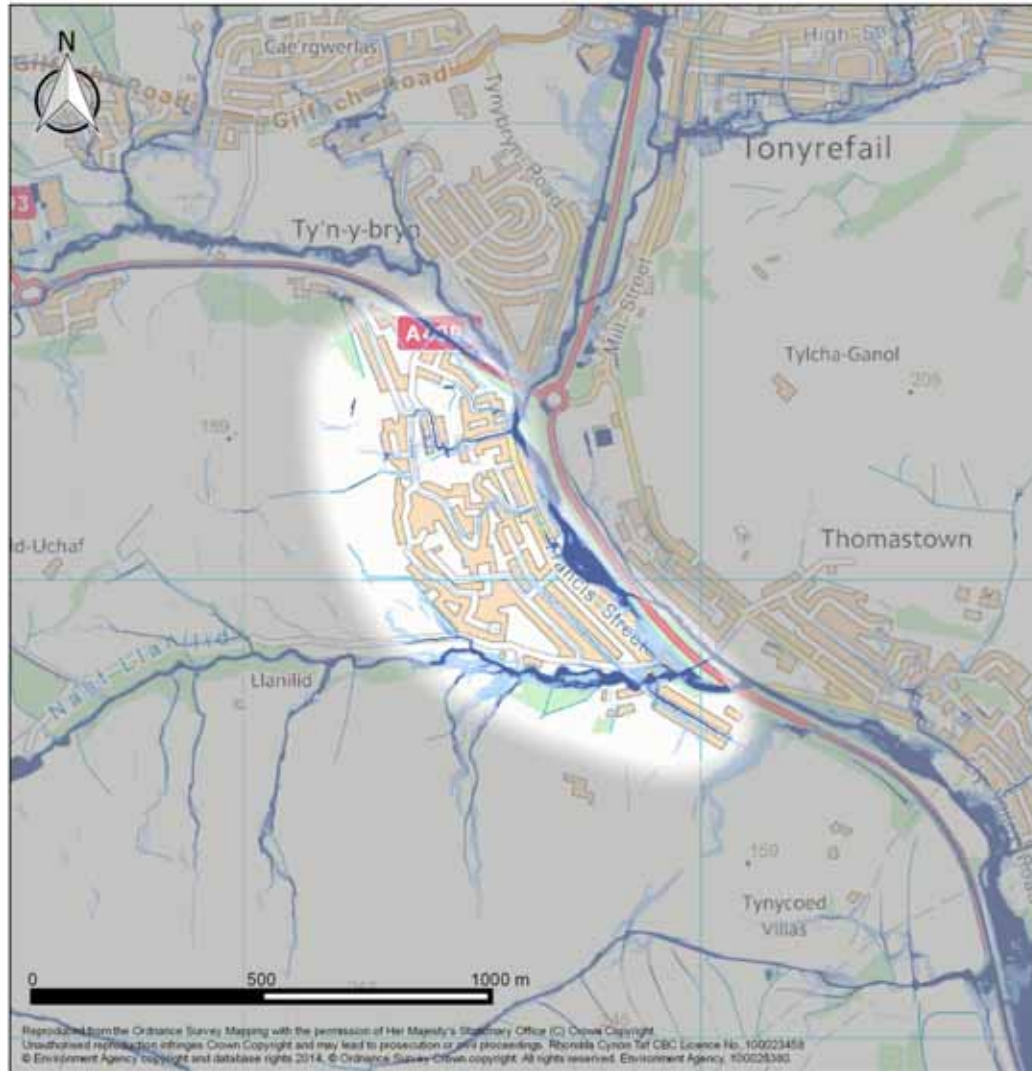
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1349	5	16	167
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	53	1	1	9
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	1	0	0.006	0.03
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	4			

Flood Risk Management Plan Measures for RCT0092

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0092	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0092



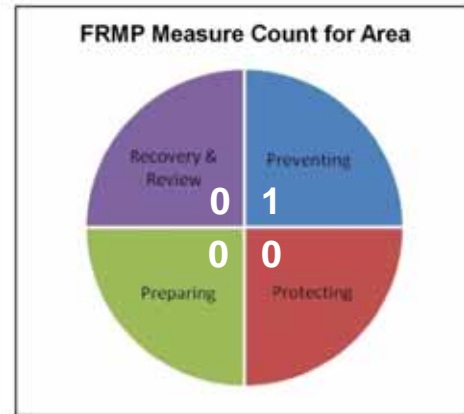
RCT0092

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0093

Flood Investigation Area RCT0093 is situated within the community area of Tonyrefail West and the risk presented within the uFMfSW is considered to be sourced from surface runoff. The highest flood risk presented is situated in the area of Tonyrefail Comprehensive School and to the rear of the properties along Nant Eirin.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported flood incidents to external property and the uFMfSW; however a reasonable to good correlation exists between reported incidents of highway flooding and the risk presented in the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

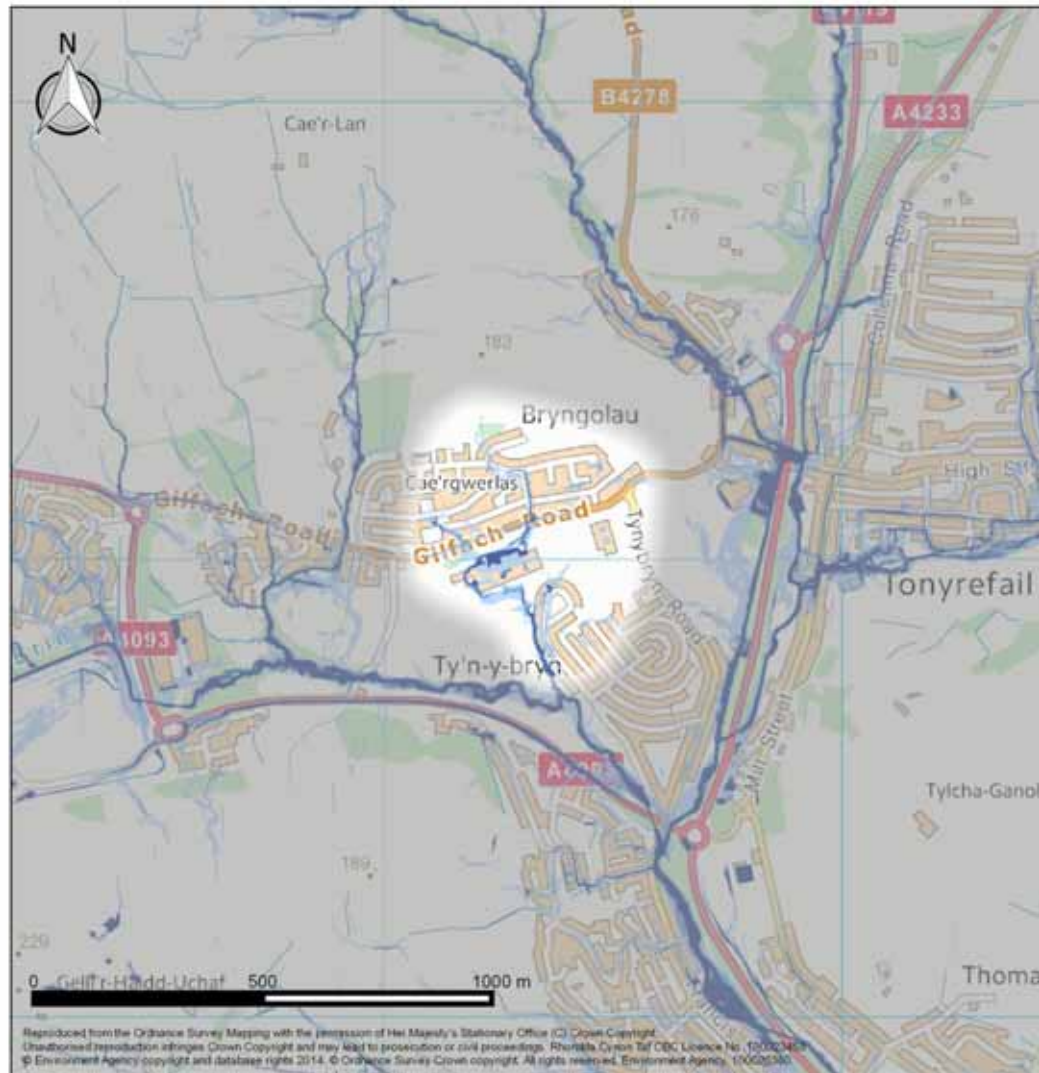
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0093

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	877	5	16	75
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	34	1	0	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	11			

Flood Risk Management Plan Measures for RCT0093

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0093	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0093



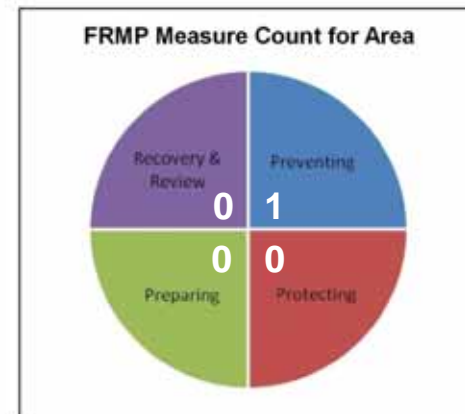
RCT0093

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0094

Flood Investigation Area RCT0094 is situated within the community areas of Trallwng and Treforest. The source of flooding is anticipated to be from two distinct areas, culminating in flood risk to the A470, in the south of the Flood Investigation Area. The flood risk noted in the north of the area is anticipated to be sourced from surface runoff, with contributions from RCT0097. This poses a high flood risk to properties along Ynysangharad Road, before returning an unnamed watercourse adjacent to the Bunch of grapes public House. This flood risk merges with a flood flow path from the north, sourced from unnamed watercourses above Pentrebach, prior to posing a risk to the A470.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

Highway flooding incidents reported to the authority are in broad correlation with the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

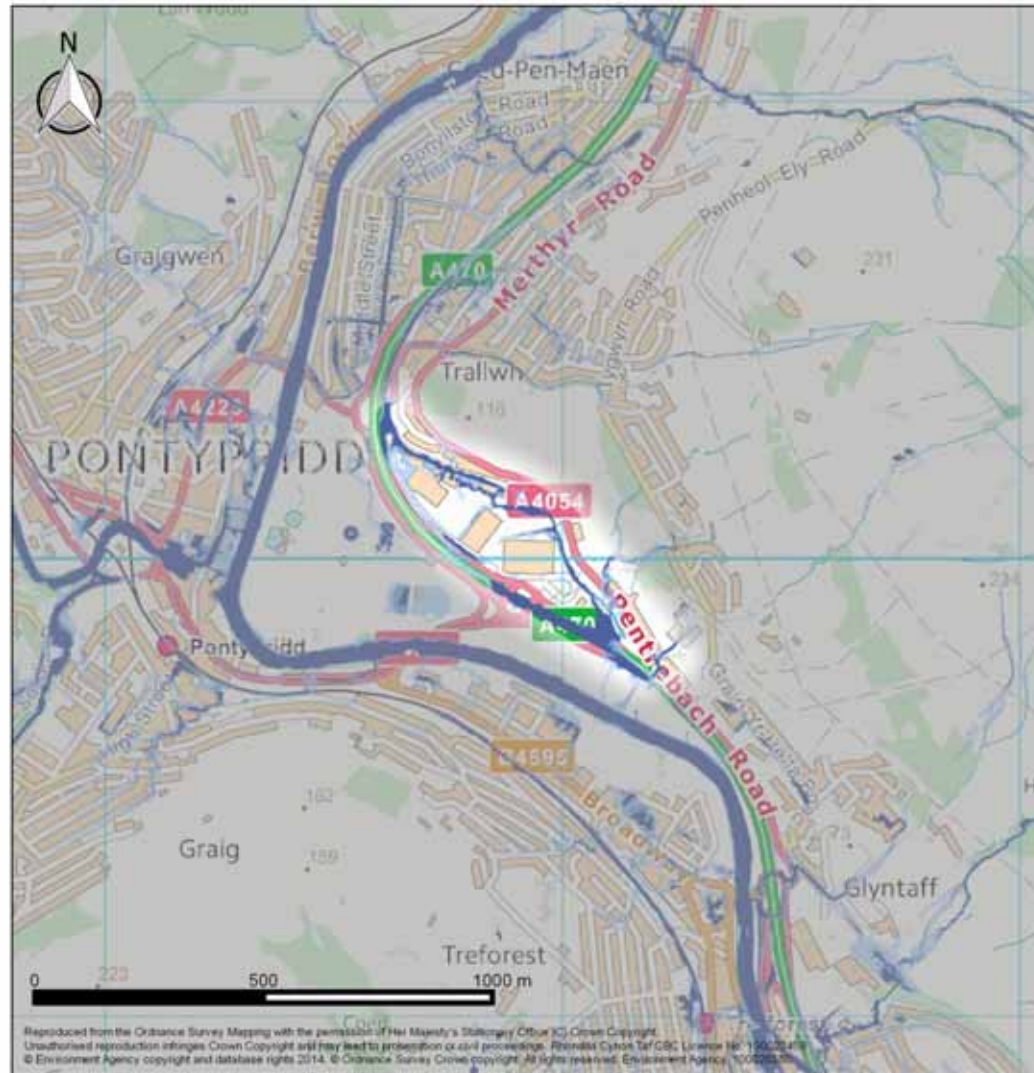
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0094

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	197	71	12	9
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	39	4	0	5
Airports	0	0	0	0
Roads (km)	2	0.8	0.1	0.2
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	5	2	0	1
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	3			
Highway	9			

Flood Risk Management Plan Measures for RCT0094

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0094	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0094



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RCT0094

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0095

Flood Investigation Area RCT0095 is situated within the community areas of Cilfynydd and Trallwng and the flood risk is considered to be sourced from the breaching of banks and culvert inlets of the Ely Brook. Flood risk is observed to pond against the western verge of the A470 and causing flooding to 0.05km stretch of the A road. Further flooding flow paths pose a risk to the area around Lower Taff View, before discharging across allotments and into the River Taff.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported incidents of flooding within the Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

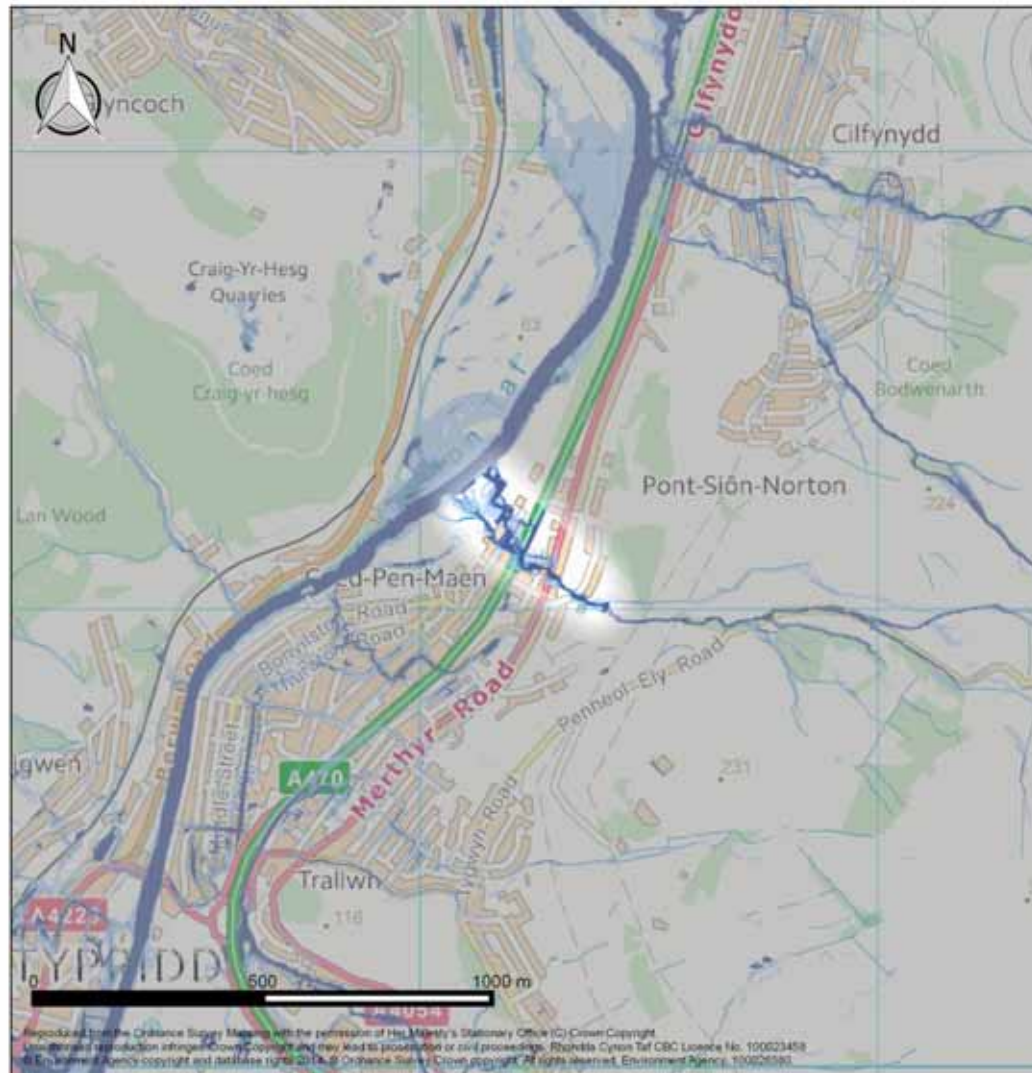
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0095

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	157	31	5	19
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	12	2	1	3
Airports	0	0	0	0
Roads (km)	0.3	0.1	0.01	0.05
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0095

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0095	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0095



RCT0095

Legend

-  RCTBoundary
-  Flood Investigation Area
- Flooding Risk**
-  High
-  Medium
-  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0096

Flood Investigation Area RCT0096 is situated within the community area of Trallwng and the flood risk is considered to be predominantly attributed to a culvert inlet on an unnamed watercourse. The highest risk observed is noted in the area of Scarborough Road, Dodington Place, Thurston Road and Crossways Street. The flood flow path presented within the uFMfSW also poses a flood risk to the A470 to the west of Scarborough Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The only reported internal flood incident within the area is a reasonable correlation with the risk presented within the uFMfSW. Reported highway incidents have a poor correlation with the risk within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

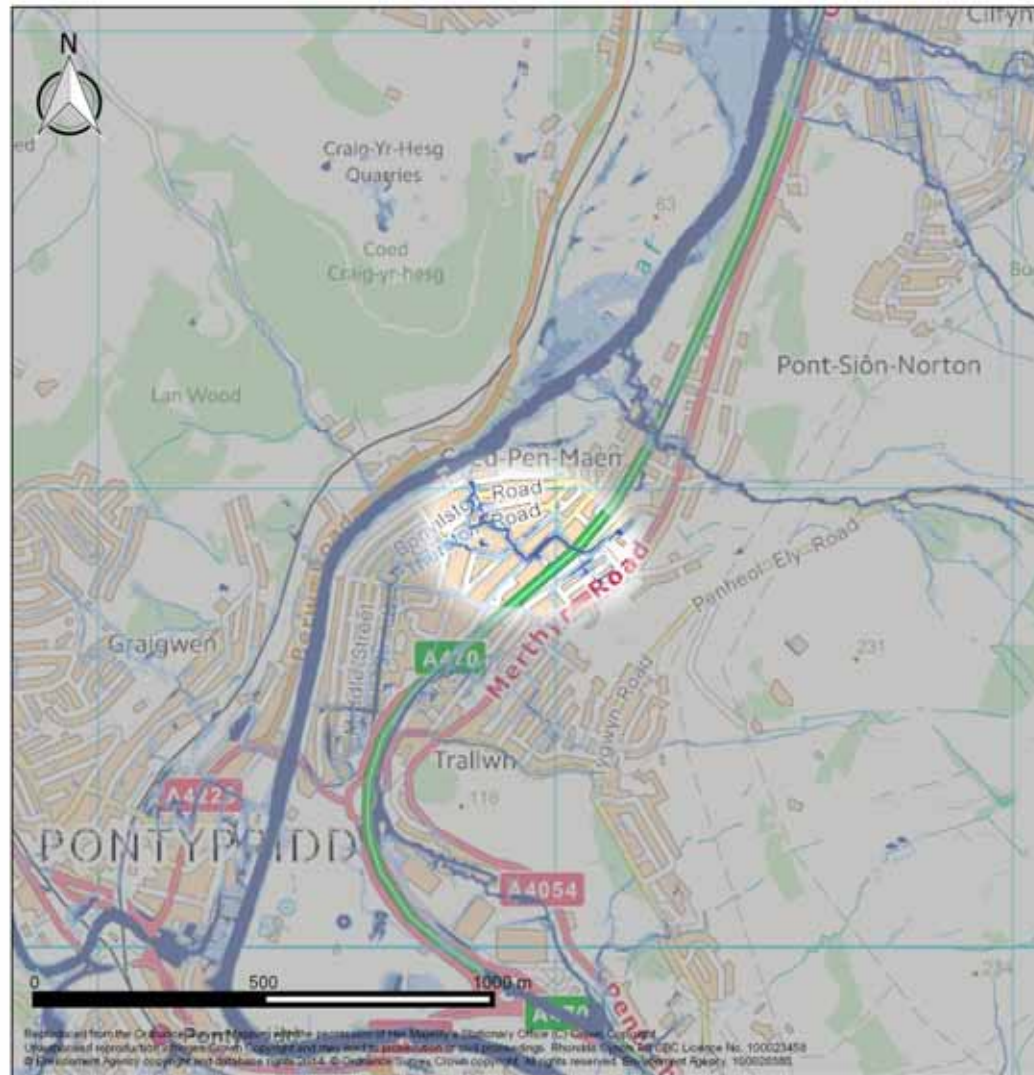
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0096

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1043	19	26	179
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	35	0	0	5
Airports	0	0	0	0
Roads (km)	1	0.01	0.004	0.01
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	0			
Highway	4			

Flood Risk Management Plan Measures for RCT0096

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0096	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0096



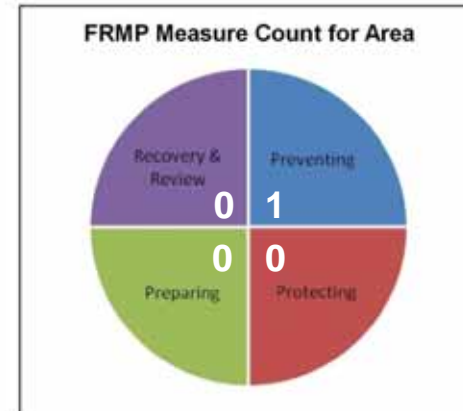
RCT0096

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0097

Flood Investigation Area RCT0097 is situated within the community area of Trallwng. It is considered that the flood risk posed to the area is attributed to a culvert inlet on an unnamed watercourse, located in the northeast of the area. The flow path poses a risk through the highways network of the residential development, notably around the area of Ysgol Gynradd Coedpenmaen Primary. The A470 is at a low to high risk of surface water flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between the reported highway flooding incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

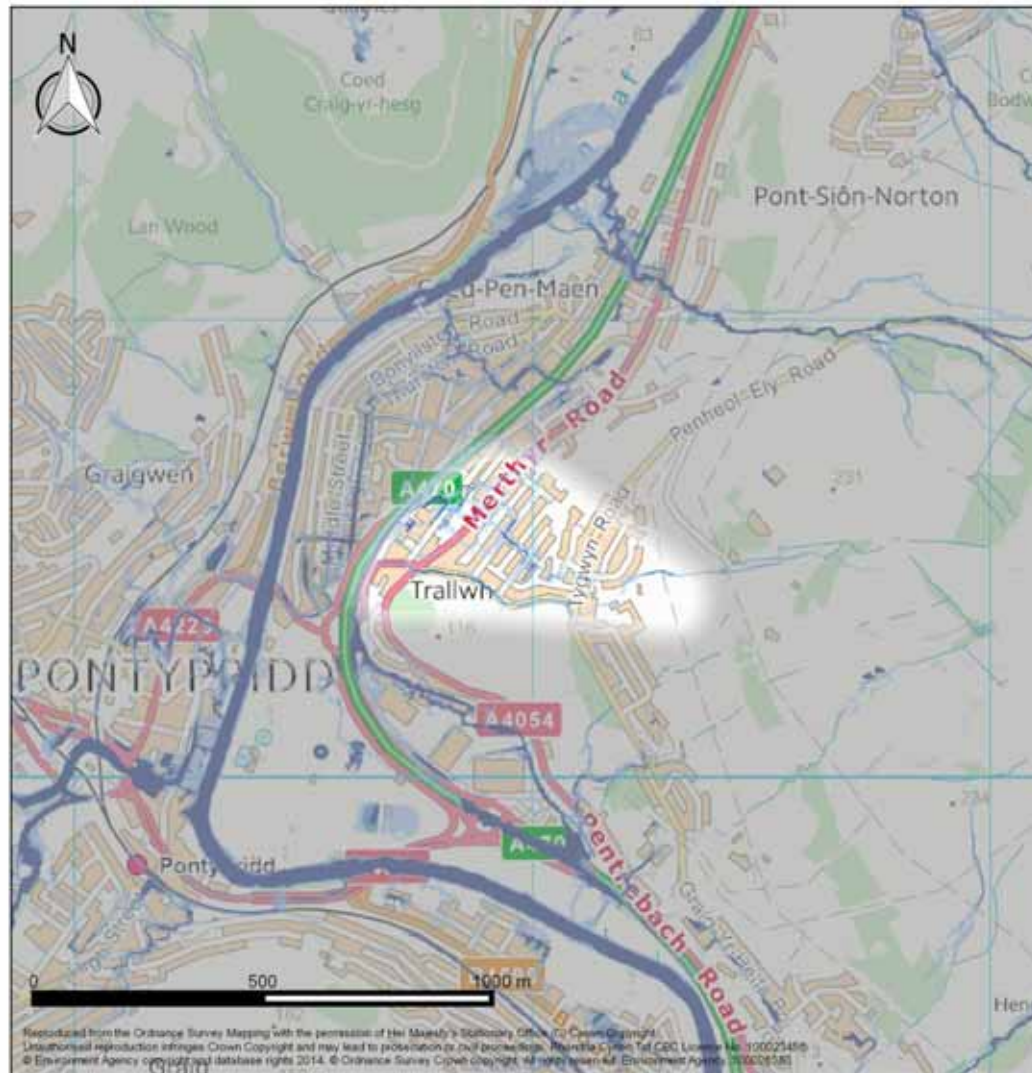
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0097

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	752	5	9	73
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	48	0	1	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	3			

Flood Risk Management Plan Measures for RCT0097

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0097	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0097



RCT0097

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0098

Flood Investigation Area RCT0098 is situated within Trealaw. The risk posed to the area is anticipated to be sourced from the interaction between surface water and main river. A low to high risk is presented across the lower regions of the hillside, broadly up to Miskin Road. A flood risk to the railway line is noted.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between the reported flooding to highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0098

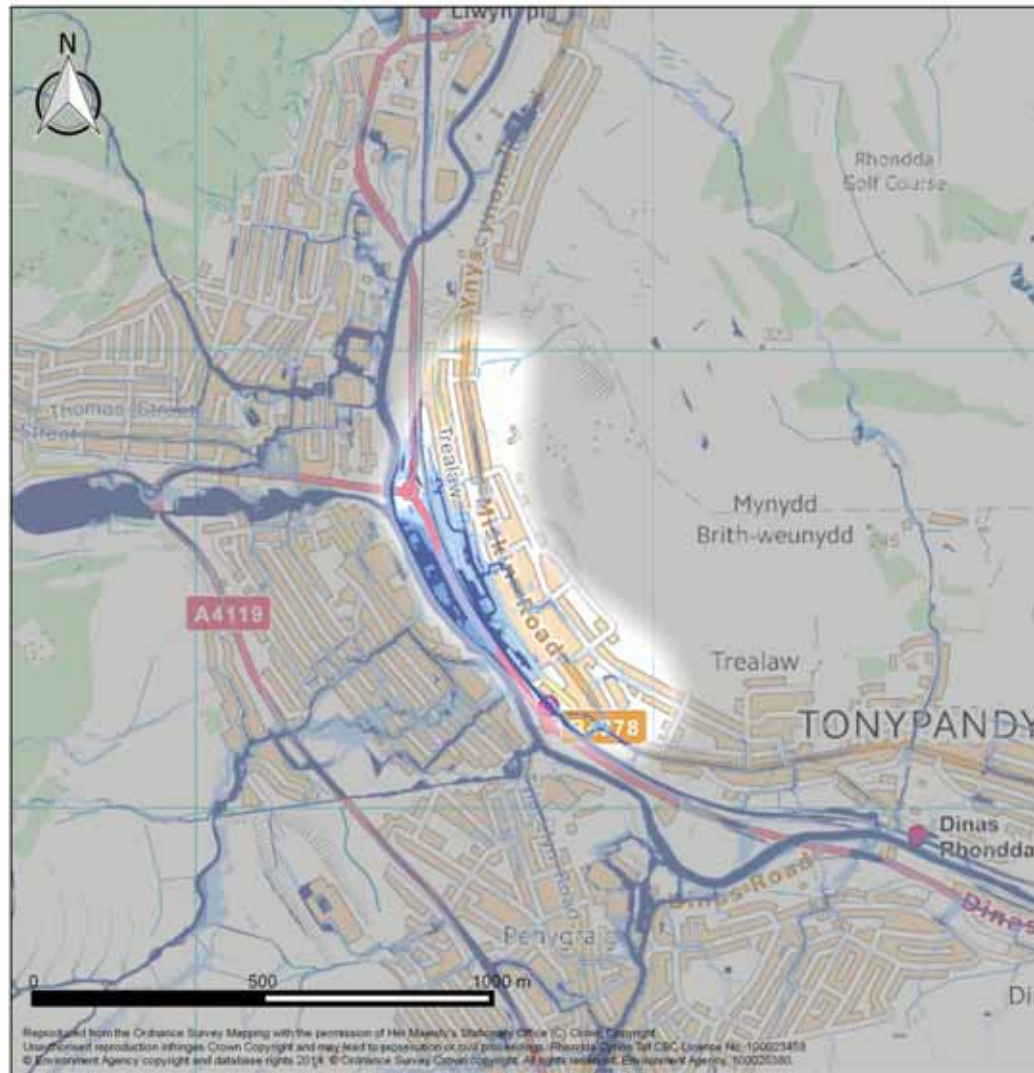
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1516	56	33	310
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	87	18	6	9
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.4	0.03	0.2
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	7			
Highway	12			

Flood Risk Management Plan Measures for RCT0098

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0098	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0098



RCT0098

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0099

Flood Investigation Area RCT0099 is situated within the community area of Trealaw, with the flood risk considered to be sourced from surface runoff. A low to high risk is identified in the area surrounding the Ynyscynon public house.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The one instance of highway flooding reported to the authority is consistent with the flood risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

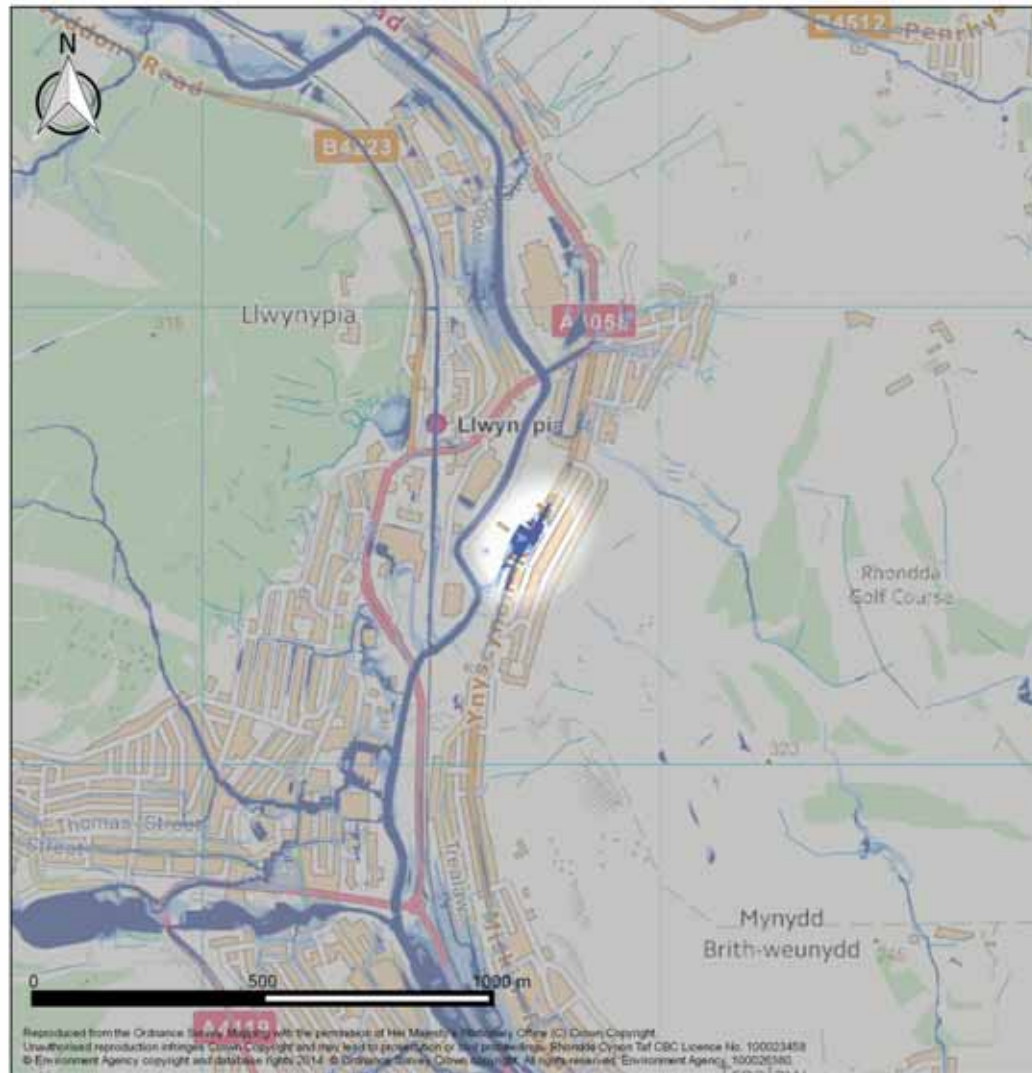
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0099

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	136	40	16	5
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	9	1	0	0
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	1			

Flood Risk Management Plan Measures for RCT0099

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0099	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0099



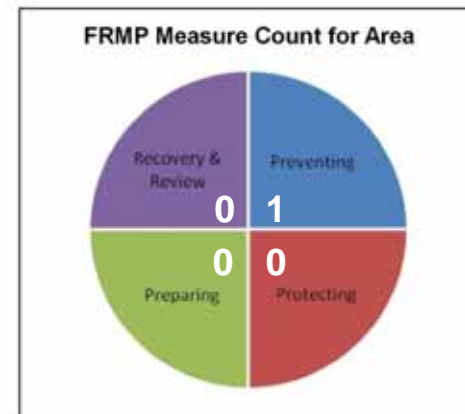
RCT0099

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0100

Flood Investigation Area RCT0100 is situated within the community area of Trealaw. The flood risk presented in the area is predominantly considered to be surface runoff. This potential flood risk is noted to pose a low to high flood risk along the highways network, notably Enid Street, Brithweunydd Road and Brynteg Terrace. The uFMfSW also show a low to high flood risk to the railway line.

