



DRAFT DONEGAL COUNTY DEVELOPMENT PLAN 2024-2030

Strategic Flood Risk Assessment

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Donegal County Council County Development Plan

Draft Strategic Flood Risk Assessment

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Author:..... Elaine Cogley

Checker: Warren Vokes

Approver:..... John Paul Rooney

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Donegal County Council County Development Plan

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1. INTRODUCTION

1.1 Commission

Roughan & O'Donovan Consulting Engineers (ROD) was commissioned by Donegal County Council (DCC) to prepare a Strategic Flood Risk Assessment to supplement the preparation process and review of the Donegal County Development Plan 2024-2030. The Development Plan will shape the future growth of the County over the 6-year period of the plan and beyond.

1.2 Scope

The scope of this report is as follows:

- Provide an assessment/identification of flood risk for the Development Plan area in accordance with "*The Planning System and Flood Risk Management – Guidelines for Planning Authorities*" (The Guidelines), 2009, published by the Department for the Environment, Heritage and Local Government and the Office of Public Works (OPW).
- Undertake a Flood Risk Assessment Report assessing the hydrology and hydraulics and determining mechanisms of flooding in the Development Plan area, taking into account anticipated future increases in rainfall, river flows and sea level rise as a result of climate change.
- Provide recommendations for future flood risk assessments for proposed developments and planning applications, in accordance with The Guidelines.
- A Strategic Flood Risk Assessment is being prepared as part of the Letterkenny Local Area Plan and therefore a Stage 2 Initial Flood Risk Assessment does not form part of this assessment.
- Strategic Flood Risk Assessments were previously carried out for the towns of An Clochán Liath (Dungloe), Ballyshannon, Carndonagh, Donegal Town, Killybegs and Bridgend as part of the Seven Strategic Town Local Area Plan and therefore a Stage 2 Flood Risk Assessment does not form part of this assessment.

A Stage 1 Flood Risk Identification has been undertaken to identify any flooding or surface water management issues within the County that may warrant further investigation. As part of this stage the most up to date available data at the time of preparation was acquired from the Office of Public Works (OPW) and Donegal County Council. Flood risk information has enabled DCC to apply 'The Guidelines' sequential approach, and where necessary the Justification Test, to appraise sites for suitable land zonings and identify how flood risk can be managed as part of the development plan.

Although great care and modern widely accepted methods have been used in the preparation and interpretation of flood risk areas, there is inevitably a range of inherent uncertainties and assumptions made during the estimation of design flows and the construction of flood models. The inherent uncertainty necessitates a precautionary approach when interpreting flood extent mapping.

1.3 Study Area

The study area comprises the lands and settlements within Donegal County as shown in Figure 1-1 below. Donegal County Council has categorised settlements within the county into four "layers" within a settlement hierarchy: Layer 1, Layer 2A, Layer 2B and Layer 3. Layer 1 is comprised of three settlements, layer 2A is

comprised of six settlements, layer 2B is comprised of eighteen settlements and layer 3 is comprised of thirty settlements.

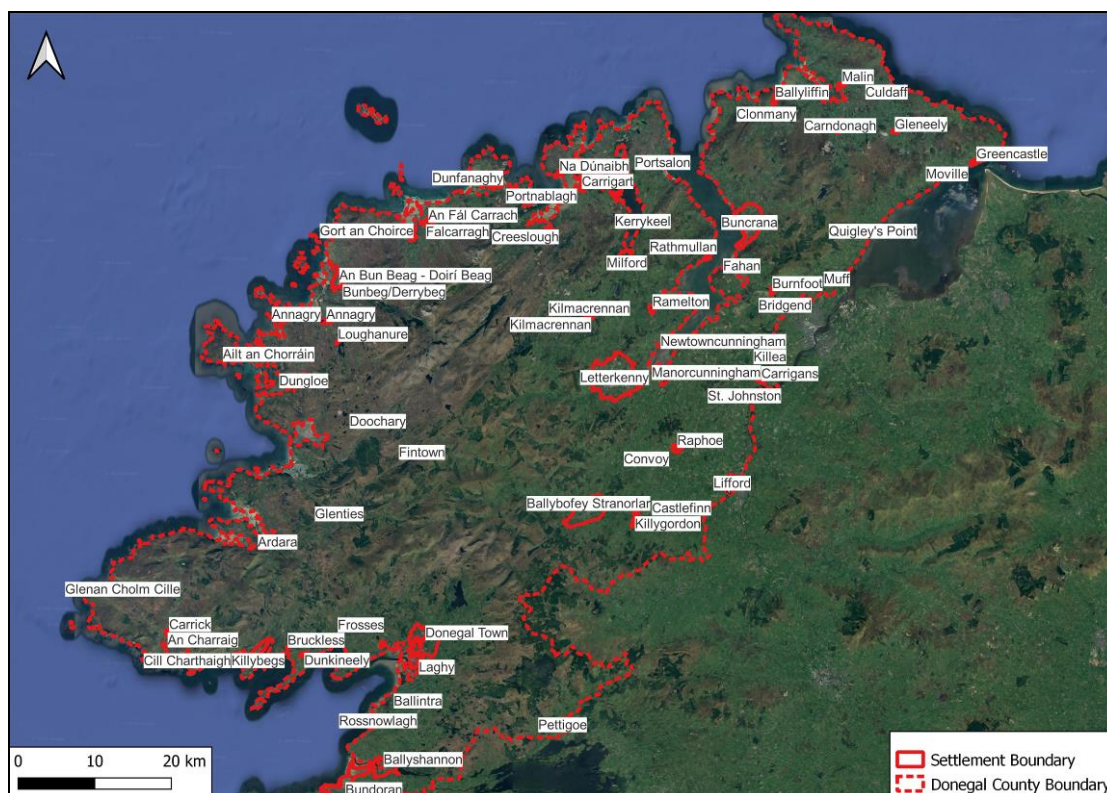


Figure 1-1 Donegal County Development Plan lands (© Google Satellite)

1.4 Catchment Description

The Development Plan area lies within six Hydrometric Areas as defined by the OPW; 01 Foyle, 36 Erne, 37 Donegal Bay North, 38 Gweebarra-Sheephaven, 39 Lough Swilly and 40 Donagh-Moville and contains catchments of the following key rivers: the Foyle, the Swilly and the Erne. The general topography of the county means all major watercourses within the county flow in a radial pattern from the uplands in the centre and northwest of the county to the coast. The major catchments are outlined in Figure 1-2 below.

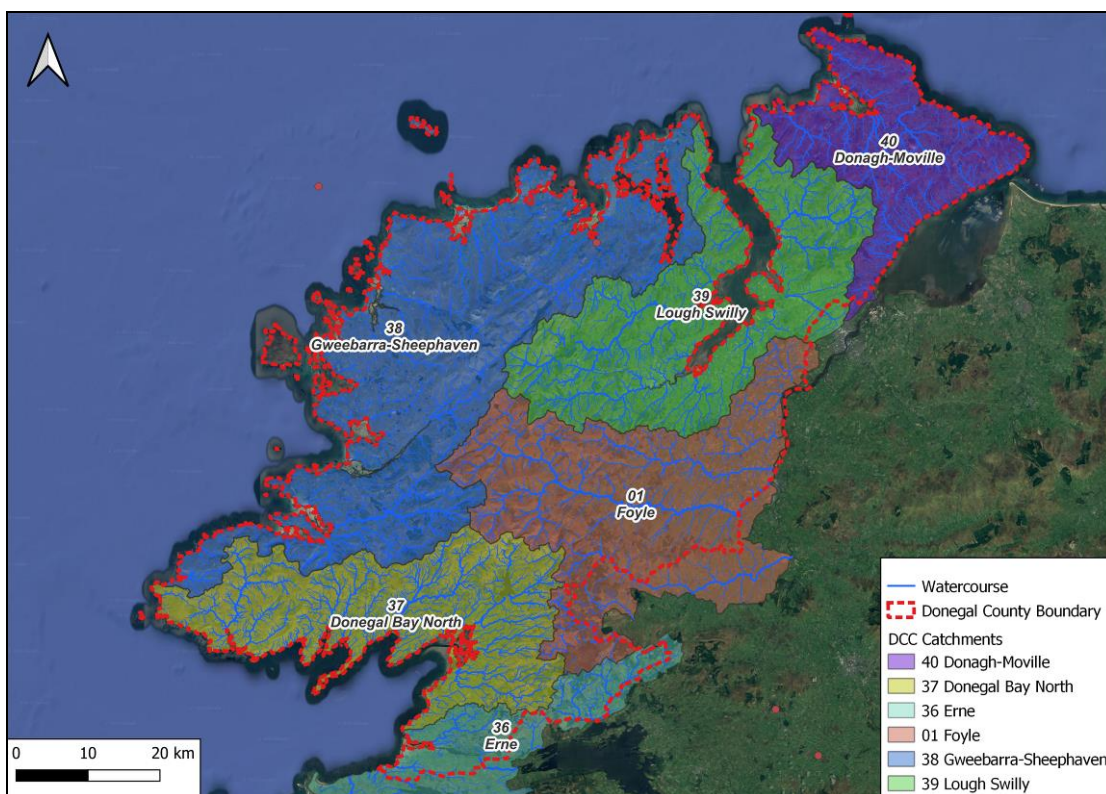


Figure 1-2 Watercourses and catchments within Donegal County (© Google Satellite)

1.5 Existing Land Use Zoning

The study area of Donegal County Council currently comprises 12 different zoning objectives as per the Draft Development Plan and are shown in Table 1-1 below.

Table 1-1 DCC Land Use Zoning Objectives from Development Plan 2018-2024 relating to the Settlement Framework Maps

Zoning	Abbreviation	Objective
Urban Core	UC	To sustain and strengthen town centres as the core for commercial, retail, cultural and community life
New Residential	NRES	To reserve land primarily for new residential development
Established Development	ED	To sustain and strengthen the existing development for commercial, retail, industrial and residential use
Open Space and Recreation	OSR	To reserve and enhance land for open space purposes, and to make provision for new recreation, leisure and community facilities
Caravan Park	CP	To reserve and enhance land for the use as a Caravan Park and ancillary services.
High Amenity	HA	To reserve and enhance land for formal and informal amenity and open space purposes, and to make provision for new recreation, leisure and community facilities
Community Infrastructure	CI	To reserve land for provision of community infrastructure, utilities and services

Zoning	Abbreviation	Objective
Opportunity Site	OPS	To provide for specific development opportunities that are appropriate in terms of mix of use and compatibility with the wider area whilst recognising features of importance that are specific to the site
Business / Enterprise	BE	To provide for the creation and protection of enterprise and facilitate opportunities for employment creation.
Tourism	T	To reserve land for tourism related activities
Settlement Consolidation Sites	SCS	SCS sites assist in the wider regeneration of the existing built-up area with the potential to deliver significant housing provision or commercial, employment and or mixed use development.
Strategic Residential Reserve	SRR	To reserve land primarily for residential development
Regeneration	REGEN	To facilitate enterprise and/or residential-led. regeneration subject to a development framework or plan for the area incorporating phasing. and infrastructure delivery
Rural / Agricultural	RA	To reserve and enhance land for rural and agricultural purposes

2. METHODOLOGY

2.1 Introduction

This report has been prepared in accordance with 'The Planning System and Flood Risk Management Guidelines for Planning Authorities' herein referred to as 'The Guidelines' as published by the Office of Public Works (OPW) and Department of Environment, Heritage and Local Government (DoEHLG) in 2009.

2.2 Definition of Flood Risk

Flood risk is a combination of the likelihood of a flood event occurring and the potential consequences arising from that flood event and is then normally expressed in terms of the following relationship:

Flood risk = Likelihood of flooding x Consequences of flooding.

To fully assess flood risk an understanding of where the water comes from (i.e. the source), how and where it flows (i.e. the pathways) and the people and assets affected by it (i.e. the receptors) is required. Figure 2-1 below shows a source-pathway-receptor model reproduced from 'The Guidelines'.

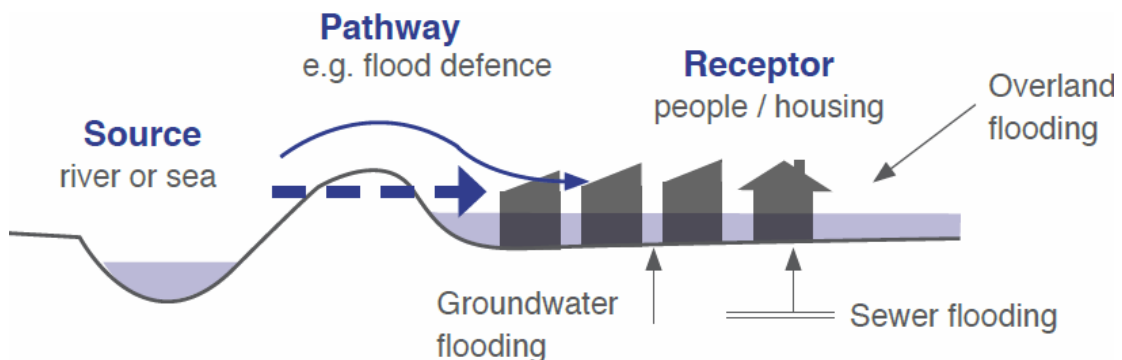


Figure 2-1 Source-Pathway-Receptor Model

The principal sources of flooding are rainfall or higher than normal sea levels. The principal pathways are rivers, drains, sewers, overland flow and river and coastal floodplains. The receptors can include people, their property and the environment. All three elements as well as the vulnerability and exposure of receptors must be examined to determine the potential consequences.

2.3 Likelihood of Flooding

The Guidelines define the likelihood of flooding as the percentage probability of a flood of a given magnitude or severity occurring or being exceeded in any given year. It is generally expressed as a return period or annual exceedance probability (AEP). A 1% AEP flood indicates a flood event that will be equalled or exceeded on average once every hundred years and has a return period of 1 in 100 years. Annual Exceedance Probability is the inverse of return period as shown in Table 2-1 below.

Table 2-1 Correlation between return period and AEP

Return Period (years)	Annual Exceedance Probability (%)
1	100
10	10
50	2

Return Period (years)	Annual Exceedance Probability (%)
100	1
200	0.5
1000	0.1

2.4 Definition of Flood Zones

Flood zones are geographical areas within which the likelihood of flooding is in a particular range and are split into three categories in The Guidelines:

Flood Zone A

Flood Zone A where the probability of flooding from rivers and the sea is highest (greater than 1% or 1 in 100 for river flooding or 0.5% or 1 in 200 for coastal flooding).

Flood Zone B

Flood Zone B where the probability of flooding from rivers and the sea is moderate (between 0.1% or 1 in 1000 and 1% or 1 in 100 for river flooding and between 0.1% or 1 in 1000 and 0.5% or 1 in 200 for coastal flooding);

Flood Zone C

Flood Zone C where the probability of flooding from rivers and the sea is low (less than 0.1% or 1 in 1000 for both river and coastal flooding. Flood Zone C covers all plan areas which are not in zones A or B.

It is important to note that when determining flood zones, the presence of flood protection structures should be ignored. This is because areas protected by flood defences still carry a residual risk from overtopping or breach of defences and the fact that there is no guarantee that the defences will be maintained in perpetuity.

2.5 Objectives and Principles of the Planning Guidelines

The principle actions when considering flood risk are set out in the planning guidelines and are summarised below:

- *“Flood hazard and potential risk should be determined at the earliest stage of the planning process...”*
- *“Development should preferentially be located in areas with little or no flood hazard thereby avoiding or minimising the risk...”*
- *“Development should only be permitted in areas at risk of flooding when there are no alternatives, reasonable sites available...”*
- *“Where development is necessary in areas at risk of flooding an appropriate land use should be selected”*
- *A precautionary approach should be applied, where necessary, to reflect uncertainties in flooding datasets and risk assessment techniques...”*
- *“Land required for current and future flood management... should be proactively identified...”*
- *“Flood risk to, and arising from, new development should be managed through location, layout and design incorporating Sustainable Drainage Systems (SuDS) and compensation for any loss of floodplain...”*

- *Strategic environmental assessment (SEA) of regional planning guidelines, development plans and Masterplans should include flood risk as one of the key environmental criteria...*

2.6 The Sequential Approach and Justification Test

The Guidelines outline the sequential approach that is to be applied to all levels of the planning process. This approach should also be used in the design and layout of a development and the broad philosophy is shown in Figure 2-2 below. In general, development in areas with a high risk of flooding should be avoided as per the sequential approach. However, this is not always possible as many town and city centres are within flood zones and are targeted for development.



Figure 2-2 Sequential Approach (The Guidelines)

The Justification Test has been designed to rigorously assess the appropriateness, or otherwise, of developments that are being considered in areas of moderate or high flood risk. The test comprises the following two processes.

- The first is the Plan-making Justification Test and is used at the plan preparation and adoption stage where it is intended to zone or otherwise designate land which is at moderate or high risk of flooding.
- The second is the Development Management Justification Test and is used at the planning application stage where it is intended to develop land at moderate or high risk of flooding for uses or development vulnerable to flooding that would generally be inappropriate for that land.

Table 2-2 below illustrates the types of development that would be required to meet the Justification Test.

Table 2-2 Matrix of Vulnerability Versus Flood Zone to Illustrate Appropriate Development and that Required to Meet the Justification Test (The Guidelines)

Vulnerability Class (The Guidelines section 3.5)	Flood Zone A	Flood Zone B	Flood Zone C
Highly vulnerable development (including essential infrastructure)	Justification Test	Justification Test	Appropriate

Vulnerability Class (The Guidelines section 3.5)	Flood Zone A	Flood Zone B	Flood Zone C
Less vulnerable development	Justification Test	Appropriate	Appropriate
Water-compatible development	Appropriate	Appropriate	Appropriate

2.7 Zoning Vulnerability Classification

The zonings proposed as part of the Draft County Development Plan have been classified with regard to their vulnerability in accordance with the Guidelines. This is presented in Table 2-3 below.

Table 2-3 Proposed Zoning Vulnerability

Zoning	Vulnerability Class	Land uses and types of development which include*:
Urban Core (UC), New Residential (NRES), Established Development (ED), Caravan Park (CP), Strategic Residential Reserve (SRR), Community Infrastructure (CI), Settlement Consolidation Sites (SCS)	Highly vulnerable development (including essential infrastructure)	<ul style="list-style-type: none"> • Garda, ambulance and fire stations and command centres required to be operational during flooding; • Hospitals; • Emergency access and egress points; • Schools; • Dwelling houses, student halls of residence and hostels; • Residential institutions such as residential care homes, children's homes and social services homes; • Caravans and mobile home parks; • Dwelling houses designed, constructed or adapted for the elderly or, other people with impaired mobility; and • Essential infrastructure, such as primary transport and utilities distribution, including electricity generating power stations and sub-stations, water and sewage treatment, and potential significant sources of pollution (SEVESO sites, IPPC sites, etc.) in the event of flooding.
Opportunity Site (OS), Business / Enterprise (BE), Tourism (T)	Less vulnerable development	<ul style="list-style-type: none"> • Buildings used for: retail, leisure, warehousing, commercial, industrial and non-residential institutions; • Land and buildings used for holiday or short-let caravans and camping, subject to specific warning and evacuation plans; • Land and buildings used for agriculture and forestry; • Waste treatment (except landfill and hazardous waste); • Mineral working and processing; and • Local transport infrastructure.

Zoning	Vulnerability Class	Land uses and types of development which include*:
Open Space and Recreation (OSR), High Amenity (HA), Rural/Agricultural (RA)	Water compatible development	<ul style="list-style-type: none"> • Flood control infrastructure; • Docks, marinas and wharves; • Navigation facilities; • Ship building, repairing and dismantling, dockside fish processing and refrigeration and compatible activities requiring a waterside location; • Water-based recreation and tourism (excluding sleeping accommodation); • Lifeguard and coastguard stations; • Amenity open space, outdoor sports and recreation and essential facilities such as changing rooms; and • Essential ancillary sleeping or residential accommodation for staff required by uses in this category (subject to a specific warning and evacuation plan).
*Uses not listed here should be considered on their own merits		

2.8 Climate Change

Climate change adaption and resilience will most likely become the fundamental consideration for strategic planning in the coming decades. Climate Change as a result of human activities is occurring and is going to continue for centuries to come. The likely result of climate change in the West of Ireland Include:

- Sea level rise,
- Increase in the duration of summer with more frequent droughts,
- More intense storms and rainfall events,
- Increased likelihood and magnitude of river and coastal flooding, and
- Adverse impacts on water quality,
- Changes in distribution of plant and animal species.

Nonetheless, properly managed the potential challenge may provide the catalysis for an integrated approach to environmental stewardship that archives long term suitability goals at diverse scales ranging from local community investiture to satisfying our international obligations. With the knowledge of what we as a society may face in the future, land use planning policies can be developed which are mindful of current management practices. As such, an appraisal of the potential impacts of climate change was carried out as part of the Strategic Flood Risk Assessment with regard to the OPW climate change parameters stated in the Flood Risk Management Climate Change Sectoral Adaptation Plan (2019), also international best practice within other European jurisdictions and the latest scientific studies. OPW climate change allowances are stated in Table 2-4 below.