A flood flow path is also noted to the west of the area and it is likely attributed to a culvert inlet on the unnamed watercourse. This flood flow path follows Nile Road, before flowing over open land and contributing to the flooding of the railway line.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between the internal flood incidents reported to the authority and the risk presented within the uFMfSW, whilst a good correlation is noted with the reported incidents of highway flooding.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

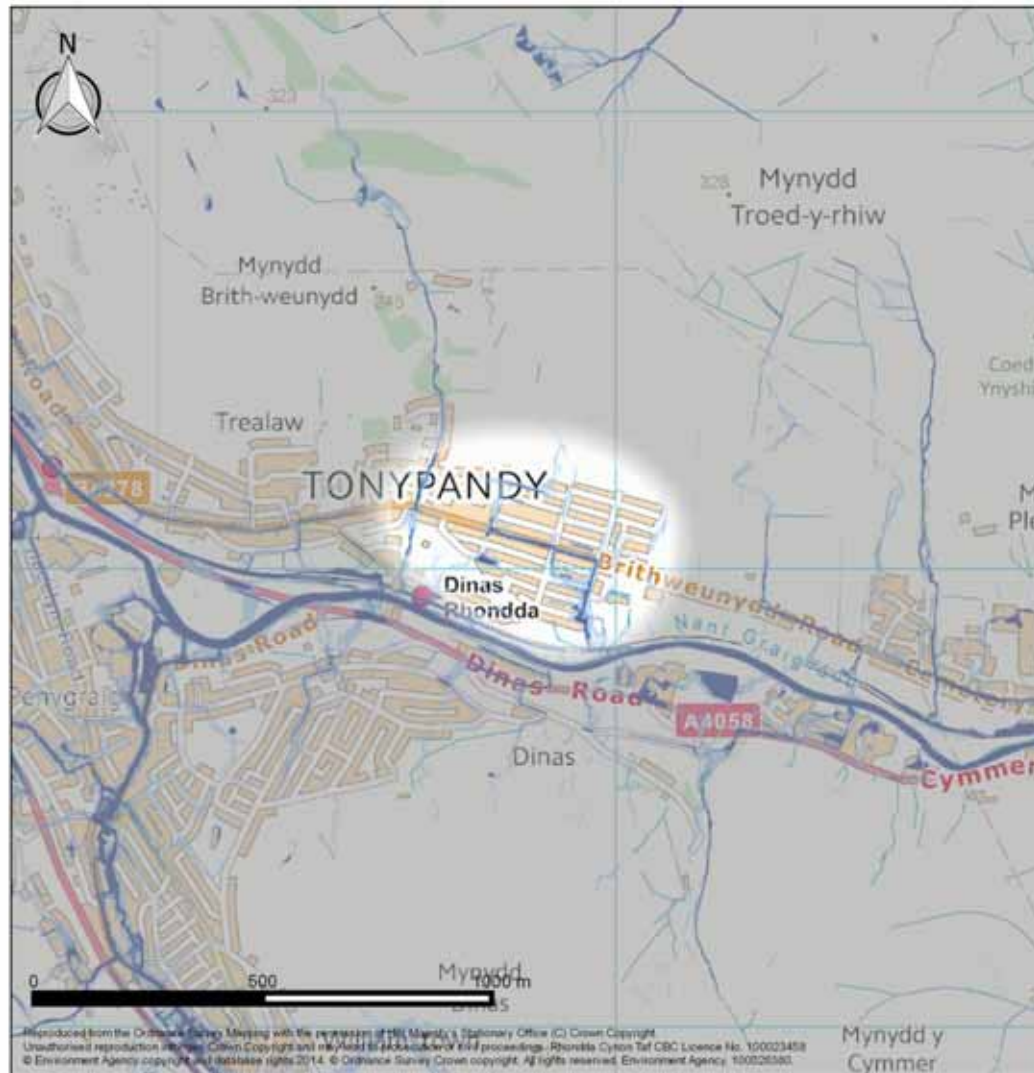
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0100

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1255	14	7	160
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	66	2	1	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	3			
Highway	11			

Flood Risk Management Plan Measures for RCT0100

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0100	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0100



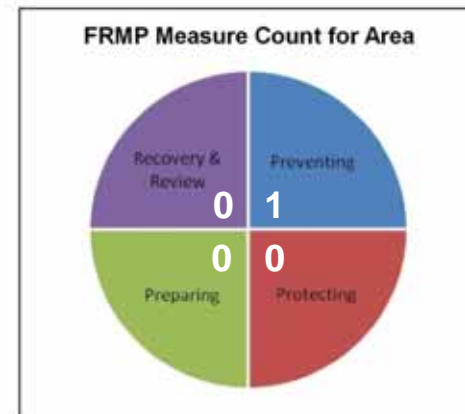
RCT0100

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0101

Flood Investigation Area RCT0101 is situated within the community area of Treforest. The flood risk is considered to be sourced from surface runoff. A high risk of flooding is posed adjacent to the southeast of the railway embankment; however, no flooding is observed to the railway line itself. There are three main hotspots of surface water flooding, notably in the area of the junction between Wood Road and Stow Hill, James Street and the area adjacent to St Dyfrig's Roman Catholic Church.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The one reported incident of external property flooding is not consistent with the uFMfSW and there is a poor correlation between the reported highway flooding incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

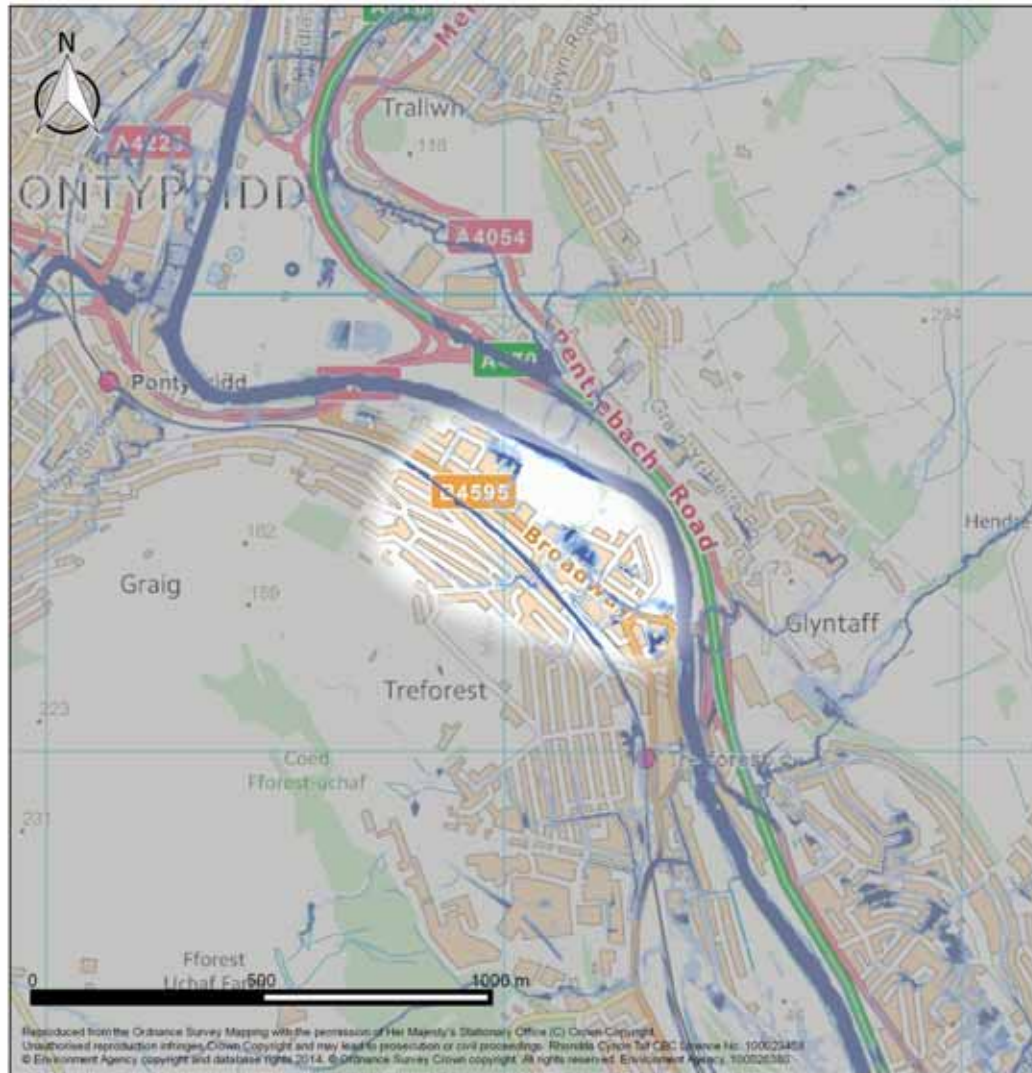
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0101

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1351	21	26	103
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	123	3	7	19
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.01	0.01	0.04
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	16	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	6			

Flood Risk Management Plan Measures for RCT0101

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0101	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0101



RCT0101

Legend

-  RCTBoundary
 -  Flood Investigation Area
- Flooding Risk**
-  High
 -  Medium
 -  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0102

Flood Investigation Area RCT0102 is situated within the community area of Treforest and the flood risk is considered to be sourced from a combination of surface runoff and an unnamed ordinary watercourse. Flood risk is presented adjacent to the railway line on the western side and is noted to pose a flood risk to the line to the west of John Street, where the flood flow path crosses the railway line. A low to high risk is also noted in the area of Rees Terrace.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between the reported flood incidents to the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

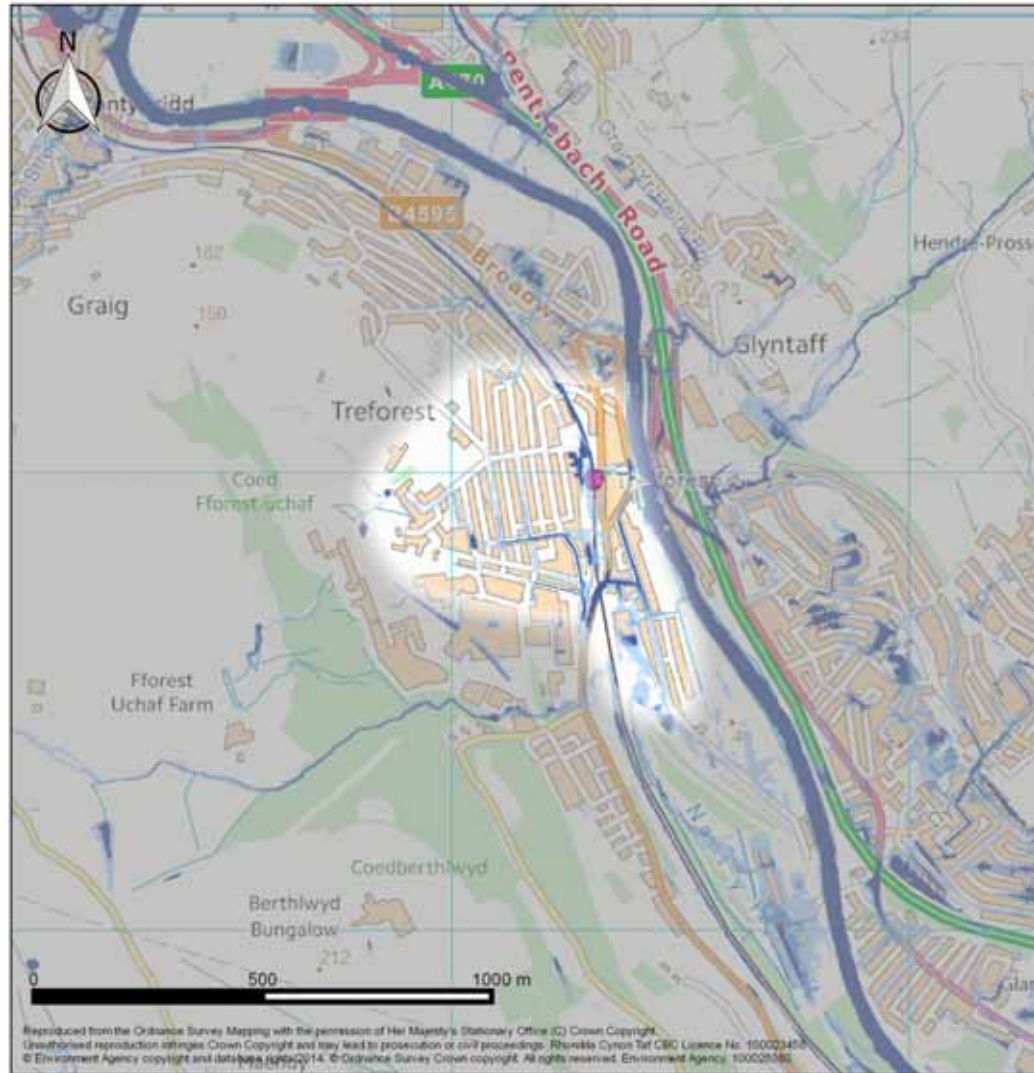
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0102

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1955	12	26	200
Services	3	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	146	0	0	12
Airports	0	0	0	0
Roads (km)	0.2	0.02	0	0.03
Railways (km)	1	0.2	0.04	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	4	1	0	1
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	12			

Flood Risk Management Plan Measures for RCT0102

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0102	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0102



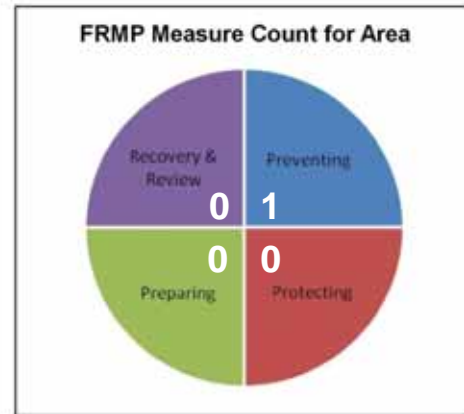
RCT0102

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0103

Flood Investigation Area RCT0103 is situated within the community area of Treherbert and the flood risk is likely a combination of ordinary watercourse and Main River flooding. A low to high risk is identified across Blaencwm, with higher risk observed along the highway network.

It is considered that there may be the potential to consider land management in the upper catchment to alleviate this flood risk.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

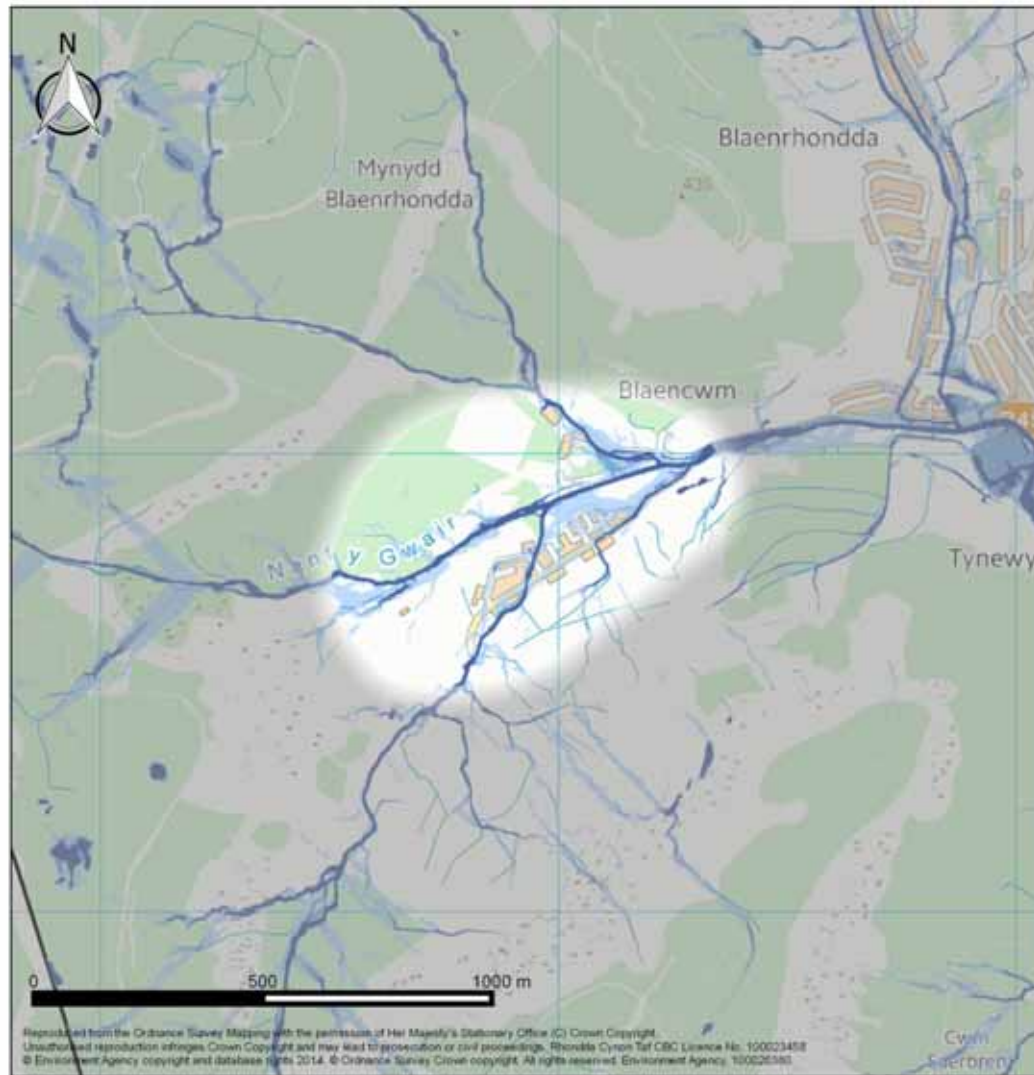
There are two reported flood incidents to external property and this has excellent correlation with the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0103

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	322	0	0	143
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	26	0	0	6
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	1	0	0	1
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	0			

uFMfSW for RCT0103



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RCT0103

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0104

Flood Investigation Area RCT0104 is situated within the community area of Treherbert and the flood risk is considered to be sourced from ordinary watercourse and main river. In the north of the Flood Investigation Area a considerable area of land is noted to be at low to high risk of surface water flooding, sourced from culvert inlets and bank breaches of the numerous ordinary watercourses in the area.

A low to high risk is presented within Blaenrhondda, notably the length of Brook Street and it is likely this is attributed to an interaction between ordinary watercourse and main river flooding.

It is considered that there may be the potential to consider land management in the upper catchment to alleviate this flood risk.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no flood incidents reported within this Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0104

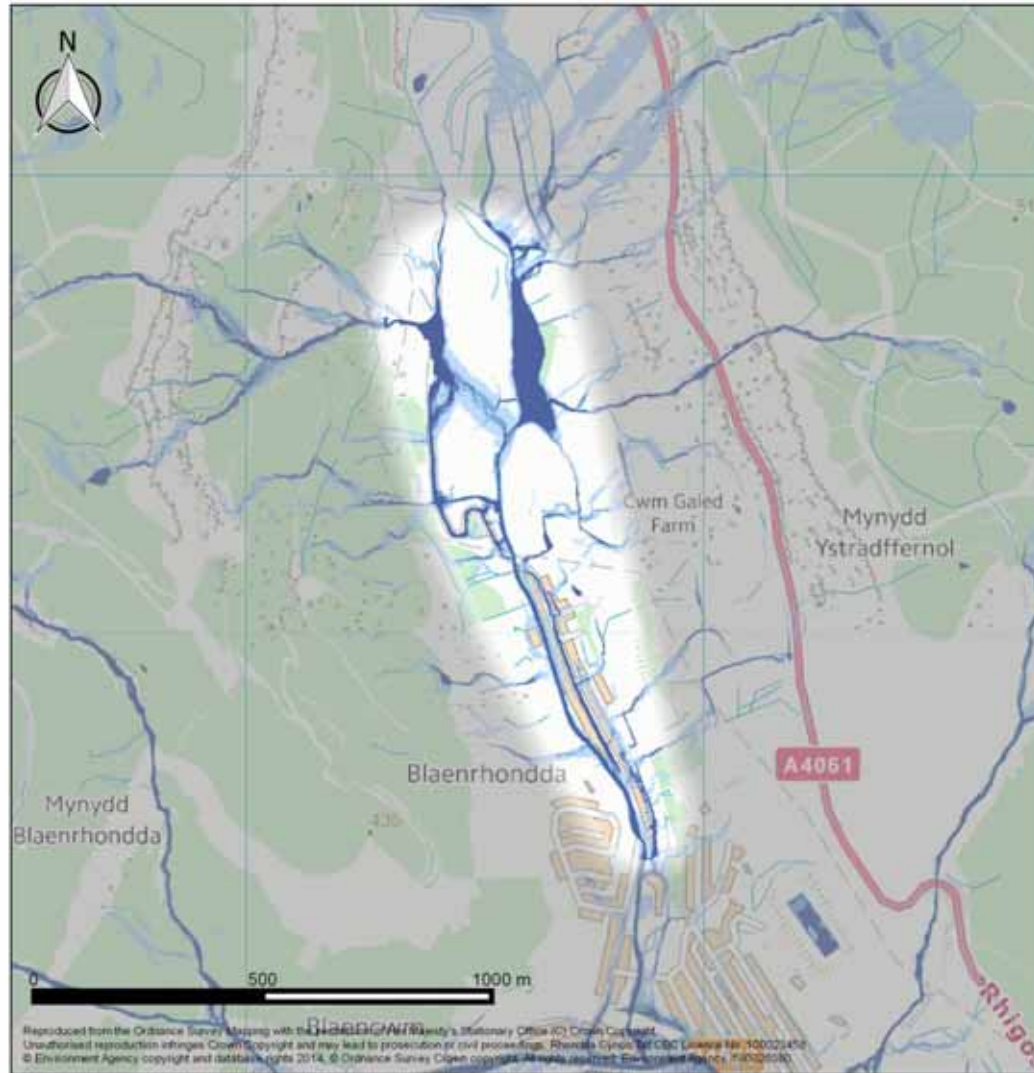
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	376	26	52	202
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	40	1	2	12
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	1			

Flood Risk Management Plan Measures for RCT0104

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0104	Local / Main River	10	Land Management	M34 (Protection)	2016-2021	Proposed	
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0104



RCT0104

Legend

-  RCTBoundary
 -  Flood Investigation Area
- Flooding Risk**
-  High
 -  Medium
 -  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0105

Flood Investigation Area RCT0105 is situated within the community area of Treherbert. The flood risk presented within the uFMfSW is anticipated to be the interaction between ordinary watercourse and main river flooding. The highest flood risk within the Flood Investigation is attributed to culvert inlet within sections of main river, notably, the Nant Ystradffernol, the Nant Coedcaetyllefforest and the Nant Pwll-Brwyn. Flooding is also anticipated to be sourced from the Rhondda River at the base of the valley.

A high risk is identified throughout the residential development of Treherbert (both Tynewydd and Pen-yr-englyn).

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There appears to be a very good correlation between reported flood events (internal, external and highway flooding) to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0105

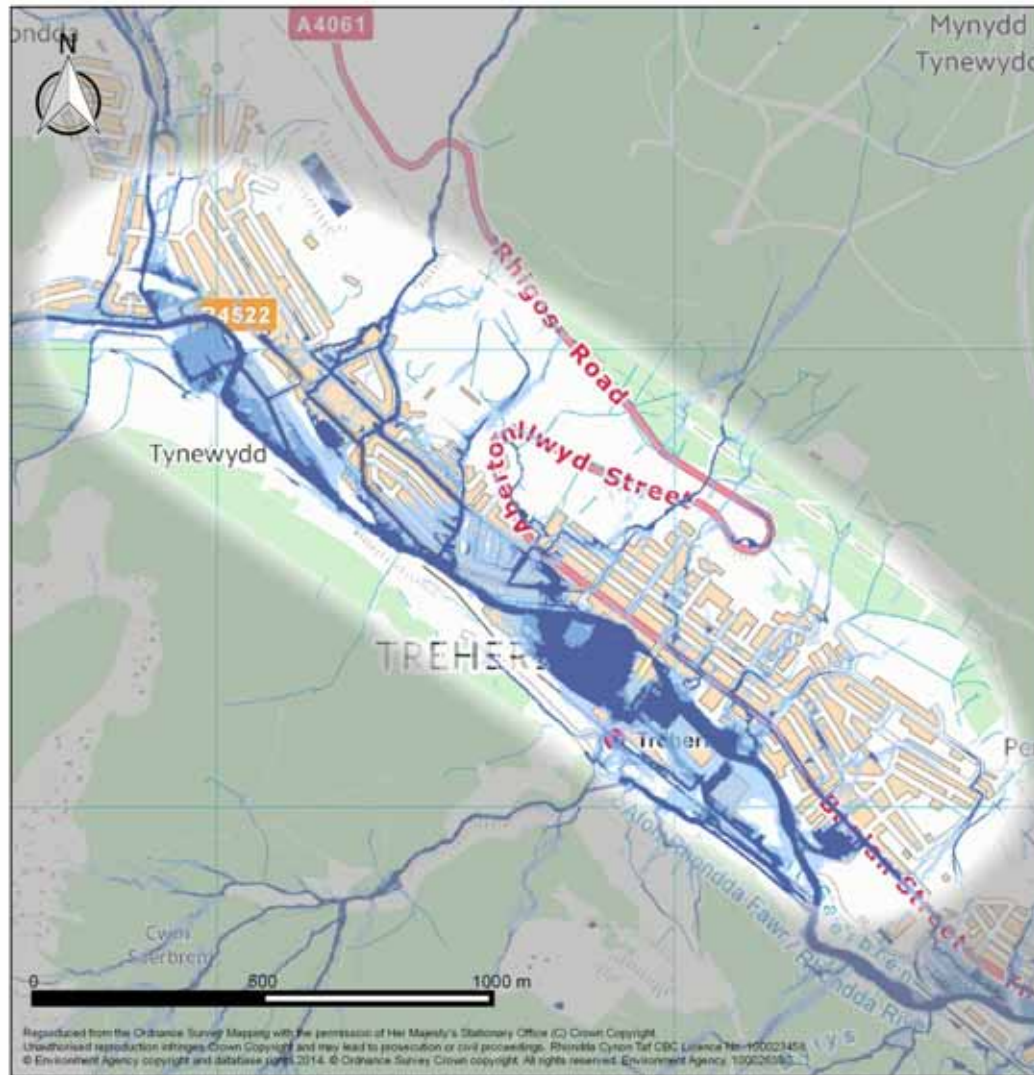
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	5595	639	557	1466
Services	4	2	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	317	57	46	50
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.1	0.1	0.5
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	4	0	0	1
Licensed Abstractions	2	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	18			
Highway	28			

Flood Risk Management Plan Measures for RCT0105

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0105	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0105



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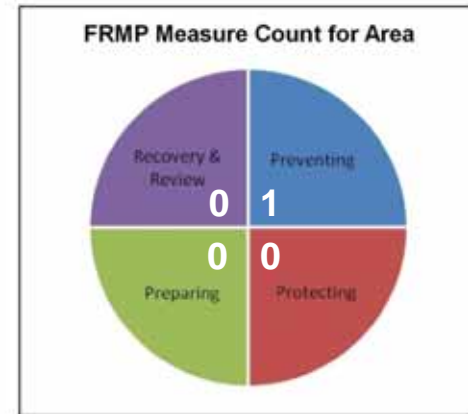
RCT0105

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0106

Flood Investigation Area RCT0106 is situated within Treorchy and the flood risk is anticipated to be predominantly sourced from main river. Four unnamed watercourse drain through the residential development of Cwmparc and are noted to pose a risk from culvert inlets.

It is considered that there may be the potential to consider land management in the upper catchment to alleviate this flood risk.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW, notably in the lower elevations of the valley.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0106

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2493	85	47	400
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	107	2	4	17
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	11			
Highway	20			

Flood Risk Management Plan Measures for RCT0106

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0106	Local / Main River	10	Land Management	M34 (Protection)	2016-2021	Proposed	RCTCBC / Natural Resources Wales
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

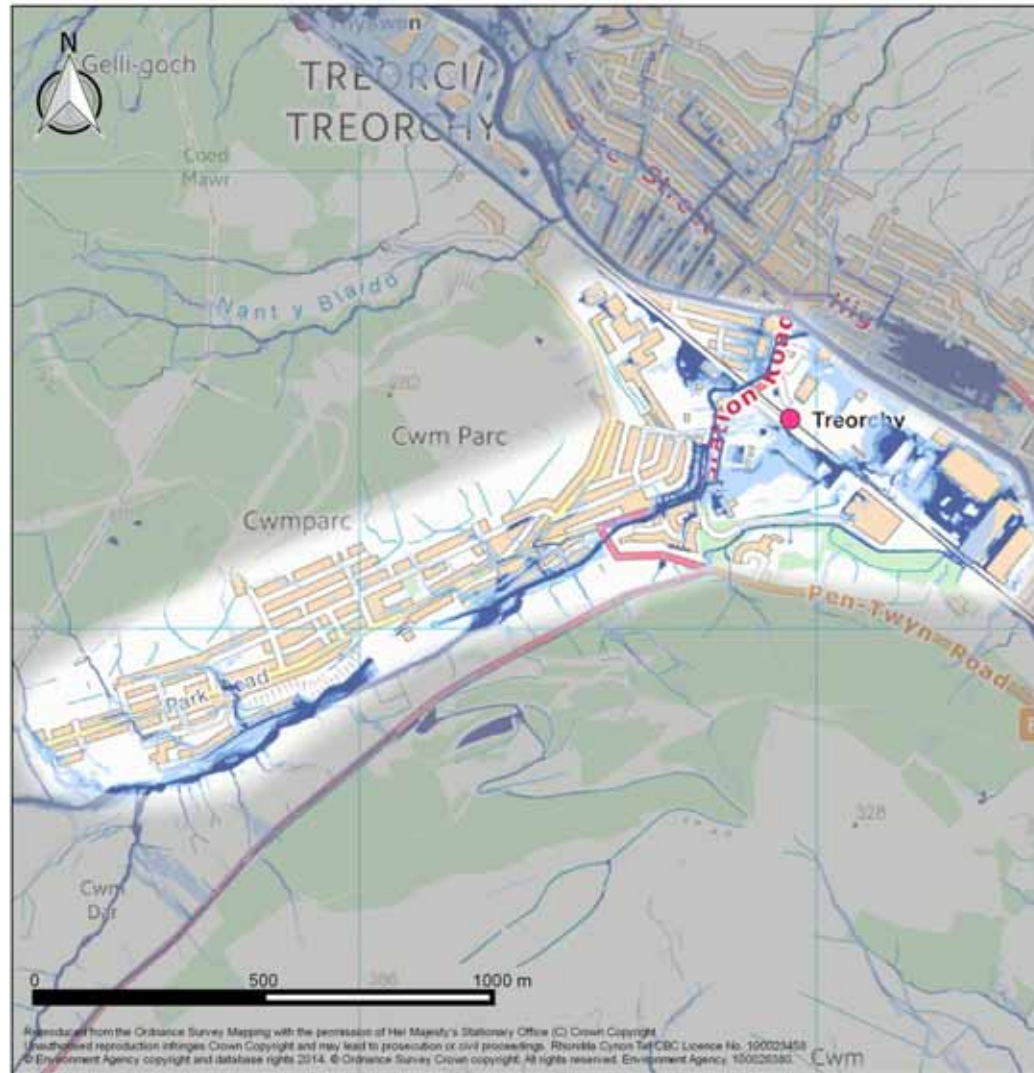
The Flood Risk Management Plan for the Severn River Basin District has proposed measures for the flood risk from main rivers that may provide an opportunity for collaborative working. The table below provides an excerpt from the Severn River Basin draft Flood Risk Management Plan.