Table 2-4 Allowances in Flood Parameters for Mid-Range and High-End Future Scenarios

Parameter	MRFS	HEFS
Extreme Rainfall Depths	+ 20%	+ 30%
Peak Flood Flows	+ 20%	+ 30%
Mean Sea Level Rise	+ 500 mm	+ 1000 mm
Land Movement	- 0.5 mm / year ¹	- 0.5 mm / year ¹
Urbanisation	<i>No General Allowance – Review on Case-by-Case Basis</i>	<i>No General Allowance – Review on Case-by-Case Basis</i>
Forestation	- 1/6 Tp ²	- 1/3 Tp ² + 10% SPR ³

Note 1: Applicable to the southern part of the country only (Dublin – Galway and south of this)

Note 2: Reduction in the time to peak (Tp) to allow for potential accelerated runoff that may arise as a result of drainage of afforested land

Note 3: Add 10% to the Standard Percentage Runoff (SPR) rate: This allows for temporary increased runoff rates that may arise following felling of forestry.

There is an increasing likelihood that Irelands climate will be similar to that depicted in the High-End Future climate change scenario by the year 2100. Therefore, it is prudent to consider the HEFS parameters when planning for vulnerable infrastructure and developments. This approach will also assist in achieving our obligations under the Water Framework Directive (WFD). The OPW is currently transitioning to regional based climate models that reflect the likely varied impacts throughout the island of Ireland. This is likely to be implemented during the lifetime of the proposed county development plan.

3. STAGE 1 - FLOOD RISK IDENTIFICATION

3.1 General

This Flood Risk Identification phase includes a review of the existing information and the identification of any flooding or surface water management issues within Donegal County that may warrant further investigation.

3.2 Sources of Flooding

Flooding from Fluvial & Sea Level Rises / Coastal Flooding

Much of the Irish landscape is defined by the interface between land, rivers and coastlines. For the majority of the time this interface is largely static along historic riverbanks and coastal areas. However, the processes that creates these zones primarily result from extreme events and as such flooding can be seen as a natural process that the landscapes we live in. Issues arise when development occurs within natural floodplains creating elevated risk. The primary pathway for fluvial and coastal flooding is simple bank overtopping or storm surges causing extreme tidal inundation. Flooding can be exacerbated when structures such as bridge crossings are inadequately sized or when development happens within the floodplain displacing flood waters.

Surface Water Flooding

Surface water flooding occurs when the local drainage system cannot convey stormwater flows from extreme rainfall events. The rainwater does not drain away through the normal drainage pathways or infiltrate into the ground but instead ponds on or flows over the ground instead. Surface water flooding is unpredictable as it depends on several factors including ground levels, rainfall and the local drainage network.

Groundwater Flooding

Ground water flooding is a result of upwelling in occurrences where the water table or confined aquifers rises above the ground surface. This tends to occur after long periods of sustained rainfall and/or very high tides. High volumes of rainfall and subsequent infiltration to ground will result in a rising of the water table. Groundwater flooding tends to occur in low-lying areas, where with additional groundwater flowing towards these areas, the water table can rise to the surface causing groundwater flooding.

Pluvial Flood Risk

Pluvial flooding results from heavy rainfall that exceeds ground infiltration capacity or more commonly in Ireland where the ground is already saturated from previous rainfall events. This causes ponding and flooding at localised depressions. Pluvial flooding is commonly a result of changes to the natural flow regime such as the implementation of hard surfacing and improper drainage design.

3.3 Information Sources Consulted

The following information sources were consulted as part of the Flood Risk Identification:

Predictive Flood Maps and Flood Hazard Records

(i) OPW Preliminary Flood Risk Assessment (PFRA)

The PFRA is a national screening exercise to identify the areas where there may be a significant risk associated with flooding (referred to as Areas for

Further Assessment or AFA's). As part of the PFRA study, maps of the country were produced showing the indicative fluvial, coastal, pluvial and groundwater flood extents.

In the past, PFRA maps have been used to largely identify flood zones and flood locations for the Development Plan area. They were used for a broad assessment to help identify areas where flood risk should be explored in greater detail.

Confidence: Low - these maps have limitations as any local errors in the LiDAR derived digital terrain model (DTM) were not filtered out, local channel works were not included, flood defences were excluded and channel structures were not considered. The PFRA has been superseded by the CFRAM and National Indicative Fluvial Mapping.

3.3.1 Catchment Flood Risk Assessment and Management Study (CFRAMS)

The CFRAMS programme led by the OPW, provides a detailed assessment of flooding in areas identified as AFA's during the PFRA study. All of the main watercourses within urban areas were considered as part of the CFRAMS programme. Catchment wide Flood Risk Management Plans were also developed as part of the programme.

The CFRAMS flood mapping highlights areas of historic flood risk as well as the impact of key hydraulic constraints along the subject watercourses. The CFRAMS flood extent mapping is seen as the most detailed appraisal of flood risk for the majority of the watercourses within Donegal and forms the basis for much of this assessment.

Confidence: High – The hydraulic assessments and modelling undertaken as part of the CFRAMS are the “best available” and are generally appropriate to inform strategic planning decisions. Nonetheless, the CFRAMS are to be reviewed and supplemented as necessary as part of any development level detailed Site-Specific Flood Risk Assessment.

3.3.2 National Coastal Flood Hazard Mapping (NCFHM)

The estimated extreme water level outputs from Phase 1 of the Irish Coastal Wave and Water Level Modelling Study (ICWWS 2018), relative to OD Malin OSGM02, were used as the input water level data for the project. The aim of this project is to produce updated national scale coastal flood extent and depth maps for the present-day scenario and climate change scenarios.

Confidence: High – The hydraulic assessments and modelling undertaken as part of the NCFHM are the “best available” and are generally appropriate to inform strategic planning decisions. Nonetheless, the NCFHM are to be reviewed and supplemented as necessary as part of any development level detailed Site-Specific Flood Risk Assessment.

3.3.3 National Indicative Fluvial Mapping (NIFM)

The NIFM project covers 27,000km of watercourse, separated into 37 drainage areas and 509 sub-catchments. The key objectives of the project were to provide improved flood mapping outside the AFAs and to account for Climate Change. The project delivered higher quality flood maps, improving on the outputs of the first cycle PFRA outside the CFRAM modelled extents. The NIFM project has mapped fluvial flood hazard across all subject watercourses having a catchment area of greater than 5km².

Confidence: Medium - The National Indicative Fluvial Maps are high level assessment of flood risk in generally rural environs and are not as accurate as the flood maps produced under the CFRAMS or NCFHM programmes. The maps should not be used to assess the flood risk associated with individual properties or be the sole basis for a detailed site-specific flood risk assessment. The NIFM has been used as the basis of defining flood zones where neither the CFRAMS nor NCFHM is available. Settlements where a portion of the flood extent mapping is derived from NIFM are listed in Table 3-1 below. Any development proposed within these settlements shall be subject to a site-specific flood risk assessment in accordance with the OPW Guidelines to confirm flood risk on site.

Table 3-1 Settlements where a portion of the flood extent mapping is derived from NIFM

Settlement	Settlement Hierarchy
An Charraig	Layer 2B
An Fál Carrach	Layer 2B
Ballintra	Layer 3
Carrigans	Layer 3
Cill Charthaigh	Layer 3
Culdaff	Layer 3
Doochary	Layer 3
Drumkeen	Layer 3
Gleneely	Layer 3
Gort an Chorce	Layer 3
Killygordon	Layer 3
Kilmacrennan	Layer 3
Laghy	Layer 3
Muff	Layer 3
Newtowncunningham	Layer 3
Pettigoe	Layer 3
Portsalon	Layer 3
Quigley's Point	Layer 3
St. Johnston	Layer 3

3.3.4 Arterial Drainage Schemes and Drainage Districts

Under the Arterial Drainage Act, 1945 the OPW undertook a number of arterial drainage schemes to improve land for agricultural production. The OPW has a statutory duty to maintain these schemes, which is delivered through their arterial drainage maintenance programme. The OPW does not have powers to undertake river or channel maintenance other than where these rivers form part of an arterial drainage scheme or flood relief schemes.

Drainage Districts were carried out by the Commissioners of Public Works under a number of drainage and navigation acts from 1842 to the 1930s to improve land for agriculture and to mitigate flooding. Local authorities are charged with responsibility to maintain Drainage Districts. The Arterial Drainage Act, 1945 contains a number of

provisions for the management of Drainage Districts in Part III and Part VIII of the act.

The OPW Drainage maps show a relatively small proportion of the county overall has been subject to drainage schemes. Drainage schemes within the county are listed in Table 3-2 below.

Confidence: Low – Mapping is primarily derived from anecdotal evidence. Superseded by the data sources listed above where available. Nonetheless, can be indicative of significant and recurring flood events.

Table 3-2 Drainage Schemes within Donegal

Scheme	Scheme Type
Abby	Arterial Drainage Scheme
Ballasallagh (Ray River)	Drainage District
Blanket Nook	Arterial Drainage Scheme
Burnfoot/Skeoge	Arterial Drainage Scheme
Carrigans	Drainage District
Carrowcannon(Rayriver)	Drainage District
Cloonburn	Arterial Drainage Scheme
Deel and Swillyburn	Arterial Drainage Scheme
Portsalon & Duntinny	Drainage District
Swilly Oldtown Newmills	Arterial Drainage Scheme
Swilly Embankments	Arterial Drainage Scheme
Swilly Big Isle	Arterial Drainage Scheme

3.3.5 OPW National Flood Hazard Mapping

The OPW National Flood Hazard Mapping Web Site, www.floodmaps.ie, was examined to identify any recorded flood events within and in the Development Plan lands. Recurring events have been recorded throughout the plan lands.

Confidence: Data confidence varies between records but can be indicative of significant and recurring flood events

3.3.6 GSI Groundwater Historic and Probability Flood Mapping

The Historic Groundwater Flood Map shows the observed peak flood extents caused by groundwater in Ireland. The mapping was produced using satellite images, field data, aerial photos, as well as flood records of past flood events. Most of the data was collected during the flood events of winter 2015 / 2016, as in most areas this data showed the largest floods on record. The flood extents were calculated using data and techniques with various precision levels, and as such, it may not show the true historic peak flood extents.

The Groundwater Flooding Probability mapping shows the expected flood extent of groundwater flooding in limestone regions in various return periods. The mapping was created using groundwater levels measured in the field, satellite images and hydrological models.

Overall, indicators of groundwater flooding were limited within the county with a notable hotspot in the rural hinterland of Bundoran and Ballyshannon which

corresponds with Donegal's predominant karst formation. Groundwater flooding is not seen as a significant issue as it has not been found to affect any settlements directly.

Confidence: Medium - The flood extents were calculated using remote sensing data and hydrological modelling techniques with various precision levels. As such, it should be used with caution.

3.3.7 Flood Relief Schemes within Donegal County

Any planning decisions should also be cognisant of future flood alleviation works in the catchment. Schemes currently being progressed and proposed schemes are detailed in Table 3-3 below.

Table 3-3 Future Flood Relief Schemes

Settlement	Status	Outline
Ballybofey / Stranorlar	Stage I: Scheme Development and Preliminary Design	The proposed Ballybofey (Stranorlar)/ Bealach Féich / Srath an Urláir Flood Relief Scheme may include hard defences and improvement of channel conveyance. Flood embankments and walls would protect properties by the River Finn and it's tributaries. The proposed scheme is expected to provide protection to the 1% AEP flood event.
Benbeg and Derrybeg	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Undertake a Detailed Assessment of the Proposed Flood Relief Scheme
Buncrana & Luddan	Stage I: Scheme Development and Preliminary Design	The proposed Buncrana & Luddan Flood Relief Scheme may include of a series of sea walls, flood embankments and flood walls. The hard defences are expected to provide a Standard of Protection (SoP) of 0.5% AEP for coastal flood events, and an SoP of 1% AEP for fluvial flood events.
Burnfoot	Stage I: Scheme Development and Preliminary Design	The proposed Burnfoot Flood Relief Scheme may include flood embankments and urban walls. The hard defences are expected to provide protection to the 1% AEP flood event.
Cardonagh	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Carndonagh
Carrowkeel	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Carrowkeel
Castlefin	Stage I: Scheme Development and Preliminary Design	The proposed Castlefin Flood Relief Scheme may include a series of flood embankments and walls. These hard defences would protect to the 1% AEP fluvial event.
Convoy	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Undertake a Detailed Assessment of the Proposed Flood Relief Scheme
Donegal Town	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Donegal

Settlement	Status	Outline
Downies	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Downies
Dunfanaghy	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Dunfanaghy
Glenties	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Glenties
Killybegs	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Killybegs
Letterkenny	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Letterkenny
Lifford	Stage I: Scheme Development and Preliminary Design	The proposed Lifford Flood Relief Scheme may include a series of flood embankments and walls. These Hard Defences are expected to provide protection to the 1% AEP fluvial event.
Moville	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Undertake a Detailed Assessment of the Proposed Flood Relief Scheme
Ramelton	Stage I: Scheme Development and Preliminary Design	The proposed Ramelton Flood Relief Scheme may include a series of flood embankments with revetment protection, walls, demountable barriers along the quays and a flood gate located on Shore Road. These hard defences are expected to provide protection to the 0.5% AEP coastal event and 1% AEP fluvial flood event.
Raphoe	Stage II: Public Exhibition / Confirmation	The proposed Raphoe Flood Relief Scheme includes construction of two open diversion channels with clay embankments, one to the north and one to the west of Raphoe Town. The proposed scheme is expected to provide protection against the 100-year flood (1% Annual Exceedance Probability)
Rathmullan	Proposed as part of the Flood Risk Management Plan for the North Western River Basin	Progress the development of a Flood Relief Scheme for Rathmullan

In addition to the major works listed above an additional forty-six (no.46) minor schemes within Donegal have received funding through the Minor Flood Mitigation Works and Coastal Protection Scheme introduced by the Office of Public Works in 2009. The full list of projects is available at: <https://www.floodinfo.ie/minor-works/> .

3.4 Flood Zone Mapping

Donegal County is susceptible to several types of flood risk. Flood zone extent mapping has been prepared (presented in Appendix A) in accordance the Planning System and Flood Risk Assessment Guidelines identifying Flood Zones A, B and C.

The flood zone maps are primarily derived from the CFRAMS and NCFHM mapping. These maps are the most comprehensive flood maps produced for Donegal since the introduction of the Guidelines and the Floods Directive. Flood extent mapping for areas that are not covered in the CFRAM or NCFHM Studies are supplemented by fluvial mapping from the NIFM Assessment.

3.5 Flood Risk Identification Summary

In accordance with The Guidelines the sources of flooding within Donegal County have been identified. The findings of the stage 1 assessment indicate that multiple settlements within the development plan area are at risk of flooding. Therefore, in accordance with The Guidelines (OPW 2009), a Stage 2 flood risk assessment should be carried out.

4. STAGE 2 – INITIAL FLOOD RISK ASSESSMENT

4.1 General

A Stage 2 SFRA (initial flood risk assessment) was undertaken to:

- Confirm the sources of flooding that may affect settlements within Donegal County;

4.2 Identification of Key Areas at Risk of Flooding

Flood Risk is summarised with regard to each settlement appraised below.

4.2.1 Layer 1 Settlements

Buncrana

Coastal flooding the 1 in 200 year event affects the western boundary of the settlement. Fluvial and coastal flooding emanates from the Mill [Donegal] River. Fluvial and coastal flooding deriving from the Crana River affect Cockhill Road, North and South of Causeway Road, the roundabout at Taobh an tSruthan and Pairc Mor. Fluvial and coastal flooding has been identified at Ballymacarry Lower, South of the Mill River and East of Lower main street.

A review of the proposed zonings within Buncrana was undertaken. All proposed zoning were seen to be appropriate as per the OPW Guidelines.

Bundoran

Coastal flooding is indicated all along the coastline south of Tullan Strand. Fluvial and coastal flooding affects south of Finner Road R267, Doran Park and 17-20 & 23-28 of Armada Cottages. Fluvial and coastal flooding deriving from the Bradoge River affects a portion of the settlement. The Church of Our Lady Star of the Sea Bundoran is located in Flood Zone B. Fluvial and coastal flooding affects the southern settlement boundary derived from the Drowes River affecting south of the National Road 15 to Magheracar and south of the Crest of the Wave Causeway.

A review of the proposed zonings within Bundoran was undertaken. All proposed zoning were seen to be appropriate as per the OPW Guidelines.

4.2.2 Layer 2A Settlements

Ballybofey & Stranorlar

Fluvial flooding is indicated at the north of the settlement deriving from Lough Alaan. Additionally fluvial flooding from the River Finn affects the centre of the settlement as well as The Cedars, Glen Water and Blue Cedars, Stranolar Recycling Centre to North of Navenny Street and Glenfin Road. Fluvial flooding deriving from the Burn Durnett river affects the south west of the settlement affecting dwellings along Sessiagh View.

A review of the proposed zonings within Ballybofey & Stranorlar was undertaken. Three (3no.) zoning were identified which are generally not in line with the sequential approach as described in the OPW Guidelines. Sources consulted indicate that a proportion of the zonings are within Flood Zone A/B. Two of these proposed zoning have had specific policies applied to ensure flood risk is appropriately managed. These zonings are *BS-CI-001* & *BS-NRES-002*. The specific policy considerations are detailed in Appendix B.

The third zoning (BS-BE-002) is generally only appropriate in Flood Zone B or C. However, a portion of the site is proposed within flood zone A as shown in Figure 4-1 below.

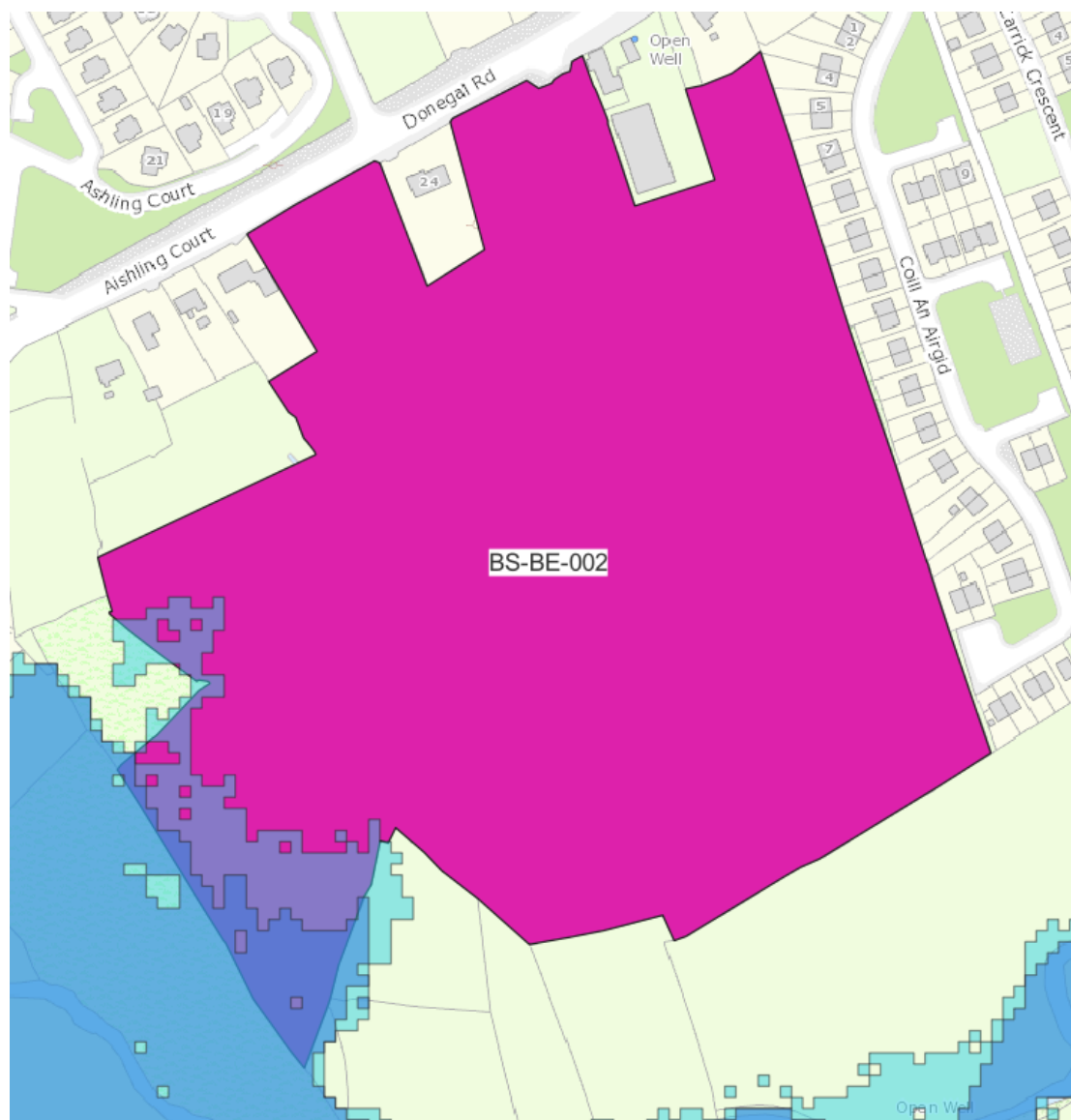


Figure 4-1 Flood risk effecting proposed zoning BS-BE-002

4.2.3 Layer 2B Settlements

Ailt an Chorráin (Burtonport)

Fluvial flooding emanating from the River Burtonport affects the western portion of the settlement along Sli Ailt an Chorrain (T) on the western coast in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Coastal flooding affects only the most southerly tip of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

An Bun Beag / Doirí Beag (Bunbeg / Derrybeg)

Coastal and fluvial flooding affect the north of the settlement overlapping along the Cateen River and the Srath_Caonach affecting L1273 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. In the south west of the settlement coastal and fluvial flooding along the Clady River in the

1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

An Charraig (Carrick)

Fluvial flooding deriving from the River Glen [Carrick] indicated through the centre of the settlement South of L1125 to the junction of R263 with L1115 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

An Fál Carrach (Falcarragh)

Fluvial flooding deriving from the Tullaghobegly River along a small portion (roughly 200m) of the West boundary of the settlement across the N56 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Ardara

Fluvial flooding along the Owentocker River through the centre of the settlement and along the south east of the settlement boarder within Flood Zone A. Indicated flooding affects areas zoned as 'Urban Core' and 'High Amenity'. Fluvial flooding in the 1 in 1000 year event extents to affect 31-38 Ard Na Gréine in the west of the settlement.

Ballyliffin

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Dunfanaghy

Coastal flooding affects a portion of the settlement. Fluvial flooding deriving from the Dunfanaghy River affects the east and north boundaries of the settlement, affecting a portion of the N56 and sites zoned as 'High Amenity' and 'Urban Core'.

Glenties

Fluvial flooding derived from the Stracashel River affects areas zoned as 'High Amenity' and 'Urban Core' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Gortnamucklagh_38 river affects the western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Gortnamucklagh_38 river extends across Clós Naomh Chonaill to join fluvial flooding derived from the Stracashel River in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. The proposed settlement boundary has been extended into the existing floodplain. The proposed change to the settlement area at risk of flooding is shown in Figure 4-2 below.

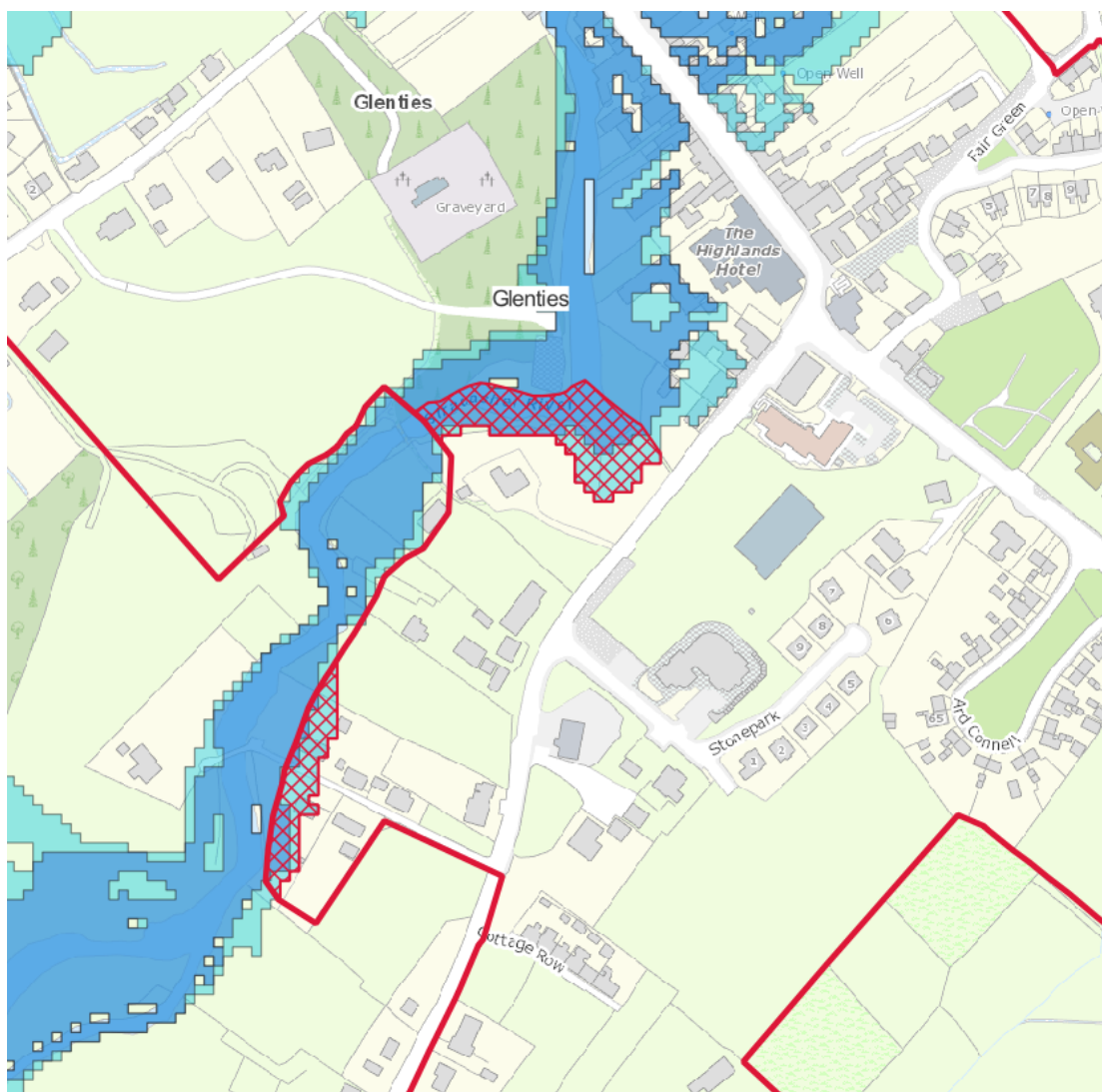


Figure 4-2 Glenties - Proposed change to settlement boundary and increased area at risk of flooding.

Greencastle

Fluvial flooding deriving from the Greencastle River along the coastal boundary of the settlement affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Lifford

Fluvial flooding deriving from the River Finn affecting areas zoned as 'High Amenity', 'Opportunity Sites', and 'Urban Core' affects a portion of the site in the north east and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

A review of the proposed zonings within Lifford was undertaken. One (1no.) zoning was identified which is not in line with the sequential approach as described in the OPW Guidelines. The proposed land use is generally inappropriate in areas vulnerable to flooding. The zoning is shown in Figure 4-3 below.

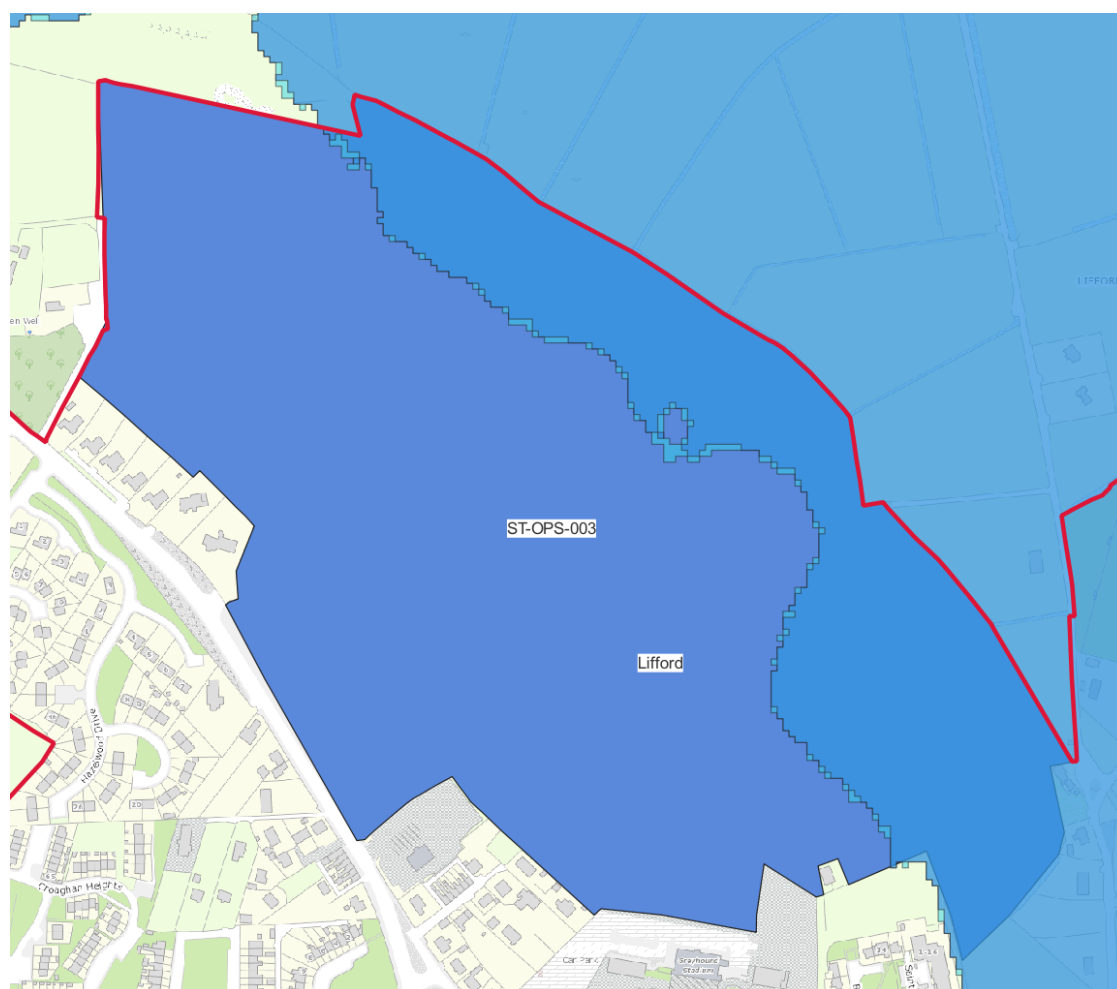


Figure 4-3 Flood risk effecting proposed zoning ST-OPS-003

Malin

Coastal flooding along the southern border of the settlement affects the Malin (Stream) in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from Malin (Stream) affects Millbrook Terrace in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Moville

Coastal Flooding affects areas zoned as 'High Amenity' and the Bredagh River in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding from the Bredagh River affects areas zoned in 2018 as 'High Amenity' along the Bredagh River and the southern border of the settlement along the coast in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

Ramelton

Coastal Flooding affects the Leannan River, areas zoned as 'High Amenity' on the north bank of the river. The Quays to North of Pound Street in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding deriving from the Leannan River, areas zoned as 'High Amenity' on the north bank of the river. The Quays and West of An Sruthan in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

Raphoe

Recurring flooding has been recorded in Raphoe (OPW National Flood Hazard Mapping) from overland flow emanating from the surrounding hills and minor streams within the town. No detailed flood extents mapping is currently available. However, a flood alleviation scheme for the town is currently being progressed.

4.2.4 Layer 3 Settlements

Annagry

Fluvial flooding deriving from the Loughanure river along the Glen Road and St Mary's View affects west of the centre of the settlement and areas currently zones in 2018 as 'High Amenity' along the north western settlement boundary in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Min_Doire_na_Slua extends to the north of the settlement in the 1 in 100 year fluvial, therefore, the lands are within Flood Zone A.

Ballintra

Fluvial flooding deriving from the Ballintra river (also known as the Blackwater River) affects part of the settlement, south of R231.

Bruckless

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Burnfoot

Fluvial flooding deriving from the Skeoge River and the river Brunfoot affects the north, west and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects south of the R238, houses in Líos Na Greíne and Páirc An Grianán in the 1 in 100 year fluvial or 1 in 200 year coastal event.

Carrigans

Fluvial flooding from the Burn River deriving from the River Foyle affecting dwellings in the South of L8481 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Carrigart

Fluvial flooding emanating from the Carrickart river affects the coast on the north western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Castlefinn

Fluvial flooding from the River Finn affecting the west of Chapel Street to the N15 and west of Raphoe Road to West of R235 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the River Finn affects from the N15 to Emmet Park in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.

Cill Charthaigh

Fluvial flooding deriving from the Glenaddaragh River affects west of Carrick Road and Lower Main Road to Towney Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Clonmany

Fluvial flooding deriving from the Clonmany River affects the south boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Clonmany River affects Riverside Park and the southern end of Clonmany Shamrocks FC in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.

Convoy

Fluvial flooding deriving from the Deelee River affecting South of Fountain Terrace, Convoy Reformed Presbyterian Church and areas zoned as 'High Amenity' along the south east and south west settlement boundaries in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects between Milltown and Beechwood Grove and North of Carrick Court in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Creeslough

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Culdaff

Fluvial flooding deriving from the Culdaff River affects West of St Bodens Terrace and North of Main Street in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Doochary

Fluvial flooding from Gweebarra River in Flood Zone A affects north of R252 along the settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from Gweebarra River affects north of Radharc an Séipeal in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.

Drumkeen

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Dunkineely

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Fahan

Fluvial flooding derived from the Carrontlieve River and the Glebe Large River and the Carrontlieve River affects a portion of the settlement in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Fintown

The southern boundary of the Fintown settlement runs parallel to the floodplain of the Fin river for approximately 1km. Nonetheless, no indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Frosses

Recurring flooding has been recorded in Frosses (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the guidelines should be undertaken when proposing any development within the settlement.

Gleann Cholm Cille

A section of the settlement lands is adjacent to the floodplain of the Murlin River. However, there are no indicators of coastal or fluvial flood risk within the existing settlement boundary. The settlement is therefore within Flood Zone C.

Gleneely

Fluvial flooding derived from the Culduff River affects the west of Fox Wood in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Gort an Choirce

Fluvial flooding from the Glenna River and Gortahork River as indicated along the north western settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Kerrykeel

Fluvial flooding deriving from the Burnside River affecting Ford Garden, Bun Na Druid affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Killea

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Killygordon

Fluvial flooding emanating from the River Finn and the Cross Roads (Stream) affects the south of the settlement South Creamery Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Kilmacrennan

Fluvial flooding from Lurgy River affects the N56 in the north west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Leannan River affects the South of Lennon View and the South of The Racecourse in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Laghy

Fluvial flooding deriving from the Laghy (Stream) affecting east of the N15, north of R232 and south Rathneeny Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Loughanure

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Manorcunningham

Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping is currently available.

Milford

Recurring flooding has been recorded in Milford (OPW record of part flood events). However, no details or flood extents are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within this settlement.

Mountcharles

No indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.

Muff

Fluvial flooding from the Liberty Bridge River affects areas zoned as 'Urban Core' in the south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Na Dúnaibh (Downings)

Coastal flooding affecting Downings Pier in the west and the east of the settlement, fluvial flooding in Flood Zone A deriving from the Rosepenna River affects east of R248 in the east of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Newtowncunningham

Coastal flooding in the north east of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the river Glar affects areas zoned as 'High Amenity' and 'Urban Core' in the south west of the settlement, along Long Ln. and the western boundary of the settlement, west of Monad Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

A review of the proposed zonings within Newtowncunningham was undertaken. One (1no.) zoning were identified which are not in line with the sequential approach as described in the OPW Guidelines. The proposed land use is generally inappropriate in areas vulnerable to flooding. There are alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk. This is shown in Figure 4-4 below.

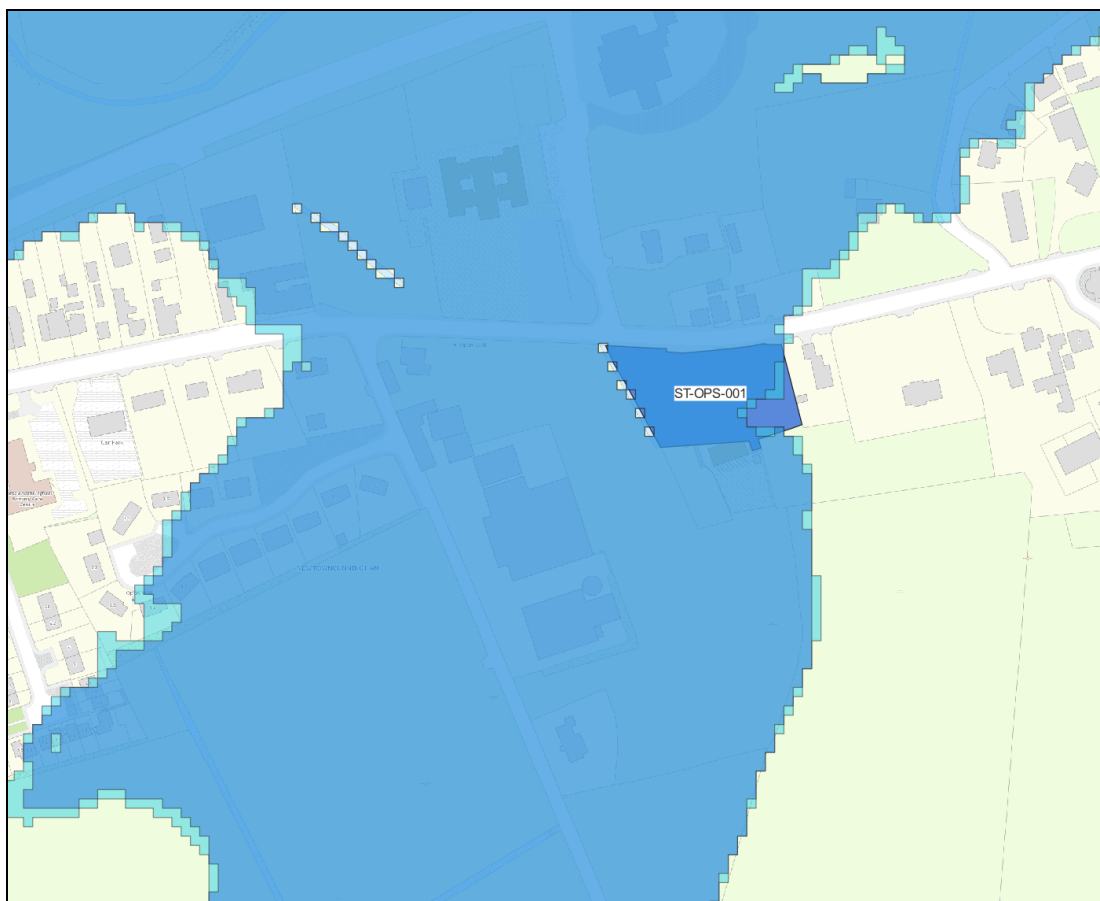


Figure 4-4 Flood risk effecting proposed zoning ST-OPS-001

Pettigoe

Fluvial flooding along the western boundary of the settlement along the Billary River affects east of the R233, northeast of the settlement and Mill Street.

Portnablagh

Fluvial flooding deriving from the Breaghy River affects the north of the settlement at Portnablagh Pier in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Portsalon

Fluvial flooding deriving from the Cashelpreaghan River affects south of The Fairways along the river and 'The Pier, Portsalon' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Quigley's Point

Fluvial flooding derived from the Bogstown River affects south of Quigleys Point Community Centre to north of Millbay Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The proposed settlement boundary has been extended into the existing floodplain. The proposed change to the settlement area at risk of flooding is shown in Figure 4-5 below.