Summary of Natural Wales Resources ongoing and proposed measures within Flood Investigation Area RCT0106

Location	Source	Measures	Measure Type	Link to SRBD FRMP objective*	Timing	Priority	Measure Status	Responsible Authority
Treorchy	Main River	Undertake initial assessment and feasibility work for reducing flood risk	M3 – Protection	1, 2	Current	Very High	Not Started Proposed	Natural Resources Wales
		Update Hydraulic Model	M3 – Protection	3	Current	Very High	On-going	Natural Resources Wales

*This FRMP objective link is specific to the Severn River Basin District Flood Risk Management Plan

uFMfSW for RCT0106



RCT0106

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0107

Flood Investigation Area RCT0107 is situated within the community area of Treorchy and the flood risk is considered to be predominantly sourced from two main rivers, the Rhondda River in the south of the area and the Nant Coly in the west, notably the culvert inlet at the western end of prospect Place. The highest risk associated with the Flood Investigation Area is in the area of High Street, Regent Street and Rees Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0107

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1495	360	92	287
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	125	29	4	37
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	5			
Highway	12			

Flood Risk Management Plan Measures for RCT0107

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0107	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

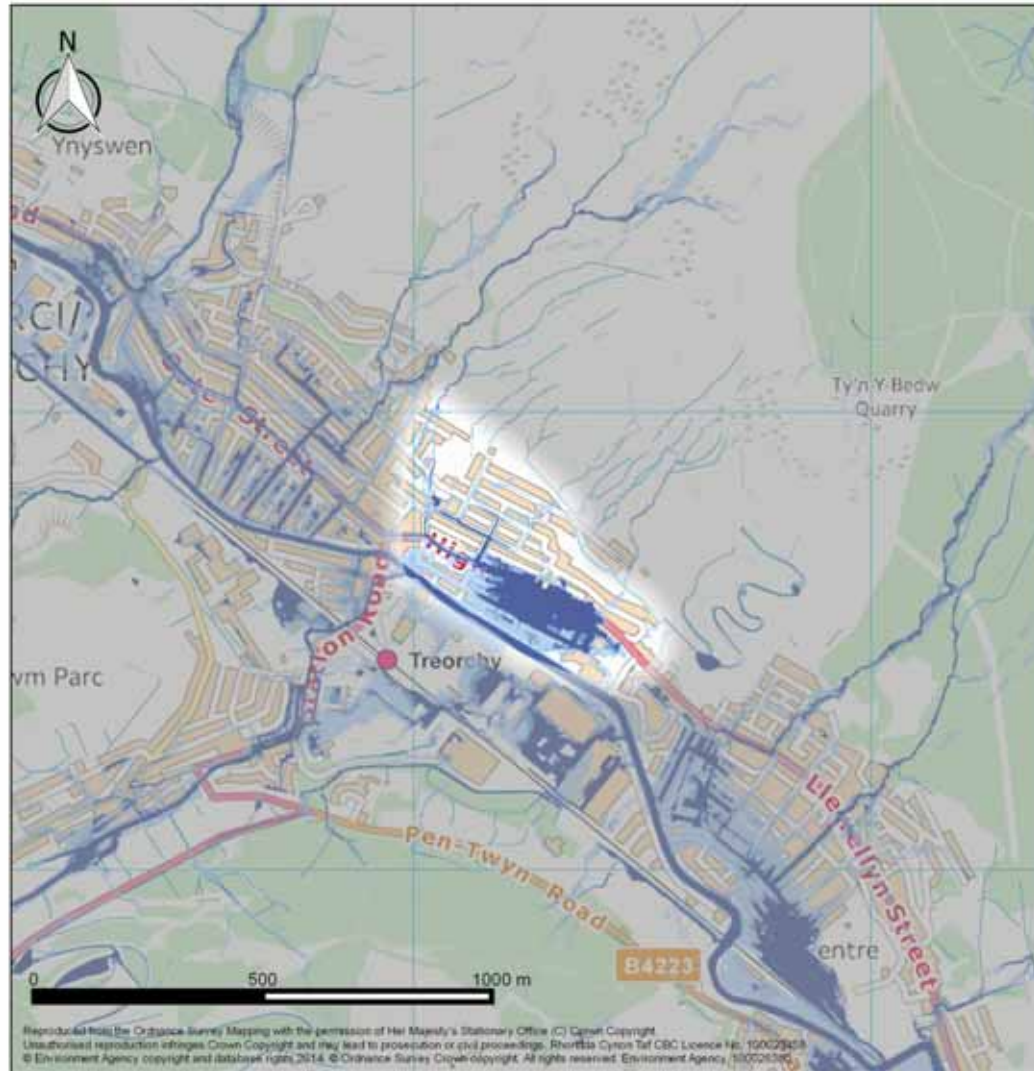
The draft Flood Risk Management Plan for the Severn River Basin District has proposed measures for the flood risk from main rivers that may provide an opportunity for collaborative working. The table below provides an excerpt from the Severn River Basin draft Flood Risk Management Plan.

Summary of Natural Wales Resources ongoing and proposed measures within Flood Investigation Area RCT0107

Location	Source	Measures	Measure Type	Link to SRBD FRMP objective*	Timing	Priority	Measure Status	Responsible Authority
Treorchy	Main River	Undertake initial assessment and feasibility work for reducing flood risk	M3 – Protection	1, 2	Current	Very High	Not Started Proposed	Natural Resources Wales
		Update Hydraulic Model	M3 – Protection	3	Current	Very High	On-going	Natural Resources Wales

*This FRMP objective link is specific to the Severn River Basin District Flood Risk Management Plan

uFMfSW for RCT0107



RCT0107

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0108

Flood Investigation Area RCT0108 is situated within the community area of Treorchy and the flood risk is considered to be sourced from a combination of main river and surface runoff. Principally, the flood is sourced from culvert inlets within the Nant Orci and Nant Tyle-du and bank breach of the Rhondda River. A low to high flood risk is presented throughout the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a very good correlation between all reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0108

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	3126	364	282	971
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	307	16	23	121
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.1	0	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	3	0	0	1
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	6			
Highway	21			

Flood Risk Management Plan Measures for RCT0108

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0108	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

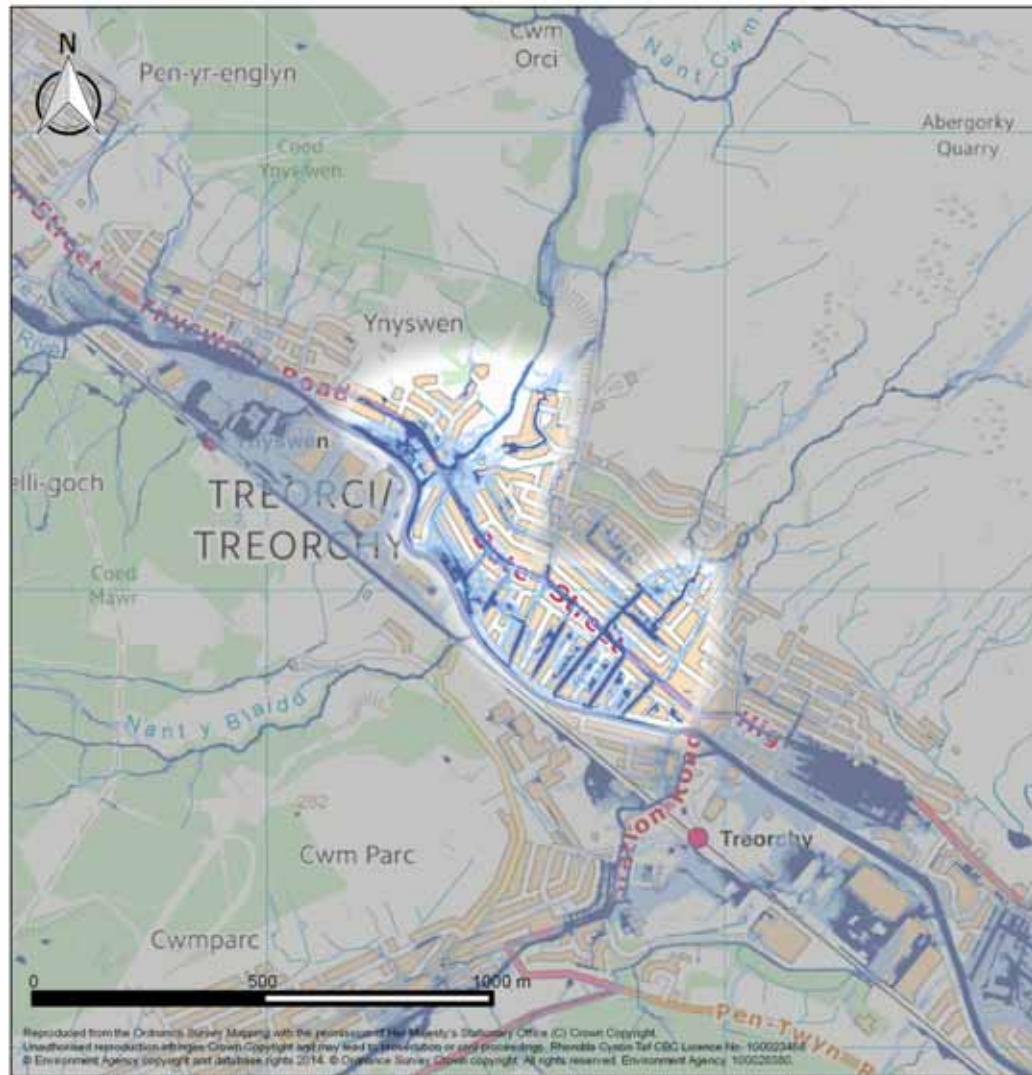
The draft Flood Risk Management Plan for the Severn River Basin District has proposed measures for the flood risk from main rivers that may provide an opportunity for collaborative working. The table below provides an excerpt from the Severn River Basin draft Flood Risk Management Plan.

Summary of Natural Wales Resources ongoing and proposed measures within Flood Investigation Area RCT0108

Location	Source	Measures	Measure Type	Link to SRBD FRMP objective*	Timing	Priority	Measure Status	Responsible Authority
Treorchy	Main River	Undertake initial assessment and feasibility work for reducing flood risk	M3 – Protection	1, 2	Current	Very High	Not Started Proposed	Natural Resources Wales
		Update Hydraulic Model	M3 – Protection	3	Current	Very High	On-going	Natural Resources Wales

*This FRMP objective link is specific to the Severn River Basin District Flood Risk Management Plan

uFMfSW for RCT0108



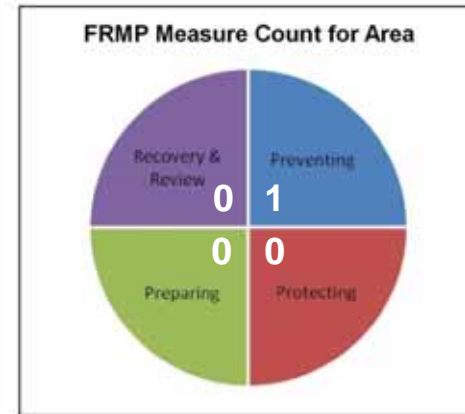
RCT0108

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0109

Flood Investigation Area RCT0109 is situated within Treorchy and is considered to be sourced from Main River and culvert inlets of several unnamed watercourses, where they are culverted beneath the residential development of Ynyswen and surface runoff. A low to high risk is identified across both residential and non-residential areas of Ynyswen.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0109

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	818	56	118	115
Services	1	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	58	9	3	18
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.3	0.1	0.2
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	5			
Highway	10			

Flood Risk Management Plan Measures for RCT0109

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0109	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

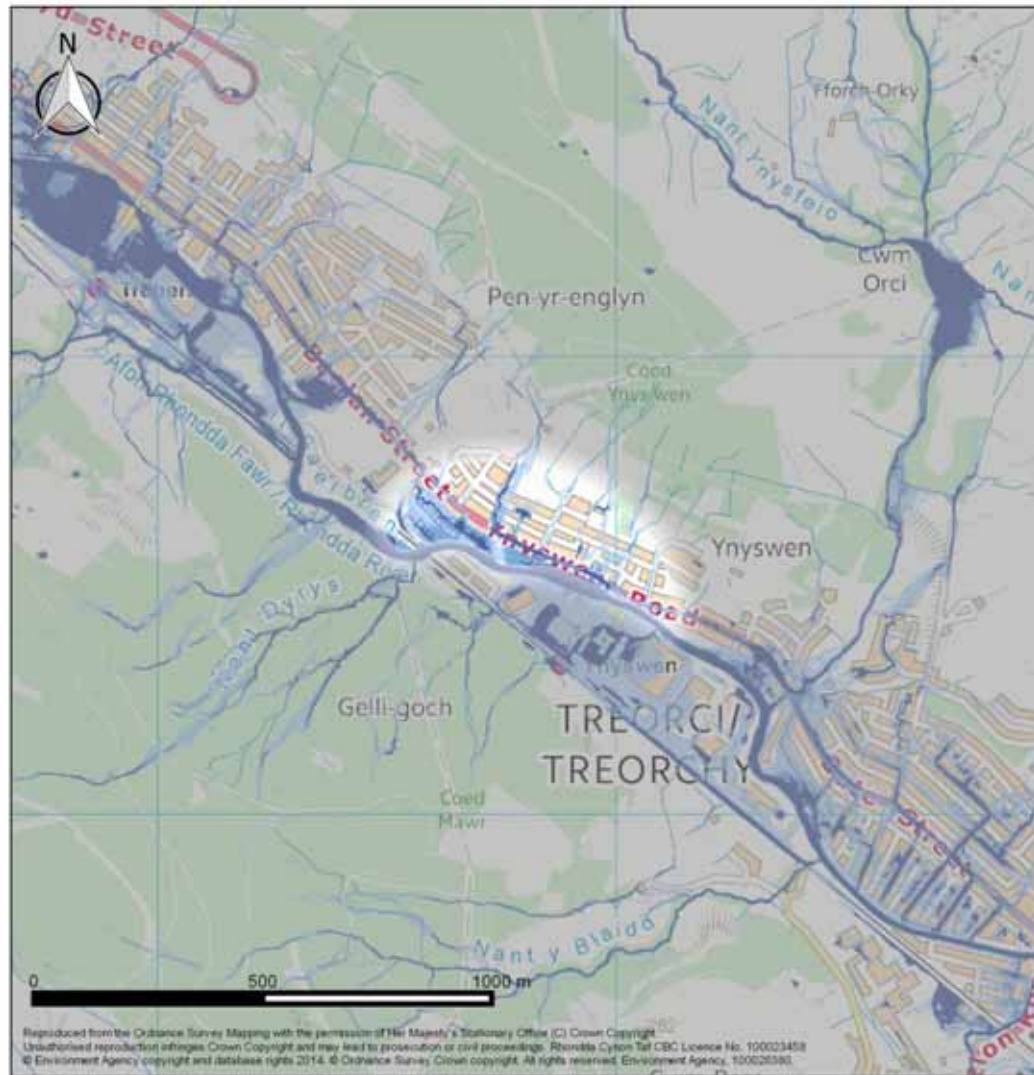
The draft Flood Risk Management Plan for the Severn River Basin District has proposed measures for the flood risk from main rivers that may provide an opportunity for collaborative working. The table below provides an excerpt from the Severn River Basin draft Flood Risk Management Plan.

Summary of Natural Wales Resources ongoing and proposed measures within Flood Investigation Area RCT0109

Location	Source	Measures	Measure Type	Link to SRBD FRMP objective*	Timing	Priority	Measure Status	Responsible Authority
Treorchy	Main River	Undertake initial assessment and feasibility work for reducing flood risk	M3 – Protection	1, 2	Current	Very High	Not Started Proposed	Natural Resources Wales
		Update Hydraulic Model	M3 – Protection	3	Current	Very High	On-going	Natural Resources Wales

*This FRMP objective link is specific to the Severn River Basin District Flood Risk Management Plan

uFMfSW for RCT0109



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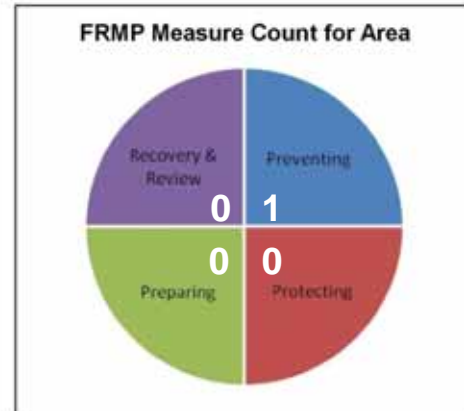
RCT0109

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0110

Flood Investigation Area RCT0110 is situated within the community area of Tylorstown. The flood risk posed to the area is likely to be attributed to surface runoff. A low to high risk is identified in the area of Edmondes Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported flooding incidents to the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

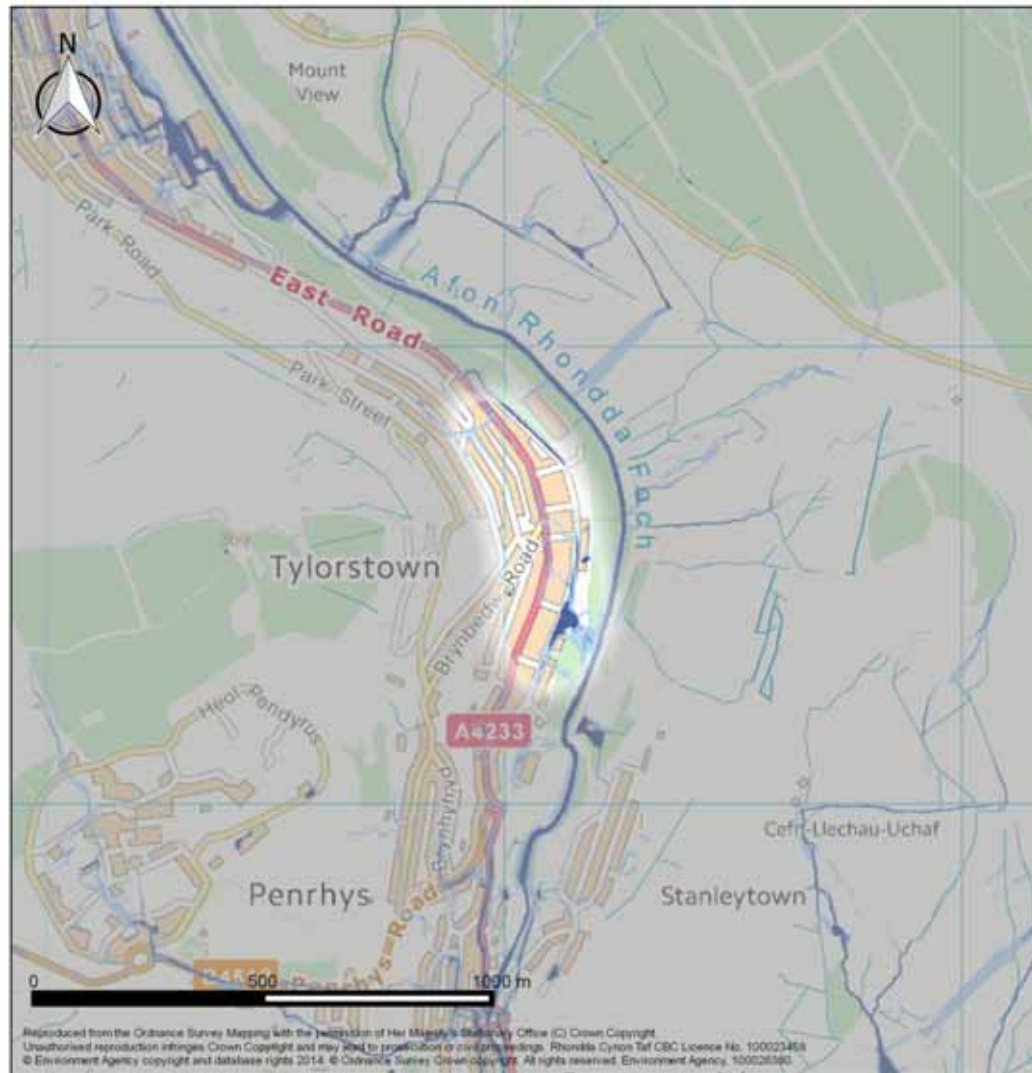
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0110

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	909	5	9	85
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	45	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	4			

Flood Risk Management Plan Measures for RCT0110

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0110	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0110



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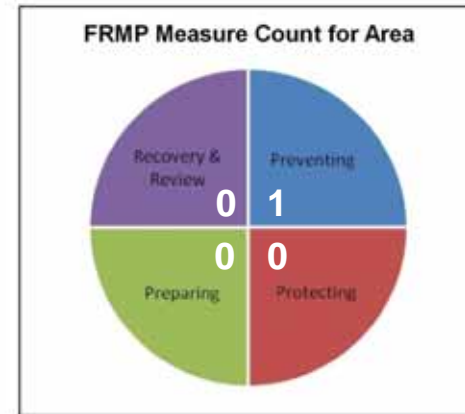
RCT0110

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0111

Flood Investigation Area RCT0111 is situated within the community area of Tylorstown and the flood risk is considered to be attributed to surface runoff. Due to the more sporadic nature of the residential development, flooding is noted to cascade through the centre area, notably in the area adjacent to Heol Mair and Heol Dyfed.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

No flood incidents identified within the area relate to property flooding; however, there is a good correlation between recorded flooding to the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

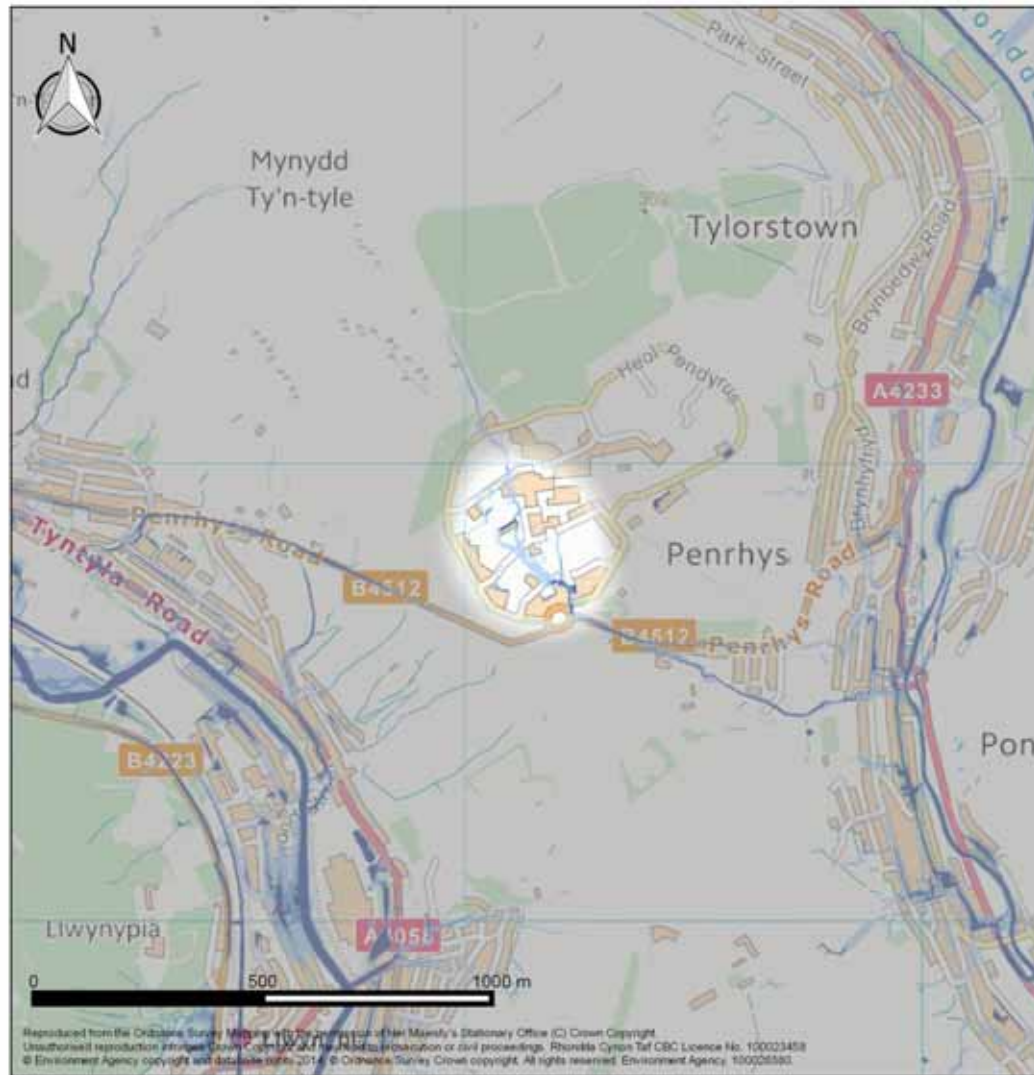
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0111

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	360	14	2	49
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	22	1	0	2
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	5			

Flood Risk Management Plan Measures for RCT0111

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0111	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0111



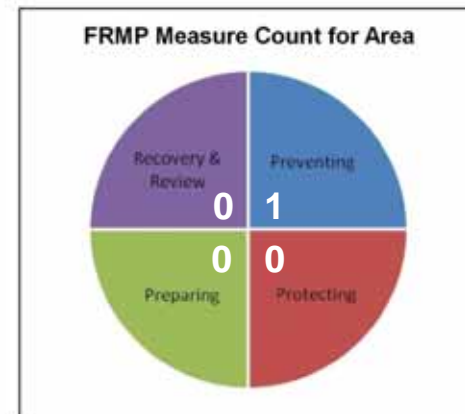
RCT0111

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0112

Flood Investigation Area RCT0112 is situated within the community area of Tylorstown and the flood risk is considered to be sourced from the interaction between surface runoff in the north and a culvert inlet on the unnamed watercourse in the south of the site. The two sources flood risk merges along a section of Llewellyn Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between flood incidents relating to property and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

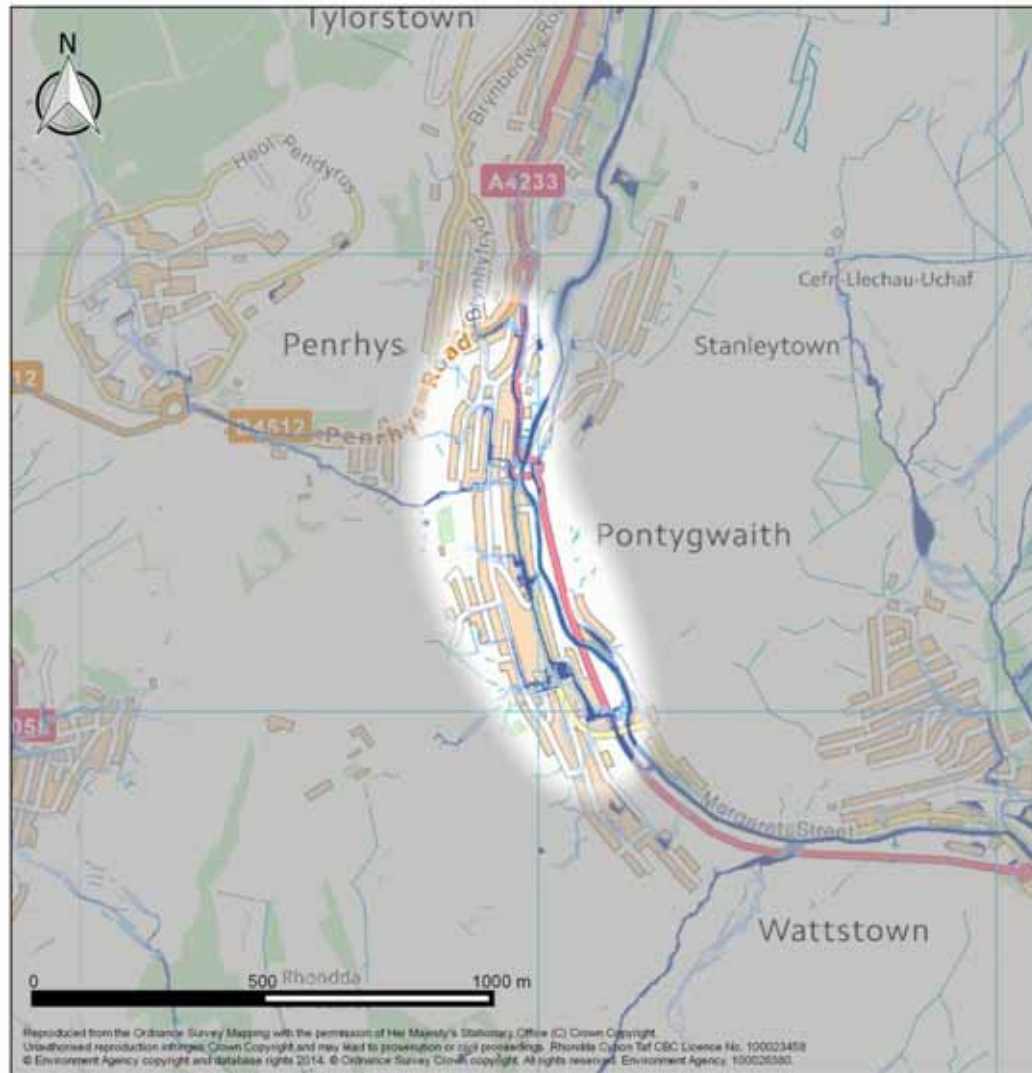
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0112

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1671	115	61	244
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	66	4	1	2
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	9			
Highway	1			

Flood Risk Management Plan Measures for RCT0112

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0112	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0112



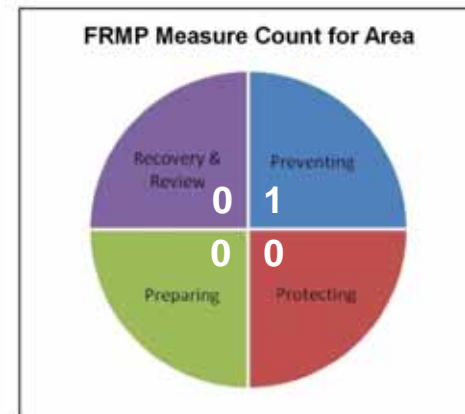
RCT0112

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0113

Flood Investigation Area RCT0113 is situated within the community area of Tyn-y-nant and the flood risk is considered to be sourced from surface runoff. A low to high risk is identified at Pleasant View, Forest Road and Fairview.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between the location of reported flooding incidents to highways and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