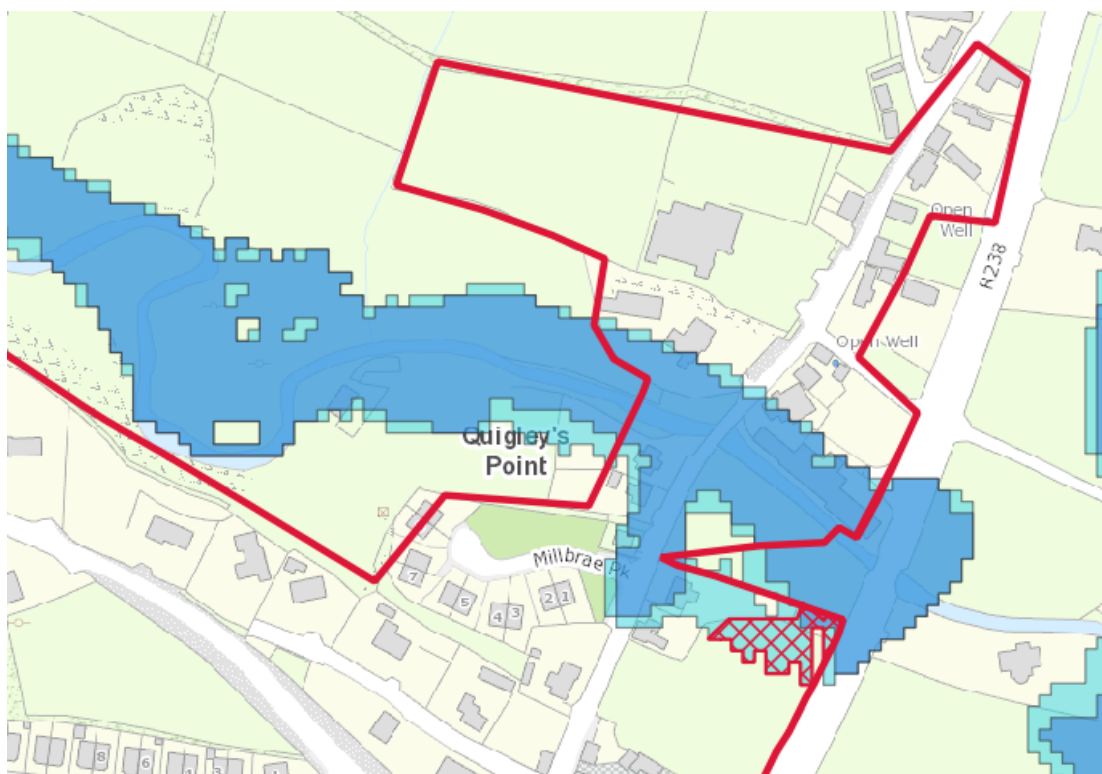


Figure 4-5 Quigley's Point - Proposed change to settlement boundary and increased area at risk of flooding.

Rathmullan

Coastal flooding along the coastal border of the settlement affecting Main Street in the South of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Aghavannan Near river affects north of R247 in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Mill Brook river affects to the west of Inch View in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

Rossnowlagh

Fluvial flooding along the coastal boundary of the settlement affects an area zoned as 'High Amenity' in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.

St. Johnston

Fluvial flooding deriving from the River Foyle and Johnston Stream in the east of the settlement affecting north of Main Street to Railway Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

4.3 Flood Risk Zoning Objectives

Flood Risk has been assessed throughout the county as part of the Strategic Flood Risk Assessment. The following summarises the key finding with regard to sustainable flood risk management within the county. ROD proposes that the consideration of climate change is key to the flood zoning strategy. As discussed in Section 2.8 above, there is an increasing likelihood that Ireland's climate will be similar to that depicted in the High-End Future climate change scenario by the year 2100. Wherever zoning is discussed it should be assumed that this is to include a HEFS climate change allowance.

The flood zone maps are largely derived from the CFRAMS and NCFHM mapping. These maps are the most comprehensive flood maps produced for Donegal since the introduction of the Guidelines and the Floods Directive. Flood extent mapping for areas that are not covered in the CFRAM or NCFHM Studies are supplemented by fluvial mapping from the NIFM Assessment. Flood zone mapping is presented in Appendix A.

Flood Risk Objectives and Policies:

Objectives

- To ensure that development does not give rise to unacceptable new flood risks, or does not exacerbate existing flood risk.

Policies

- It is a policy of the Council to only permit development where flood or surface water management issues can be successfully addressed and/or where there is no unacceptable residual flood risk for the development, its occupants and/or private property or public infrastructure elsewhere within the catchment. A precautionary approach shall be applied to the consideration of flood risk issues and shall include the application of the 'Avoid', 'Substitute', 'Justify' principles set out in the EU Floods Directive (2007/60/EC) and 'The Planning System and Flood Risk Management - Guidelines for Planning Authorities', November 2009, DoEHLG.
 - Where appropriate, applicants/developers shall be required to submit:
 - an independent 'Flood Risk Assessment' in accordance with the aforementioned Guidelines or any subsequent related publication and/or 'Surface Water Drainage Calculations', from suitably qualified persons; and
 - evidence of compliance with the Justification test set out in Section 5.15 of the aforementioned Guidelines or any subsequent related publication.
 - an assessment of the likely effects of climate change on flood risk. Reference should be made to climate change factors described in the OPW's 'Flood Risk Management Climate Change Sectoral Adaptation Plan' 2019 and any subsequent revisions.
- It is a policy of the Council to require the use of Sustainable Urban Drainage Systems (SUDs) including flood attenuation areas, wetlands, the controlled release of surface waters and use of open spaces and semi-permeable hard surfaces for urban development proposals. A Management Train should be incorporated during the design stage whereby surface water should be managed locally in small sub-catchments rather than being conveyed to and managed in large systems further down the catchment. Management trains for new developments should facilitate the construction of future SuDS components – to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.
- It is a policy of the Council to support the development of long and short-term flood remediation works, including embankments, sea defences, drainage channels, and attenuation ponds and wetlands, subject to environmental considerations including potential impact on designated shellfish water and, fresh water pearl mussel catchment areas, compliance with Article 6 of the Habitats Directive, best practice in Coastal Zone Management and the Marine Resource and Coastal Management policies of this Plan.
- It is a policy of the Council not to permit developments which would hinder the maintenance of river or drainage channels.

5. JUSTIFICATION TEST

5.1 Justification Test Criteria and Responses

The SFRA to inform the development plan has identified a several areas of elevated flood risk within the county as described in Section 4. In accordance with the Guidelines, the settlements and proposed zonings have been subject to a justification test. The criteria for the justification test are detailed below. The assessment of each settlement/zoning against the justification test criteria is presented in Appendix B. Reference mapping identifying the location of each settlement / zone are presented in Appendix C.

In line with the OPW Guidelines for flood risk management a justification test at development plan level must satisfy the following Criteria:

- 1) ***The urban settlement is targeted for growth under the National Planning Framework, Regional Spatial and Economic strategy, statutory plans or under the Planning Guidelines or Planning Directives provisions of the Planning and Development Act 2000, as amended.***

Response 1A

The twin towns of Ballybofey-Stranorlar are (cumulatively) the third largest settlement in the County and offer opportunities and services for those living and working locally but also have the potential to serve as a base for those working in other centres such as Letterkenny and Donegal Town. Enhanced connectivity offered by the proposed TEN-T scheme and the improved town centre environment to be delivered under the SEED project are likely to act as an incentive for those looking to establish businesses in the twin towns. This potential is recognised in the County Development Plan 2024-2030 (CDP) and accordingly, the twin towns are identified as a 'County Growth Driver' in the Core Strategy of the Draft CDP and are targeted for a growth of ~1500 persons over the lifetime of the Development Plan.

Response 1B

Buncrana is the second largest town in County Donegal and has a number of strategic strengths such as its location within the North West City Region (NWCR), its proximity to and relationship with Derry City, its coastal location on the Wild Atlantic Way and its function as the main service town for the Inishowen Peninsula. Buncrana is identified as a 'County Growth Driver' in the Core Strategy of the Draft CDP and is targeted for a growth of ~1500 persons over the lifetime of the Development Plan.

Response 1C

Bundoran is a key tourism destination located in southwest Donegal and recorded a population of 1963 in the 2016 census. The town provides a diverse range of tourist accommodation and entertainment functions, benefits from high quality coastal resources and natural amenities and has been recognised as a Tourism Destination Town by Fáilte Ireland. Bundoran is targeted for growth in the Core Strategy of the Draft CDP and is anticipated to increase in population by a minimum of ~300 persons over the lifetime of the Development Plan.

Response 1D

The settlement forms part of the 'settlement hierarchy' for County Donegal, as set out in the Core Strategy of the Draft County Development Plan 2024-2030

(CDP). The settlement is targeted for growth under the provisions of the Core Strategy, in recognition of its role in providing important local retail, service and employment functions and in recognition of the need to consolidate, regenerate and revitalise the town and village structure throughout the county.

2) The zoning or designation of the lands for the particular use or development type is required to achieve the proper planning and sustainable development of the urban settlement and, in particular:

i) Is essential to facilitate regeneration and/or expansion of the centre of the urban settlement:

The settlement/zones are developed areas and are essential in order to support the continued viability of the urban centres in the County.

ii) Comprises significant previously developed and/or under-utilised lands:

The subject lands accommodate existing development and/or under-utilised lands within the existing settlement.

iii) Is within or adjoining the core of an established or designated urban settlement:

The subject developed lands are within or adjoining the established urban core of the settlement.

iv) Will be essential in achieving compact and sustainable urban growth:

The subject lands either accommodate existing development and are therefore previously developed lands or vacant sites offer the potential to ensure compact growth within the existing urban area. These lands are essential in achieving and maintaining compact and sustainable urban growth.

v) There are no suitable alternative lands for the particular use or development type, in areas at lower risk of flooding within or adjoining the core of the urban settlement:

The subject lands accommodate existing development and are therefore previously developed lands. This criterion is set aside in accordance with the Circular PL 2/2014 where appropriate.

3) A flood risk assessment to an appropriate level of detail has been carried out as part of the Strategic Environmental Assessment as part of the development plan preparation process, which demonstrates that flood risk to the development can be adequately managed, and the use or development of the lands will not cause unacceptable adverse impacts elsewhere.

Response 3A

As per the sources consulted the settlement/zoning is indicated to be within Flood Zone C and all land uses and associated zonings are appropriate as per the OPW Guidelines.

Response 3B

Sources consulted indicate that a portion of the settlement/zoning is within Flood Zone A/B though sufficient flood risk information is available to determine that flood risk to the development can be adequately managed, and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. There development remains appropriate in line with the sequential

approach described in the OPW Guidelines and the criteria set out in Circular PL 2/2014.

All new developments shall be subject to a Site-Specific Flood Risk as per The Guidelines. A FRA of appropriate detail should accompany applications for development to demonstrate that they would not have adverse flood risk impacts. The site specific FRA should consider the following:

- *The sequential approach should be applied through site planning and should avoid encroachment onto, or loss of, the flood plain.*
- *Development in Flood Zone A should consist of water compatible development only.*
- *Highly Vulnerable Development shall not be permitted in Flood Zone A or B. Traveller accommodation shall be considered highly vulnerable infrastructure as per the OPW Guidelines.*
- *FRAs should address surface water management for development, demonstrating consideration of GSDS policies and incorporation of SuDS in accordance with Donegal County Council SuDS Guidance policy.*
- *FRAs should consider the hydromorphological impacts on riparian corridors.*
- *Existing open spaces and water compatible uses in Flood Zones A and B should be retained to maintain flood storage areas.*
- *FRAs should examine residual risk associated with culvert blockages, defence failure and climate change (High End Future Scenario) to set finished flood levels where appropriate. The FRAs should ensure development does not block flow paths, does not increase flood risk elsewhere, is designed to appropriate standard of flood resilient construction and demonstrates emergency evacuation procedures during flood events.*
- *Additional development such as extensions or changes of use can generally be considered appropriate, but an appropriately detailed flood risk assessment will be required in support of any planning application. The level of detail will vary depending on the risks identified and the proposed land use. The FRA should be aimed at setting finished floor levels and demonstrating no increase in flood risk elsewhere.*

Response 3C

Sources consulted indicate that a portion of the settlement/zoning is within Flood Zone A/B. It has not been demonstrated that the flood risk to the proposed zoned lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The zoning is not in line with the sequential approach and cannot be justified.

5.2 Justification Test Summary

Justification tests for the settlements and zonings within the scope of Draft Donegal County Development Plan 2024-2030 have been undertaken and are detailed in Appendix B of this document. The majority of assessed settlements and zonings have passed the justification test as per the OPW Guidelines. However, several settlements and zonings have failed the justification test in their current arrangement, these are as follows:

Proposed zonings:

- Ballybofey & Stranorlar
 - BS-BE-002
- Zonings within minor settlements:
 - ST-OPS-001
 - ST-OPS-003

Proposed amendments to settlement boundaries:

- Glenties
- Quigley's Point

6. RIPARIAN CORRIDORS

6.1 The Need for Riparian Corridor Assessments

Riparian Corridors protect watercourses and their natural processes including: ecological, biogeochemical, hydromorphological and flood resilience in the face of climate change. These zones act as the interface between rivers and adjoining lands and are key to managing flood risk within catchments of all sizes. Maintaining and enhancing Riparian Corridors creates “room for the river” and the benefits that entails including reducing risk to persons and property from flooding. The sustainable management of riparian zones is crucial to meeting our objectives under the Water Framework and Floods Directives.

Recent decades have seen an increased awareness of the role of riparian zones in controlling the movement and processing of waterborne pollutants. This research was built upon growing interest in the interactions along aquatic-terrestrial fringes initially in relation to fisheries and more recently the effect of ecosystem diversity and resilience to climate change. The relationship between Riparian Corridors and nutrient processing is widely known, by acting as buffers between upland areas and open water, they help treat pollutants.

6.2 Riparian Vegetation

Riparian vegetation acts with flow, sediment and topography to influence channel form, instream habitat, nutrient dynamics, temperature and flow patterns. Therefore, removal of upland and riparian vegetation through agriculture and urbanisation disrupts land-water linkages leading to reductions in water quality, simplification of stream channels, less stable thermal and flow regimes, and ultimately, reduced ecosystem integrity. Riparian vegetation is a key source of beneficial in-stream nutrients and carbon, provides shade aiding thermally sensitive species (e.g. salmonids) and directly influences channel morphology (bank stabilisation, source of Large Woody Debris).

Designating and maintaining riparian corridors along the along major watercourses and their tributaries is key to maximising ecosystem services provided by the watercourses. Vegetative riparian buffers ecosystem services include:

- Interception and reduction of potential pollutants from both agricultural and urban sources,
- Attenuating flood waters,
- Bank stabilisation,
- Reducing runoff volumes
- Habitat provision and refuge,
- Ecological corridors
- Vegetal debris that falls into the watercourse is an important source of nutrients for instream biota.
- Thermal shading of watercourse,
- Amenity value.

6.3 Development Hydromorphological Assessment and Restorative Measures

Development Hydromorphological Assessments are to be undertaken where lands are partially or wholly within the Riparian Corridors in line with *Department of*

Housing, Planning and Local Government's Technical Guidance to Morphological Risk Assessment of Rivers Guidelines for Planning Authorities. The Development Hydromorphological Assessment will include the following considerations:

- An assessment of the existing river reach, identify existing hydromorphological pressures, determine deviation from a “Natural” form and propose restorative measures to improve Hydromorphological integrity and resilience throughout the river reach.
- In general restorative measures should create “Room for the River” and in time allow river systems to return to a state of equilibrium with rich biodiversity, developed ecosystem service provision and resilience to future shocks such as climate change. Potential restorative measures are described below.

6.3.1 Flood Zoning

Lateral connectivity should be maintained where possible throughout catchments. Assessing floodplains throughout the catchment is key to defining appropriate land use practices and future sustainable development. Much of the historic floodplains within the catchment are defined as part of previous flood studies. Nonetheless, the impacts of climate change should be taken into account as the areas liable to flood in the near future may increase significantly over present-day extents.

6.3.2 Riparian Buffer

The immediate riparian buffer should be “re-wilded” as much as possible. Any development within the riparian buffer strip, including pedestrian/cycle paths and highly managed parkland, should be minimised. Within these riparian buffer zones explicit care should be given to the variety of plant species. The vegetation within the riparian buffer should be native and appropriate to the location and soil water regime, preferably from a local source.

Providing buffer strips adjacent to the watercourses and limiting instream works maintains existing flow/flood regimes as well as important ecological corridors for aquatic and terrestrial flora and fauna.

6.3.3 Sustainable Agriculture Practices

The nature of land ownership in Ireland means that the majority of riparian land is privately owned. As such educating and involving riparian landowners is key to enhancing riverine environments. This includes:

- Educating farmers on the correct use of nitrates and agricultural fertilisers,
- Use of stock fencing as to minimize livestock access pressure have been seen to result in:
 - a decrease in sediment loads
 - woody vegetation cover increases,
 - increase resistance to erosion,
 - increase in vegetation increases roughness,
 - trapping sediment, which builds banks;
- Designated crossing / access points for livestock along the banks of a watercourse will aid in reducing bank erosion and sediment from entering the watercourse. At such points, the banks could be reinforced to aid in the prevention of bank erosion.
- The provision of riparian buffers and Integrated Constructed Wetlands (ICW) systems adjacent to rivers has been seen to greatly reduce pollutants in

agricultural runoff (e.g. effluent, fertilisers & pesticides, etc.) from entering freshwater systems.

- The provision of ICW systems on agricultural lands within the LAP can provide storage to agricultural runoff, slow runoff, create aquatic and riparian habitat and absorb and/or retain CO₂, however incentives would possibly need to be in place for the general public to adopt such systems.
- Educating the general public on the potential negative impacts of such activities can also help mitigate this pressure.

6.3.4 Instream Works and Channel Modifications

The methodologies outlined above have been chosen as to be minimally invasive. However, as with the majority of watercourses in Ireland, some of the primary pressures within the Donegal catchments are the significant morphological alterations as a result of culverting, canalisation and construction of flow regulation structures such as weirs or embankments. Key ecosystem services and habitat types cannot return to the urban catchments without some River Restoration measures being undertaken within the main river channel. Possible options include:

- De-culverting of Watercourses
- Introduction of Large Woody Debris,
- Establishment of in-stream vegetation,
- New meander in impounded river channel,
- Reconnecting a remnant meander,
- Current deflectors,
- Narrowing channel with aquatic ledges,
- Creating a sinuous low-flow channel in an over-widened channel,
- Creation of on-line bays,
- Fixing whole trees into the river bank for flow diversity,
- Gravel reworking to restore a low-flow channel,
- Weir removal
- Review of/reduction in maintenance.

The impact of these measures on the current channel morphology and maintenance practices varies significantly. Options such as introducing Large Woody Debris would likely have a minimal impact on flooding while providing substantial benefits in the form of flow heterogeneity and habitat creation.

6.4 Riparian Corridor Policies:

It is a policy of the Council to promote and protect the ecosystem services provided by floodplains and their native riparian vegetation along all watercourses and ensure that a suitable riparian buffer from the top of the riverbank is maintained/reinstated along all watercourses within development sites. Developments within riparian lands shall be subject to hydromorphological assessments in line with the Department of Housing, Planning and Local Government's Technical Guidance to Morphological Risk Assessment of Rivers Guidelines for Planning Authorities.

7. STORMWATER MANAGEMENT STRATEGY AND SUDS RETROFIT

7.1 SUDS Overview

7.1.1 Introduction

The SuDS philosophy is to mimic the natural hydrological cycle by promoting; infiltration, evaporation, evapotranspiration, the harvesting of rainwater at source and the temporary storage of water (ponding), through the construction of a combination or series of components to form a 'management train'. Whilst there is no internationally agreed definition for SuDS – as the understanding of the SuDS philosophy correlates to the extent to which it is embedded in policy and practice over time, the three 'pillars' of sustainable stormwater management practice are generally accepted as;

- (i) Reducing the rate and quantity of stormwater discharge,
- (ii) Improve the quality of stormwater discharges and receiving water bodies and
- (iii) Provide amenity and biodiversity value.

Consideration of the sensitivity of the surrounding environment and downstream water quality is fundamental to the successful implementation of SUDS systems, particularly as we face into the uncertainties of a changing climate.

7.1.2 Benefits of SuDS

Traditional surface water drainage design is relatively simple, using the Rational method to size pipes to ensure that surface water is removed as quickly as possible to ensure flooding does not take place on hardstanding areas. Unfortunately, this philosophy is flawed as, in more rapidly transferring the surface water downstream, it provides the potential for flooding of other areas. This accelerated run-off gives rise to higher flood levels and the corresponding loss of groundwater recharge results in reduced low flows in rivers thus increasing environmental vulnerability. In addition, the pollution in the run-off is conveyed into the natural environment.

SuDS offer multiple benefits over traditional drainage practices managing discharge rates, volumes and diffuse pollution as well as providing the flexibility for adaptation to future drainage needs through a modular implementation. Climate change predictions suggest that some types of extreme events will become more frequent, such as heat waves, flooding caused by extreme rainfall and drought. The SuDS approach is more robust and adaptable than the traditional approach of underground piped drainage systems. In shallow surface-based systems, such as swales, water levels rise gradually and visibly. When the capacity of the SuDS feature is exceeded, the excess water can be directed to safe storage zones. This allows the general public, and road owners and operators to prepare for flood events more effectively. Conversely, flooding from underground piped drainage systems can occur suddenly and rapidly when the design capacity is exceeded. Furthermore, shallow, visible surface-based systems can be designed to offer greater flexibility to adapt to Climate Change. SuDS systems can enhance more readily and cheaply, compared to underground drainage systems. Lower river flows; caused by drought, result in reduced dilution of pollutants following rainfall events. The treatment of surface water runoff, through SuDS, helps to protect and enhance the quality of receiving watercourses, which assists in the attainment of our objectives under the Water Framework Directive.

7.1.3 Factors Influencing the Design of SuDS

There is no unique solution and each situation must be evaluated on its own merits and suitable SuDS solutions applied, although the means to achieving these objectives are many and varied. Factors such as site suitability, available space, cost, maintenance regimes and community acceptance must be considered to ensure successful implementation. The various SuDS features can generally be categorised as 'hard' SuDS and 'soft' SuDS. Soft SuDS resemble natural features and include techniques such as swales, ponds and wetlands. Hard SuDS are more similar to traditional drainage methods but incorporate SUDS principles. Examples of these are permeable pavements and proprietary SUDS features such as filtration systems and vortex separators.

7.1.4 The Management Train

The SuDS philosophy, and effective stormwater management in general, requires a series of SuDS features, linked together, to form a stormwater management system to treat and attenuate surface water runoff as close to the source of runoff as possible, before being conveyed downstream for further treatment and storage.

7.2 Opportunities for SuDS Systems in a Changing Climate

The principal treatment processes in a SuDS system are Sedimentation and Biodegradation.

7.2.1 Sedimentation

Sedimentation is one of the primary removal mechanisms in SuDS. Most pollution in stormwater runoff is attached to sediment particles and therefore the removal of sediment will achieve a significant reduction in pollution loading to receiving water bodies. Sedimentation is achieved through the reduction in flow velocities to a level at which the sediment particles fall out of suspension.

7.2.2 Biodegradation

Biodegradation is a natural biological treatment process that is a feature of several SuDS systems - systems that are subject to both wet and dry conditions. In addition to the physical and chemical processes of SuDS systems, biological treatment may also occur. Microbial communities may be established in the ground using the oxygen within the free-draining materials and the nutrients supplied with the inflows, to degrade pollutants such as hydrocarbons and grease.

The level of bioremediation activity will be affected by environmental conditions such as temperature and the supply of oxygen and nutrients. It also depends on the physical conditions within the ground such as the suitability of the materials for colonisation.

7.2.3 'Wet and Dry' SuDS Systems Perform Best

The presence of vegetation adds a physical filtration aspect to SuDS systems in the case of filter strips leading to swale/basins, the majority of hydrocarbons are removed by the first stage. If vegetation has been affected by drought, this element of the treatment train will be absent (in a worst-case scenario or significantly diminished at best). Maintenance of filter strips, swales and detention basins typically involve grass cutting. It is worth noting that hydrocarbons are also broken down by UV light in a process called photolysis, but where increasing levels of contaminants are building up in the soil (in the swale, basin, pond or wetland) the affected soil is likely to require removal and will more than likely be classified as contaminated waste.

The most recent published literature suggests that ponds and wetlands do not seem to benefit from the enhanced biological treatment of hydrocarbons found in the oxygen-rich conditions of the swales and basins (which are not designed to hold a permanent volume of water). Nonetheless, ponds and wetlands have been utilised extensively as the default treatment system serving roads and motorways in Ireland and UK, with little supporting literature to justify such initiatives.

In the selection of the most resilient and enduring suds systems, this fact is important:

Only SuDS features that experience both wet and dry conditions benefit from this added biological treatment - ponds and wetlands are proposed as polishing stage options as part of a treatment train.

The temperature dependence of these aerobic microbes (responsible for this additional layer of treatment) means that the chemical and biological treatment mechanisms found in SuDS systems are enhanced with increasing temperature.

7.2.4 The Benefits of Vegetative Systems

The successful implementation of bioremediation systems requires the establishment of appropriate plants and /or microorganisms at the containment site. Factors to be considered include: (i) selection of appropriate plant species, (ii) the influence of contaminants on seed germination, (iii) the use of native versus non-native plants and (iv) the effectiveness of inoculating contaminated soils with microorganisms. Furthermore, the plant species must be well adapted to the soil and climate of the region, making soil characteristics, length of growing season, average temperature and annual rainfall important considerations in plant-assisted bioremediation / biodegradation planning. The rate of microbial degradation generally doubles for every 10-degree centigrade increase in temperature.

Indirect benefits include enhanced soil quality through improvements in soil structure, increased porosity and therefore water infiltration, providing nutrients, accelerating nutrient cycling and increasing soil organic carbon. The use of plants also stabilises the soil thus preventing erosion and direct human exposure.

7.3 SuDS Objectives

7.3.1 Quantity Control Processes

Several techniques can be implemented to control the quantity of runoff from a development. Each technique presents different opportunities for stormwater control, flood risk management, water conservation and groundwater recharge.

- a) Infiltration
 - Soaking of water into the ground
 - Most desirable solution to runoff management as it restores the natural hydrologic process
 - Impacted by groundwater vulnerability and infiltration ability of subsoil
- b) Detention / Attenuation
 - Slows down surface water flows before their transfer downstream
 - Usually achieved through use of a storage volume and constrained outlet
 - Should be above ground
 - Reduces peak flow rate but total volume of runoff remains the same

- c) Conveyance
 - Transfer of surface runoff from one place to another
 - Through grassed channels/trenches and pipes
 - Transfer essential for managing flows and linking SuDS components
 - Uncontrolled conveyance to a point of discharge in the environment not considered sustainable
- d) Water Harvesting
 - Direct capture and use of runoff on site for domestic or irrigation, overflowing/discharging to adjoining SuDS component(s)
 - Contributes to Flood Risk Management

7.3.2 Quality Control Processes

A number of natural water quality treatment processes can be exploited within SuDS design. Different processes will predominate for each SuDS technique and will be present at different stages in the treatment train.

- a) Sedimentation – reducing flow velocities to a level at which the sediment particles fall out of suspension;
- b) Filtration & Biofiltration – trapping pollutants within the soil or aggregate matrix, on plants or on geotextile layers;
- c) Adsorption – pollutants attach or bind to the surface of soil or aggregate particles;
- d) Biodegradation – Microbial communities in the ground degrade organic pollutants such as oils and grease;
- e) Volatilisation – transfer of a compound from solution in water to the soil atmosphere and then to the general atmosphere;
- f) Precipitation – transform dissolved constituents to form a suspension of particles of insoluble precipitates;
- g) Plant Uptake – removal of nutrients from water by plants in ponds and wetland;
- h) Nitrification – Ammonia and ammonium ions can be oxidised by bacteria in the ground to form nitrate which can be readily used as a nutrient by plants;
- i) Photolysis – The breakdown of organic pollutants by exposure to ultraviolet light.

7.3.3 Amenity & Biodiversity Processes

SuDS provides opportunities to create attractive landscaping features which offer a variety of amenity/biodiversity. The following are the main SuDS components offering aesthetic, amenity and ecological benefits.

Primary Processes:

- a) Blue/Green Roofs
- b) Grassed channels/Swales
- c) Filter strips
- d) Bioretention Areas
- e) Vegetated swales and detention basins
- f) Infiltration Basins

Benefits subject to design:

- a) Ponds

b) Wetlands

7.3.4 Water Quality

The implementation of SuDS as part of future development within the DCC CDP lands should ensure that the quality of discharge from future development to the surrounding watercourses, through the removal of sediments and contaminants, will not negatively impact the existing condition of the watercourses. The quantity of discharge from future developments to surrounding watercourses will also not negatively impact the existing condition of the watercourses, as discharge rates will be limited to an approximate greenfield rate. Moreover, the adoption of SuDS systems in all new developments and the protection of existing floodplains shall assist in the attainment of our objectives under the Water Framework Directive as downstream watercourse conditions will be improved as a result of a better quality and quantity of discharge from upstream developments.

7.3.5 Effects of Climate Change

The effects of climate change need to be considered when designing and preparing maintenance regimes for SuDS features. Sedimentation is one of the primary removal mechanisms in SuDS. As discussed above, this is achieved through the reduction in flow velocities to a level at which particles fall out of suspension. However, care must be taken through design and appropriate maintenance regimes to ensure the risk of re-suspension is minimised during extreme rainfall events.

The level of biodegradation activity that occurs within SuDS features will be affected by environmental conditions such as temperature and the supply of oxygen and nutrients. It is also depending on the physical conditions within the ground such as the suitability of the materials for colonisation.

7.4 SuDS Techniques

In addition to the objectives above, in order to replicate the natural drainage system, a 'Management Train' is required. The Management Train sets a hierarchy of SuDS techniques which should be implemented in series as follows:

- Prevention – prevent runoff and pollution
- Source Control – control runoff at or close to the source
- Site Control – management of surface water in the site/local area
- Regional Control – management of surface water from a number of sites together

Various SuDS components have different capabilities regarding the objectives outlined above and are more suited to certain stages of the Management Train. The principle of the Management Train is that wherever possible, surface water should be managed locally in small, sub-catchments rather than being conveyed to and managed in large systems further down the catchment. Table 7-1 below contains examples of SuDS techniques for Source, Site and Regional controls.

Table 7-1 SuDS Techniques for Source, Site & Regional Control

Source Control	Site Control	Regional Control
Rainwater Harvesting	Permeable Paving	Detention Ponds/Basins
Green Roofs	Bioretention Strips	Retention Ponds/Basins
Permeable Paving	Infiltration Trenches	Wetlands

Source Control	Site Control	Regional Control
Bioretention Strips	Filter Drains	Infiltration Basins
Filter Drains	Filter Strips	Detention Basins
Infiltration Trenches	Swales	Petrol Interceptors*
Filter Strips	Sand Filters	
Soakaways	Infiltration Basins	
Blue Roofs	Detention Basins	
Swales	Petrol Interceptors*	

*Use of Petrol Interceptors should be avoided except where the potential for hydrocarbons entering the surface water drainage network is particularly high. Treatment of surface water runoff should be provided through the use other SuDS techniques.

7.5 Modular SuDS Components

Management trains for new and existing developments should facilitate the construction of future SuDS components and/or provide for future enhancements to existing SuDS components – to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.

Modular components can include:

- Additional physical SuDS features e.g., swales, basins and ponds and/or;
- Enhancements to existing SuDS features by upsizing and/or;
- Introducing vegetation and/or;
- Management actions e.g., changing the maintenance regime in response to findings of a monitoring regime.

7.6 SuDS Protocol for New Development

As part of any future development within the DCC lands, the developing authority should adapt the following protocol. This protocol will provide guidance for assessing the resilience of SuDS to climate change during periods of drought, flash flooding, temperature extremes and periods of persistent rainfall and to propose appropriate resilient SuDS strategies to manage stormwater runoff arising from severe rainfall events now and into the future. An overview of this protocol is outlined in Figure 7-1 below.

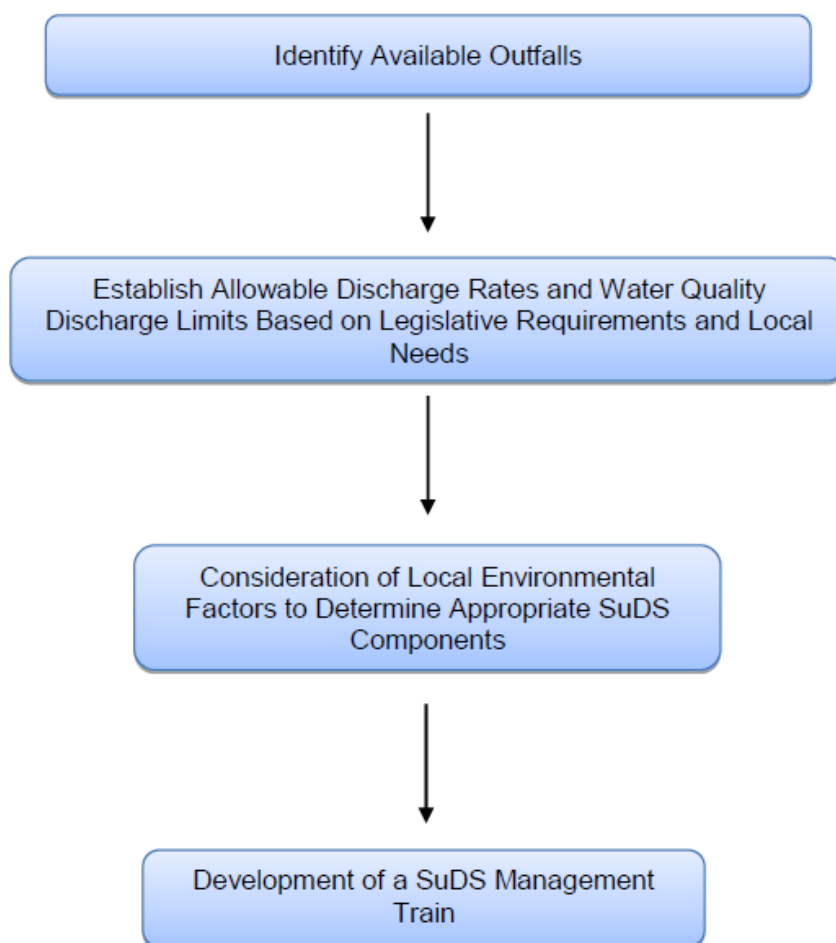


Figure 7-1 Recommended SuDS Protocol to Be Adapted

7.7 Management Train

A Management Train is usually required when developing a SuDS strategy. A Management Train sets a hierarchy of SuDS techniques which are subsequently linked together. Each technique employed contributes in different ways and degrees to the overall drainage network. The scale and number of components required will depend on the respective catchment characteristics and likely concentration of pollutants in the inflow. Considering the scale of proposed developments, a combination of carefully designed and appropriately maintained source controls, site controls and possibly regional controls are required as part of the surface water drainage system to ensure high water quality from runoff into these areas.

7.8 Quantity and Quality Performance

In selecting suitable SuDS components for a SuDS management train, the quantity of runoff and quality performance for various SuDS techniques should be assessed:

- Source Control techniques are most effective in reducing run off volume.
- Open Channels and Detention Basins provide the best hydraulic control for large flows (1% AEP), and water quality benefits.
- Permeable paving, Infiltration and Filtration techniques (filter strips, swales, grassed channels) are most effective for water quality treatment.
- Subsurface storage systems offer limited potential for water treatment.

7.9 Community, Environmental and Amenity Performance

Community and environmental factors for various SuDS techniques include Maintenance Regime, Community Acceptability, Construction and Maintenance Costs and Habitat Creation Potential.

Detention Basins and Swales (particularly Conveyance Swales) typically provide the most cost-effective SuDS solution while also incorporating the potential for habitat creation.

The implementation of wetlands will typically promote habitat creation and are generally accepted by communities as they provide valuable open space for visual and recreational enjoyment, however capital and maintenance costs can be relatively high.

There may be some public safety concerns associated with SuDS techniques involving open water, however good design and education can help minimise these concerns. This can be achieved through 'demonstration projects' and initiatives to educate local residents of the benefits of SuDS systems and natural floodplain management approaches as a means to tackle flood risk, particularly in response to climate change and the adverse environmental effects of uncontrolled contaminated stormwater runoff from urban developments. It is also recommended that developers make the proposals and advantages clear to future prospective buyers of the lands at the time of sale. The SuDS approach also offers benefits to the health and wellbeing of citizens.

7.10 SuDS Retrofitting

There are opportunities for SuDS retrofitting throughout the Draft CDP lands, however, this would be difficult to implement on existing private development. This is due to a lack of knowledge on the societal benefits of SuDS (economic, ecological, health and wellbeing, amenity etc.) by the general public. SuDS measures that could be implemented on existing private development include permeable paving on driveways, installation of rainwater harvesting systems and the provision of vegetated systems such as swales and bioretention areas within private gardens.

7.11 Recommendations

- 1) A Management Train should be incorporated during the design stage whereby surface water should be managed locally in small sub-catchments rather than being conveyed to and managed in large systems further down the catchment.
- 2) Management trains for new developments should facilitate the construction of future SuDS components – to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.

8. SUMMARY

This SFRA report for Donegal County has been carried out in accordance with the requirements of the OPW Flood Risk Assessment Guidelines for Planning Authorities (2009) and Circular PL02/2014 (August 2014). The SFRA has provided an assessment of flood risk within the County to assist DCC to make informed strategic land-use planning decisions. The flood risk information has enabled DCC to apply the sequential approach described in The Guidelines and a Justification Test.

8.1 Flood Zones and Flood Risk

Donegal County is susceptible to several types of flood risk. The flood zone extent mapping has been prepared (presented in Appendix A) in accordance the Planning System and Flood Risk Assessment Guidelines identifying Flood Zones A, B and C. The flood zone maps are primarily derived from the CFRAMS and NCFHM mapping. These maps are the most comprehensive flood maps produced for Donegal since the introduction of the Guidelines and the Floods Directive. Flood extent mapping for areas that are not covered in the CFRAM or NCFHM Studies are supplemented by fluvial mapping from the NIFM Assessment.

8.2 Flood Management Objectives

The Draft County Development Plan outlines flood risk management strategies and objectives that incorporate Flood Risk Management into the spatial planning of the County, to meet the requirements of the Floods Directive and the Water Framework Directive. Appropriate Flood Risk Management objectives and policies are detailed in Section 5. Flood risk management will be carried out in accordance with the Flood Risk Management Guidelines for Planning Authorities, DoEHLG (2009) and Circular PL2/2014.

The CFRAMS (www.floodinfo.ie) and Donegal Strategic Flood Risk Assessment provide information in relation to known flood risk in Donegal County. Development proposals on lands that may be at risk of flooding should be subject to a Site-Specific Flood Risk Assessment, prepared by an appropriately qualified Chartered Engineer, in accordance with the Flood Risk Management Guidelines. Detailed flood risk assessments should be cognisant of possible pluvial / surface water flood risk and appropriate drainage proposals should be implemented to reduce the risk of pluvial flooding.

There is an increasing likelihood that Ireland's climate will be similar to that depicted in the High-End Future climate change scenario by the year 2100. Therefore, it is prudent to consider the HEFS parameters when planning for vulnerable infrastructure and developments. This approach will also assist in achieving our obligations under the Water Framework Directive (WFD).

8.3 Riparian Corridors

Maintaining and enhancing Riparian Corridors creates "room for the river" and the benefits that entails including reducing risk to persons and property from flooding and resilience to future shocks such as climate change. The sustainable management of riparian zones is crucial to meeting our objectives under the Water Framework and Floods Directives. Objectives to maintain and enhance Riparian Corridors and the benefits they entail have been described in Section 6.

8.4 SFRA Review and Monitoring

The DCC SFRA will be reviewed and updated every six years in line the County Development Plan review process. Additionally, outputs from future studies and datasets may trigger a review and update of the SFRA during the lifetime of the 2024-2030 Development Plan. With regard to Climate Change, the OPW is currently transitioning to regional based climate models that reflect the likely varied impacts throughout the island of Ireland. This is likely to be implemented during the lifetime of the proposed county development plan. Proposed developments should take account of the most up to date OPW guidance on climate change as part of Site Specific Flood Risk Assessments.

8.5 SFRA Objectives

Objectives

- To ensure that development does not give rise to unacceptable new flood risks, or does not exacerbate existing flood risk.