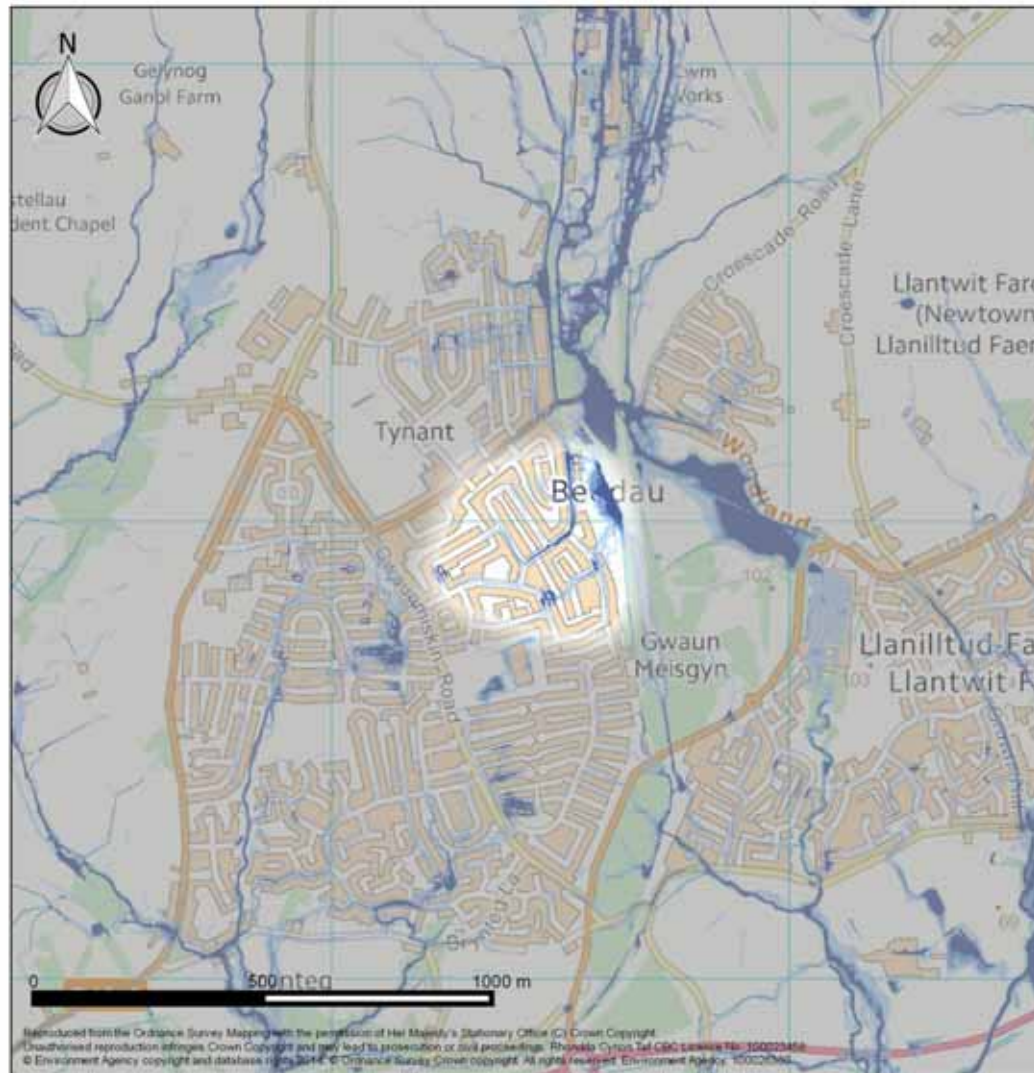
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0113

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	933	26	12	94
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	16	0	0	0
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	4			

Flood Risk Management Plan Measures for RCT0113

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0113	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0113



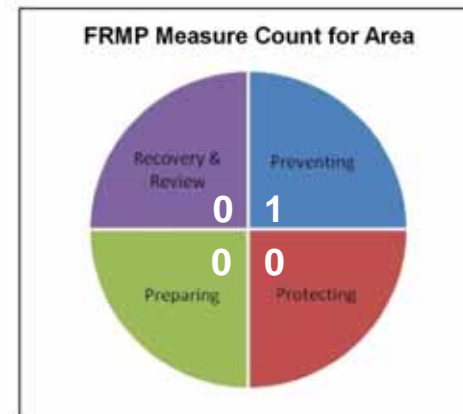
RCT0113

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0114

Flood Investigation Area RCT0114 is situated within the community areas of Tyn-y-nant and Beddau. The flood risk presented within the uFMfSW is considered to be sourced from surface runoff. The highest risk is noted in the area of Caldwell Close and Camperly Close and the area surrounding Byron Avenue and Manor Chase.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported incidents of external flooding and the uFMfSW; however, the once instance of highway flooding is consistent with the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

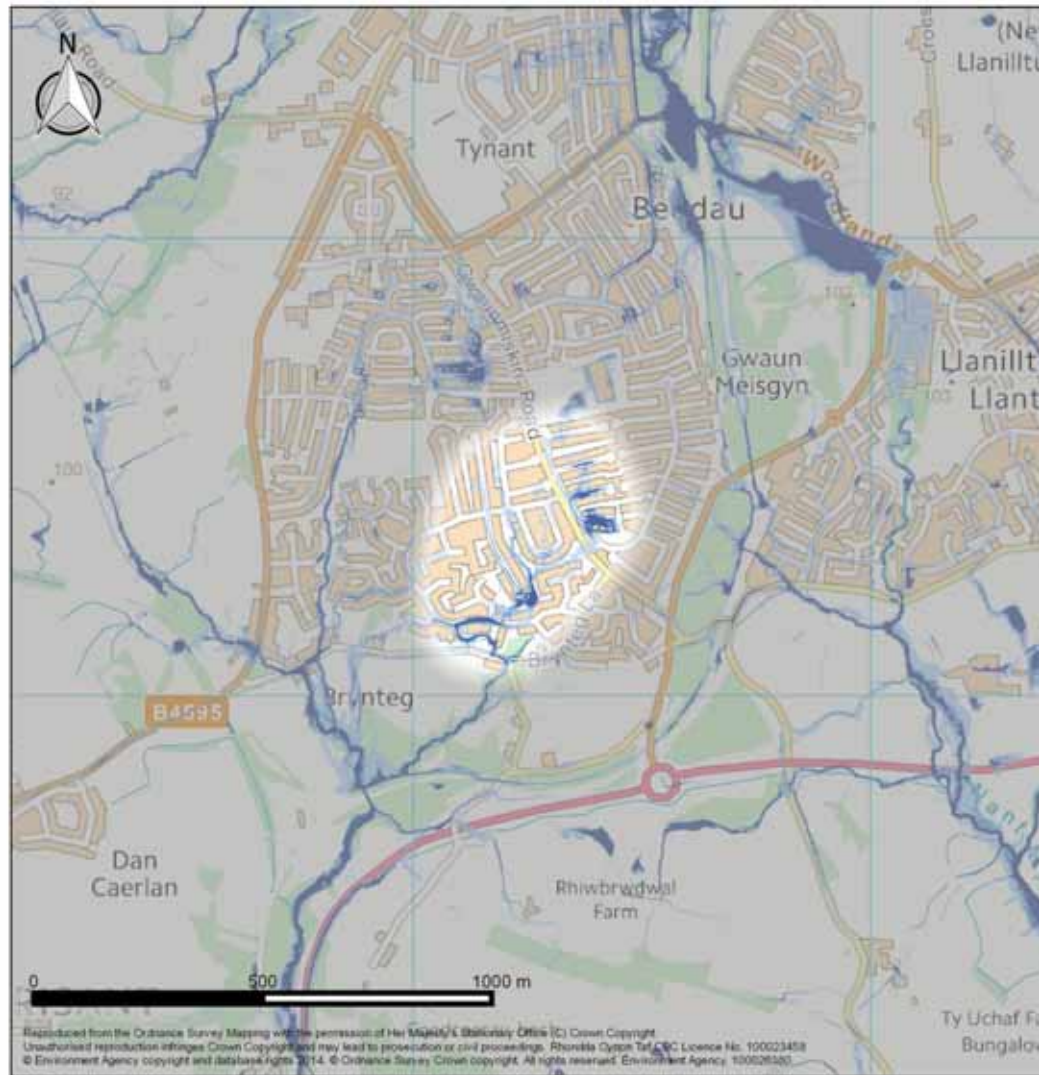
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0114

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1213	31	26	139
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	18	0	1	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	1			

Flood Risk Management Plan Measures for RCT0114

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0114	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0114



Flood Investigation Area - RCT0115

Flood Investigation Area RCT0115 is situated within the community areas of Tyn-y-nant and Beddau and the flood risk is considered to be sourced from surface water through the area, with a contribution from a culvert inlet of an unnamed ordinary watercourse in the east of the site.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a very poor correlation between flood incidents to the highway and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

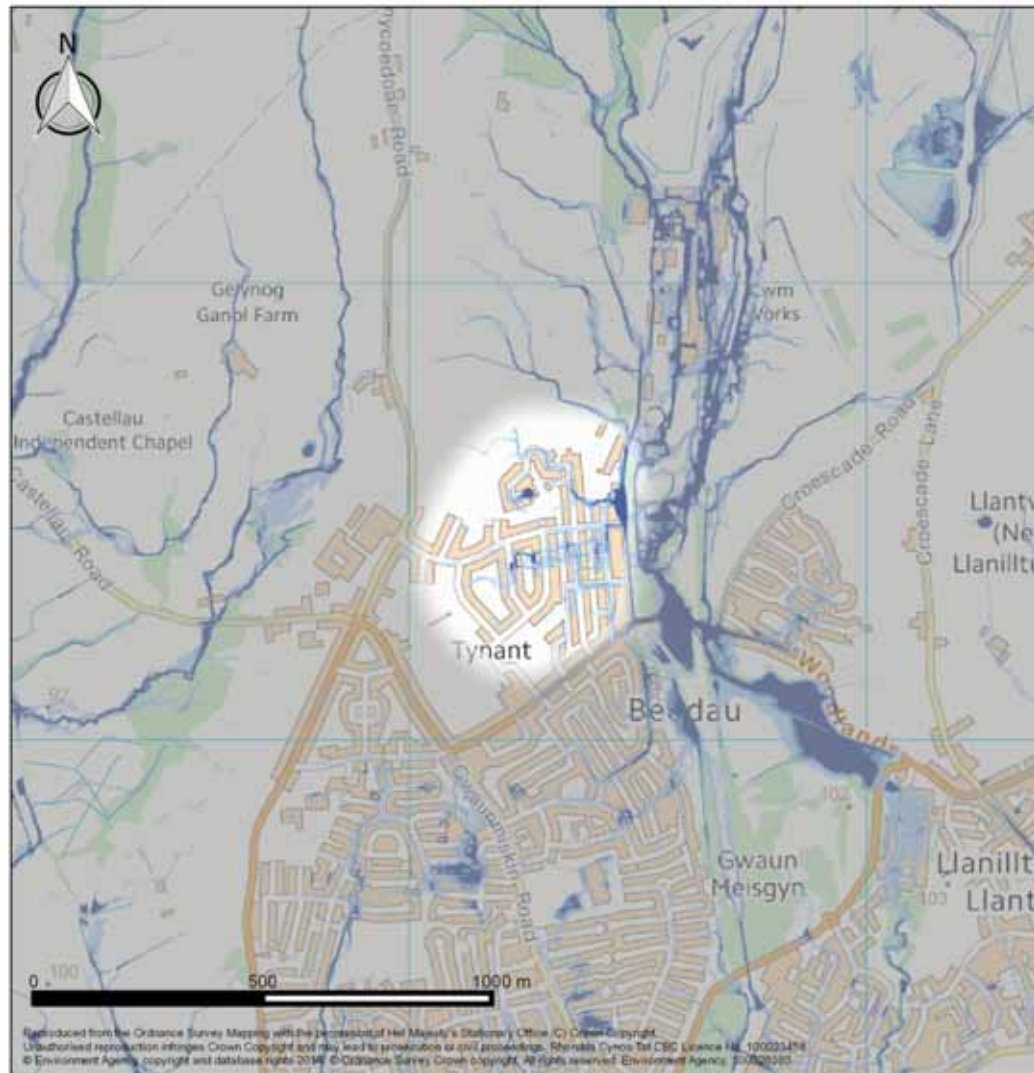
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0115

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	912	14	45	143
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	25	0	0	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	4			

Flood Risk Management Plan Measures for RCT0115

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0115	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0115



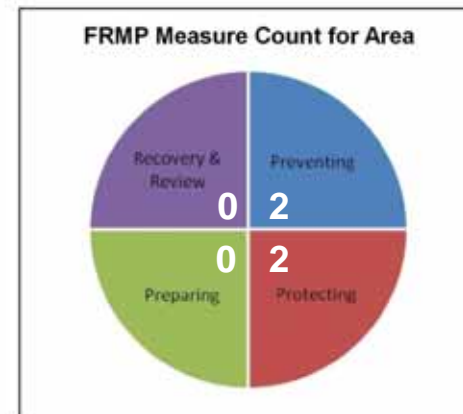
RCT0115

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0116

Flood Investigation Area RCT0116 is situated within the community areas of Llantwit Fardre and Tyn-y-nant. The flood risk observed within the area is likely attributed to a culvert inlet on the Nant Myddlyn (main river). The flow path is noted to flow south and present a low risk of flooding to the residential area of Llantwit Fardre.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported flood incidents within the Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0116

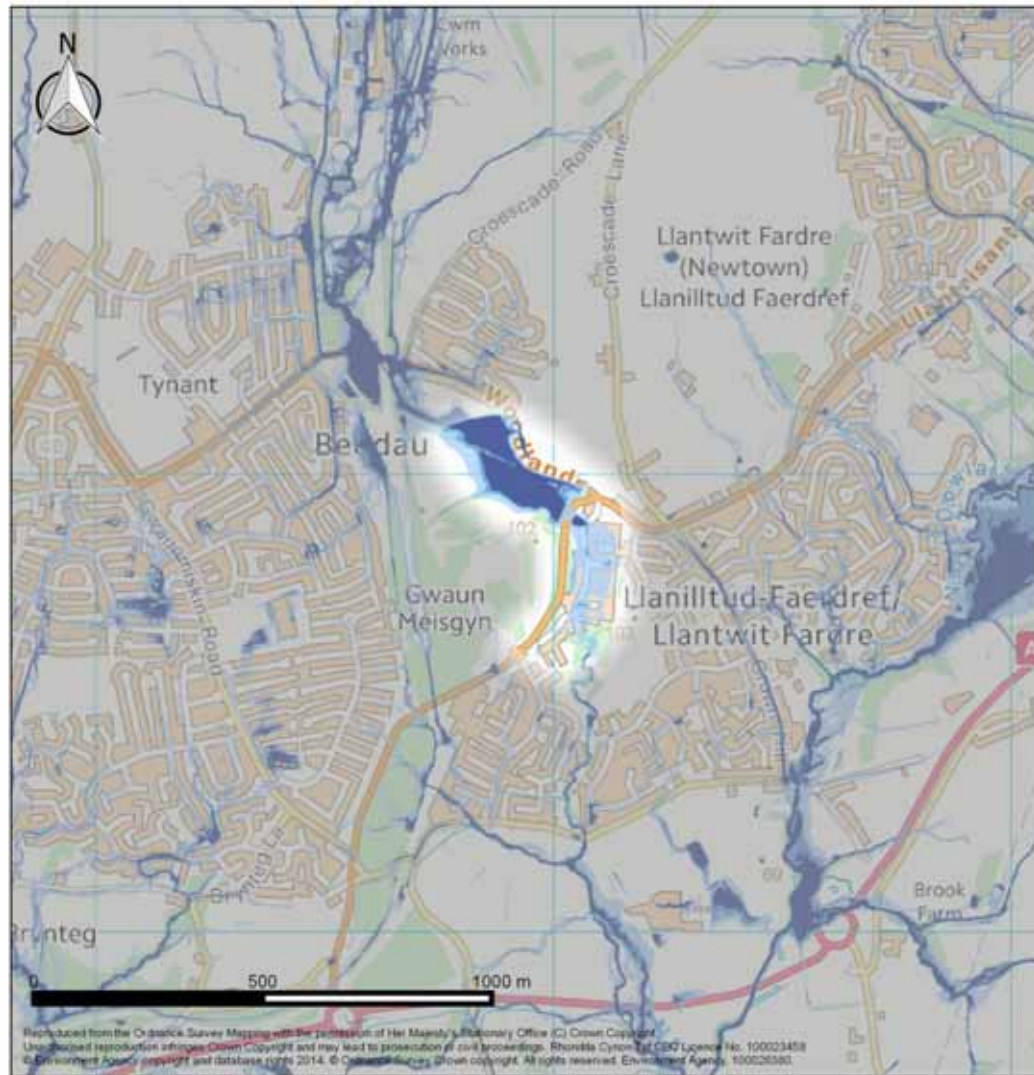
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	228	0	0	132
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	7	0	0	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0116

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0116	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0116



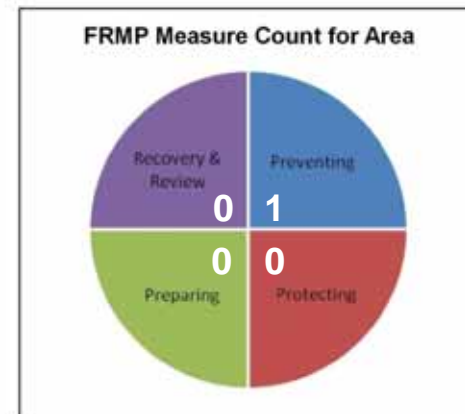
RCT0116

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0117

Flood Investigation Area RCT0117 is situated within the community area of Ynyshir and the flood risk is considered to be sourced from a combination of surface water and ordinary watercourse. The highest flood risk is noted in the south of the area and is likely attributed to a culvert inlet on an unnamed watercourse. There is also the potential for interaction between main river and local sources of flood risk at the valley floor.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between reported flood incidents to property and the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0117

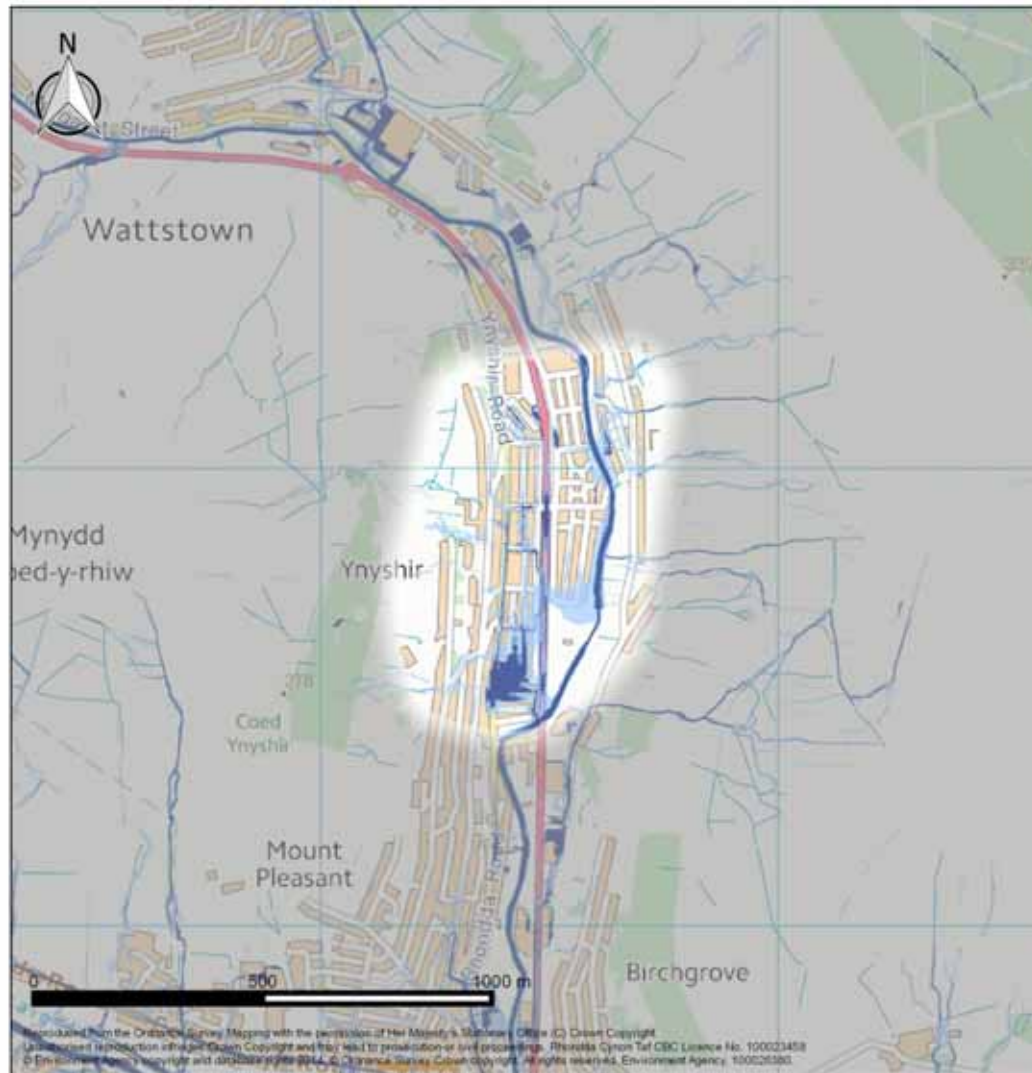
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2059	150	78	411
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	111	5	3	23
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	7			
Highway	7			

Flood Risk Management Plan Measures for RCT0117

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0117	Local / Main River	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0117



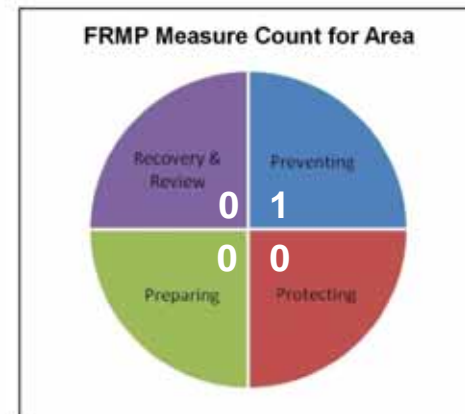
RCT0117

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0118

Flood Investigation Area RCT0118 is situated within the community areas of Glyncoch and Ynysybwl and the flood risk is likely attributable to surface water flooding. The flood risk is noted across the area with noted high risk along Cefn Lane and Ashgrove.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a very good correlation between external flooding to property reported to the council and the risk presented within the uFMfSW. The correlation between the uFMfSW and highway flooding and internal flooding is poor.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

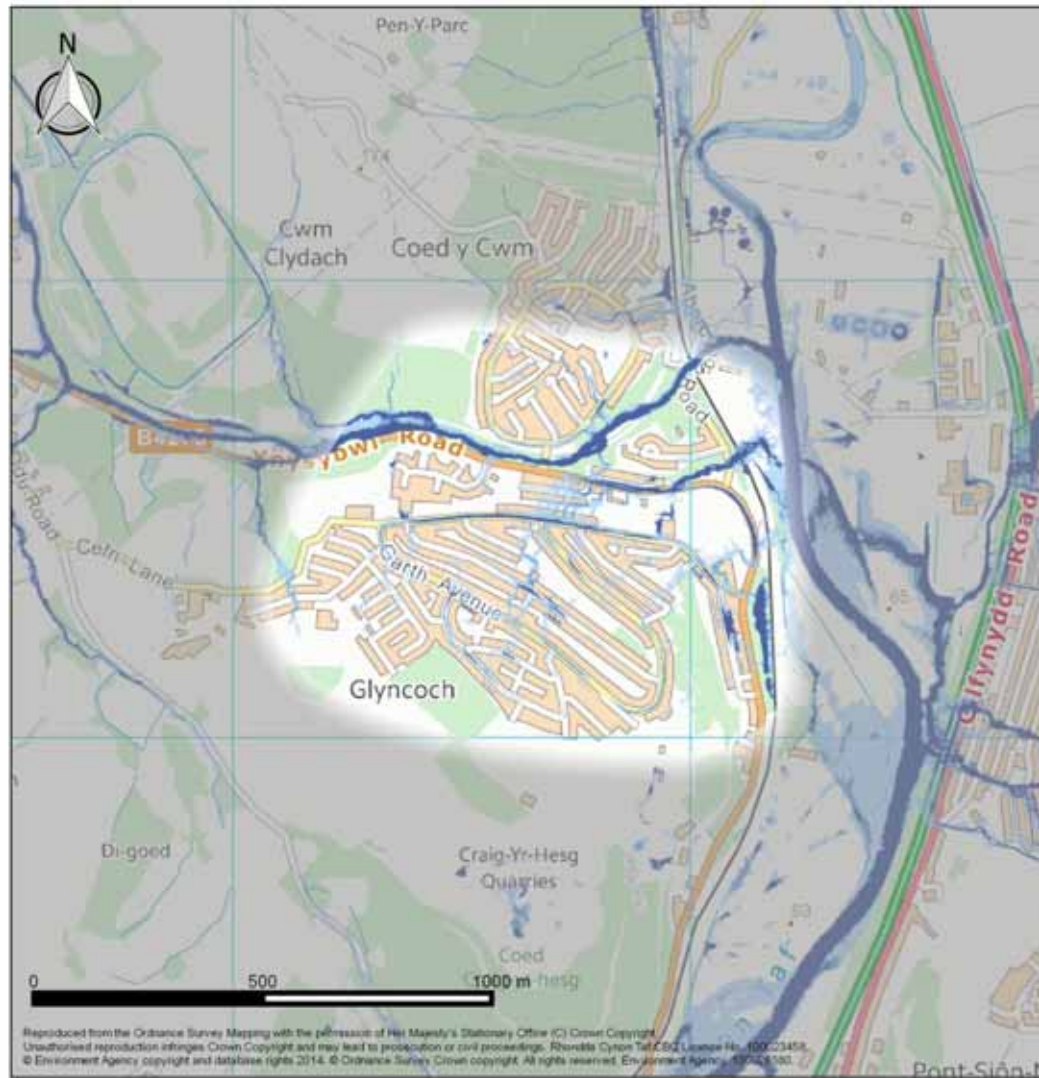
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0118

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	3922	14	33	409
Services	3	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	65	2	2	8
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.02	0.02	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	4	4	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	7			
Highway	9			

Flood Risk Management Plan Measures for RCT0118

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0118	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0118



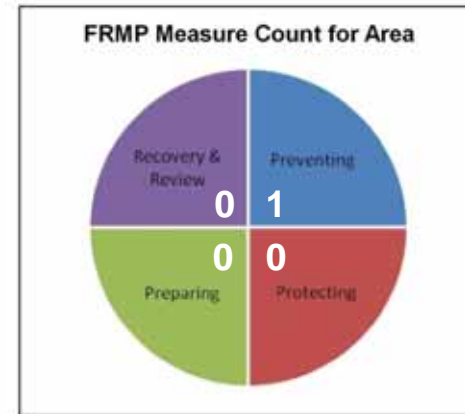
RCT0118

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0119

Flood Investigation Area RCT0119 is situated within the community area of Ynysybwl and the flood risk is considered to be sourced from surface runoff, a culvert inlet within ordinary watercourse and main river. The highest risk is associated with a culvert inlet in the centre of the Flood Investigation Area.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flooding incidents to external property and the highway and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

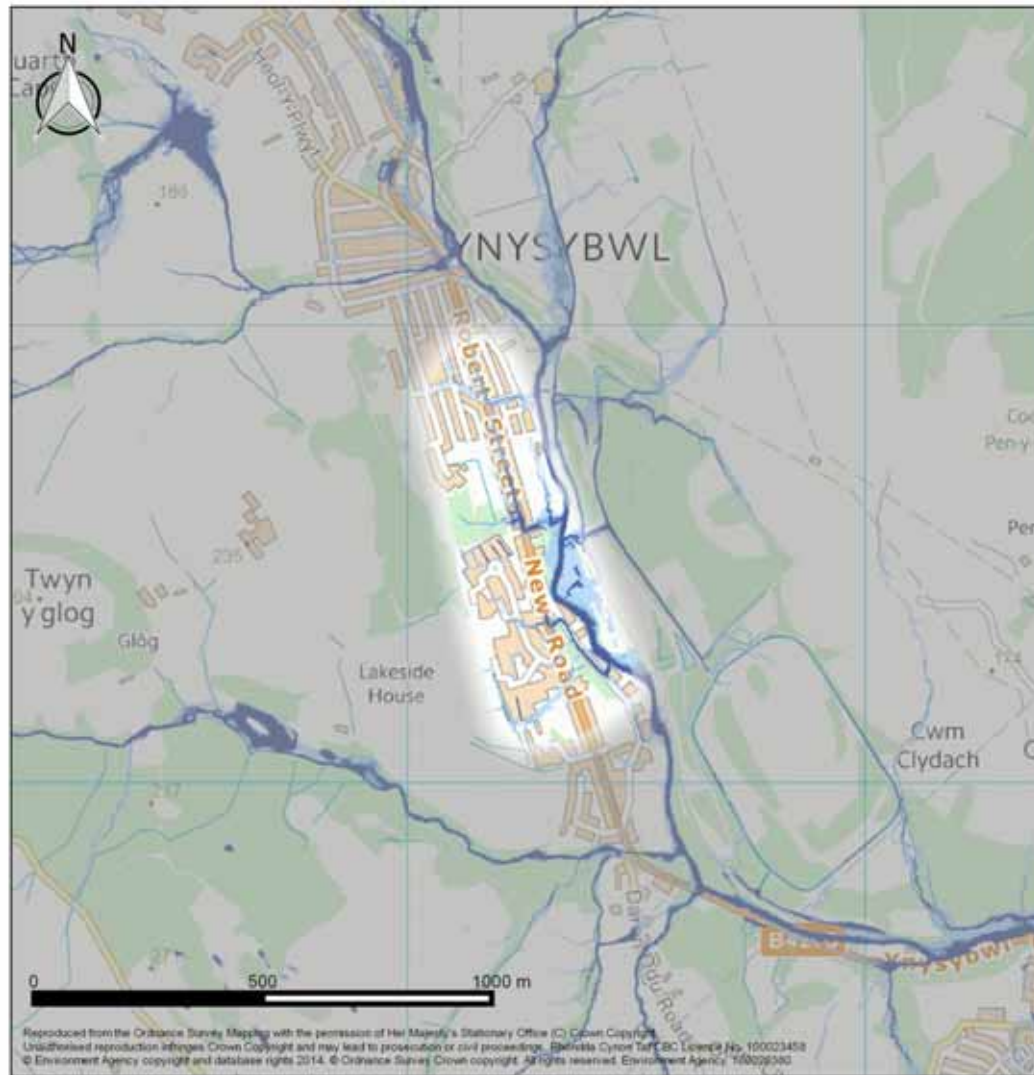
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0119

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1074	16	12	120
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	63	0	0	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	8			
Highway	18			

Flood Risk Management Plan Measures for RCT0119

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0119	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0119



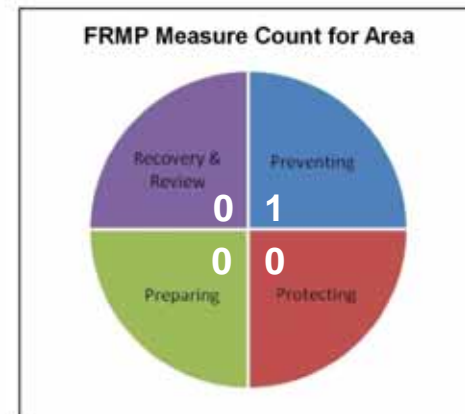
RCT0119

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0120

Flood Investigation Area RCT0120 is situated within the community area of Ynysybwl and the flood risk is considered to be sourced from surface runoff and Main River. A low to high risk is identified along Clydach Terrace and Other Street, along the base of the valley.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between the reported flood incidents and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0120

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1121	54	9	82
Services	3	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	68	1	1	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	1			
Highway	15			

Flood Risk Management Plan Measures for RCT0120

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0120	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

Flood Investigation Area - RCT0121

Flood Investigation Area RCT0121 is situated within the community areas of Ystrad and Pentre and the flood risk is considered to be sourced from culvert inlets within two unnamed watercourse, surface runoff and Main River. A high risk of flooding is noted to be sourced from the ordinary watercourse in the west of the area, posing a risk to the areas surrounding sections of Bronllwyn, Stanley Road, Rees Street and Smith Street. In the lower elevations, it is considered that the flood risk observed is the result of the interaction between main river and surface water flooding.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is generally a good correlation between the flood incidents reported to the authority and the risk posed within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0121

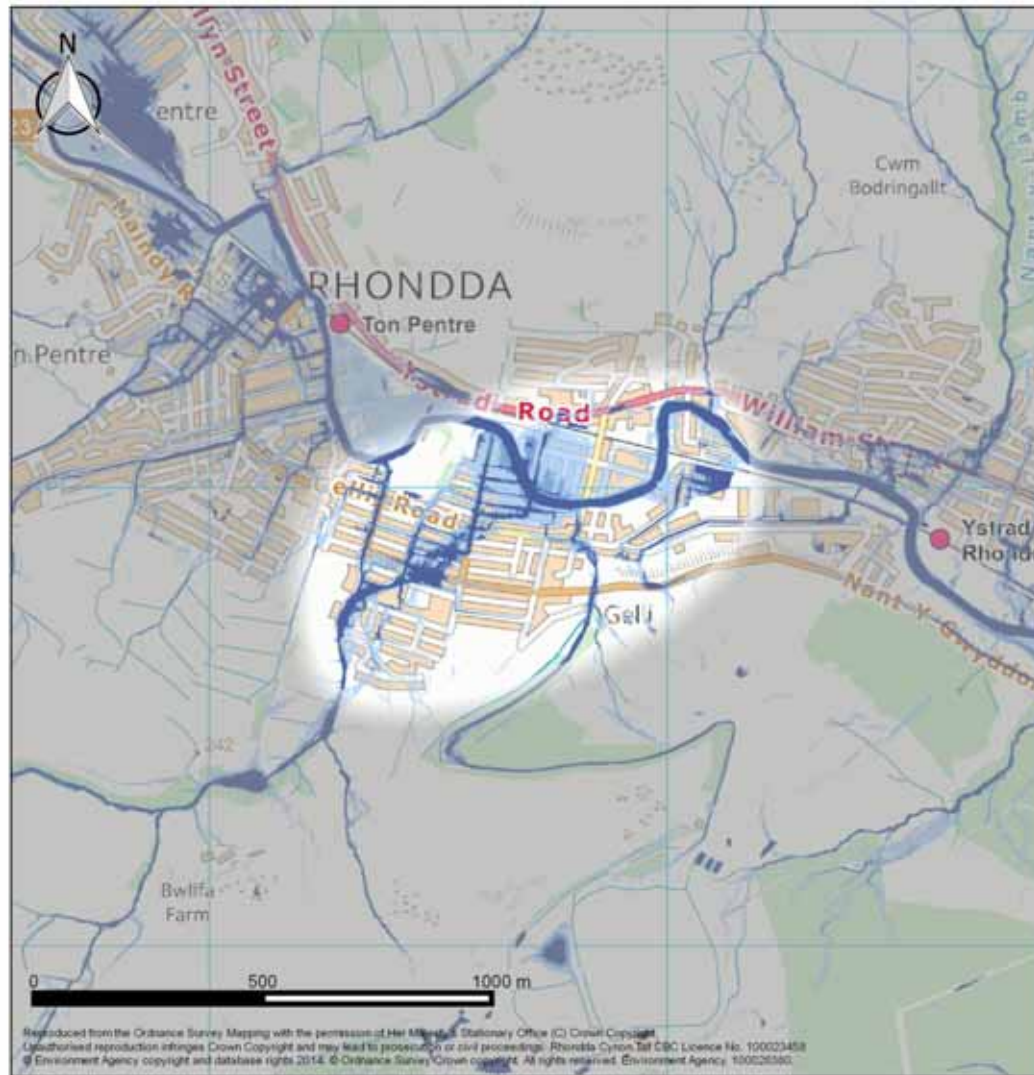
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	2869	310	226	686
Services	3	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	131	6	5	33
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	1	0.02	0.01	0.1
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	13			
Highway	36			

Flood Risk Management Plan Measures for RCT0121

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0121	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0121



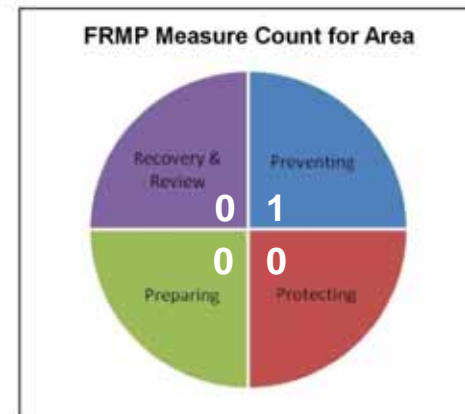
RCT0121

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0122

Flood Investigation Area RCT0122 is situated within the community area of Ystrad and the flood risk is considered to be sourced from a combination of both surface runoff and culvert inlets. A low to high risk is noted in the area surrounding the junction between Trafalgar Road and Gelligaled Road and also sections of Penrhys Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between the reported flood incidents to external property and the risk presented in the uFMfSW. There is a reasonable correlation with the uFMfSW and reported flooding to highways.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

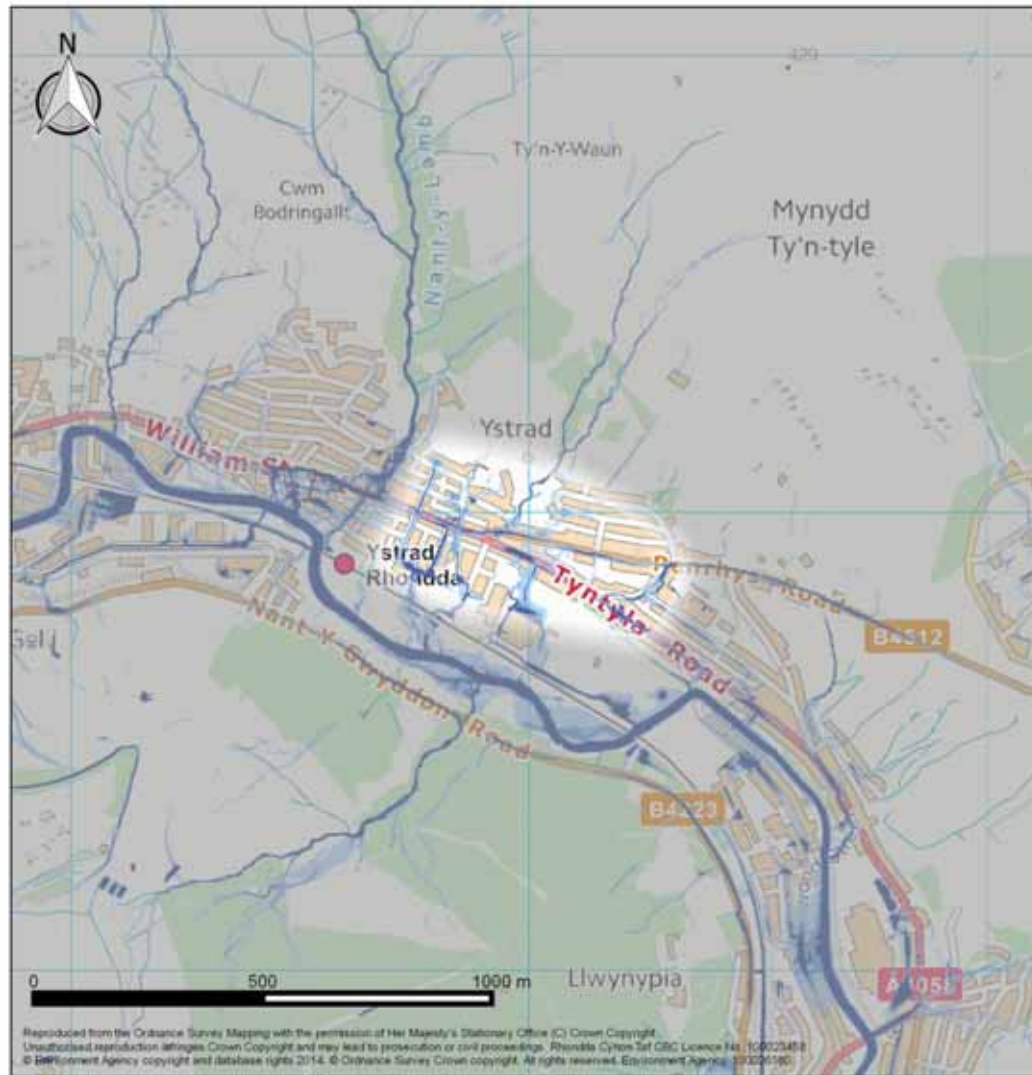
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0122

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1032	38	14	134
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	69	2	4	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	1
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	4			
Highway	5			

Flood Risk Management Plan Measures for RCT0122

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0122	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0122



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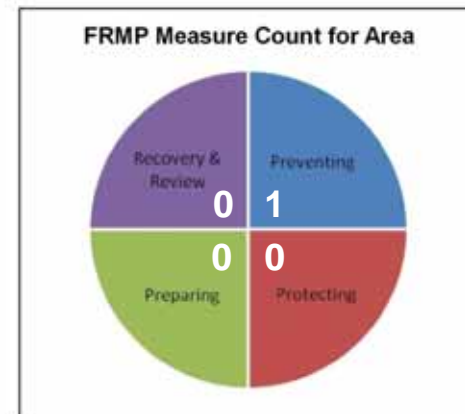
RCT0122

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0123

Flood Investigation Area RCT0123 is situated within the community area of Ystrad and the flood risk is anticipated to be attributed to culvert inlets within the Nant y Lamb in the east and an unnamed ordinary watercourse in the west and the interaction with main river flooding in the lower elevations of the valley floor. is considered to be sourced from Surface Runoff and Main River. A low to high risk is identified in the area of Williams Street, to the north of the confluence between the Nant y lamb and the Afon Rhondda.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between reported flood incidents to the highway and the risk presented within the uFMfSW. The one instance of external flooding reported to the authority has a poor correlation with the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0123

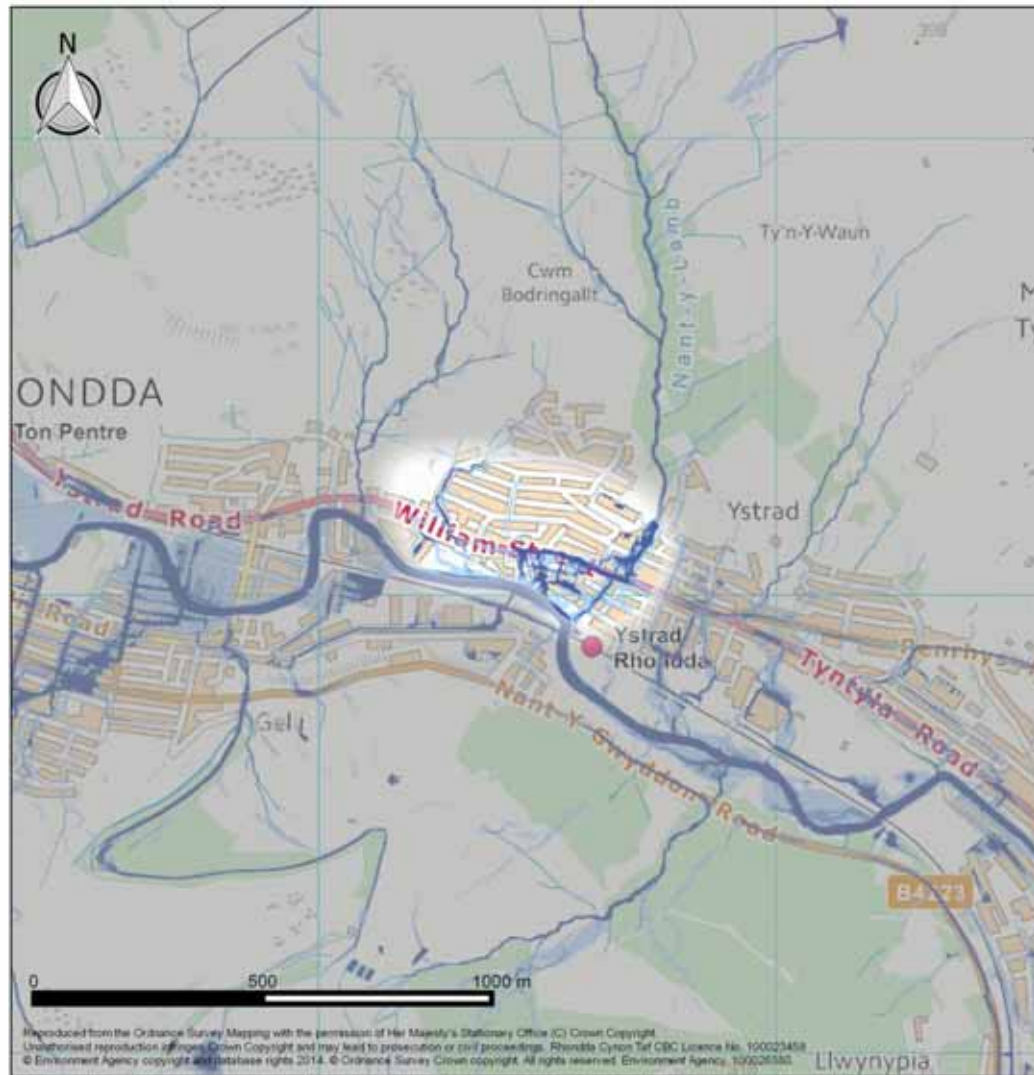
Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1072	87	136	165
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	54	8	4	5
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	0			
Highway	6			

Flood Risk Management Plan Measures for RCT0123

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0123	Local / Main River*	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC / Natural Resources Wales

*Natural Resources Wales are responsible for flooding from Main River. Further consideration of the interaction of Surface Water Flooding and Main River Flooding sources is required to understand the flood extents and sources.

uFMfSW for RCT0123



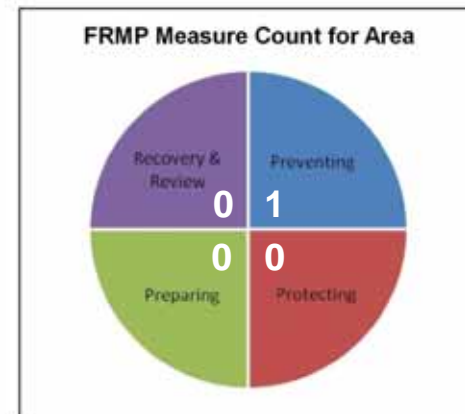
RCT0123

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0124

Flood Investigation Area RCT0124 is situated within the community area of Taffs Well. The flood risk is anticipated to be sourced from surface runoff. A flood risk is posed to the A470, notably at the Nantgarw roundabout, and in the surrounding area of Cardiff Road.

It is anticipated that the flood risk to the A470 is exacerbated by the culvert inlets of the Nant Garw, where it passes under the road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between property flooding reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

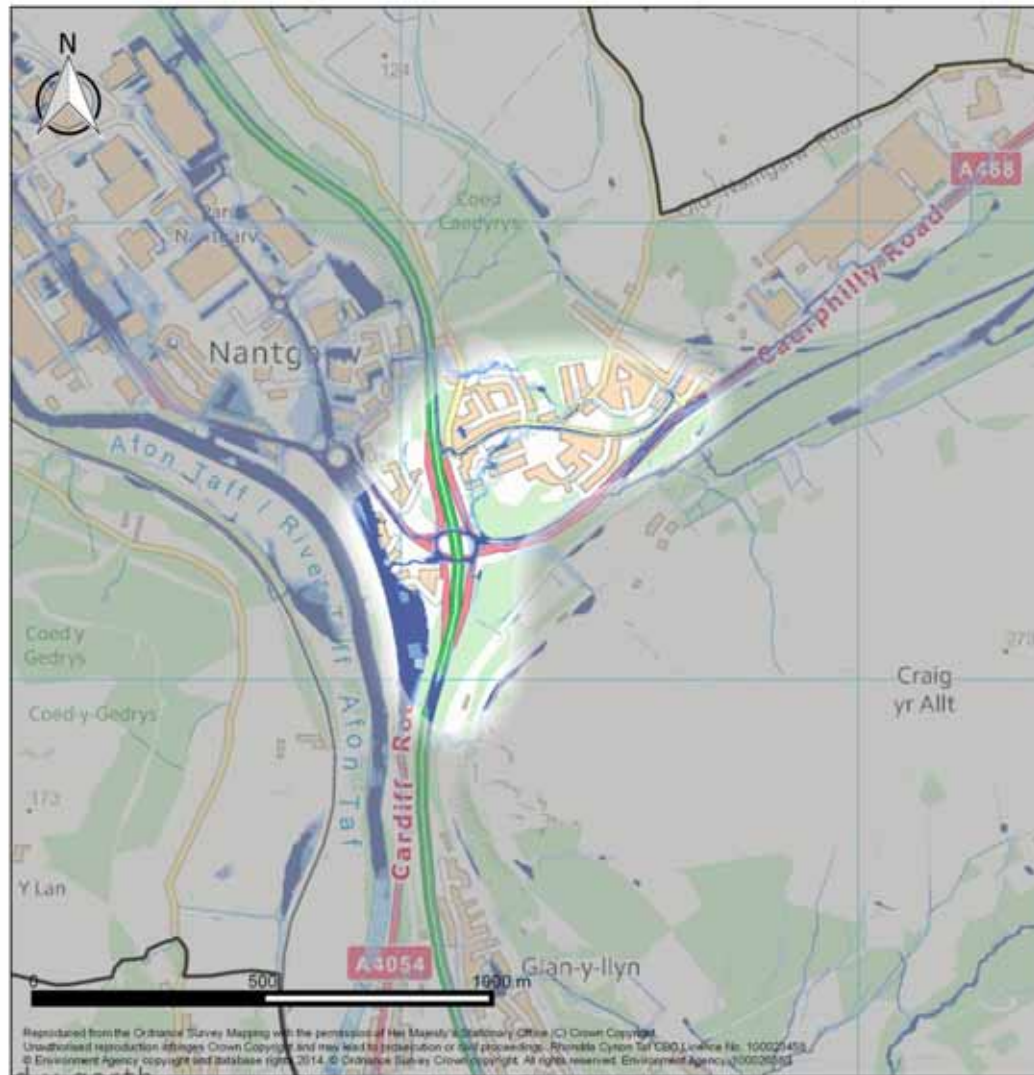
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0124

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	552	16	5	52
Services	2	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	34	12	2	0
Airports	0	0	0	0
Roads (km)	8	0.2	0.07	0.2
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0.2	0	0	0
Listed Buildings	2	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	3			
External	5			
Highway	6			

Flood Risk Management Plan Measures for RCT0124

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0124	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0124



RCT0124

Legend

- RCTBoundary
 - Flood Investigation Area
- Flooding Risk**
- High
 - Medium
 - Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0125

Flood Investigation Area RCT0125 is situated within the community area of Treforest and the flood risk is considered to be sourced from the culvert inlets of two unnamed ordinary watercourse. The uFMfSW are noted to pose a low to high flood risk through Glyntaff crematorium.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no historic flood incidents with the Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

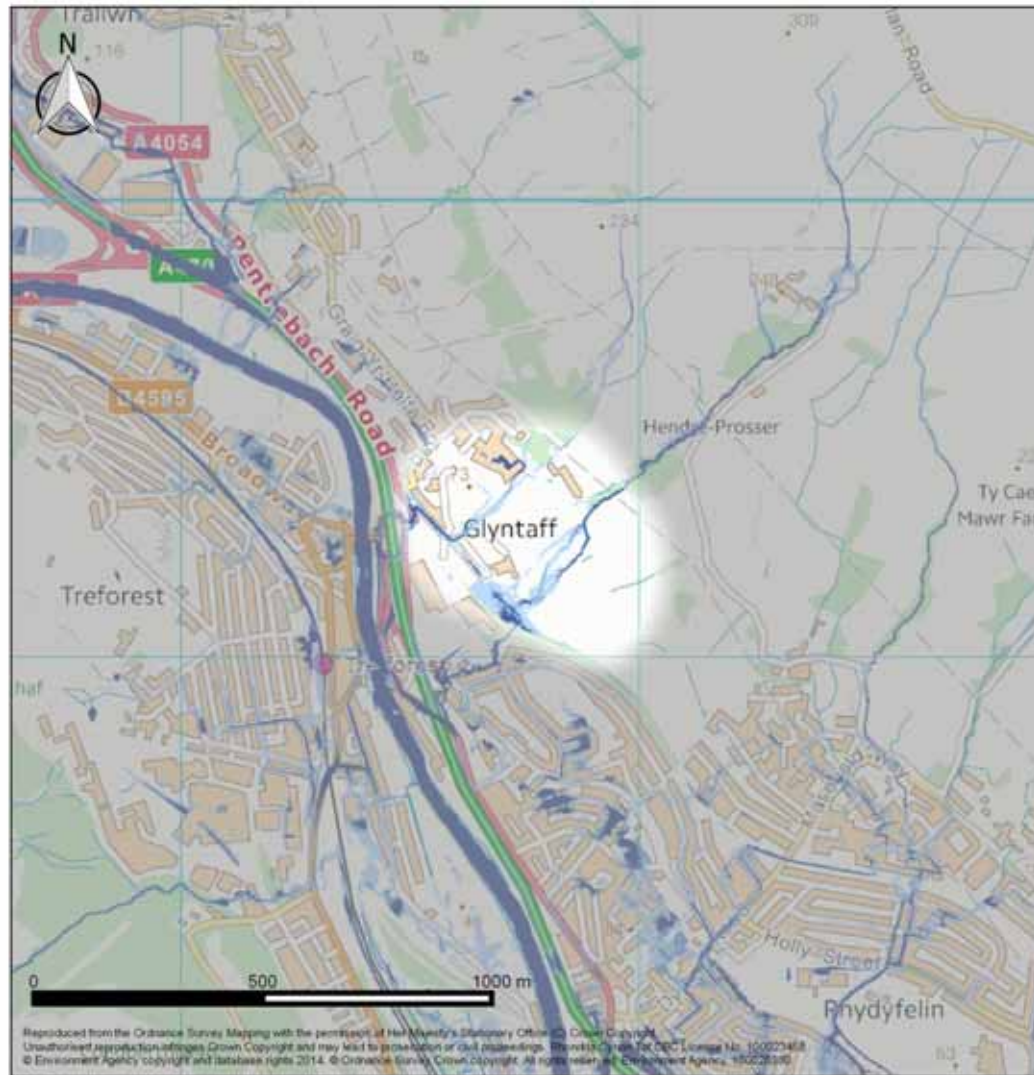
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0125

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	73	0	0	16
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	32	1	1	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0125

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0125	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0125



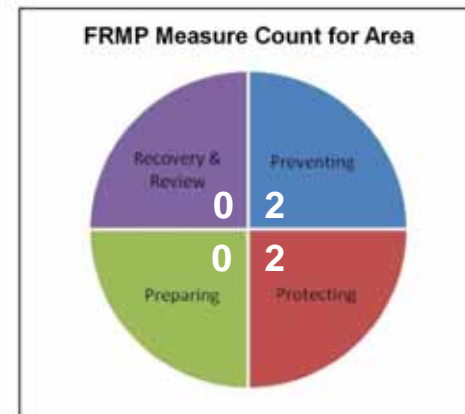
RCT0125

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0126

Flood Investigation Area RCT0126 is situated within the community area of Aberdare West/Llwycoed and the flood risk is considered to be sourced from an ordinary watercourse. A low to high risk is identified along the lower section of Bwlfa Road, across residential development.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between historic flooding incidents reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

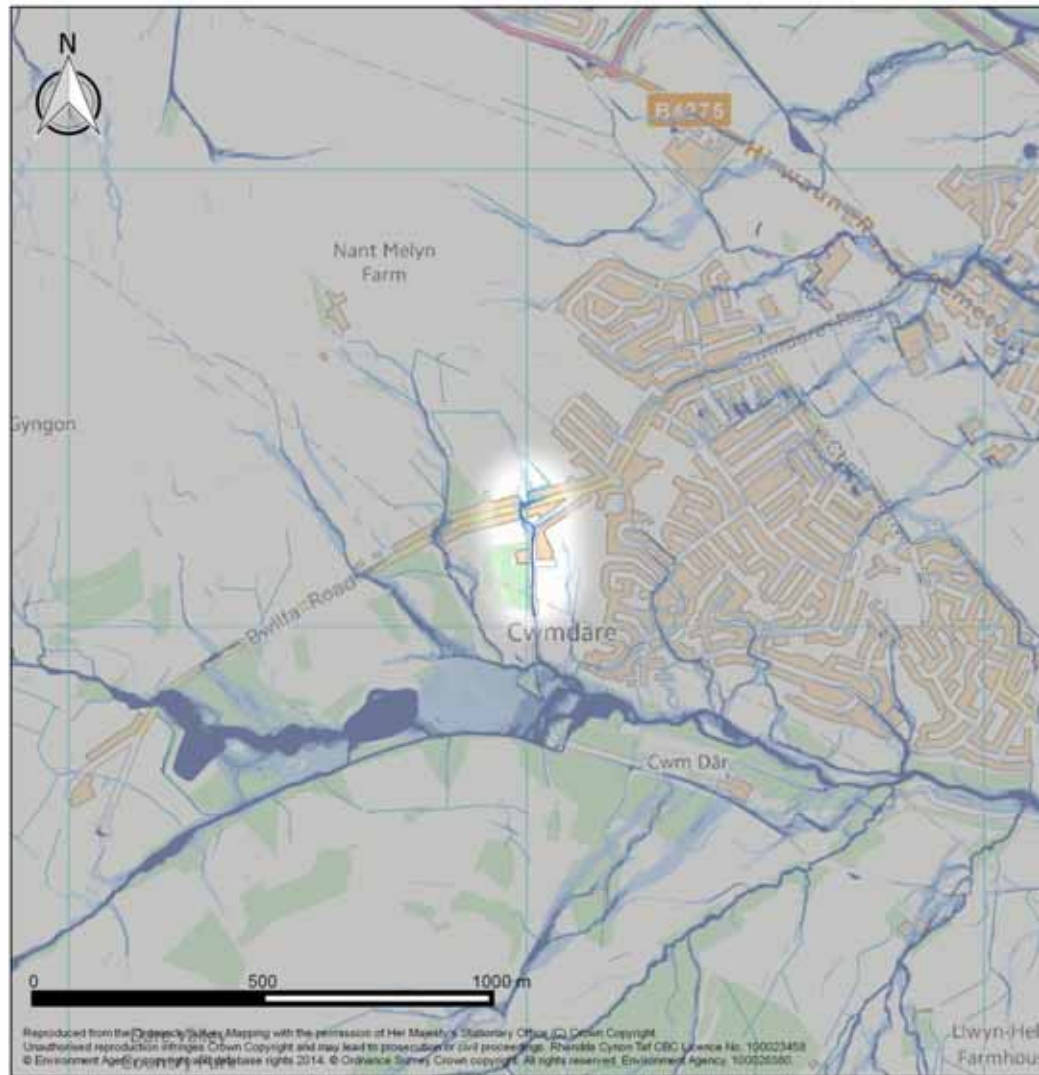
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0126

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	143	0	5	28
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	10	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	1			
Highway	1			

Flood Risk Management Plan Measures for RCT0126

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0126	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Ongoing	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Ongoing	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Ongoing	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Ongoing	RCTCBC

uFMfSW for RCT0126



RCT0126

Legend

- RCTBoundary
- Flood Investigation Area
- Flooding Risk**
- High
- Medium
- Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0127

Flood Investigation Area RCT0127 is situated within the community area of Aberdare West/Llwydcoed and the flood risk is considered to be sourced from ordinary watercourse. A low to high risk is identified along the central section of Bwlfa Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported flood incidents within the Flood Investigation Area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

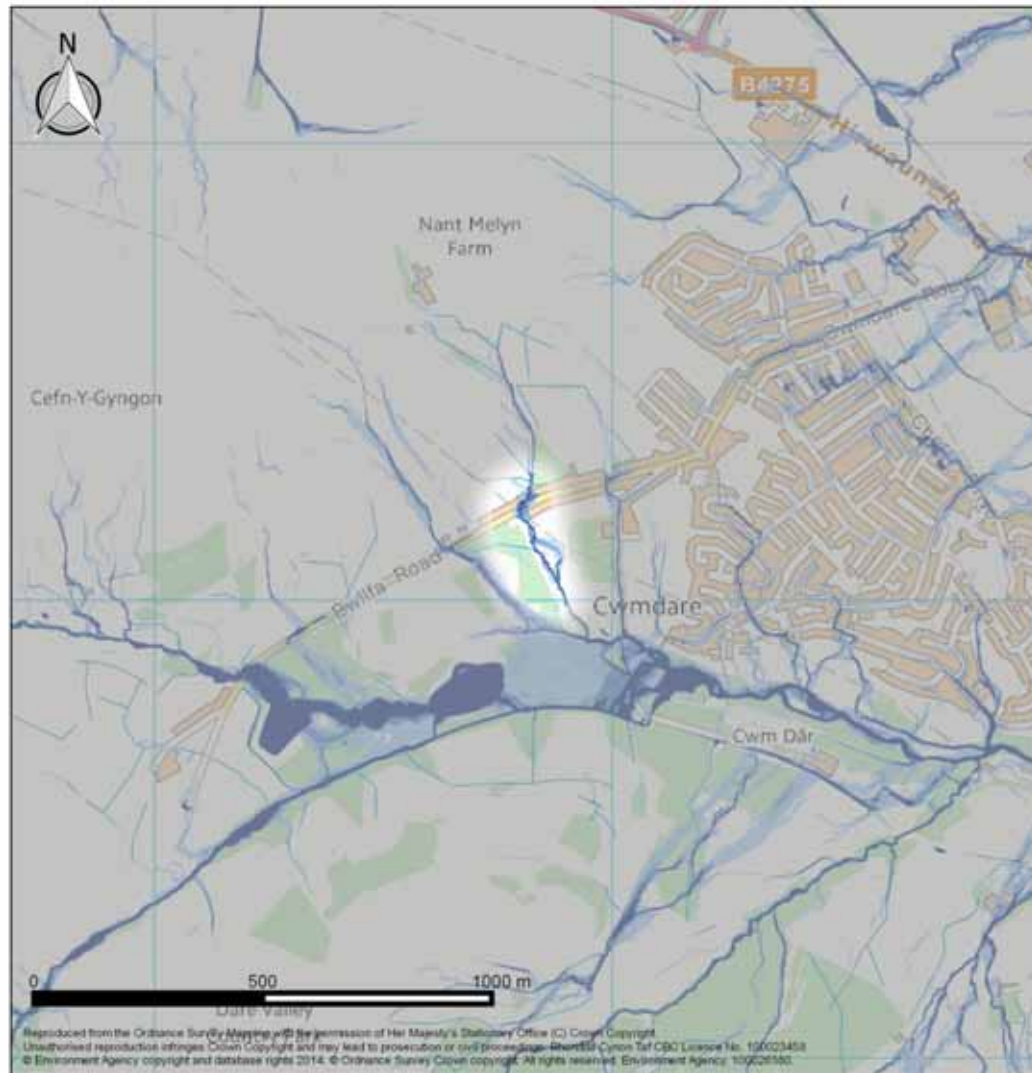
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0127

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	75	5	14	2
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	2	1	0	0
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0127

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0127	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Ongoing	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Ongoing	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Ongoing	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Ongoing	RCTCBC

uFMfSW for RCT0127



RCT0127

Legend

-  RCTBoundary
-  Flood Investigation Area
- Flooding Risk**
-  High
-  Medium
-  Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0128

Flood Investigation Area RCT0128 is situated within the community area of Cwmbach and is considered to be sourced from a surface water flooding and a culvert inlet on an unnamed watercourse. A low to high risk is identified to the east of Parkfield Road. A high risk of flooding is also at the junction between Cwmbach Road and Canal Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flood incidents reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

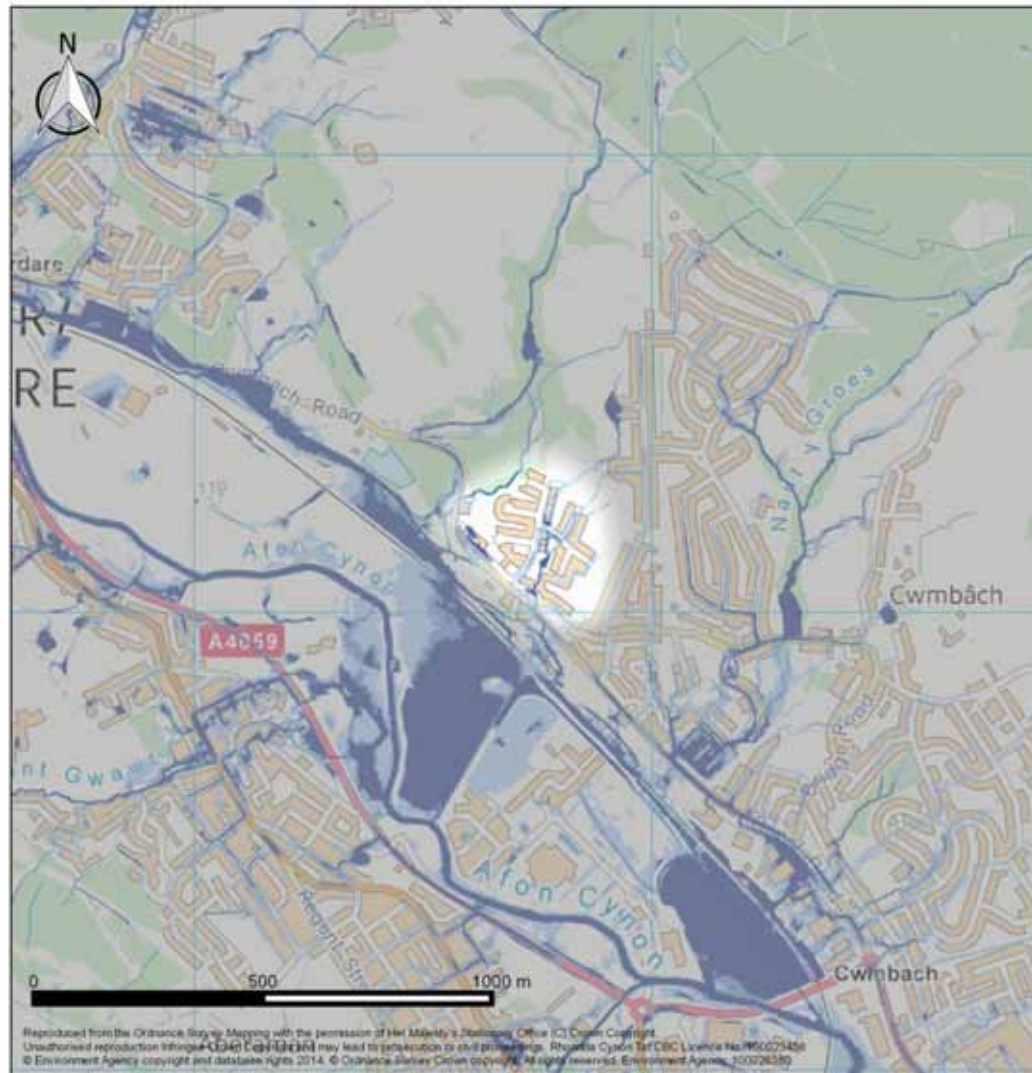
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0128