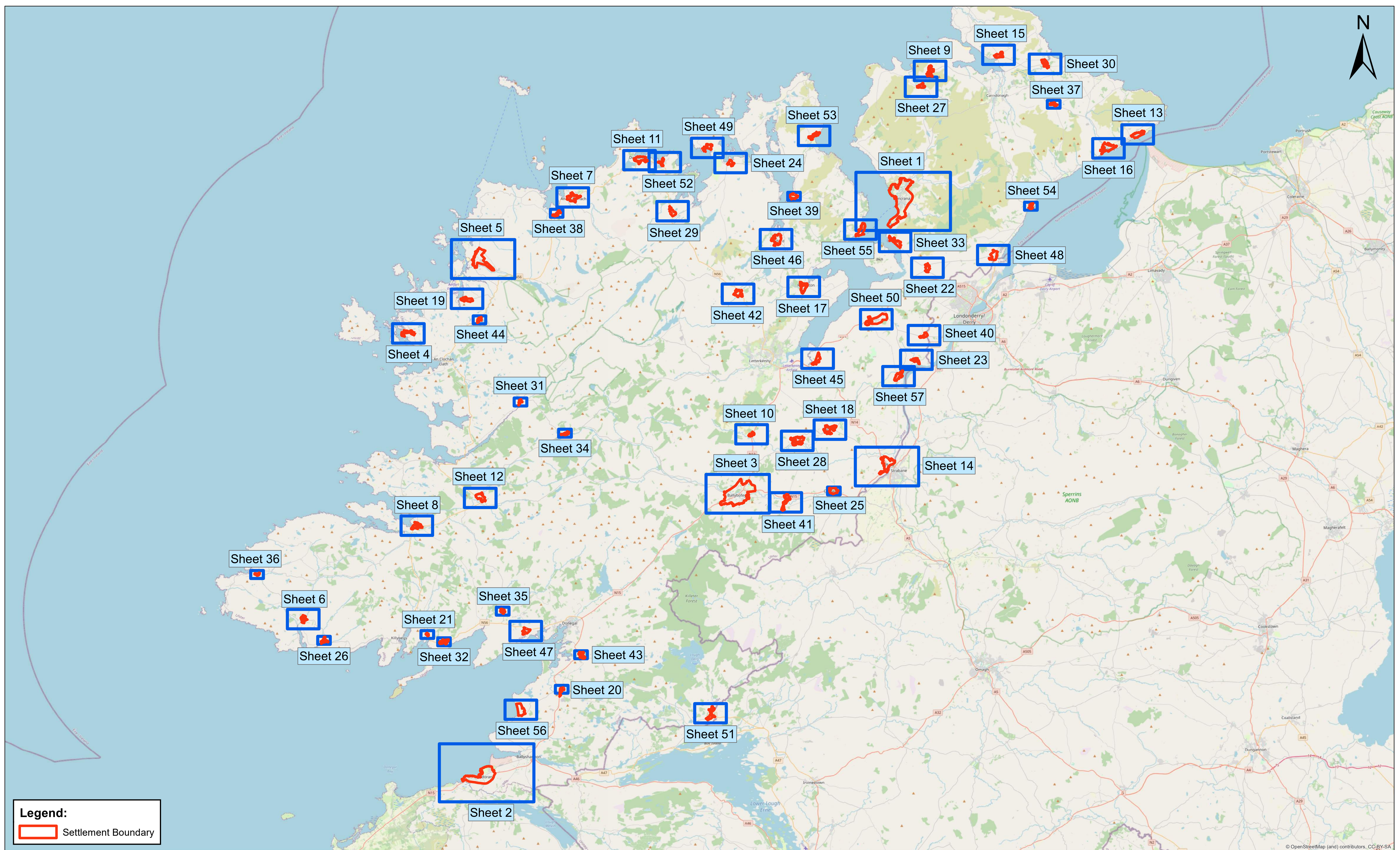
Policies

- It is a policy of the Council to only permit development where flood or surface water management issues can be successfully addressed and/or where there is no unacceptable residual flood risk for the development, its occupants and/or private property or public infrastructure elsewhere within the catchment. A precautionary approach shall be applied to the consideration of flood risk issues and shall include the application of the 'Avoid', 'Substitute', 'Justify' principles set out in the EU Floods Directive (2007/60/EC) and 'The Planning System and Flood Risk Management - Guidelines for Planning Authorities', November 2009, DoEHLG.
 - Where appropriate, applicants/developers shall be required to submit:
 - an independent 'Flood Risk Assessment' in accordance with the aforementioned Guidelines or any subsequent related publication and/or 'Surface Water Drainage Calculations', from suitably qualified persons; and
 - evidence of compliance with the Justification test set out in Section 5.15 of the aforementioned Guidelines or any subsequent related publication.
 - an assessment of the likely effects of climate change on flood risk. Reference should be made to climate change factors described in the OPW's 'Flood Risk Management Climate Change Sectoral Adaptation Plan' 2019 and any subsequent revisions.
- It is a policy of the Council to require the use of Sustainable Urban Drainage Systems (SUDs) including flood attenuation areas, wetlands, the controlled release of surface waters and use of open spaces and semi-permeable hard surfaces for urban development proposals. A Management Train should be incorporated during the design stage whereby surface water should be managed locally in small sub-catchments rather than being conveyed to and managed in large systems further down the catchment. Management trains for new developments should facilitate the construction of future SuDS components – to mitigate the risk of flooding caused by more extreme rainfall events and risk of pollution due to lower baseflow in receiving waters.
- It is a policy of the Council to support the development of long and short-term flood remediation works, including embankments, sea defences, drainage channels, and attenuation ponds and wetlands, subject to environmental considerations including potential impact on designated shellfish water and,

fresh water pearl mussel catchment areas, compliance with Article 6 of the Habitats Directive, best practice in Coastal Zone Management and the Marine Resource and Coastal Management policies of this Plan.

- It is a policy of the Council not to permit developments which would hinder the maintenance of river or drainage channels.
- It is a policy of the Council to promote and protect the ecosystem services provided by floodplains and their native riparian vegetation along all watercourses and ensure that a suitable riparian buffer from the top of the riverbank is maintained / reinstated along all watercourses within development sites. Developments within riparian lands shall be subject to hydromorphological assessments in line with the Department of Housing, Planning and Local Government's Technical Guidance to Morphological Risk Assessment of Rivers Guidelines for Planning Authorities.
- Policies have been applied to specific proposed zonings to ensure flood risk is appropriately managed. These zonings are *BS-CI-001* & *BS-NRES-002* (Ballybofey & Stranorlar). The specific policy considerations are detailed in Appendix B.

APPENDIX A FLOOD MAPPING



No.	Revision	Date	By	Chk'g	App'd
P01	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P02	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING SHEET LAYOUT						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40000	DSFRA	ROD	EWE	SW_AE	DR	EN	40000
Scale (A1)	1:220,000	Date:	February 2023	Job No:	22.153	Rev:	P02



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



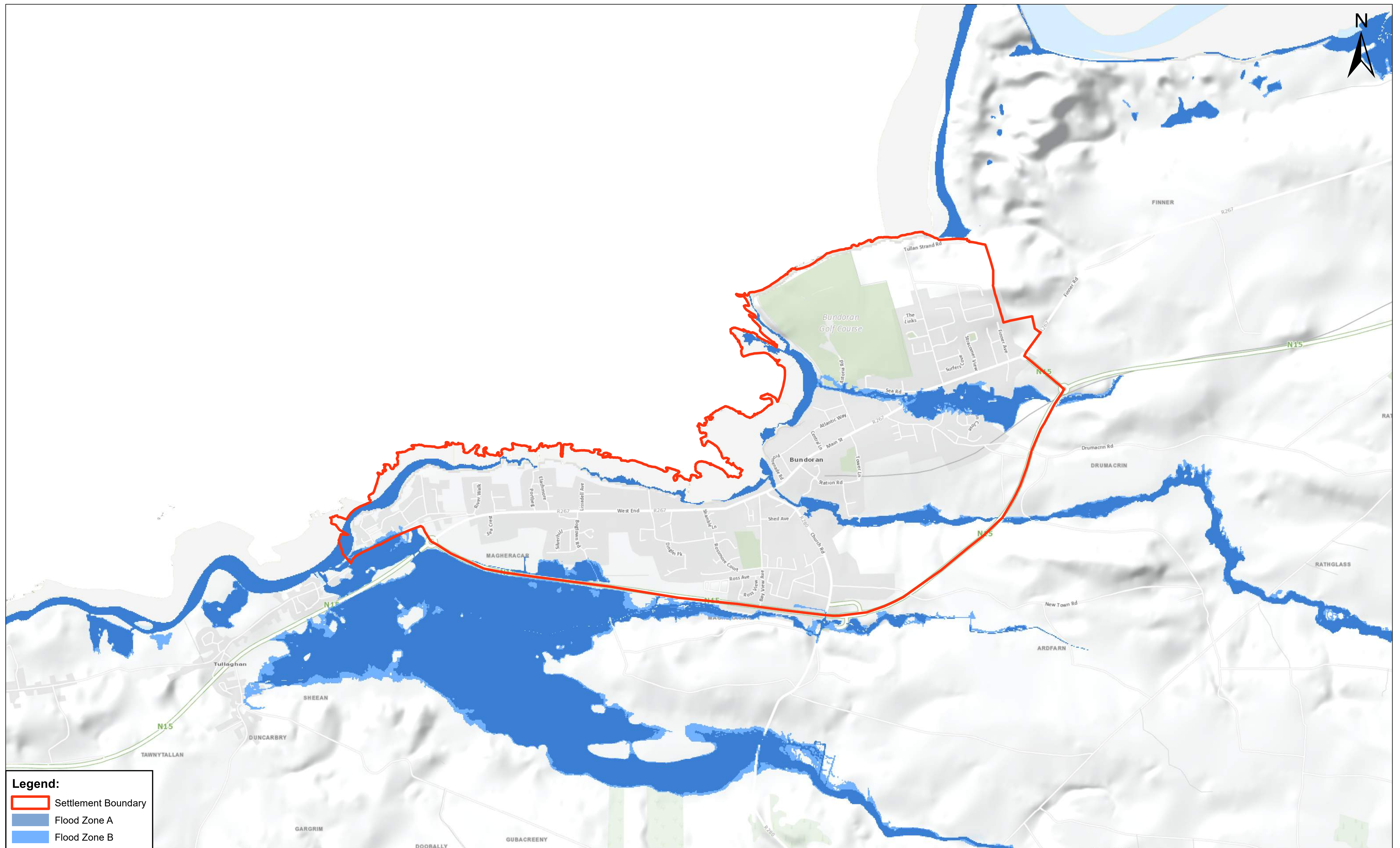
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - BUNCLARA SHEET 1 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



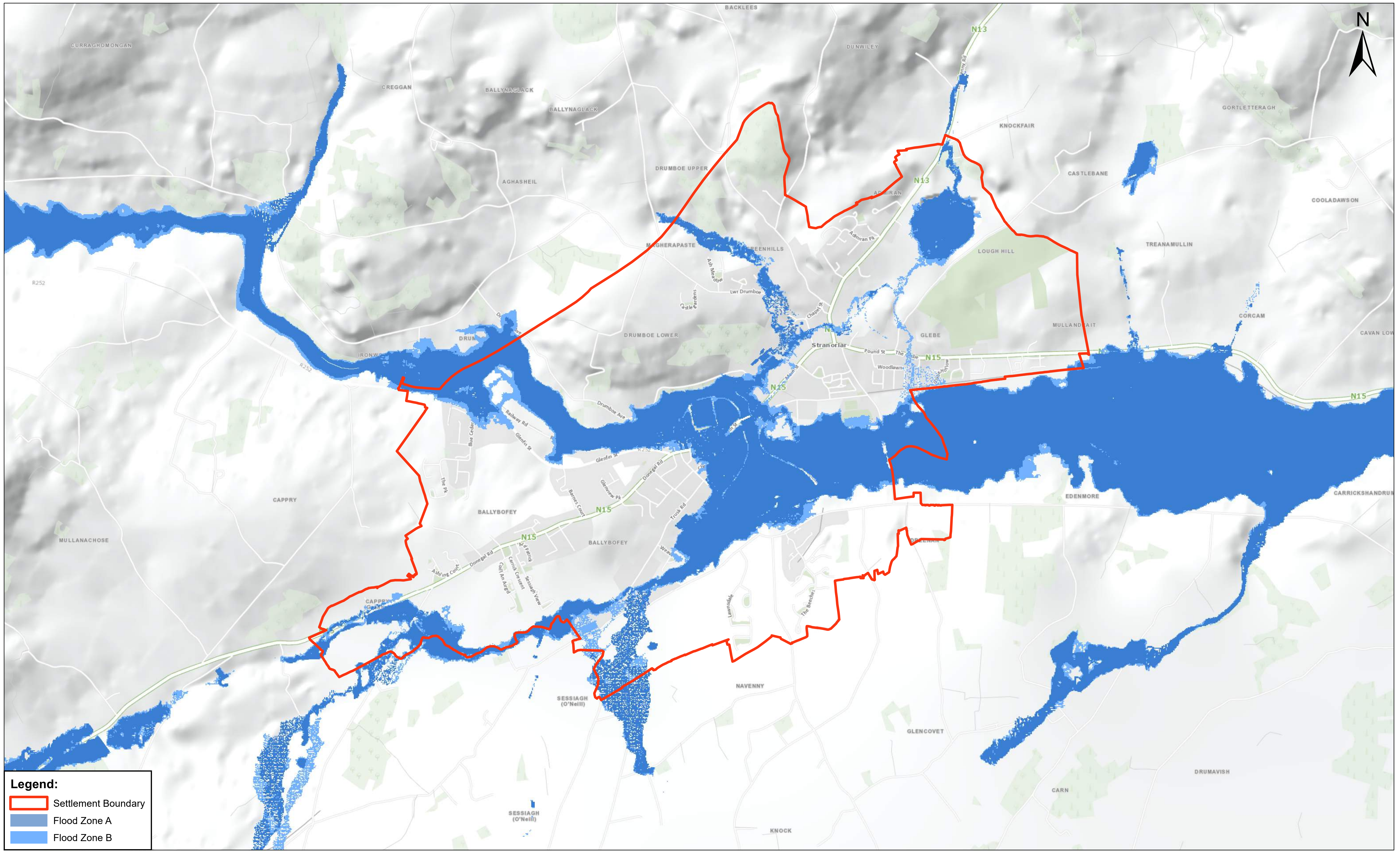
No.	Revision	Date	By	Chk'd	App'd
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P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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LA	AS	WV	JPR	S2 - For Information

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Drawing Title	SFRA FLOOD ZONE MAPPING - BUNDORAN SHEET 2 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:10,000	Date	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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Drawing Title	SFRA FLOOD ZONE MAPPING - BALLYBOFEY STRANORLAR SHEET 3 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40003	DSFRA	ROD	EWE	SW_AE	DR	EN	40003
Scale (A1)	1:10,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



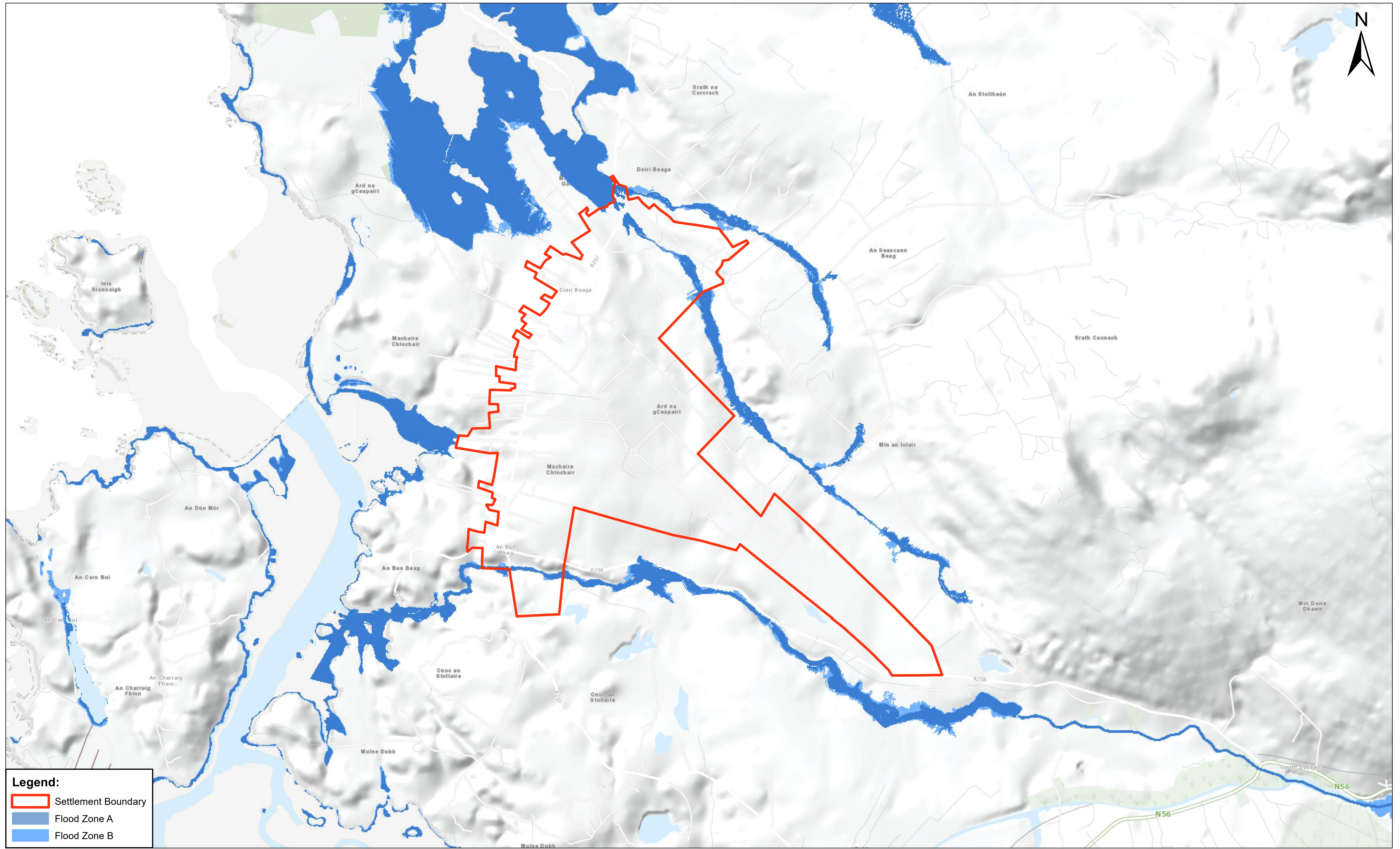
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



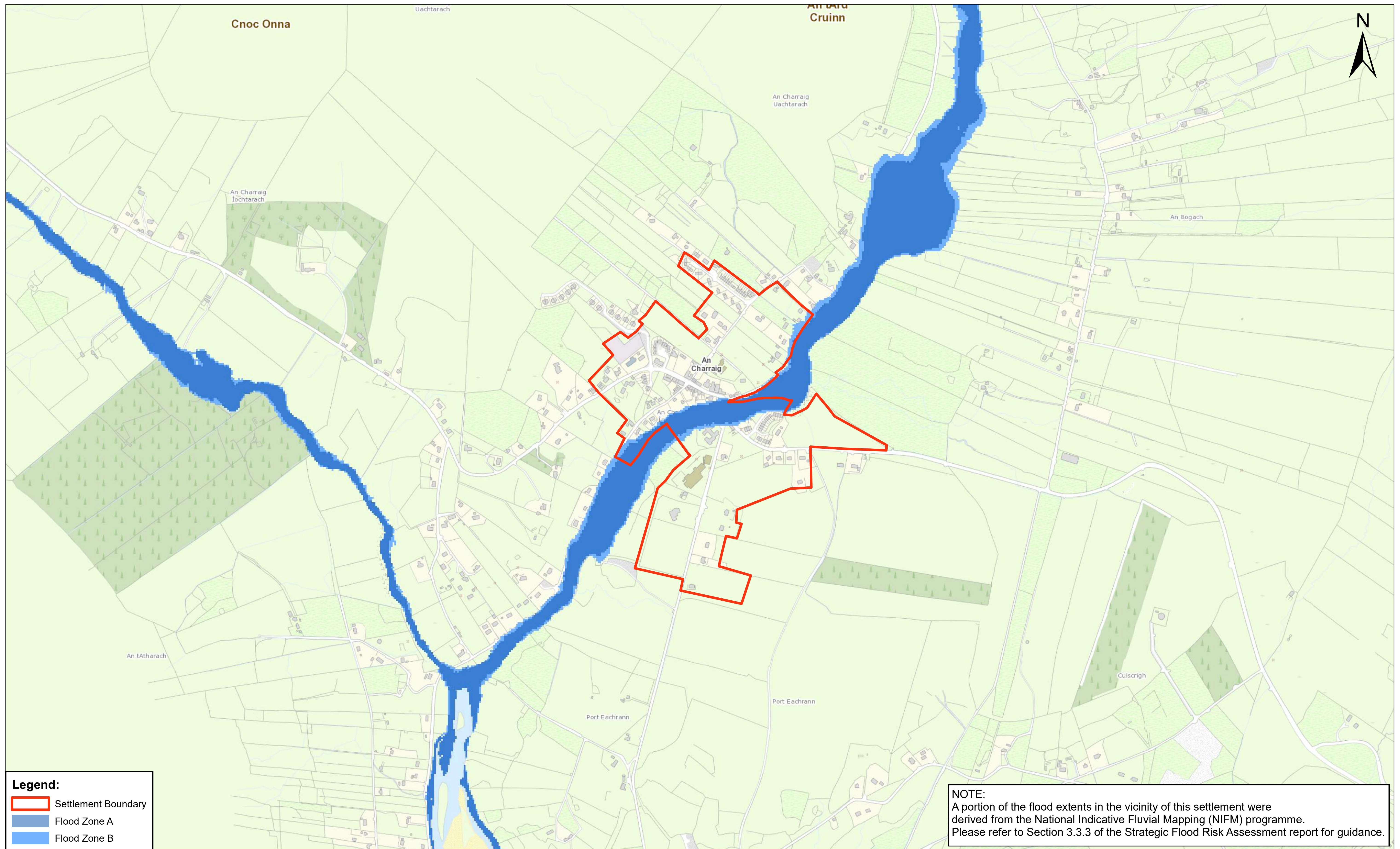
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P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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40005	DSFRA	ROD	EWE	SW_AE	DR	EN	40005
Scale (A1)	1:10,000	Date	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



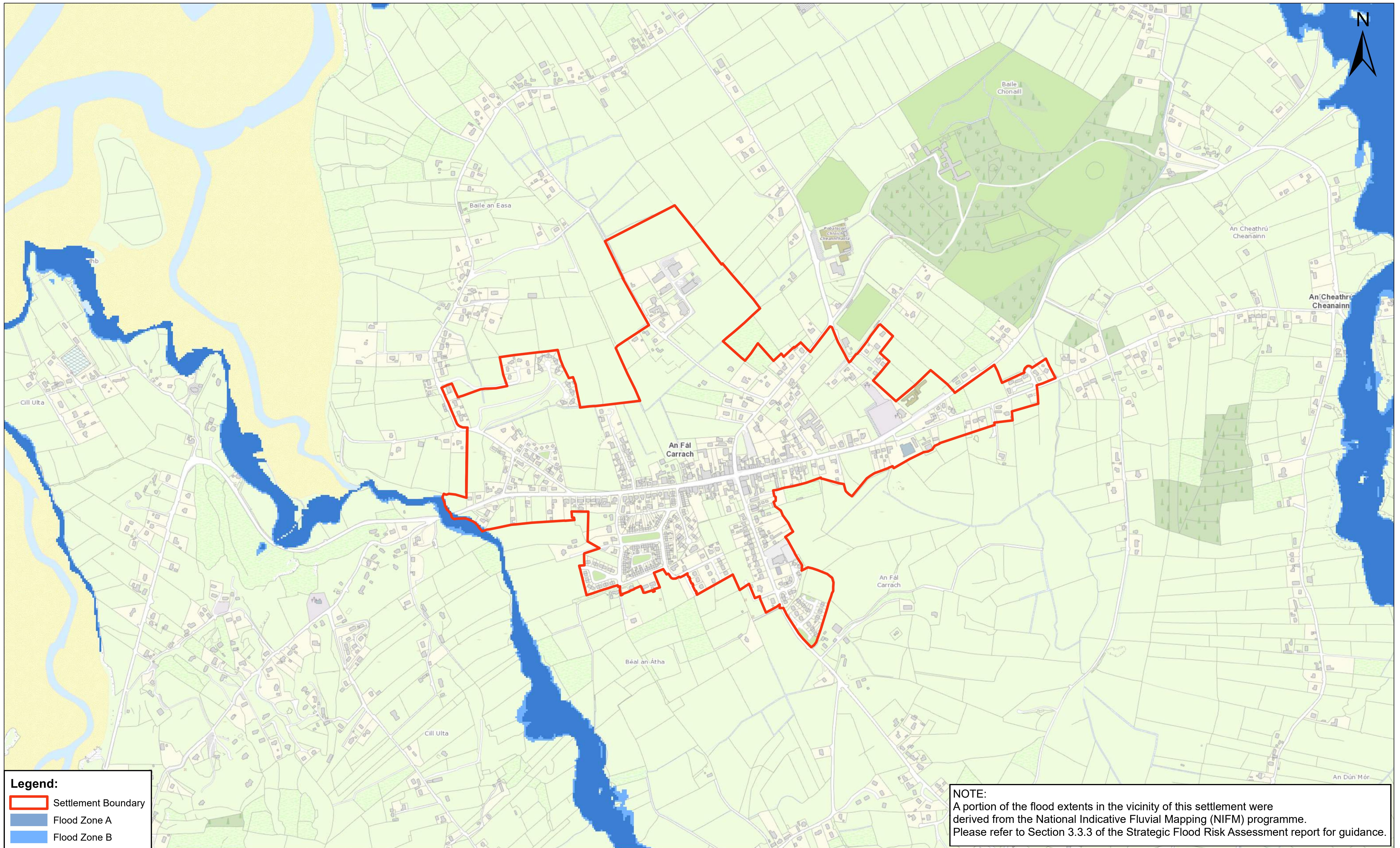
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P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

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Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
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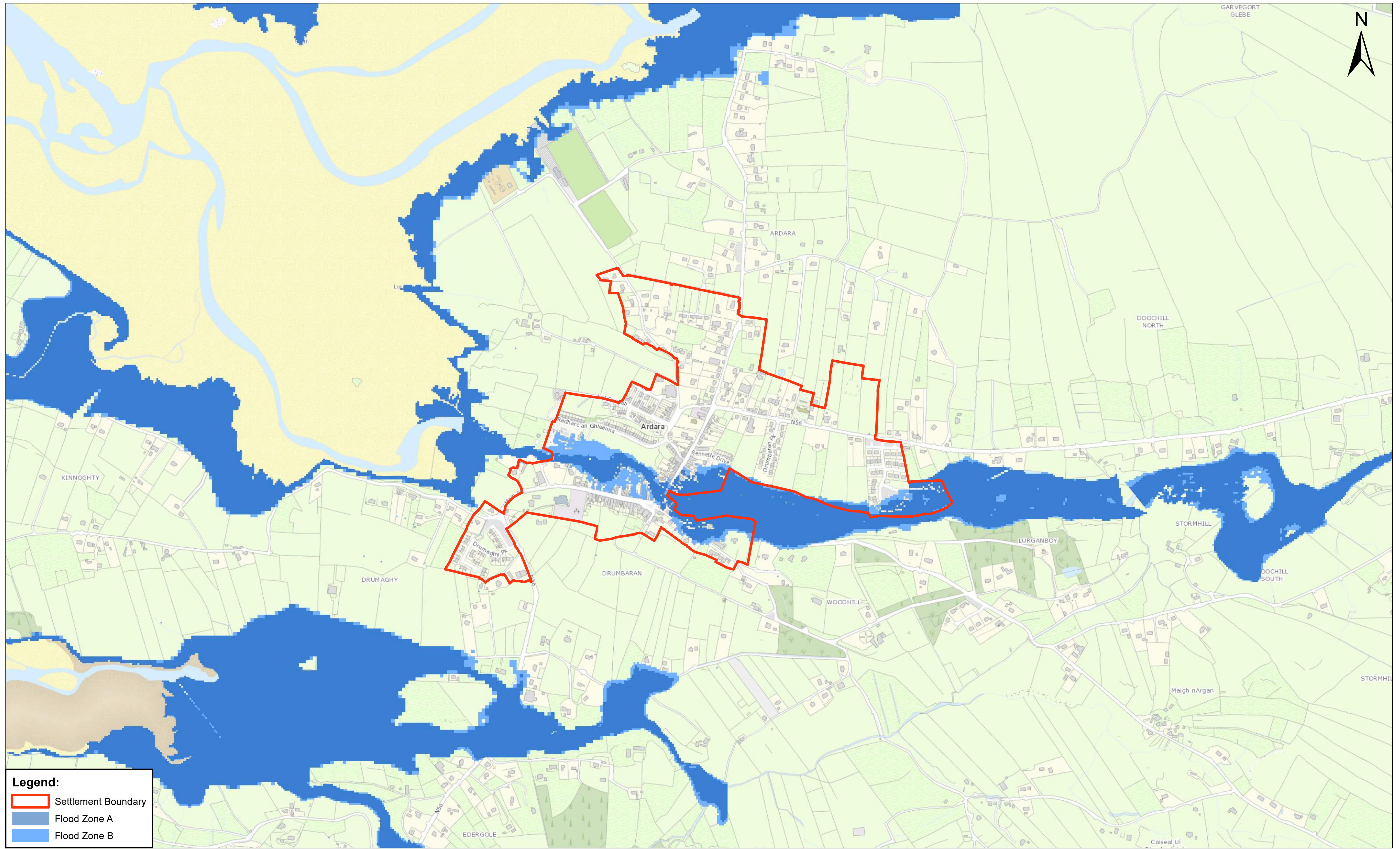
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P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - AN FÁL CARRACH SHEET 7 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
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P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

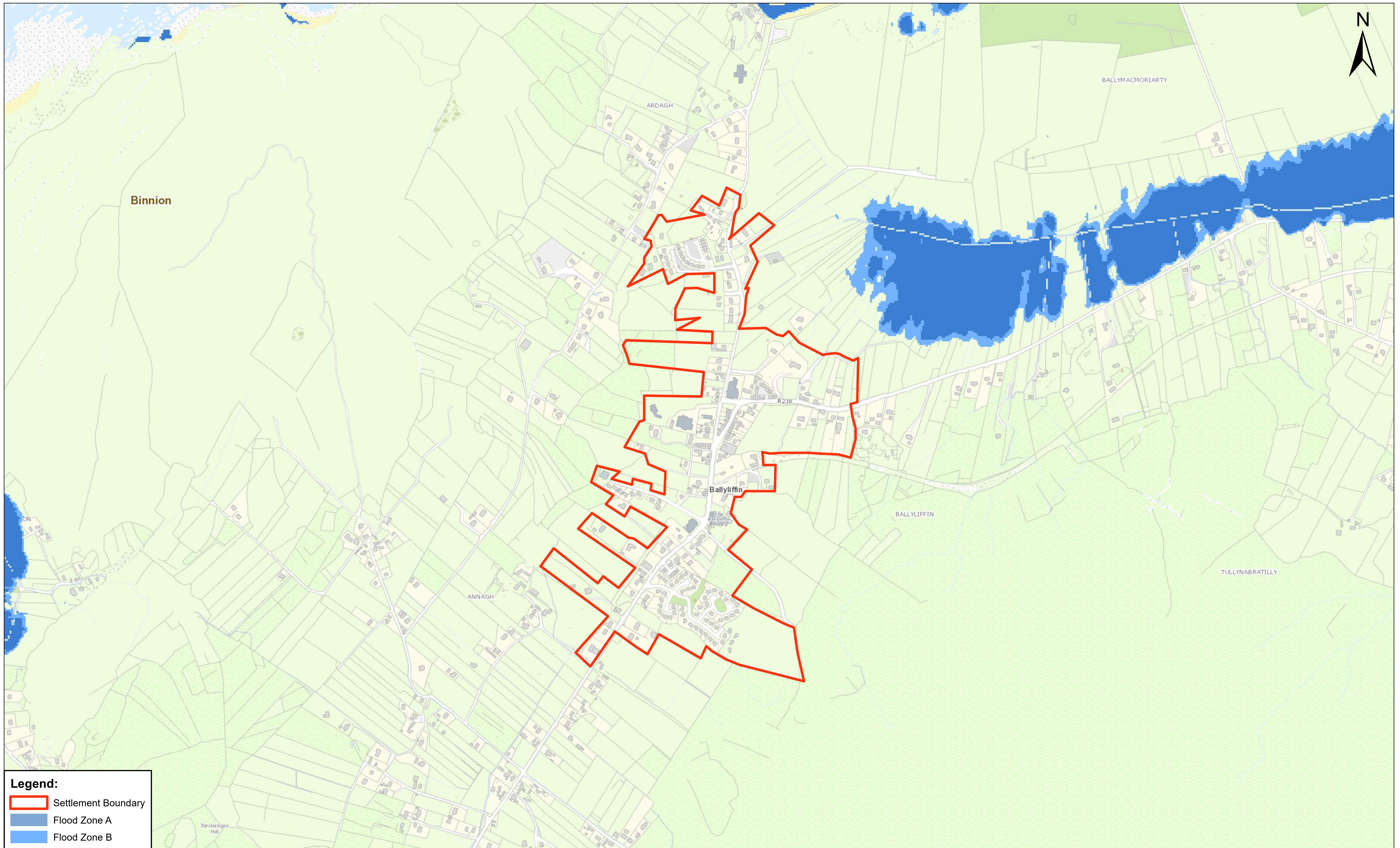


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Drawing Title	SFRA FLOOD ZONE MAPPING - ARDARA SHEET 8 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
DSFRA	ROD	EWE	SW_AE	DR	EN		40008
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
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P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

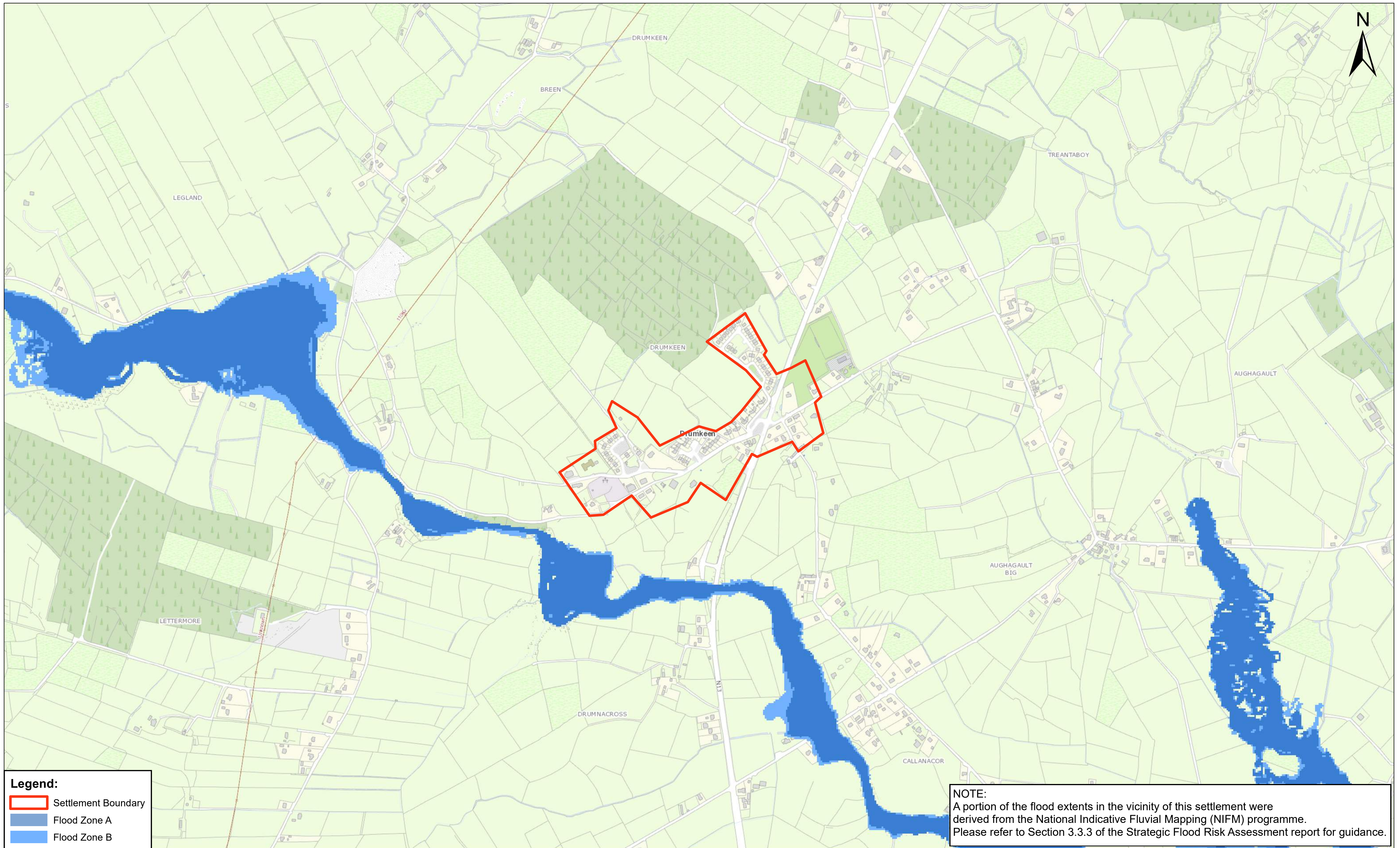
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LA	AS	WV	JPR	S2 - For Information

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Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



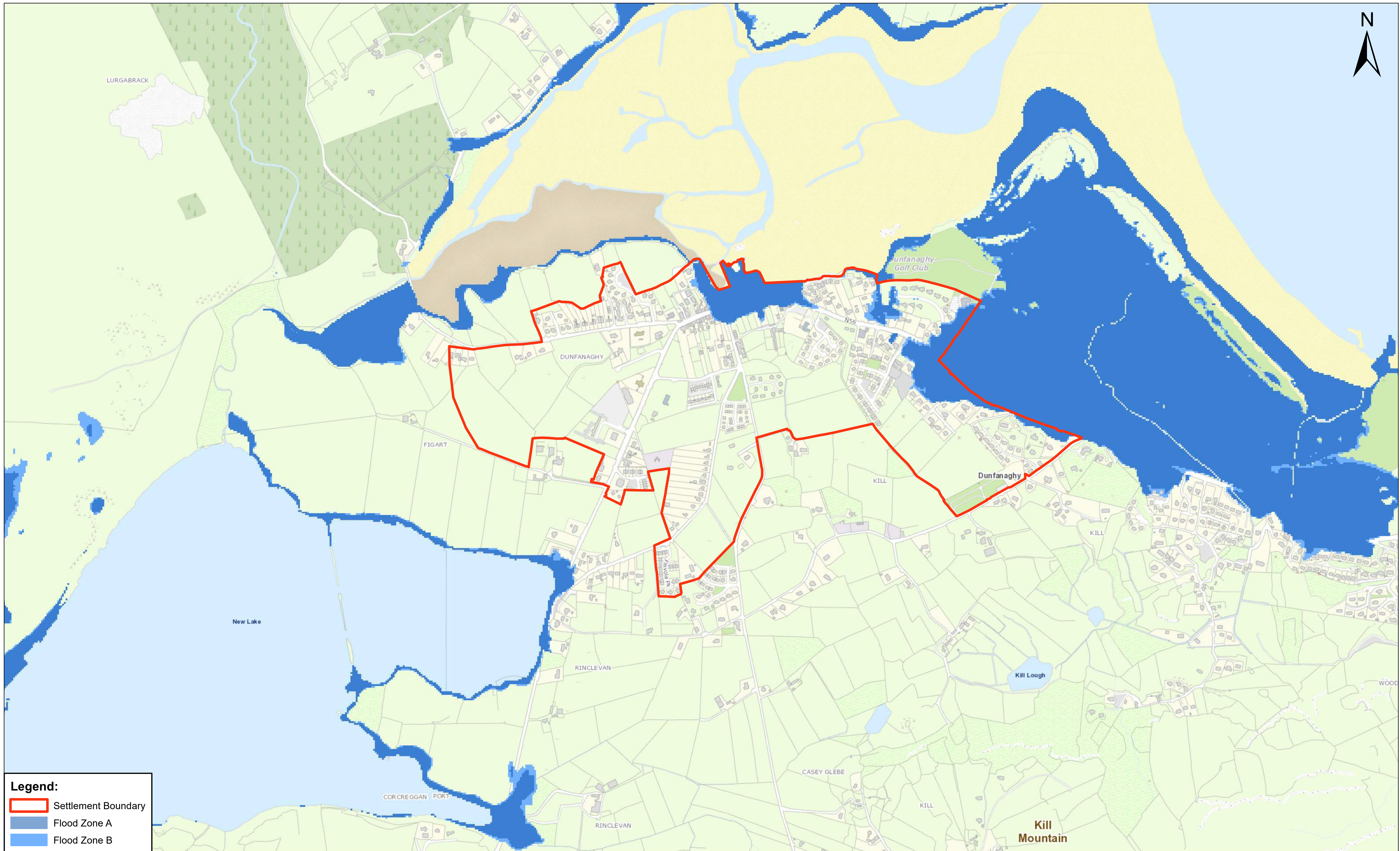
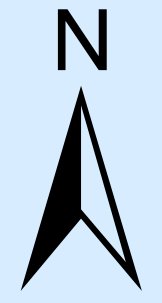
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P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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LA	AS	WV	JPR	S2 - For Information

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



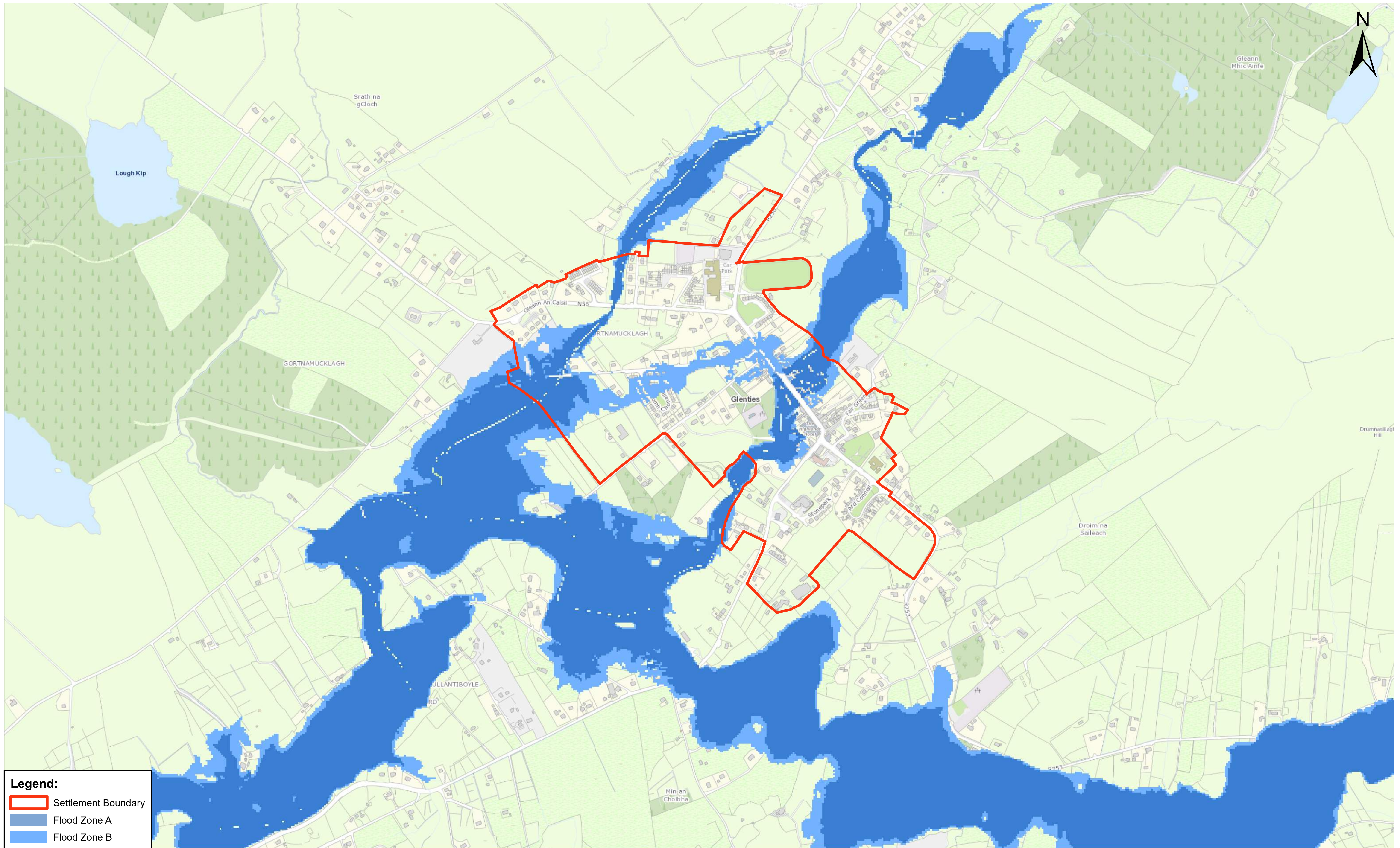
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
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Drawing Title	SFRA FLOOD ZONE MAPPING - DUNFANAGHY SHEET 11 OF 57						
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Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