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	221	19	5	40
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	7	0	0	1
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0		0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	2			

Flood Risk Management Plan Measures for RCT0128

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0128	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0128



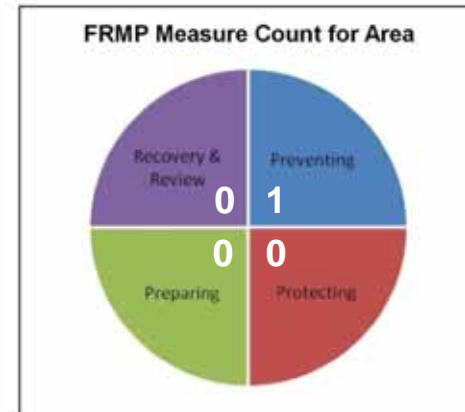
RCT0128

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0129

Flood Investigation Area RCT0129 is situated within the community area of Abercynon. The flood risk presented in the uFMfSW is considered to be sourced from surface runoff. A low to high risk is identified across the Ynysboeth Estate and the area surrounding Maes Y Ffynnon.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a poor correlation between the reported flood incidents to external properties and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

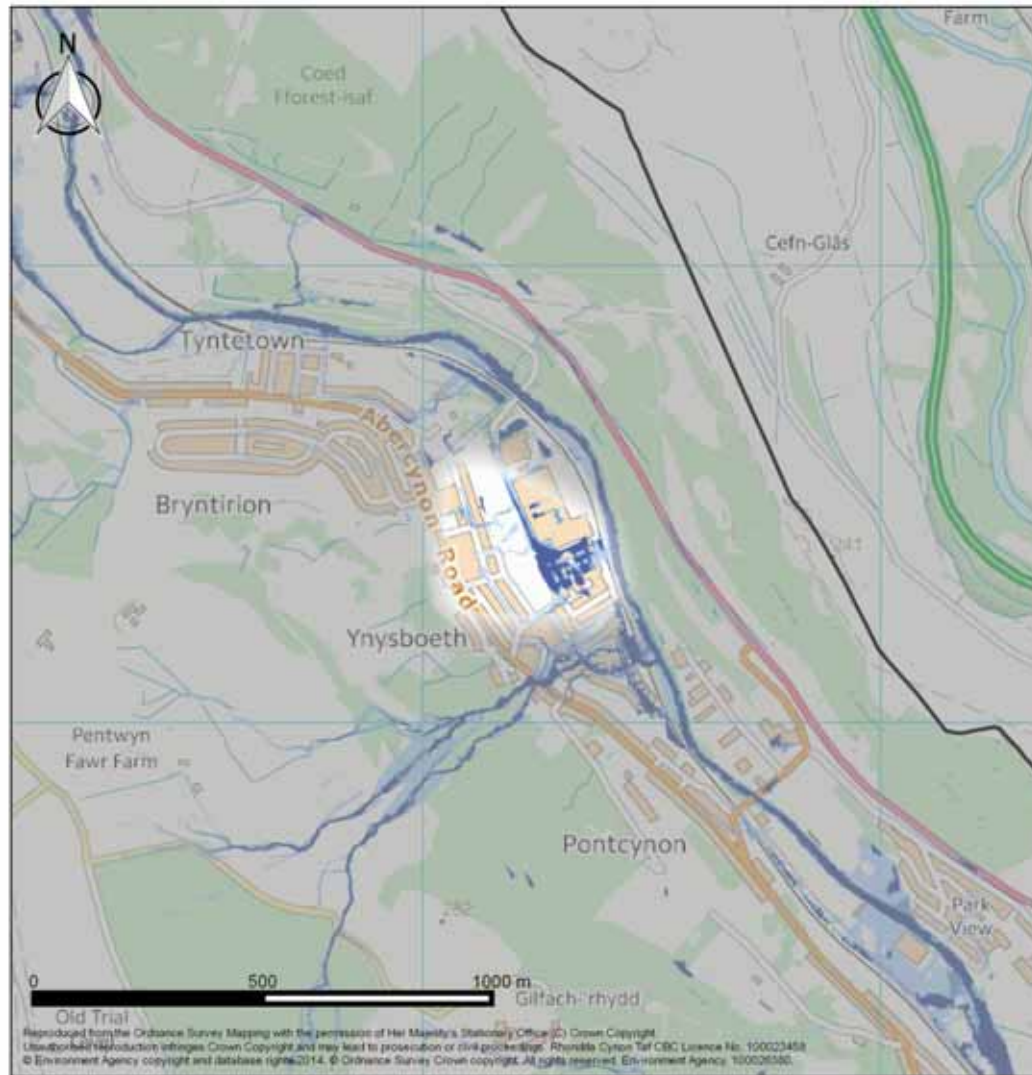
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0129

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	479	49	12	47
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	24	6	2	2
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0.1	0	0.001	0.05
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	1	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	2			
Highway	0			

Flood Risk Management Plan Measures for RCT0129

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0129	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0129



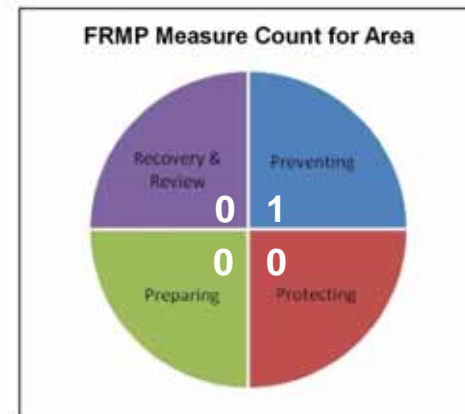
RCT0129

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0130

Flood Investigation Area RCT0130 is situated within the community area of Cilfynydd. The flood risk observed is likely attributed to the bank breach of the Nant Cae Dudwg and the culvert inlet located adjacent to Cilfynydd. A high flood risk is posed to properties adjacent to Cilfynydd Road and the A470.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

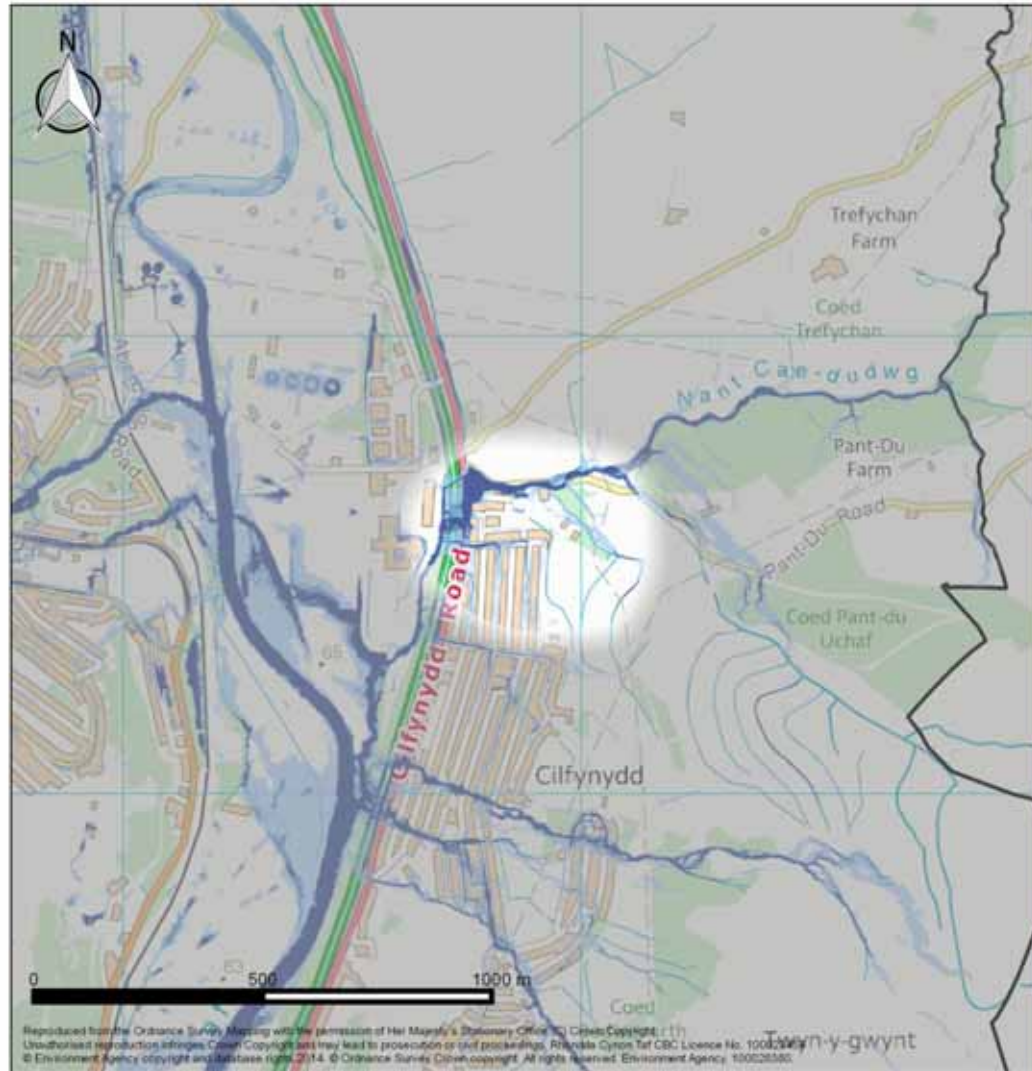
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0130

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	501	21	21	63
Services	1	1	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	26	3	0	3
Airports	0	0	0	0
Roads (km)	1	0.06	0.07	0.2
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	1	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	3			
Highway	2			

Flood Risk Management Plan Measures for RCT0130

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0130	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Completed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Completed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Completed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Completed	RCTCBC

uFMfSW for RCT0130



RCT0130

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low

FRMP Measure Count for Area



Flood Investigation Site

Flood Investigation Area - RCT0131

Flood Investigation Area RCT0131 is situated within the community area of Trallwng and the flood risk observed is considered to be sourced from surface runoff. A low to high risk of flooding is posed to properties adjacent to East Street, North Street, Middle Street and West Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a reasonable correlation between flood incidents reported to the authority and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

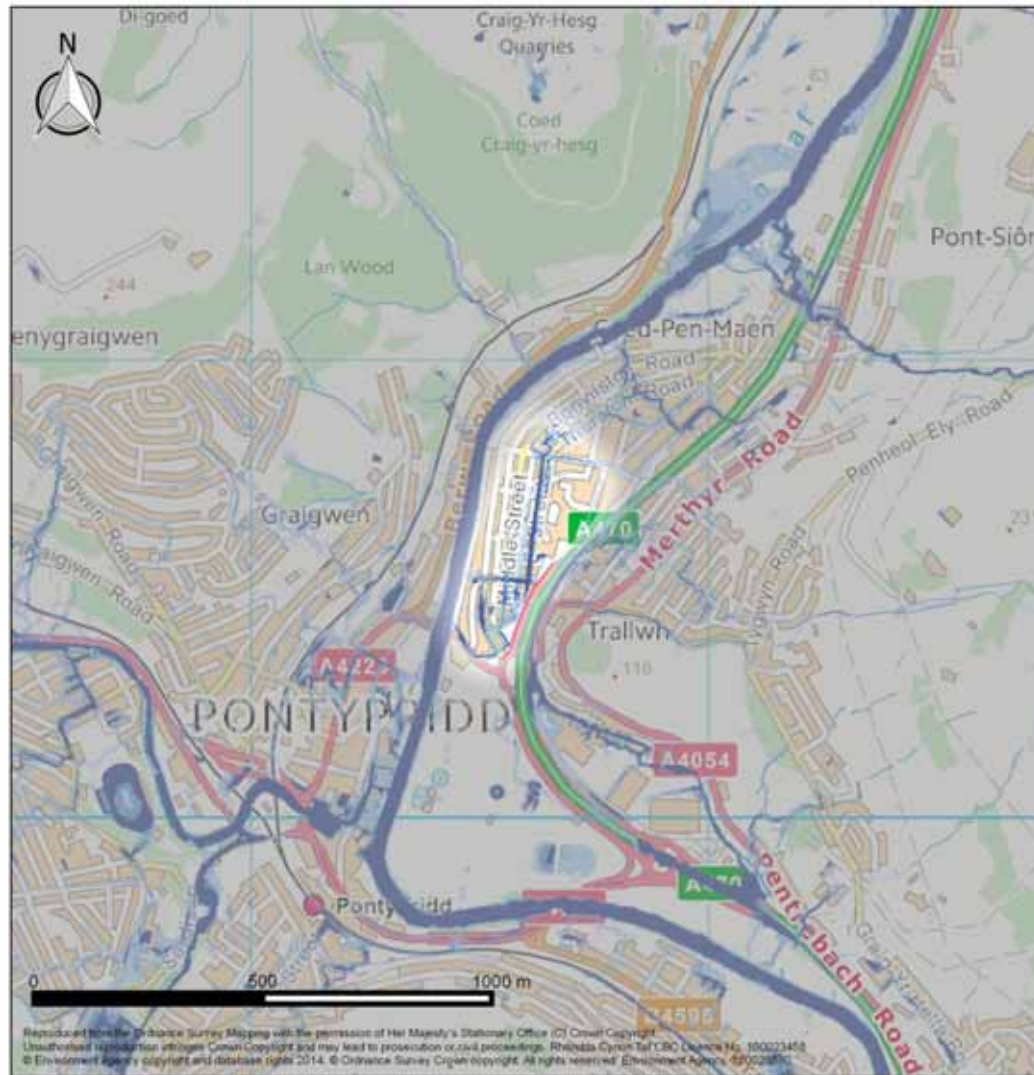
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0131

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1128	59	68	183
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	55	2	2	8
Airports	0	0	0	0
Roads (km)	0.09	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	4			
External	4			
Highway	3			

Flood Risk Management Plan Measures for RCT0131

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0131	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0131



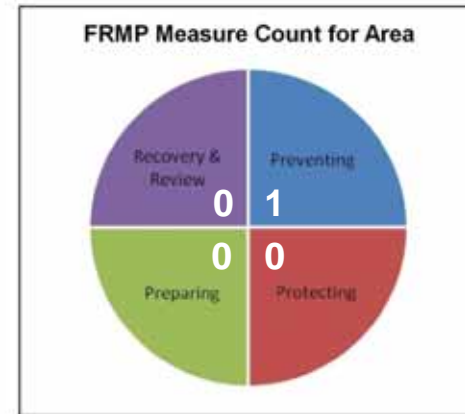
RCT0131

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0132

Flood Investigation Area RCT0132 is situated within the community areas of Treforest, Rhydfelin and Hawthorn and the flood risk is considered to be sourced from surface runoff and an ordinary watercourse in the northwest of the site. A low to high risk is identified across much of the site, extending into Hawthorn and Treforest, along sections of Gwaun Road, Ebenezer Street and Llan Avenue.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a generally good correlation between reported flood incidents and the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

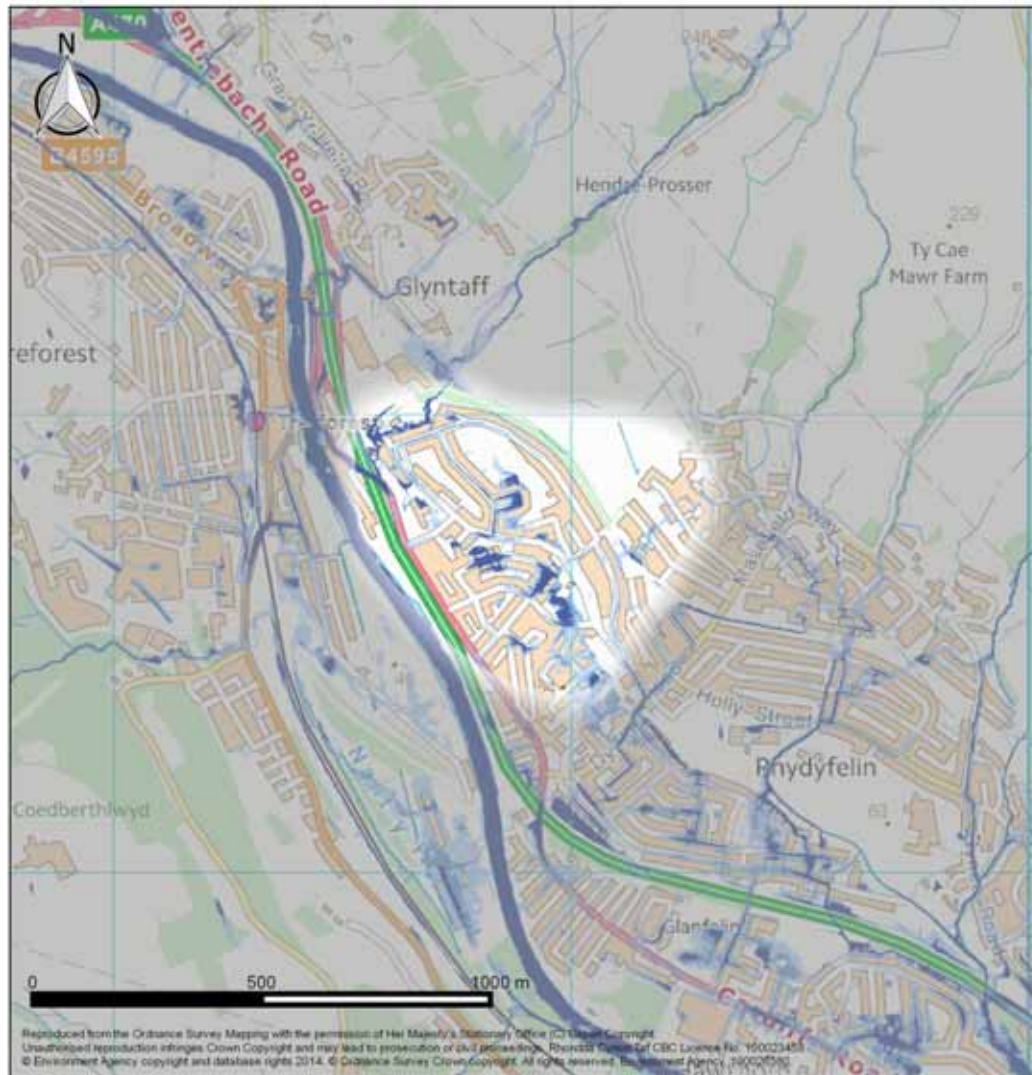
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0132

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	1734	71	24	186
Services	1	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	57	0	1	8
Airports	0	0	0	0
Roads (km)	1	0.04	0.03	0.05
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	2			
External	5			
Highway	4			

Flood Risk Management Plan Measures for RCT0132

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0132	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0132



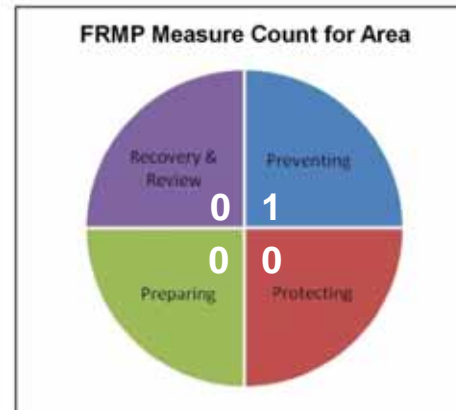
RCT0132

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0133

Flood Investigation Area RCT0133 is situated within the community area of Treorchy. The flood risk presented within the uFMfSW is considered to be sourced from surface runoff. A low to high risk is noted adjacent to the highway network at locations such as Dumfries Street and Cemetery Road.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported flood incidents with the area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

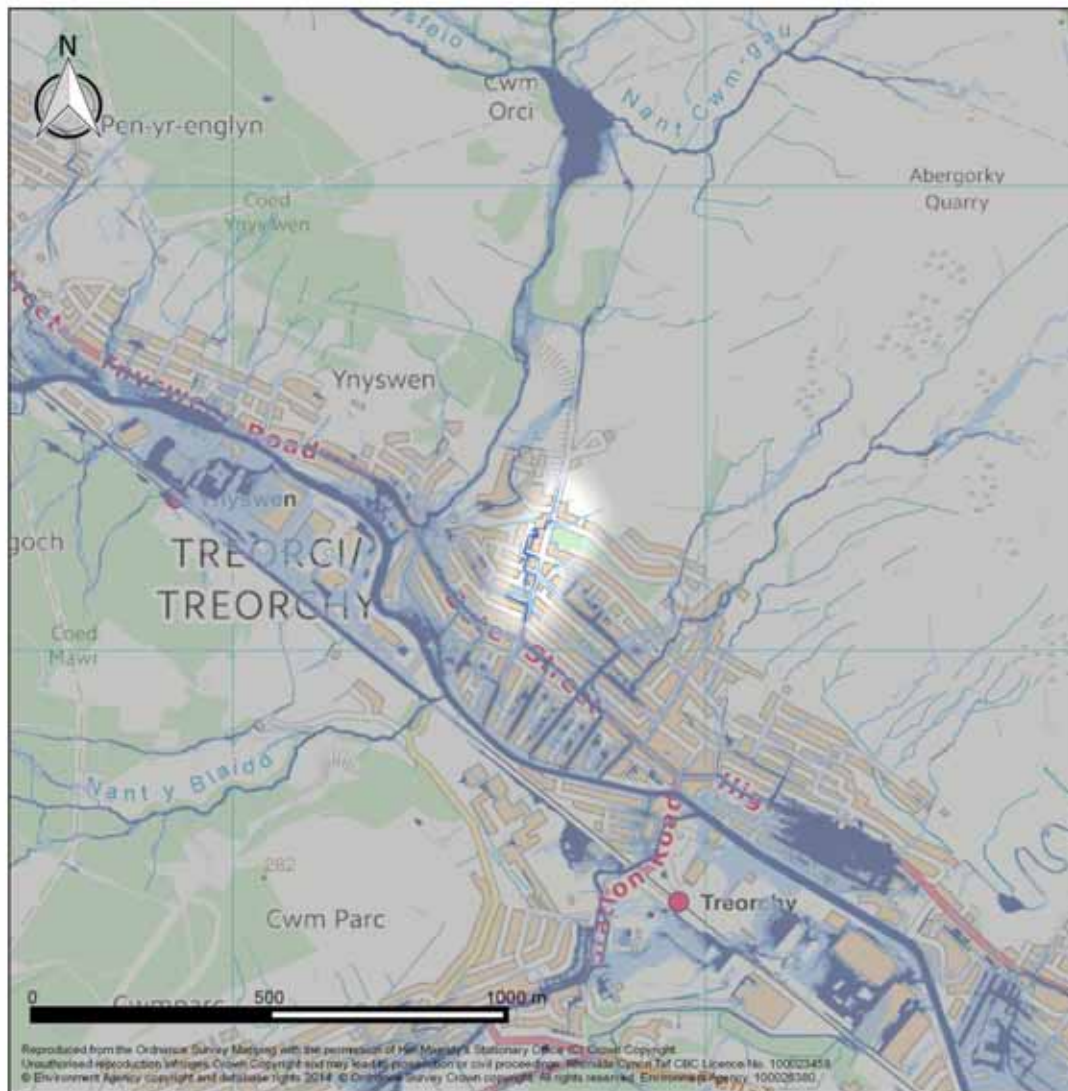
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0133

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	223	12	14	59
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	21	4	2	4
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0133

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0133	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC
		38	Flow Monitoring	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0133



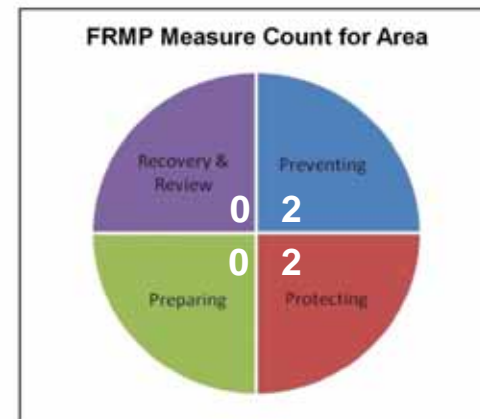
RCT0133

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0134

Flood Investigation Area RCT0134 is situated within the community area of Treorchy. The flood risk presented within the uFMfSW is considered to be sourced from surface runoff. A low to high risk is noted adjacent to the highway network at locations such as Trevor Street and Stuart Street.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There are no reported flood incidents with the area.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

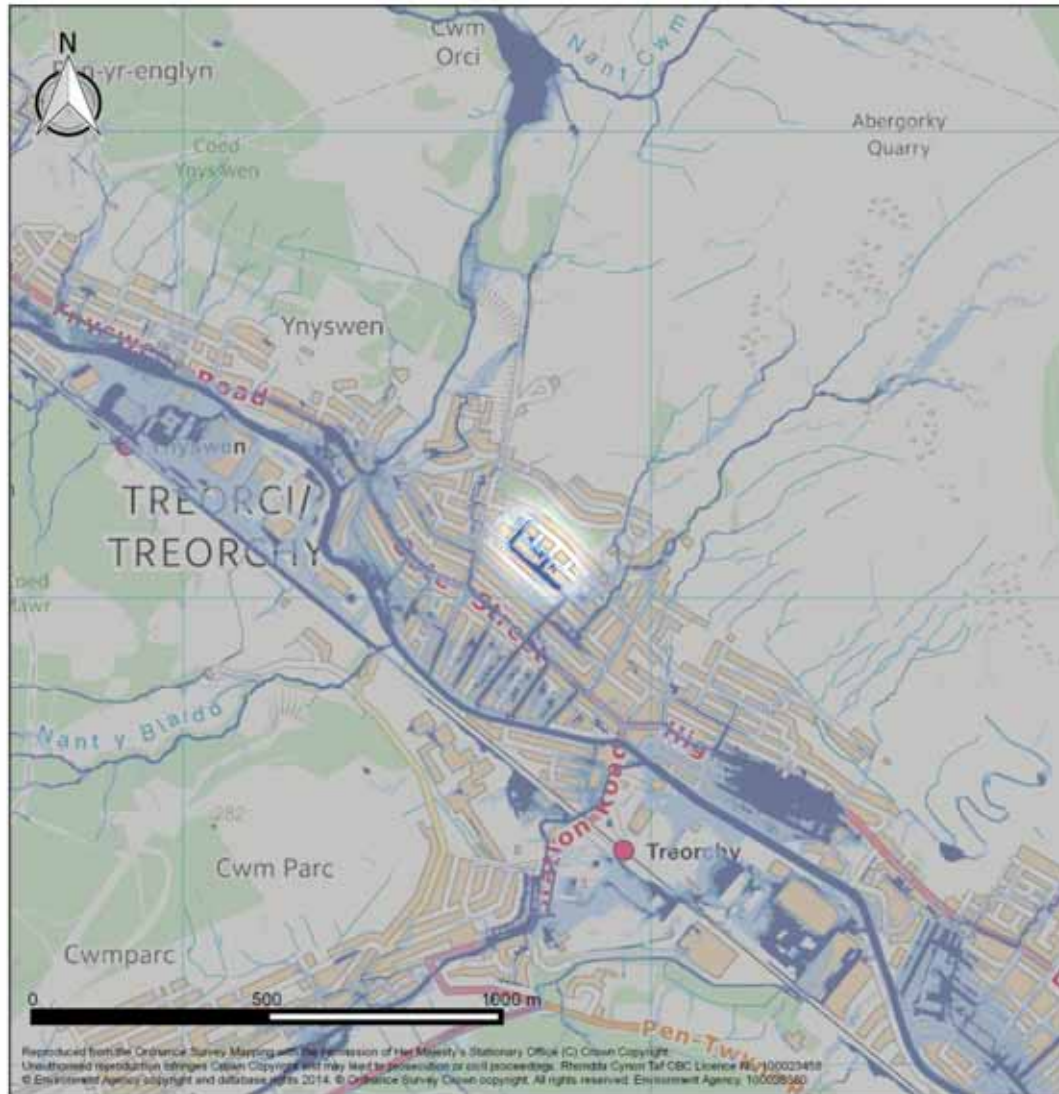
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0134

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	202	14	9	73
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	4	0	0	3
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	0			

Flood Risk Management Plan Measures for RCT0134

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0134	Local	24	Construction of Flood Defences	M33 (Protection)	2016-2021	Proposed	RCTCBC
		28	Pre-Feasibility Studies/Project Appraisal	M35 (Protection)	2016-2021	Proposed	RCTCBC
		30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0134



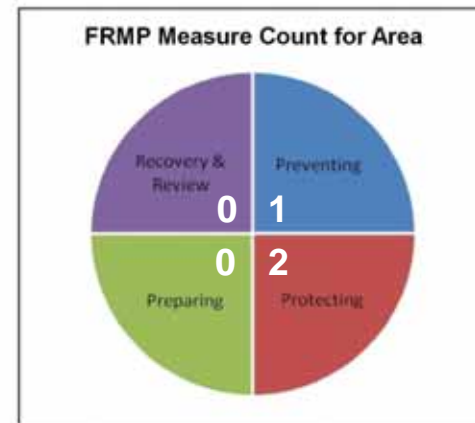
RCT0134

Legend

- RCT Boundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0135

Flood Investigation Area RCT0135 is situated within the community area of Ynnsybwl. The flood risk presented within the uFMfSW is considered to be sourced from a culvert inlet within an unnamed watercourse. The flow path from the culvert inlet presents a flood risk to the areas surrounding Pen-y-Mynydd, Bryn Amur and Ffordd Y Bedol.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The one reported incidents of highway flooding is not consistent with the flood risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

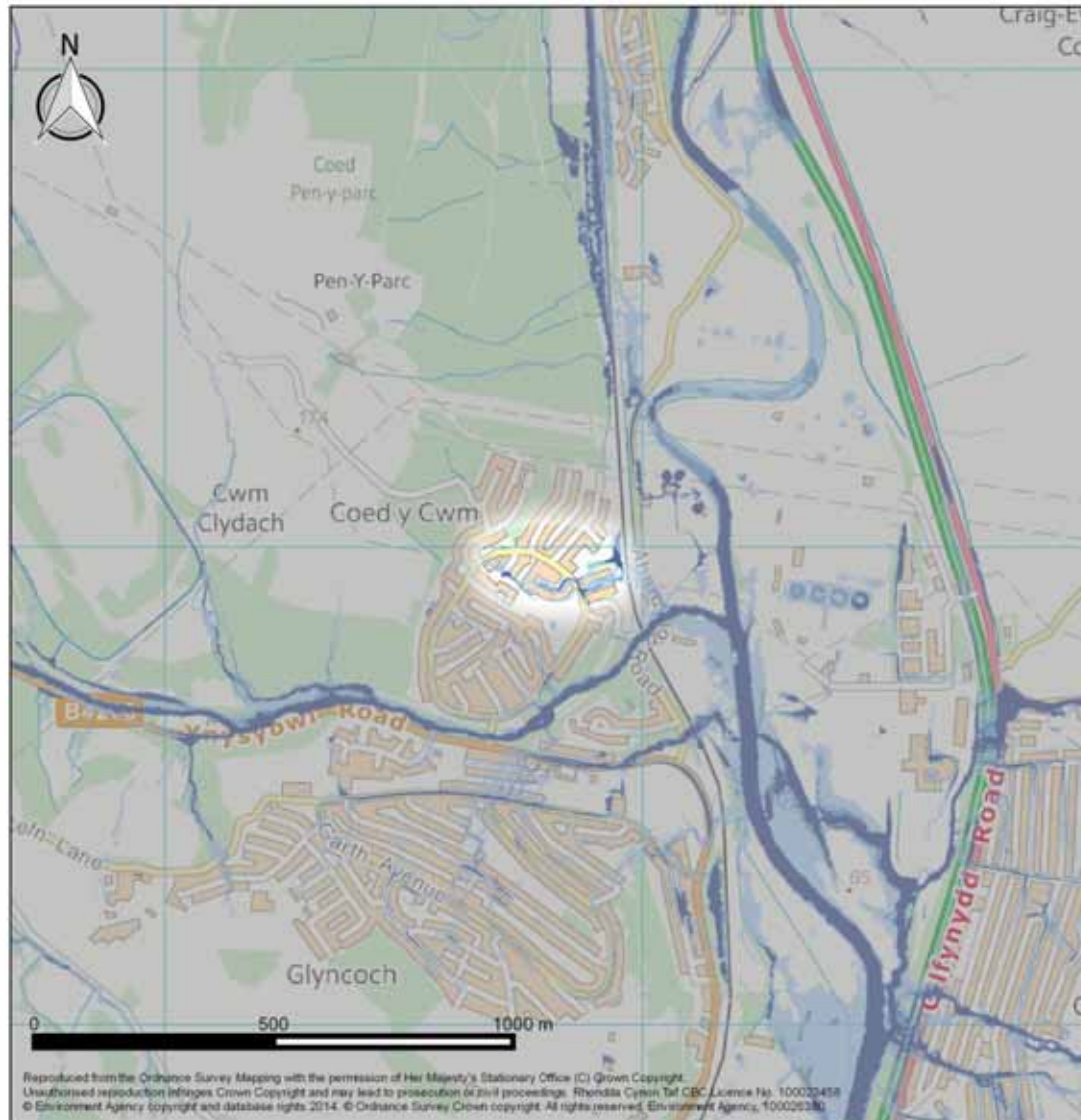
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0135

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	270	0	5	40
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	1	0	0	0
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	1			

Flood Risk Management Plan Measures for RCT0135

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0135	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0135



RCT0135

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0136

Flood Investigation Area RCT0136 is situated within the community area of Cwm Clydach. The flood risk presented within the uFMfSW is considered to be sourced from ordinary watercourse posing a low to high flood risk through Cambrian Industrial Park.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

The one reported incident of internal property flooding shows a good correlation with the risk presented within the uFMfSW.

Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

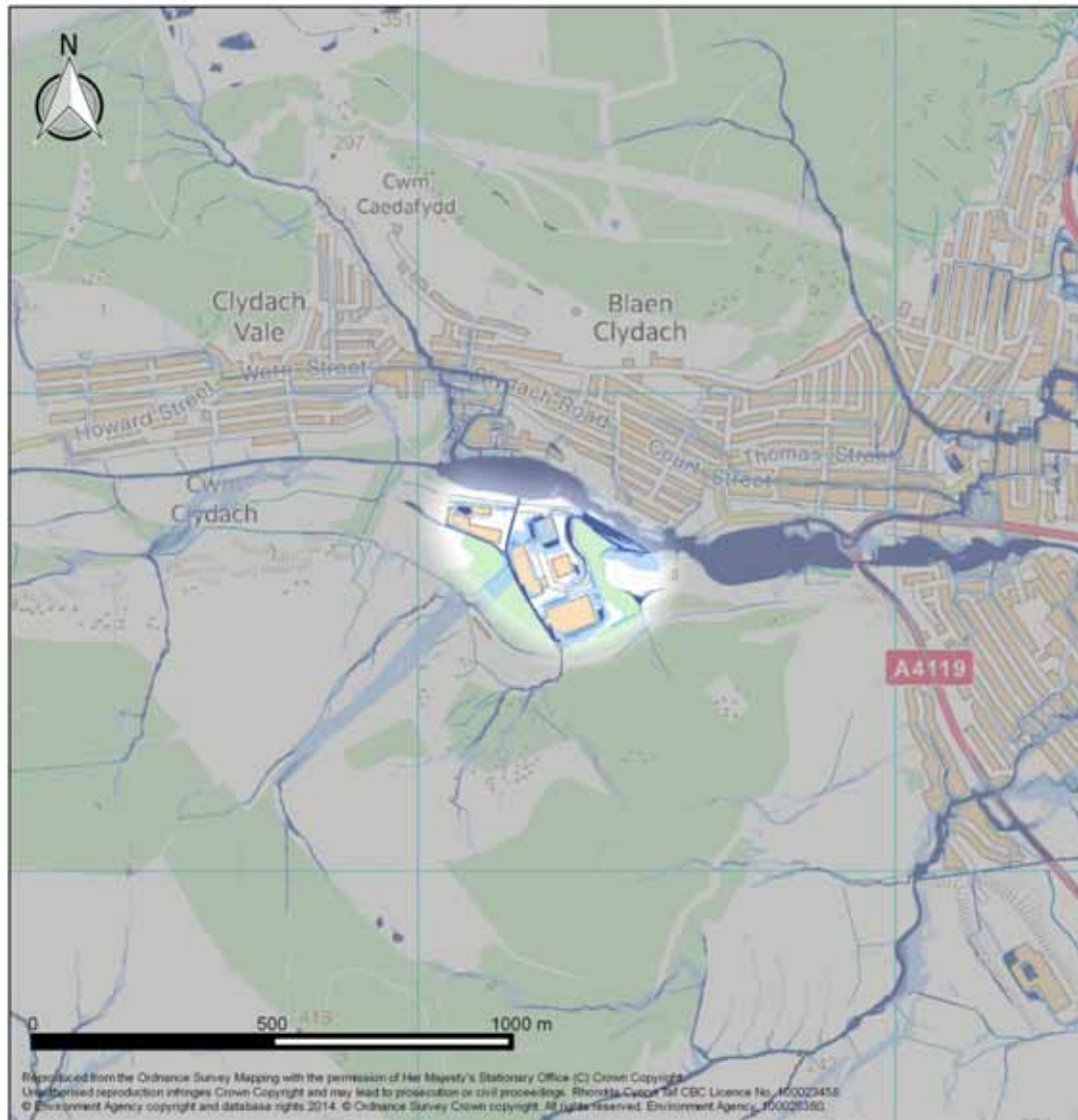
Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0136

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	0	0	0	0
Services	0	0	0	0
ECONOMIC ACTIVITY				
Non Residential Properties	29	1	4	7
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	1	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	1			
External	0			
Highway	1			

Flood Risk Management Plan Measures for RCT0136

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0136	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0135



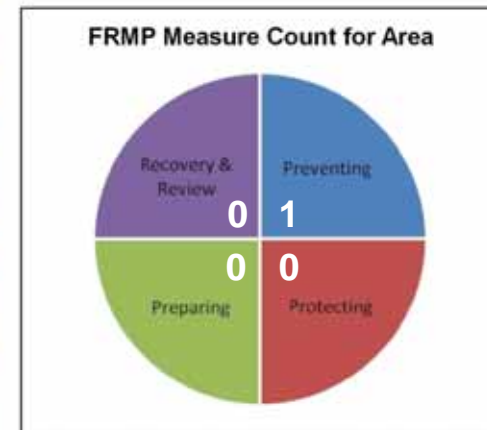
RCT0136

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

Flood Investigation Area - RCT0137

Flood Investigation Area RCT0137 is situated within the community areas of Llanharan and Llanharry. The flood risk presented within the uFMfSW is considered to be sourced from ordinary watercourse posing a low to high flood risk through Hepworth Business Park.

Culverts are not represented within the modelling process and it is considered that the risk posed from ordinary watercourses is overstated.

There is a good correlation between reported flood incidents to the highway and the risk presented within the uFMfSW.

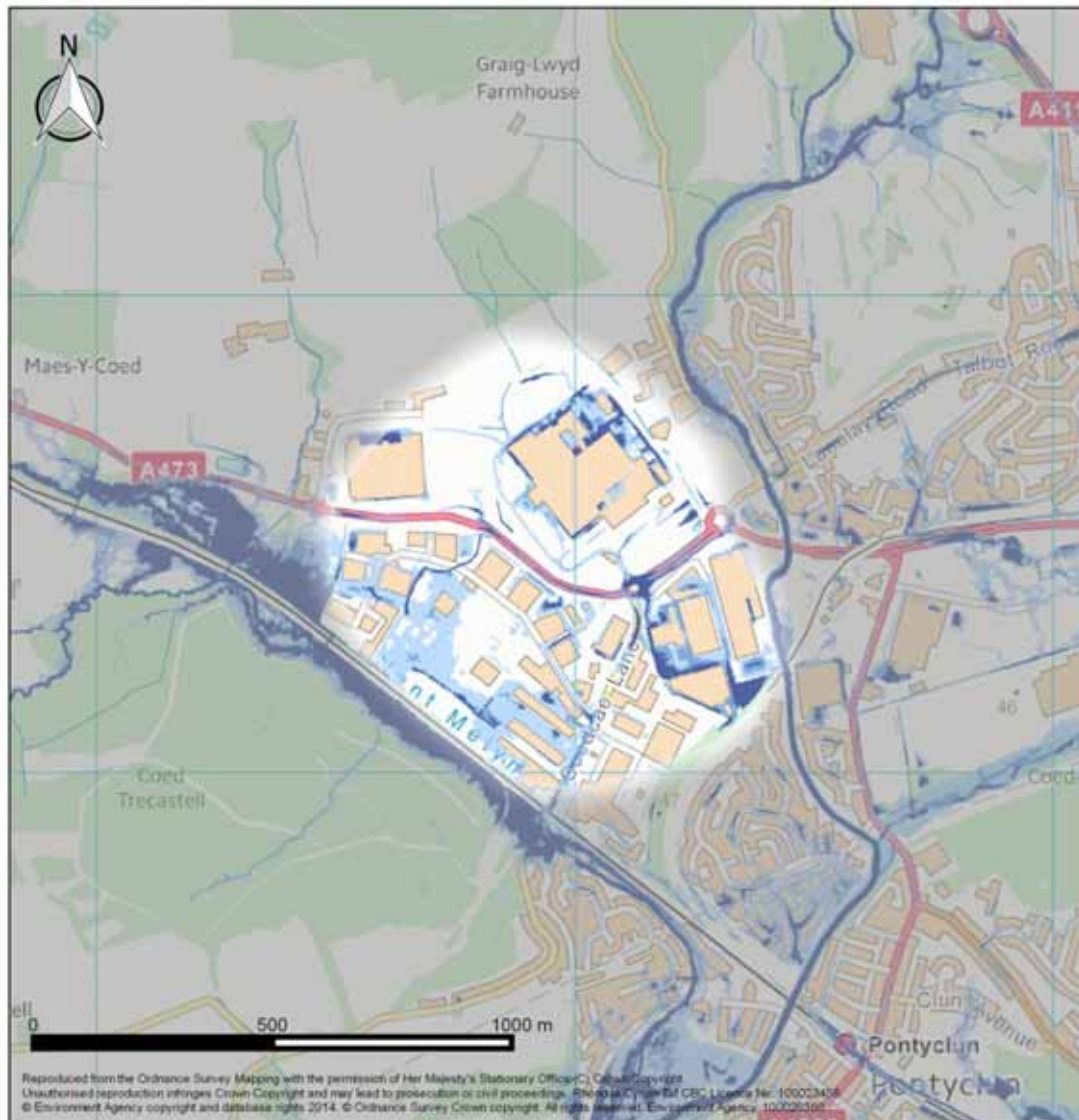
Within areas adjacent to the Main River, it is considered that people may be at risk from both surface water flooding and Main River flooding, which may result in double counting. It is difficult to distinguish between flooding sourced from surface water and flooding sourced from Main River.

Summary flood risk from surface water to people, economic activity and the natural and historic environment within RCT0136

Risk to People and Property	Total in defined area	Risk Counts		
		defined area at high risk	defined area at medium risk	defined area at low risk
RISK TO PEOPLE AND PROPERTIES				
People (n) (multiplier 2.35)	16	0	0	0
Services	2	0	0	1
ECONOMIC ACTIVITY				
Non Residential Properties	206	5	8	31
Airports	0	0	0	0
Roads (km)	0	0	0	0
Railways (km)	0	0	0	0
Agricultural Land (hectares)	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Bathing Waters	0	0	0	0
EPR Installations	0	0	0	0
Special Area of Conservation (SAC)	0	0	0	0
Special Areas of Protection (SPA)	0	0	0	0
Ramsar	0	0	0	0
World Heritage Sites	0	0	0	0
Sites of Special Scientific Interest (SSSI)	0	0	0	0
Parks and Gardens	0	0	0	0
Scheduled Ancient Monuments	0	0	0	0
Listed Buildings	0	0	0	0
Licensed Abstractions	0	0	0	0
RISK TO ENVIRONMENTAL RECEPTORS				
Internal	0			
External	0			
Highway	2			

Location	Source	FRMP Measure Number	FRMP Measure Title	Measure Type	Timing	Measure Status	Responsible Authority
RCT0137	Local	30	Surface Water Modelling	M24 (Prevention)	2016-2021	Proposed	RCTCBC

uFMfSW for RCT0135



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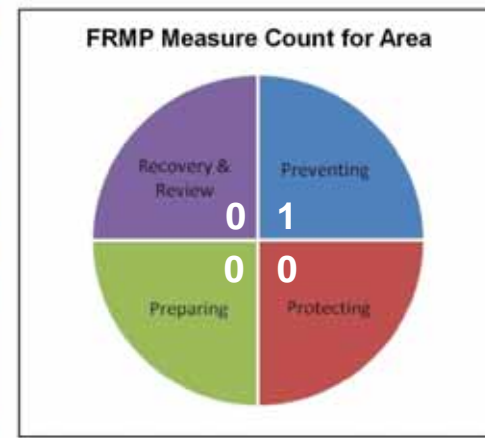
RCT0137

Legend

- RCTBoundary
- Flood Investigation Area

Flooding Risk

- High
- Medium
- Low



Flood Investigation Site

APPENDIX B

RISK MANAGEMENT AUTHORITIES

APPENDIX C

**LOCAL FLOOD RISK MANAGEMENT STRATEGY
MEASURES**

Development Planning and Adaptation

MEASURE 1	Establish SuDS Approval Body
<p>The Flood and Water Management Act 2010 assigns RCTCBC the role of a Sustainable Urban Drainage System (SuDS) Approval Body (SAB). A SAB will be responsible for:</p> <ul style="list-style-type: none"> • assessing and approving the drainage design for all construction work which has drainage implications, and • adoption and maintenance of SuDS schemes which connect more than one property. <p>The Welsh Government is at present developing National Standards for SuDS. RCTCBC will be reviewing this measure upon publication of the National Standards.</p>	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	New function with cost recovery – potential revenue implication
BENEFITS	<ul style="list-style-type: none"> • Reduction of runoff rates which will reduce downstream flooding; • Encourage natural groundwater recharge; • Enhancement of amenity, environmental and aesthetic value of open spaces
TIMESCALE	The legislation governing this measure has not yet been enacted, but is likely to be so during the lifetime of the LFRMS. This measure will be updated once the relevant legislation has been commenced.
LINK TO LFRMS OBJECTIVE	1, 2, 5, 6, 7, 8
LINK TO WG NFRMS	Sub-Objective 3 - <i>Approval and adoption of SuDS drainage systems by the SuDS Approving Body and Adopting Body</i>
DEPENDENCIES	Publication of National Standards for SuDS by the Welsh Government
LINK TO ACTION PLAN	Action 3 – Establish SuDS Approval Body

MEASURE 2	Water Cycle Strategy
<p>To bring together all the elements of the water cycle relevant to the development and infrastructure planning process. This would include:</p> <ul style="list-style-type: none"> • water supply to meet current and future demands; • water management within existing developments; • water management in new developments; • waste water treatment and disposal; and • the impact of all of these on the movement of water through the catchment (including flood risk), water quality, natural hydrological processes and ecology. 	
STATUS	Best Practice
FINANCIAL IMPLICATION	Existing Function – No implication
BENEFITS	<ul style="list-style-type: none"> • The study is a partnership document involving the planning authority, water company and Natural Resources Wales. Joint working ensures that the study provides benefits to all stakeholders. • Welsh Water benefits include timely input to water infrastructure planning regarding future development, strategic needs, environmental constraints, Water Framework Directive management requirements, reduced flood risk and enhanced water quality. • Natural Resources Wales benefits include a framework for water and nature conservation policy compliance, for detailed development control observations and Local Development Plan consideration. • Developers benefit from clear guidance regarding water efficiency targets, SuDS, infrastructure timescales and costs, and environmental constraints. • The public will benefit from reliable infrastructure for supply and water treatment, good planning for climate change and flood risk management and potential savings from a strategic approach. • For the Planning Authority evidence is provided for the Local Development Plan for site allocation and infrastructure planning and for implementation through development control, Community Infrastructure Levy / S106 etc.
TIMESCALE	RCTCBC LDP Review in 2015
LINK TO LFRMS OBJECTIVE	1, 2,3 ,4 ,5 ,6 ,7 ,8 ,9 ,10
LINK TO WG NFRMS	N/A
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 1 – Flood Risk Management Plans & Action 6 – LDP Review Process

MEASURE 3	Rhondda Cynon Taf Local Development Plan, Strategic Flood Consequences Assessment and Supplementary Planning Guidance
	<p>The Rhondda Cynon Taf Local Development Plan (LDP) was adopted in March 2011. This statutory document allocates significant areas of land for development, including land for over 14,000 new homes, 98 hectares for employment purposes and land for over 34,000m² of new retail floorspace. Other allocations include strategic highway improvements, education facilities and minerals and waste operations.</p> <p>All of the allocations were identified following a comprehensive assessment process which considered nationally identified fluvial floodrisk zones through the advice maps and a surface water floodrisk assessment. As a consequence, only a limited number of sites in the LDP are subject to any level of flood risk. Where the floodrisk is known, the LDP identifies the need for further consideration and assessment of flooding issues.</p> <p>A Strategic Flood Consequences Assessment (SFCA) was also undertaken as part of the LDP. This study focussed on the 8 Strategic Sites (mixed development sites over 20 hectares) and the Treforest Industrial Estate. The primary intention of the SFCA was to assess flood risk at the key development sites at a strategic level. The secondary focus of the SFCA was to assess the potential flood risk from drainage “hotspots” throughout Rhondda Cynon Taf CBC.</p> <p>The LDP includes specific policies which set out how all other development proposals should be considered in relation to floodrisk. Policy AW2 includes criteria which aim to ensure that highly vulnerable development or emergency services are not permitted within C2 floodrisk zones. It then gives some specific allowances for development in zone C.</p> <p>Policy AW10 then sets out how development proposals would not be permitted where they would cause or result in a risk of unacceptable harm to health and/or local amenity. Flooding as well as water pollution is included in the list of identified risks in this policy.</p> <p>Policy NSA 26 relates specifically to development within, and the protection of, the Cynon Valley River Park area and floodplain. It aims to encourage management of the floodplain to provide space for natural river processes, wildlife and people.</p> <p>The council is considering preparing additional guidance on Sustainable Drainage Systems (SuDS). This may then be used when designing all new development proposals, from individual dwellings to strategic sites of hundreds of homes or retail parks etc. The Supplementary Planning Guidance (SPG) will be formulated by the authority once national guidance and legislation on national standards for sustainable drainage is agreed and implemented.</p>
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	Existing Function – No implication

MEASURE 3 (cont'd)	Rhondda Cynon Taf Local Development Plan, Strategic Flood Consequences Assessment and Supplementary Planning Guidance
BENEFITS	<ul style="list-style-type: none"> • There are many clear benefits associated with the LDP, including the allocation process, its principles and policies. • The majority of allocated sites contained in the LDP should all come forward for development in the knowledge that they are free from flooding constraint. • All other development proposals that come forward to be considered by the Council in Rhondda Cynon Taf will also be assessed against policy framework provided by the plan and national floodrisk data. • The LDP also aims to ensure that all existing urban areas as well as other developed, or even undeveloped, land and property are protected from flooding that may be created by new development. • The future SPG on SuDS will ensure that surface water drainage is seen as integral in the design of all new developments.
TIMESCALE	Ongoing
LINK TO LFRMS OBJECTIVE	1, 2, 5, 6, 7, 8, 12,
LINK TO WG NFRMS	<i>Sub-Objective 3 – Development of Local Development Plans that include adequate provisions in respect of flood and coastal erosion risk & appropriate undertaking of Strategic Flood Consequence Assessments and their use to inform Local Development Plan</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 6 – LDP Review Process

MEASURE 4	Planning Policy Wales and TAN 15
	<p><i>Planning Policy Wales</i> (PPW) sets out the Welsh Government’s land use planning policies. It is supplemented by a series of Technical Advice Notes (TAN’s).</p> <p>Key policy objectives as identified in Section 4.4 of PPW include the need to <i>minimise the risks posed by, or to, development on, or adjacent to, land liable to flooding.</i></p> <p>Section 9 requires local planning authorities to promote sustainable residential environments, giving regard to biodiversity, nature conservation and flood risk. Chapter 13 sets out the broader objectives for planning and environmental management. This is to control where development can take place and what operations may be carried out, to ensure the avoidance of, or minimising, the adverse effects of any environmental risks associated with flooding on present or future land use.</p> <p>TAN 15 provides technical guidance which supplements the policy set out in Planning Policy Wales. It advises on development and flood risk and provides a framework within which risks arising from both river and coastal flooding, and from additional run-off from development in any location, can be assessed.</p> <p>Development advice maps have been prepared and are based on the best available information considered sufficient to determine when flood risk issues need to be taken into account in planning future development. Three development advice zones are described on the maps, to which are attributed different planning actions – zones A, B and C. All types of development are also divided into three categories in accordance with their vulnerability to and the consequences of flooding.</p> <p>Surface Water Run-Off is also identified as a major potential impact that needs to be considered in determining new developments. Need for consultation with necessary bodies is identified as well as the discussion of preparing Sustainable Drainage Systems in the design of new development.</p> <p>Considerable guidance is then given on how justification, assessments and evidence need to be prepared in allowing and allocating development in certain floodrisk zones. This includes the need for site specific Flood Consequence Assessments or Broader Level assessments.</p>
STATUS	Statutory Requirement

MEASURE 4 (cont'd)	Planning Policy Wales and TAN 15
FINANCIAL IMPLICATIONS	Existing Function – No implication
BENEFITS	<ul style="list-style-type: none"> • The strategic policy and guidance from Welsh Government on flood risk should enable a consistent approach to the issue across Wales. • The benefits of PPW and Tan 15 are that they provide a clear guidance intended to ensure that all new development is located away from land that is subject to floodrisk, or otherwise provide an identification process of where further consideration and assessment is required before development can take place.
TIMESCALE	RCTCBC LDP Review in 2015
LINK TO LFRMS OBJECTIVE	1, 2, 3, 5, 6, 7, 8, 10, 11, 15,
LINK TO WG NFRMS	Sub-Objective 3 – <i>Compliance with the requirements of Planning Policy Wales and relevant Technical Advice Notes</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 6 – LDP Review Process

Flood Forecasting, Warning and Response

MEASURE 5	Flood Awareness
	<p>The Council has a duty under the Civil Contingencies Act (2004) to warn and inform its residents of the risks and implications of those risks before, during and after any incidents. As part of this the Councils website holds information and links to further sources of information in relation to flooding incidents. On occasion, when significant flooding does occur, staff from the Council attend areas/properties to provide advice to the affected residents.</p> <p>Additionally a guide for elected members on their role has been produced.</p> <p>This can be extended further under the general requirements of the FAWMA 2010.</p>
STATUS	Statutory Requirement extended via best practice
FINANCIAL IMPLICATION	Existing Function – No implication New Function – Revenue Implication
BENEFITS	<ul style="list-style-type: none"> The Government believes a well-informed public is better able to respond to an emergency and to minimise the impact of the emergency on the community. Informing the public as best we can will build their trust. It will also help minimise disruption and improve/ease the response to any flooding incidents. An aware population has the ability to understand and prepare for the impact of a flooding situation and to take remedial measures prior to a situation, for example purchasing flood gates.
TIMESCALE	The website is reviewed at least annually and information is provided directly to the public using the most appropriate means when flooding occurs.
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 10, 11, 12
LINK TO WG NFRMS	Sub-Objective 5 – <i>Programme of community based awareness and engagement activities, utilising the Flood Risk Management Community Engagement Toolkit</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	N/A

MEASURE 6	Flood Warning
<p>The Council has a duty under the Civil Contingencies Act (2004) to warn and inform its residents of the risks and implications of those risks before, during and after any incidents.</p> <p>Taking into account the demands of responding to the incident and available resources, where possible information will be provided on the impact and actions to take. This will either be single agency or multi agency dependent on the circumstances of the flooding situation.</p> <p>Natural Resources Wales are responsible for providing information via their flood forecasting systems on main river flooding for registered properties.</p> <p>A number of methods of communication will be used, for example use of local media or door knocking. Additionally, the Council's Call Centre will be used to receive calls from concerned or affected residents. They are also part of a tripartite SPOC system where the Council, Natural Resources Wales and Welsh Water are able to transfer calls based on the type of flooding.</p> <p>Warning and informing is not a stand alone function, its need is included within response plans. It must also link in to flood awareness.</p> <p>This can be extended further under the general requirements of the FAWMA 2010.</p>	
STATUS	Statutory Requirement extended via best practice
FINANCIAL IMPLICATION	Existing Function – No implication New Function – Revenue Implication
BENEFITS	<ul style="list-style-type: none"> The benefit of warning systems are that they allow informed residents to act to prevent/minimise the effects of flooding. This area is constantly reviewed as knowledge and risk changes.
TIMESCALE	As necessary, however further development needed for non main river issues
LINK TO LFRMS OBJECTIVE	1, 2, 3.
LINK TO WG NFRMS	Sub-Objective 6 – <i>Provision of appropriate warnings in relation to all sources of flooding.</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	N/A

MEASURE 7	Emergency Response Plans
	<p>Emergency planning should aim where possible to prevent emergencies occurring and when they do occur, good planning should reduce, control or mitigate the effects of the emergency. It is a systematic and ongoing process which should evolve as lessons are learnt and circumstances change.</p> <p>Multi agency plans will concentrate on different agencies responsibilities as well as command and control.</p> <p>Within the Council we will also have Service and Team specific plans that look at responsibilities in a more detailed way which will include mobilisation as well as specific actions and known risks. It will be more prescriptive on actions before, during and after flooding. An example would be priority culvert inspections</p> <p>The main bulk of planning should consider how to minimise the effects of an emergency, starting with the impact of the event (e.g. alerting procedures) and looking at remedial actions that can be taken to reduce effects.</p>
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	Existing Function – No implication
BENEFITS	<ul style="list-style-type: none"> • Actions clear; • Defined responsibilities; • Prior planning, not reactive; • Flexibility; • Ability to plan and train; • Clear Command and Control; • Links to other plans/agencies clear; • Transparency
TIMESCALE	Short term, ongoing.
LINK TO LFRMS OBJECTIVE	4, 10, 11, 13, 14.
LINK TO WG NFRMS	Sub-Objective 7 – <i>Complete emergency plans for all sources of flood risk</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	N/A

MEASURE 8	Community Flood Plans
	<p>Natural Resources Wales are the lead agency on the development of community flood planning in Wales. Rhondda Cynon Taf have worked closely with them in the development of plans for designated communities within the Borough. The communities chosen are based on an assessment of risk from main river flooding, however when planning begins, it takes into account all forms of flooding. The aim of the community flood plans is to develop resilient, aware and organised communities, when faced with flooding in their areas.</p>
STATUS	Best Practice
FINANCIAL IMPLICATION	Existing Function – No implication
BENEFITS	<ul style="list-style-type: none"> • The first people to respond to any flooding incidents are the communities themselves. A prepared structured response will improve the speed and quality and hopefully reduce the risk and impact. Knowing what to do and who is to do it in advance improves the response. • Working together as a community or group has multiple benefits on the ground. It can improve communication before, during and after a flood incident, making sure the right people are involved at the right time. Local people know their risks and the vulnerable in their communities better than any responder agency and will be best placed to react and support. They will also be able to provide information to agencies if they attend the incident. • Flooding incidents can be widespread and external support may be slow or unavailable. Where communities are involved with flood planning it will enable the community or group to take control and help during a flood, when other organisations could be overstretched or unable to reach them. • Involving local people helps their community become more flood resilient
TIMESCALE	<p>Currently plans are developed based on a rolling annual programme developed by Natural Resources Wales. Once complete plans are in the ownership of the relevant communities, with support provided as necessary.</p> <p>This area will need further consideration if RCT develop their own programmes</p>
LINK TO LFRMS OBJECTIVE	10, 11, 12, 13, 14.
LINK TO WG NFRMS	Sub-Objective 5 – <i>Programme of community based awareness and engagement activities, utilising the Flood Risk Management Community Engagement Toolkit</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	N/A

MEASURE 9	Multi-Agency Flood Plans
<p>Local Authorities and other organisations are responsible under the Civil Contingencies Act (2004) for developing emergency plans to help reduce, control or ease the effects of an emergency.</p> <p>In order to fulfil its responsibilities and to follow Cabinet Office advice, the Council has established a joint multi agency forum which is intended to manage the planning for and response to flooding in its area.</p> <p>The forum is known as The Rhondda Cynon Taf Flood Review Group. The Group is jointly Chaired by an officer of the Council and an officer from Natural Resources Wales.</p> <p>The Flood Review Group will:</p> <ul style="list-style-type: none"> • Examine the Risk Assessments provided under the Flood Risk Regulations to assess the flood risks to the Borough from all sources; • Consider flood prevention schemes; • Arrange joint training and exercising as necessary; • Act as a focal point for debate and public interaction; • Consider the roles and responsibilities of all bodies who have a role in flood management and response; • Review flood incidents, identify lessons and share information; • Review flood response plans; and • Promote flood awareness to the public. 	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	Existing Function – No implication
BENEFITS	<ul style="list-style-type: none"> • Greater understanding of partners' roles and responsibilities; • Reduction in duplication; • Improved command and control; • Jointly defines risks and priorities
TIMESCALE	The plan is reviewed annually or following any changes to legislation. It is also reviewed using lessons learned from incidents of exercises.
LINK TO LFRMS OBJECTIVE	4, 10, 11, 12, 13, 14.
LINK TO WG NFRMS	Sub-Objective 7 – <i>Complete emergency plans for all sources of flood risk</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	N/A

Land, Cultural and Environmental Management

MEASURE 10	Land Management
<p>There is the potential for surface water runoff to be reduced via the implementation of certain land management techniques, whether solely for the purpose of flood risk management or as by-products of other land management schemes.</p> <p>RCTCBC proposes to undertake further assessment of the viability of implementing such measures as a means of reducing flood risk in RCT.</p> <p>Where feasible, RCTCBC proposes to use land management techniques ahead of structural measures when setting measures for and implementing local flood risk management plans</p>	
STATUS	Best Practice
FINANCIAL IMPLICATION	Project Revenue – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> • Greater understanding of where land management techniques can be used within RCT; • Implementation of land management techniques would offer a 'sustainable' flood risk management solution, particularly when compared to structural measures; • Potential wider environmental/amenity benefits of using land management techniques; • Potential for greater engagement of land use owners and other stakeholders in local flood risk management and the ability to work collaboratively with neighbouring Local Authorities.
TIMESCALE	Implemented by Dec 2015 as part of the production of Flood Risk Management Plans.
LINK TO LFRMS OBJECTIVE	1, 2, 5, 6, 7, 8, 9, 10, 11, 15.
LINK TO WG NFRMS	Sub-Objective 3 – <i>Provision of advice and guidance on appropriate land use management</i>
DEPENDENCIES	Publication of Welsh Government guidance into the costs and benefits of softer engineering processes/natural processes for flood and coastal erosion risk management.
LINK TO ACTION PLAN	<p>Action 1 - Flood Risk Management Plans.</p> <p>Action 9 - Undertake research project into the likely effectiveness of land management techniques</p>

MEASURE 11	Environmental Enhancement
Implementing the array of measures contained within this Strategy affords a significant opportunity to enhance the wider environment of RCT.	
STATUS	Best Practice
FINANCIAL IMPLICATION	Project Revenue/Capital – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> • Maintain or where possible enhance biodiversity and habitat creation in accordance with RCTs Biodiversity Action Plan; • Protect and enhance the water environment; • Provides opportunities to improve human health; • Protect and enhance land quality; and • Mitigate impacts from climate change
TIMESCALE	Medium to Long Term (5 years +)
LINK TO LFRMS OBJECTIVE	5, 6, 7, 8, 9
LINK TO WG NFRMS	Sub-Objective 2 – <i>Development of the National Habitats Creation Programme as part of the delivery of the Natural Environment Framework</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 1 - Flood Risk Management Plans

MEASURE 12	Water Level Management Plan
	WLMPs are required in conservation areas where the control of water levels is important. They set out ways to balance the water level requirements of different activities such as agriculture, flood defence and conservation. The current focus is on water level management within SACs and SSSIs, but the process could be extended to include other important wetland Sites (particularly those which contribute to habitat connectivity).
STATUS	Best Practice
FINANCIAL IMPLICATION	Existing Function – No implication
BENEFITS	<ul style="list-style-type: none"> • For Natural Resources Wales plans ensure that proposed flood risk management operations are compliant with environmental legislation
TIMESCALE	Medium to long term (5 years +)
LINK TO LFRMS OBJECTIVE	5, 6, 7, 8, 9, 11
LINK TO WG NFRMS	Sub-Objective 2 – <i>Development of the National Habitats Creation Programme as part of the delivery of the Natural Environment Framework</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 1 - Flood Risk Management Plans

MEASURE 13	Habitat Creation
Habitat creation describes the intentional process of changing the character and/or management of land to create a different habitat.	
STATUS	Best Practice
FINANCIAL IMPLICATION	Project Revenue/Capital – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> Habitat creation is only beneficial if the pre-existing habitat is of significantly lower nature conservation value than the proposed creation. Specific benefits from habitat creation (and restoration of pre-existing habitat) can include greater water retention, reduced water flow speeds, and increased groundwater infiltration, providing connections between existing habitat patches and biodiversity gain.
TIMESCALE	Medium to long term (5 years +)
LINK TO LFRMS OBJECTIVE	3, 4, 5, 6, 7, 8, 9
LINK TO WG NFRMS	Sub-Objective 2 – <i>Development of the National Habitats Creation Programme as part of the delivery of the Natural Environment Framework</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 1 - Flood Risk Management Plans

Asset Management and Maintenance

MEASURE 14	System Asset Management Plans
	RCTCBC will be creating its own asset database of structures deemed significant to flood risk. Where these assets are RCTCBC's, asset management plans for inspection and maintenance will be created (if none already exists). Further asset management plans will also be implemented for third party structures where there is a requirement to inspect.
STATUS	Best Practice
FINANCIAL IMPLICATION	New Function – Revenue
BENEFITS	<ul style="list-style-type: none"> • Maintenance regimes will be able to take into account assets important for managing flood risk, particularly in high risk areas; • Greater awareness of critical flood risk infrastructure within RCT and the implementation of a co-ordinated regime of inspection and maintenance.
TIMESCALE	Medium (5-20 years)
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4
LINK TO WG NFRMS	Sub-Objective 9 – <i>Development of procedures for the effective clearance of debris & Development of repair schedules including provision for the installation of resilient measures by 2015.</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 4 - Create Asset Register of Structures and Features

MEASURE 15	Enforcement on Private Surface Water Sewers
RCTCBC has powers under the Public Health Act to undertake enforcement duties on private surface water sewers.	
STATUS	Permissive Power – currently administered by RCTCBC’s Public Health and Protection Division
FINANCIAL IMPLICATIONS	Existing function – no implication
BENEFITS	<ul style="list-style-type: none"> The powers, as required, provide a general level of protection for members of the public from assets not in the ownership of RCTCBC.
TIMESCALE	Ongoing
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4
LINK TO WG NFRMS	N/A
DEPENDENCIES	N/A
LINKS TO ACTION PLAN	N/A - Existing Function

MEASURE 16	Power to request information and civil sanctions
The Flood and Water Management Act provides RCTCB with the power to request information from third parties to provide information in connection with RCTCBC’s flood risk management functions. Failure to provide such information to the Authority may result in a financial penalty.	
STATUS	Permissive Power
FINANCIAL IMPLICATIONS	New Function – Revenue Implication
BENEFITS	<ul style="list-style-type: none"> RCTCBC now has the ability to ensure that it has all relevant information from third parties such that it can build and maintain its register of structures/features which are likely to have a significant effect on flood risk.
TIMESCALE	Medium (5-20 years)
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 11
LINK TO WG NFRMS	Sub-Objective 4 – <i>Development of a register of natural and man-made structures or features likely to have an effect on flood risk by 2014</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 4 – Asset Register of Structures and Features

MEASURE 17		Asset Register and Records	
<p>RCTCBC is required to keep both asset registers (for public use) and asset records (for use by risk management authorities) for structures and features which are considered to have a significant effect on flood risk. There is no formal definition of when an asset has a 'significant effect' but will largely be determined on the flood history of the site and the vulnerability of any infrastructure likely to be affected by a failure of the asset.</p> <p>RCTCBC proposes to be pro-active in the recording of flood risk assets, using the mechanisms of Ordinary Watercourse Consenting, investigation of flooding incidents, the Planning Application Process, and, in future, its role as SAB to expand its asset record.</p>			
STATUS		Statutory Requirement	
FINANCIAL IMPLICATION		New Function – revenue implication	
BENEFITS		<ul style="list-style-type: none"> • Confusion over ownership of flood risk assets will be lessened; • Maintenance regimes will be able to take into account assets important for managing flood risk, particularly in high risk areas; • RCTCBC will be able to establish where all assets are, allowing for quicker identification of the responsible authority in flooding incidences; and • RCTCBC would be able to produce/refine their own asset maintenance schedule in addition to potentially providing guidance to riparian owners as to how they should maintain their assets. 	
TIMESCALE		Medium (5-20 years)	
LINK TO LFRMS OBJECTIVE		4, 10, 11	
LINK TO WG NFRMS		<p>Sub-Objective 2 – <i>Implementation of statutory responsibilities including those set out within the Flood and Water Management Act 2010 and the Flood Risk Regulations</i></p> <p>Sub-Objective 4 – <i>Development of a register of natural and manmade structures or features likely to have an effect on flood risk by 2014</i></p>	
DEPENDENCIES		N/A	
LINK TO ACTION PLAN		Action 4 – Asset Register of Structures and Features	

MEASURE 18	Designation of Structures
<p>The Flood and Water Management Act makes RCTCBC the 'Designating Authority' with the power to designate a structure (either man-made or a natural feature of the environment in private ownership) if RCTCBC believes the structure or feature affects flood risk. A person may then not alter, remove or replace the designated structure or feature without the permission of RCTCBC.</p>	
STATUS	Permissive Power
FINANCIAL IMPLICATION	New Function – Revenue Implication
BENEFITS	<ul style="list-style-type: none"> Overcomes the risk of a person damaging or removing a structure or feature on private land which is relied upon for flood risk management; Ensures that records of significant flood risk structures/features are formally recorded and monitored; Designated structures or features will be registered in the Local Land Charges Register.
TIMESCALE	Medium (5-20 years)
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 10
LINK TO WG NFRMS	Sub-Objective 4 – <i>Development of a register of natural and man-made structures or features likely to have an effect on flood risk by 2014.</i>
DEPENDENCIES	N/A
LINK TO PLAN	Action 2 – Production of Flood Hazard and Risk Maps. Action 4 – Asset Register of Structures and Features

MEASURE 19	SuDS Adoption
<p>Once the relevant legislation has been enacted, RCTCBC will have a duty to adopt SuDS systems that have met the requirements for approval. RCTCBC will hence be responsible for the maintenance of the adopted drainage system.</p>	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	New Function with cost recovery – potential revenue implication.
BENEFITS	<ul style="list-style-type: none"> Ensures appropriate maintenance of SuDS features is undertaken throughout product life cycle. Appropriate supervision of SuDS construction will be undertaken prior to adoption to ensure 'as constructed' standard is 'as approved'.
TIMESCALE	Short (0–5 years)
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 5, 6, 7,
LINK TO WG NFRMS	Sub-Objective 3 - <i>Approval and adoption of SuDS drainage systems by the SuDS Approving Body and Adopting Body</i>
DEPENDENCIES	Publication of National Standards for SuDS by the Welsh Government
LINK TO PLAN	Action 3 – Establish SuDS Approval Body

MEASURE 20	Consenting of Structures to Ordinary Watercourses
<p>RCTCBC intend, in general, to oppose any culverting/obstruction of watercourses because of adverse ecological, flood risk and other effects that are likely to arise. Wherever practical, RCTCBC will also seek to have culverted watercourses restored to open channels.</p> <p>Any culverting of a watercourse, or the alteration of an existing culvert, will require an ordinary watercourse consent from RCTCBC under Section 23 of the Land Drainage Act. If a culvert is constructed (or altered) on a watercourse without consent, RCTCBC may serve an abatement notice on the person having the power to remove it. If the notice is not complied with, the person responsible may be prosecuted and RCTCBC will be entitled to carry out the necessary works and recover reasonable costs incurred in doing so.</p>	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	New Function with Cost Recovery – Potential Revenue Implication.
BENEFITS	<ul style="list-style-type: none"> • Decrease the loss of environmental features - prohibiting the culverting of watercourses will mitigate against the detrimental environmental impact caused by culverting e.g. removal of species and watercourse features such as pools, riffles, gravel, cobble, sand, silt, marginal/aquatic vegetation, earth banks with associated vegetation, invertebrate communities and fish; • Decrease the likelihood of blockages – compared with an open watercourse, there is an increased risk of blockage once a culvert is installed. If the blockage is within the culvert, there is much greater difficulty in removing it; • Decrease the impact of flooding – Having a non-culvert policy will reduce the effect of overland flooding that will occur when a culvert cannot cope with all the flow reaching it; • Increase floodwater storage – open watercourses generally provide more storage capacity than a culvert; • Increase the ease of providing drainage connections – drainage can be provided more easily within open watercourses into which drain connections can readily be made and the performance of the drainage system visually monitored;

MEASURE 20 (cont'd)	Consenting of Structures to Ordinary Watercourses
BENEFITS (cont'd)	<ul style="list-style-type: none"> • Reduction of health and safety hazards – Culverts are perceived to be more dangerous than open watercourses. There have been many cases in the past where persons have died or suffered injury after entering culverts and they therefore represent a safety hazard. Additionally water levels can rise suddenly and without notice, and there can be a lack of oxygen or build-up of potentially toxic or explosive gases in culverts; • Improve/maintain recharge to groundwater – culverting creates an impermeable bed to a watercourse and increases the speed of flow, so reducing recharge to groundwater.
TIMESCALE	Short Term (0-5 years)
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 5, 6, 7
LINK TO WG NFRMS	Sub-Objective 2 – <i>Implementation of statutory responsibilities including those set out within the Flood and Water Management Act 2010 and the Flood Risk Regulations</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	N/A

MEASURE 21	Enforcement to maintain flow in watercourses
As Lead Local Flood Authority, RCTCBC has permissive powers to serve notices on riparian owners to remedy the condition of a watercourse where the flow is impeded.	
STATUS	Permissive Power
FINANCIAL IMPLICATION	Existing Function – No Implication
BENEFITS	<ul style="list-style-type: none"> • The powers, as required, provide a general level of protection for members of the public from watercourses not in RCTCBC ownership.
TIMESCALE	Ongoing
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4
LINK TO WG NFRMS	Sub-Objective 9 – <i>Development of procedures for the effective clearance of debris</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Existing Function

MEASURE 22	Enactment of Land Drainage Byelaws
<p>As Lead Local Flood Risk Authority, RCTCBC has the ability to enact land drainage byelaws to:-</p> <ul style="list-style-type: none"> • secure the efficient working of a drainage system; • to regulate the effects on the environment; • to secure the effectiveness of flood risk management work; and • to secure the effectiveness of works done to cause incidental flooding. <p>RCTCBC intends to work with other LLFA's to enact, where possible, a standard set of byelaws.</p>	
STATUS	Permissive Power
FINANCIAL IMPLICATION	New Function – Revenue Implication
BENEFITS	<ul style="list-style-type: none"> • Measure allows for the implementation of specific measures and constraints which will assist RCTCBC in implementing elements of FRMP.
TIMESCALE	Initial deadline corresponding to the production of Flood Risk Management Plans – Dec 2015.
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4
LINK TO WG NFRMS	N/A
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 11 - Enactment of Byelaws

MEASURE 23	Cause incidental flooding for purposes of flood risk management
	RCTCBC has powers to manage flooding and water levels in the interests of wider flood risk management, nature conservation, the preservation of cultural heritage or people's enjoyment of the environment or of cultural heritage. The use of this option will be explored in more detail via Flood Risk Management Plans.
STATUS	Permissive Power
FINANCIAL IMPLICATION	Project Revenue – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> • Measure provides a potential additional flood risk management option and method of co-ordinating a flood risk management measure with potential environmental enhancements.
TIMESCALE	Initial deadline corresponding to the production of Flood Risk Management Plans – Dec 2015.
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4
LINK TO WG NFRMS	Sub-Objective 10 – <i>Undertake Research into the costs and benefits of softer engineering approaches including the use of natural processes for flood and coastal erosion risk management</i>
DEPENDENCIES	Publication of Welsh Government guidance/research into soft engineering/natural processes for use in flood risk management.
LINK TO ACTION PLAN	Action 1 - Local Flood Risk Management Plans

MEASURE 24	Construction of Flood Defences
Outline requirements for capital flood defence works will be identified initially through Flood Risk Management Plans. The technical and economic feasibility of such projects will subsequently be assessed via the Project Appraisal process and current Welsh Government Guidance.	
STATUS	Best Practice
FINANCIAL IMPLICATION	Project Revenue – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> The identification of potential capital flood defence schemes via the process of developing Flood Risk Management Plans will, for the first time, place constructing capital works within the context of RCTCBCs wider flood risk management measures.
TIMESCALE	Initial deadline corresponding to the production of Flood Risk Management Plans – Dec 2015.
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 7
LINK TO WG NFRMS	Sub-Objective 2 – <i>Development of Local Flood Risk Management Strategies</i>
DEPENDENCIES	Publication of Welsh Government guidance on the production of Flood Risk Management Plans
LINK TO ACTION PLAN	Action 1 - Local Flood Risk Management Plans

Studies, Assessment and Plans

MEASURE 25	Investigation of Flooding Incidents
<p>RCTCBC will record and investigate significant flooding incidents and subsequently publish the details in accordance with Section 19 of the FAWMA 2010. The investigation must identify which risk management authorities have relevant flood risk management functions and whether they have exercised those functions appropriately in response to the incident.</p> <p>The following criteria will be used in assessing whether an incident is significant and whether an investigation of a flooding incident should be undertaken:-</p> <ul style="list-style-type: none"> • Where internal flooding has occurred at one property on more than once occasion; • Where internal flooding of five or more properties has occurred during one flooding incident; • Where internal flooding of a commercial property has occurred during one flooding incident; • Where external flooding to land adjacent to a property has occurred more than five times; • Where a critical service has been affected by flooding; • Where a transport link has been rendered impassable for in excess of 10 hours; • Where flooding has potentially posed an immediate and direct threat to life. 	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	New Function – Revenue Implication
BENEFITS	<ul style="list-style-type: none"> • Measure will enable a greater understanding of flood risk within RCT. • A higher standard of flood event data will be available which can be utilised in subsequent studies and assessments.
TIMESCALE	Medium to long term (5-20 years)
LINK TO LFRMS OBJECTIVE	11
LINK TO WG NFRMS	Sub-Objective 2 – <i>Implementation of statutory responsibilities including those set out within the Flood and Water Management Act 2010 and the Flood Risk Regulations</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 7 – Implement investigation and reporting of flood incidents.

MEASURE 26	Local property-level flood mitigation – resilience
<p>Increasing flood resilience will reduce damages caused by any water that gets into a property. This measure will attempt to raise awareness of the techniques that could be utilised when repairing properties subject to repeated flooding in order to reduce future damages. Initial awareness campaigns will be targeted at areas identified as being at high risk of surface water flooding from surface water flood modelling.</p>	
STATUS	Best Practice
FINANCIAL IMPLICATION	Project Revenue – potential external funding
BENEFITS	<ul style="list-style-type: none"> Implementing awareness campaigns where most applicable will place such actions within the context of wider flood risk management measures.
TIMESCALE	Initial deadline corresponding to the production of Flood Risk Management Plans – Dec 2015.
LINK TO LFRMS OBJECTIVE	12
LINK TO WG NFRMS	Sub-Objective 6 – <i>Enhanced awareness of property level resilience measures and guidance on their use</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 1 - Development of Local Flood Risk Management Plans Action 8 - Raising awareness of and engaging people in the response to flood risk management

MEASURE 27	Local property-level flood mitigation - resistance
<p>A general approach to improving property level flood resistance will be adopted across RCT. This could include encouraging property owners to install individual property measures, as well as the implementation of schemes to raise general awareness and preparedness. Initial awareness campaigns will be targeted at areas identified as being at high risk of surface water flooding from surface water flood modelling.</p>	
STATUS	Best Practice
FINANCIAL IMPLICATION	Project Revenue – potential external funding
BENEFITS	<ul style="list-style-type: none"> Implementing awareness campaigns where most applicable will place such actions within the context of wider flood risk management measures.
TIMESCALE	Initial deadline corresponding to the production of Flood Risk Management Plans – Dec 2015
LINK TO LFRMS OBJECTIVE	12
LINK TO WG NFRMS	Sub-Objective 6 – <i>Enhanced awareness of property level resilience measures and guidance on their use</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 1 - Development of Local Flood Risk Management Plans Action 8 - Raising awareness of and engaging people in the response to flood risk management.

MEASURE 28	Pre-Feasibility Studies/Project Appraisals
	Pre-Feasibility Studies/Project Appraisals are likely to be products of flood risk management plans, which will identify the requirement for specific flood risk management projects. Pre-Feasibility/Project Appraisals are used to assess the viability of a range of project options and ensure that future investment decisions are made on a consistent, prioritised basis.
STATUS	Best Practice
FINANCIAL IMPLICATION	Project Revenue – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> • The investment in potential flood risk management projects can be effectively prioritised; • Appraisal of future flood risk management projects will be undertaken inclusive of the wider assessment of economic, environmental and social costs and benefits.
TIMESCALE	Initial deadline corresponding to the production of Flood Risk Management Plans – June 2015
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 7, 9, 16
LINK TO WG NFRMS	Sub-Objective 2 – <i>Development of Local Flood Risk Management Strategies</i> Sub-Objective 1 – <i>Development of a national funding policy and prioritisation methodology for the assessment of applications for funding of all flood and coastal erosion risk management activities from the Welsh Government.</i>
DEPENDENCIES	Publication of Welsh Government guidance on the production of Flood Risk Management Plans & updated guidance on funding prioritisation.
LINK TO ACTION PLAN	Action 1 - Local Flood Risk Management Plans

MEASURE 29	Catchment Flood Risk Management Plan
The Taff and Ely Catchment Flood Management Plan has been produced by Natural Resources Wales to help risk management authorities to work together to identify and agree long-term policies for sustainable flood risk management.	
STATUS	Statutory (third party)
FINANCIAL IMPLICATION	Existing (third party) function – No implication
BENEFITS	<ul style="list-style-type: none"> By incorporating relevant CFMP policies into the LFRMS, a holistic appreciation of wider, catchment scale, flooding issues will be embedded into the LFRMS; Synergies between LFRMS measures and actions and those contained within the CFMP could be used to realise multiple benefits.
TIMESCALE	N/A
LINK TO LFRMS OBJECTIVE	11,14
LINK TO WG NFRMS	Sub-Objective 2- <i>Proportionate implementation of the Catchment Flood Management Plans over the life of the Strategy</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	N/A – Existing third-party function

MEASURE 30	Surface Water Flood Modelling
Surface Water Flood Modelling will be undertaken in RCTs administrative boundary to enable the production of flood hazard and flood risk maps. These will include information about water depth or level, and water flow or velocity. Additional surface water modelling may be required during the preparation of flood risk management plans or an action within the plan.	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	Project Revenue – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> Measure will afford an increased understanding of the probability and consequences of surface water flooding; Increases the understanding of where surface water flooding will occur.
TIMESCALE	Dec 2013 (for production of hazard and risk maps) – Dec 2015 (for Flood Risk Management Plans)
LINK TO LFRMS OBJECTIVE	11
LINK TO WG NFRMS	Sub-Objective 2 – Implementation of statutory responsibilities including those set out within the Flood and Water Management Act 2010 and the Flood Risk Regulations
DEPENDENCIES	Provision of surface water flood maps from the Welsh Government.
LINK TO ACTION PLAN	Action 1 - Development of Local Flood Risk Management Plans; and Action 2 - Production of Flood Hazard and Risk Maps

MEASURE 31	Reservoir Flood Plans
<p>Following the summer floods of 2007, Sir Michael Pitt was asked by UK Government ministers to carry out a review of the flood-related emergencies which had occurred that year. He made a number of recommendations aimed at improving the UK's ability to withstand flooding. The UK Government agreed all of his recommendations about reservoir safety.</p> <p>Whilst there is no perceived increase in risk, the Welsh Government made funding available for the preparation of offsite plans for 10 reservoirs. The South Wales Local Resilience Forum were tasked with producing an offsite plan for 2 of these which are outside the area but should they breach would have the potential (however unlikely) to impact severely on the Council Areas of Merthyr, Rhondda Cynon Taf, Cardiff and the Vale of Glamorgan.</p> <p>The work currently being done on planning for reservoir emergencies involves large raised reservoirs that can hold at least 25,000 cubic metres (approximately 5 million gallons) of water above natural ground level. Work has also commenced by the Local resilience Forum on preparation of a multi agency plan to respond to failure of any reservoirs both within the Borough or that could affect the Borough.</p> <p>Reservoir flood maps are available to everyone on Natural Resources Wales' website. These maps can be viewed by entering a postcode on the website, which will then display the flood maps and provide information about the reservoirs that could cause flooding at that location.</p>	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	Existing Function – No implication
BENEFITS	<ul style="list-style-type: none"> • Reservoir flooding can take the same form as normal main river or surface water flooding, but it also has the potential to cause much more widespread disruption and more severe impact. • Prior planning will allow responding agencies to be better informed and better prepared. Communities at highest risk will also be made aware of the potential and advised on the initial actions to take should an incident occur.
TIMESCALE	Short term (0–2 years)
LINK TO LFRMS OBJECTIVE	4, 10, 12, 13, 14.
LINK TO WG NFRMS	Sub-Objective 7 – <i>Complete emergency plans for all sources of flood risk.</i>
DEPENDENCIES	N/A
LINKS TO ACTION PLAN	N/A

MEASURE 32	Flood Risk Management Plans
	<p>The Flood Risk Regulations (2009) require Lead Local Flood Authorities to prepare and publish Flood Risk Management Plans by December 2015 where the risk of flooding from local flood risk is significant as identified in the Preliminary Flood Risk Assessment (PFRA). Flood Risk Management Plans attempt to assess, map and develop action plans to manage flood risk.</p> <p>The statutory requirement is only to produce a Flood Risk Management Plan for the flood risk area identified as part of the PFRA. However, the PFRA assessment excluded some areas of high risk due to the national constraints, estimated at 10% of properties at risk. RCT feel that all areas of high flood risk should be included in the Flood Risk Management Plan and therefore propose to carry out the plan for its administrative boundary.</p> <p>Flood Risk Management Plans will include the following:</p> <ul style="list-style-type: none"> • Objectives for the purpose of managing flood risk; • The proposed measures for achieving those objectives; • A map showing the boundary of the Flood Risk area; • A summary of the conclusions drawn from the flood hazard and risk maps; • Descriptions of proposed timings and manner of implementing the measures including details of bodies responsible for implementation; and • A description of how the measures will be monitored. <p>In essence the flood risk management plan will set out RCTCBC's recommendations for managing flood risk within its administrative area. It should be stressed that the plan will consider a holistic approach to flood risk management and will not be solely reliant on traditional structural flood risk solutions. Indeed, in line with the objectives of this LFRMS, RCTCBC proposed to seek out opportunities to use innovative land management techniques, in addition to identifying synergies with plans and strategies that aim to incorporate natural flood risk management processes that promote nature conservation or landscape enhancements.</p>
STATUS	Statutory Requirement (with expanded area)
FINANCIAL IMPLICATION	Project Revenue – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> • The production of a Flood Risk Management Plan will focus and direct the future work on flood risk management within RCT. • It will inform the work and strategies of RCTCBC's flood risk management partners enabling a co-ordinated multi-agency approach to flood risk management within RCT and at a higher level regional/catchment scale; • It will raise awareness of and improve the knowledge of local flood risk within RCT and provide an insight into its inter-relationship with river and sewer flooding. • It will allow for move innovative techniques at a catchment/regional level

MEASURE 32 (cont'd)	Flood Risk Management Plans
TIMESCALE	Short term – Statutory requirement to publish by December 2015
LINK TO LFRMS OBJECTIVE	1, 2, 3, 4, 5, 6, 8, 9, 15
LINK TO WG NFRMS	Sub-Objective 2 – Implementation of statutory responsibilities including those set out within the Flood and Water Management Act 2010 and the Flood Risk Regulations & Development of Local Flood Risk Management Strategies
DEPENDENCIES	Provision of surface water flood maps from the Welsh Government.
LINK TO ACTION PLAN	Action 1 – Flood Risk Management Plans

MEASURE 33	Flood Risk and Hazard Maps
The Flood Risk Regulations (2009) require all Local Lead Flood Authorities to produce Flood Risk and Hazard Maps by 2013. These maps will be used to identify the level of hazard and risk of flooding within RCT. These maps will subsequently inform the content of Flood Risk Management Plans.	
STATUS	Statutory Requirement
FINANCIAL IMPLICATION	Project Revenue – Potential External Funding
BENEFITS	<ul style="list-style-type: none"> • Measure will afford an increased understanding of the probability and consequences of surface water flooding; • Increase the understanding of where surface water flooding will occur and how it is likely to affect the local population and infrastructure; • Enable flood risk management options to be targeted and prioritised based on a quantified risk measurement.
TIMESCALE	Short term – Statutory requirement to publish by Dec 2013
LINK TO LFRMS OBJECTIVE	11, 15
LINK TO WG NFRMS	Sub-Objective 2 – Implementation of statutory responsibilities including those set out within the Flood and Water Management Act 2010 and the Flood Risk Regulations & Appropriate mapping of all sources of flood risk Sub-Objective 5 – <i>Identification of at risk groups within communities including vulnerable individuals</i>
DEPENDENCIES	Provision of surface water flood maps from the Welsh Government
LINK TO ACTION PLAN	Action 2 – Flood Risk and Hazard Maps

High Level Awareness and Engagement

MEASURE 34	Partnership Working
RCT will endeavour to co-operate with other risk management authorities and stakeholders on new functions and potential future projects that are products of the LFRMS. The South East Wales Flood Risk Management Group has been established to facilitate best practice, consistency in interpretation and collaborative working.	
STATUS	Best Practice
FINANCIAL IMPLICATION	Existing Function – No Implication
BENEFITS	<ul style="list-style-type: none"> Partnership working avoids duplication of effort and investment amongst RMAs; Enables a better understanding of regional risks and the actions required to manage them.
TIMESCALE	Ongoing
LINK TO LFRMS OBJECTIVE	14
LINK TO WG NFRMS	Sub-Objective 1 – <i>Raising awareness of the implications of flood and erosion risk across all business sectors over the life of this Strategy.</i>
DEPENDENCIES	N/A
LINKS TO ACTION PLAN	Action 1 – Flood Risk Management Plans Action 10 – Active Participation in SEWFRMG

MEASURE 35	Community/Public Engagement/Consultation
Raising community awareness and communicating effectively with local communities will enable RCTCBC to set realistic expectations and achievable outcomes for local flood risk management. RCTCBC proposes to proactively inform those that are at risk of local flooding and advise them on what steps to take.	
STATUS	Best Practice
FINANCIAL IMPLICATION	Existing Function/New Function – Potential revenue implication
BENEFITS	<ul style="list-style-type: none"> Effective communication of the risk of flooding to those affected can encourage people to be more pro-active at community level. Community and public engagement will result in greater ‘buy in’ of the LFRMS by those affected by flooding.
TIMESCALE	Ongoing
LINK TO LFRMS OBJECTIVE	10,11
LINK TO WG NFRMS	Sub-Objective 1 – <i>Raising awareness of the implications of flood and erosion risk across all business sectors over the life of this Strategy.</i>
DEPENDENCIES	N/A
LINK TO ACTION PLAN	Action 8 – Raising awareness of and engaging people in the response to flood risk management

Monitoring

MEASURE 36	Habitats Monitoring
<p>Special Areas of Conservation and Sites of Special Scientific Interest are monitored by Natural Resources Wales. Sites of Importance for Nature Conservation are monitored on a rolling programme for the Local Development Plan.</p>	
STATUS	Best Practice
FINANCIAL IMPLICATION	Existing (third party) function – no implication
BENEFITS	<ul style="list-style-type: none"> Understanding of change in the extent and condition of habitats
TIMESCALE	Ongoing
LINK TO LFRMS OBJECTIVE	5, 6, 7, 8, 9
LINK TO WG NFRMS	N/A
DEPENDENCIES	N/A
LINKS TO ACTION PLAN	N/A

MEASURE 37	Weather Pattern Monitoring
<p>Monitoring of metrological parameters will assist in the calibration and effective development of surface water flood modelling. Additional information will also assist in the study of catchment level flood risk management measures.</p>	
STATUS	Best Practice
FINANCIAL IMPLICATION	New Function – Revenue implications
BENEFITS	<ul style="list-style-type: none"> Assists in the accurate production of hydrodynamic models.
TIMESCALE	Medium to long term (5-20 years)
LINK TO LFRMS OBJECTIVE	11
LINK TO WG NFRMS	N/A
DEPENDENCIES	N/A
LINKS TO ACTION PLAN	Action 1 – Flood Risk Management Plans

MEASURE 38	Flow Monitoring
Flow monitoring of watercourses will provide information for the calibration of surface water flood models. Flow monitoring could be used to provide flood warning if this is found to a suitable flood risk management measure.	
STATUS	Best practice
FINANCIAL IMPLICATION	New Function – Revenue implication
BENEFITS	<ul style="list-style-type: none"> Assists in the accurate production of hydrodynamic models.
TIMESCALE	Medium to long term (5-20 years)
LINK TO LFRMS OBJECTIVE	11
LINK TO WG NFRMS	N/A
DEPENDENCIES	N/A
LINKS TO ACTION PLAN	Action 1 – Flood Risk Management Plans

GLOSSARY

C

Catchment – The watershed of a surface water river system.

CFMP – Catchment Flood Management Plan – These are strategic planning tools through which the Environment Agency and Natural Resources Wales seek to work with other important decision-makers within a river catchment to identify and agree policies for sustainable flood risk management.

D

DEFRA – The Department for Environment, Food and Rural Affairs – government department responsible for environmental protections, food production and standards, agriculture, fisheries and rural communities in the United Kingdom.

Discharge - is the volume of water flowing through a river channel. This is the total volume of water flowing through a channel at any given point and is measured in cubic metres per second (cumecs).

E

EA – Environment Agency

F

FCERM – Flood and Coastal Erosion Risk Management.

Floods Directive – The European Floods Directive (2007/60/EC) on the assessment and management of flood risks.

Flood Risk Area (FRA) – Areas where the risk of flooding from local flood risks is significant as designated under the Flood Risk Regulations.

FRMP – Flood Risk Management Plan – Plan produced to deliver the requirements of the Regulations.

Flood Risk Regulations 2009 – Regulations which transpose the EU Floods Directive into domestic law and implement its provisions.

Ffridd – An important historic, cultural and visual landscape, this habitat provides an ecological link, connecting the lowlands and uplands of Wales, and facilitates the movement of numerous species.

G

Groundwater flooding – Occurs when water levels in the ground rise above the natural surface. Low-lying areas underlain by permeable strata are particularly susceptible.

Geomorphology – the scientific discipline concerned with the surface features of the Earth and the chemical, physical and biological factors that act on them.

H

HRA – Habitats Regulations Assessment – an assessment undertaken in relation to a site designated under the Habitats and Birds Directives.

Hydromorphology – Describes the hydrological and geomorphological processes and attributes of surface water bodies. The Water Framework Directive requires surface waters to be managed in such a way as to safeguard their hydrology and geomorphology so that ecology is protected.

L

LLFA – Lead Local Flood Authority.

Local FRM Strategy – Local flood risk management strategy produced by LLFAs under the Flood and Water Management Act 2010.

M

Main River – A watercourse shown as such on the main river map, and for which the Environment Agency and Natural Resources Wales has responsibilities and powers.

N

National FCERM Strategy – National flood and coastal erosion risk management strategy – This strategy was prepared under the Flood and Water Management Act 2010, by the Welsh Government for Wales.

NRW – Natural Resources Wales – Took over the functions of the Environment Agency in Wales on 1st April 2013.

O

Ordinary Watercourses – All watercourses that are now designated Main River, and which are the responsibility.

P

PFRA – Preliminary Flood Risk Assessment – these were required to be published by December 2011 and were the first stage in delivering the Regulations.

R

Reservoir – A natural or artificial lake where water is collected and stored until needed. Reservoirs can be used for irrigation, recreation, providing water supply for municipal needs, hydroelectric power or controlling water flow.

Risk Management Authorities (RMAs) – Organisations that have a key role in flood and coastal erosion risk management as defined by the Act. There are the Environment Agency, Natural Resources Wales, Lead Local Flood Authorities, district councils where there is no unitary authority, internal drainage boards, water companies, and highways authorities.

River Basin District (RBD) – These are the reporting units to the European Commission for the Water Framework Directive and the Floods Directive.

RBMP – River Basin Management Plan – Plan required by the European Water Framework Directive.

River Flooding – Occurs when water levels in a channel overwhelm the capacity of the channel.

S

SEA – Strategic Environmental Assessment.

SMP – Shoreline Management Plan.

Surface Water Flooding – Flooding from any precipitation which has not entered a watercourse, drainage system or public sewer.

W

WFD – Water Framework Directive.

WG – Welsh Government.