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Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - GLENTIES SHEET 12 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



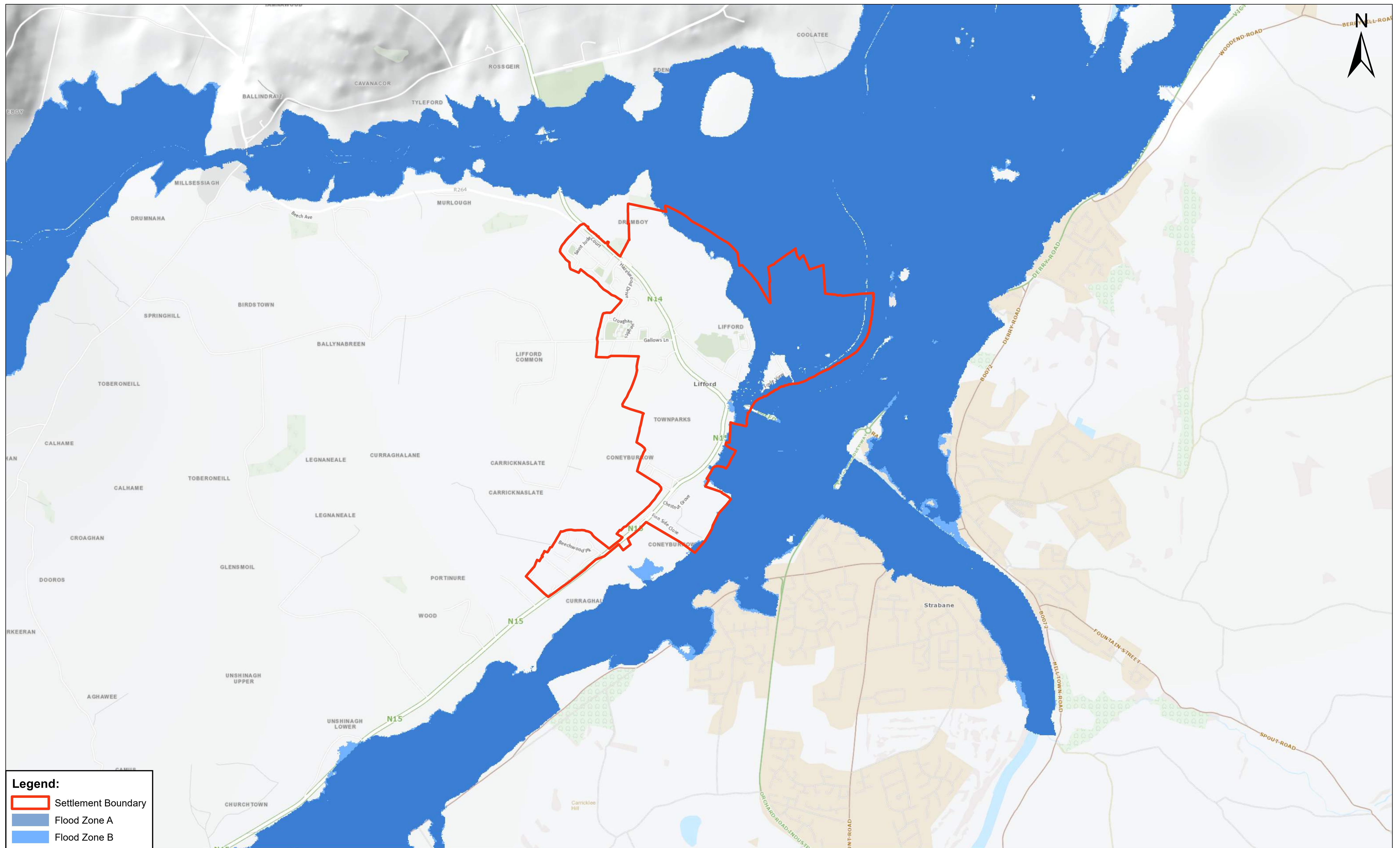
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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - GREENCASTLE SHEET 13 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



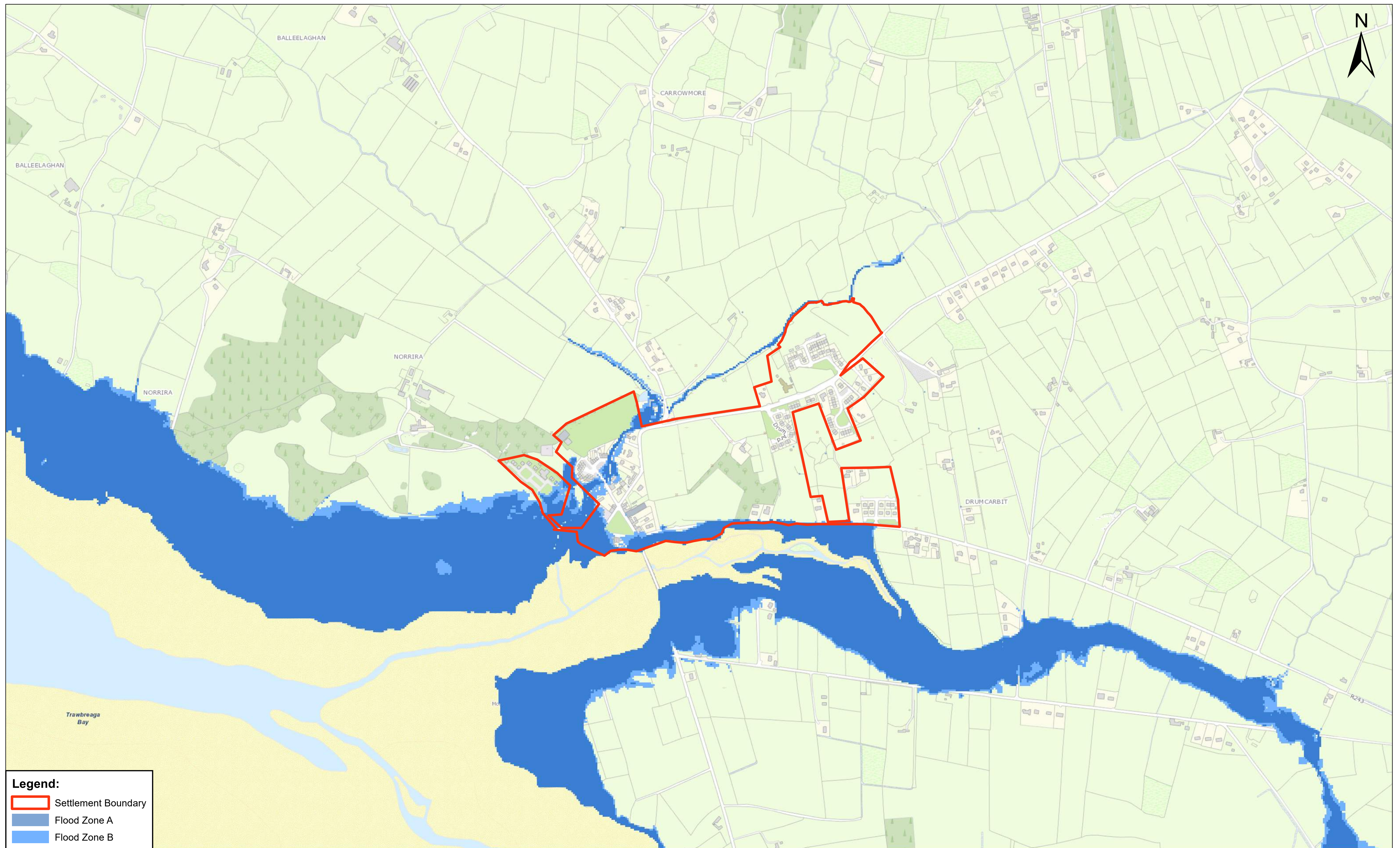
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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

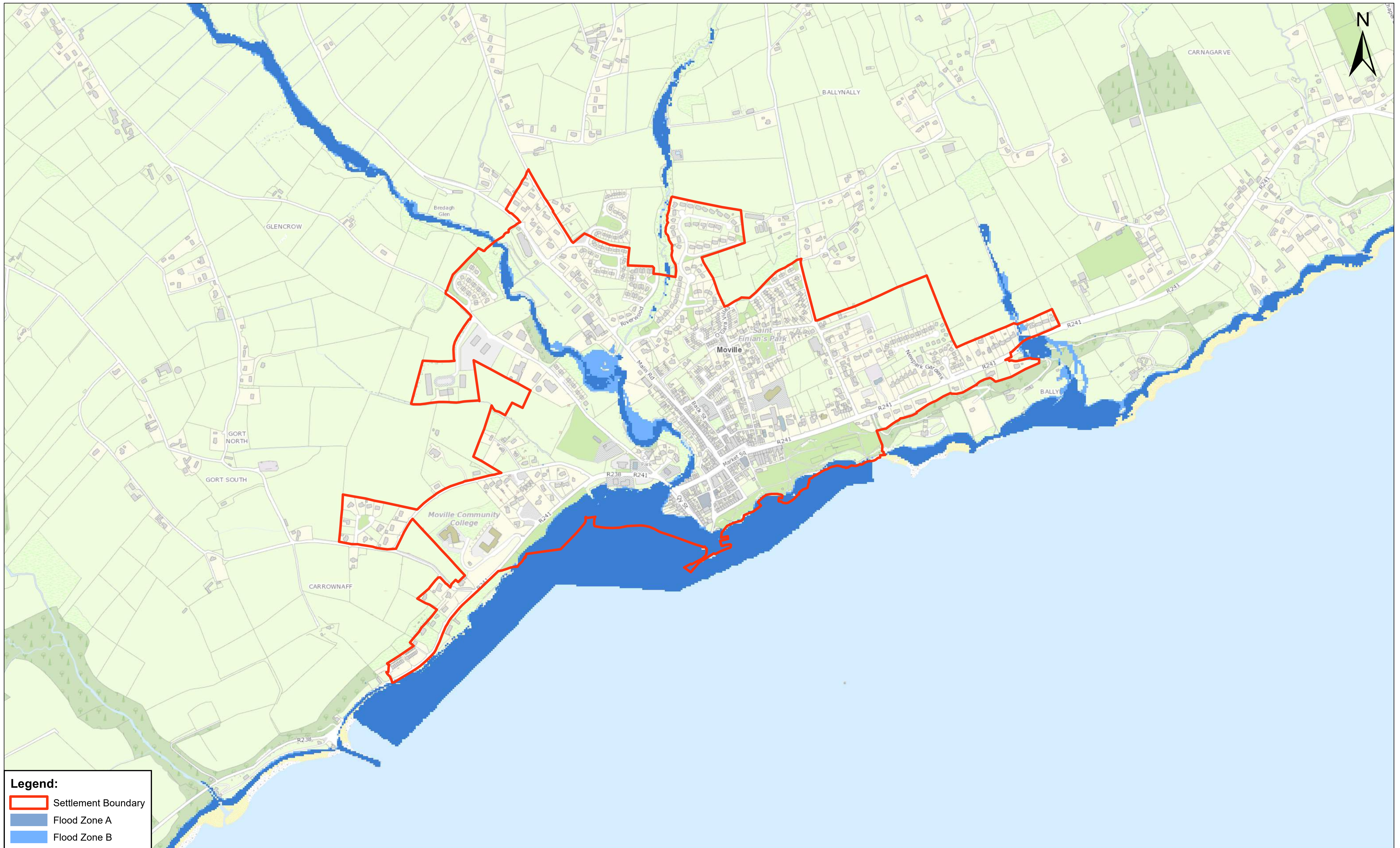


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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - MALIN SHEET 15 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

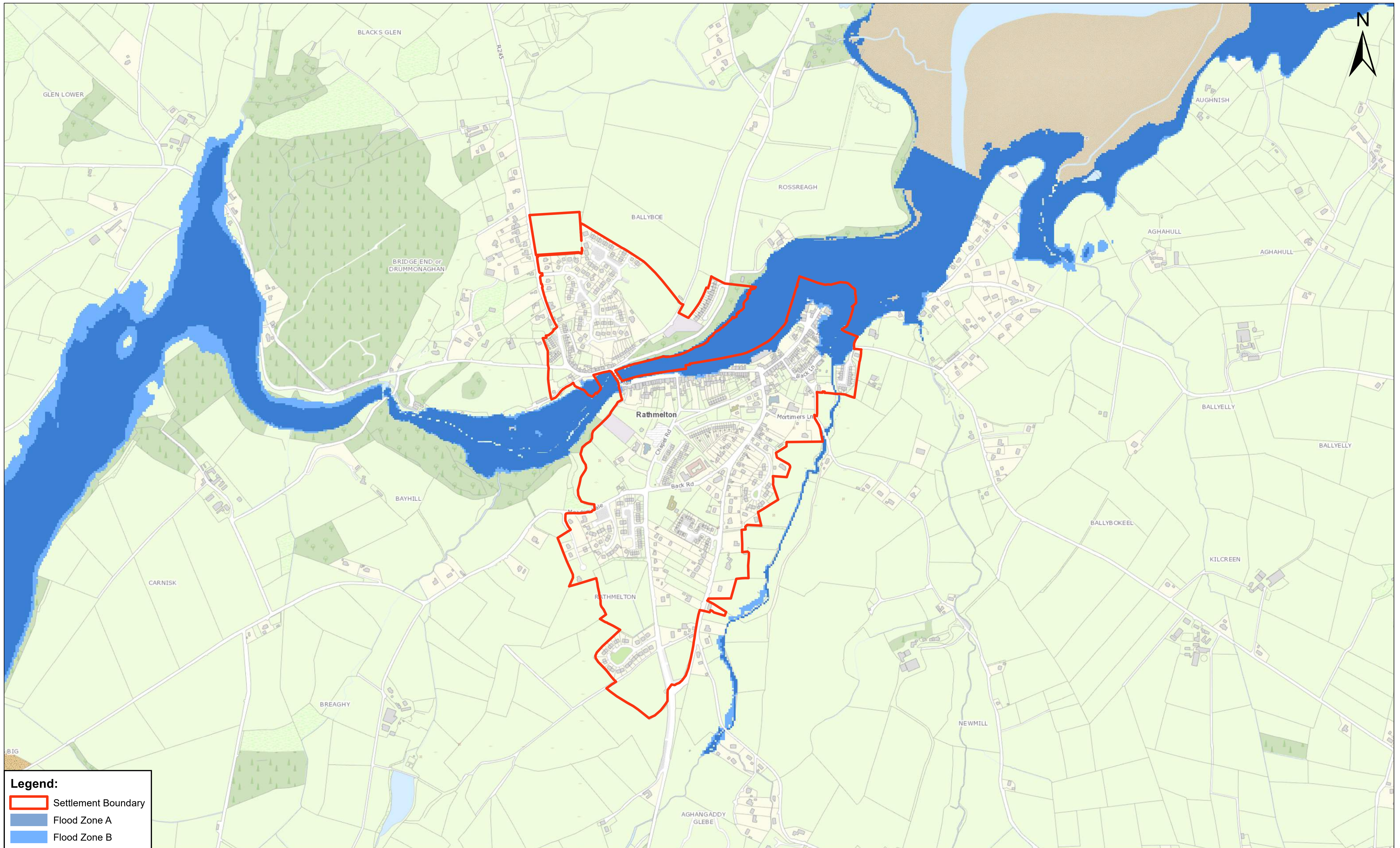


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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - MOVILLE SHEET 16 OF 57						
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Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



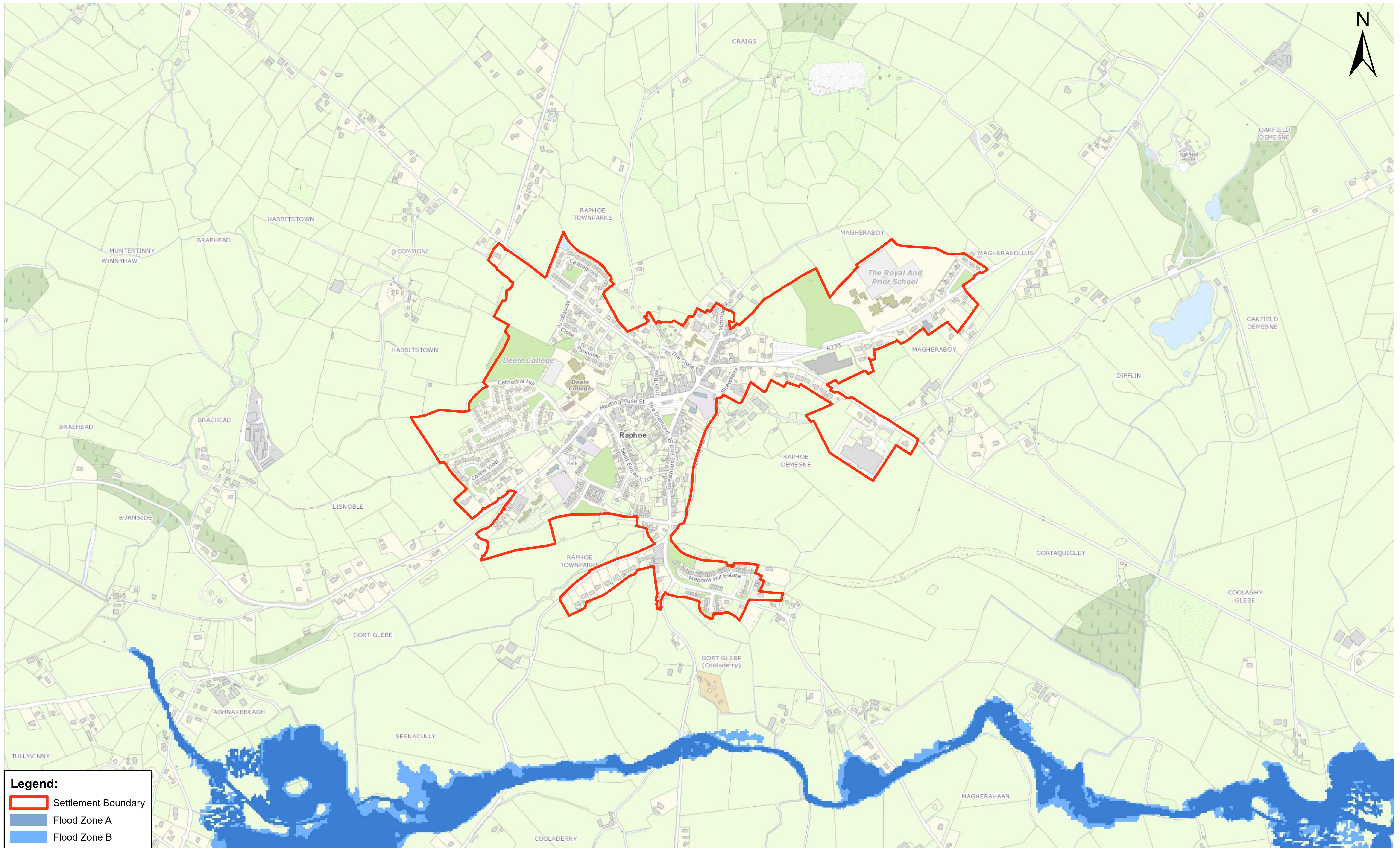
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - RAMELTON SHEET 17 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40017
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



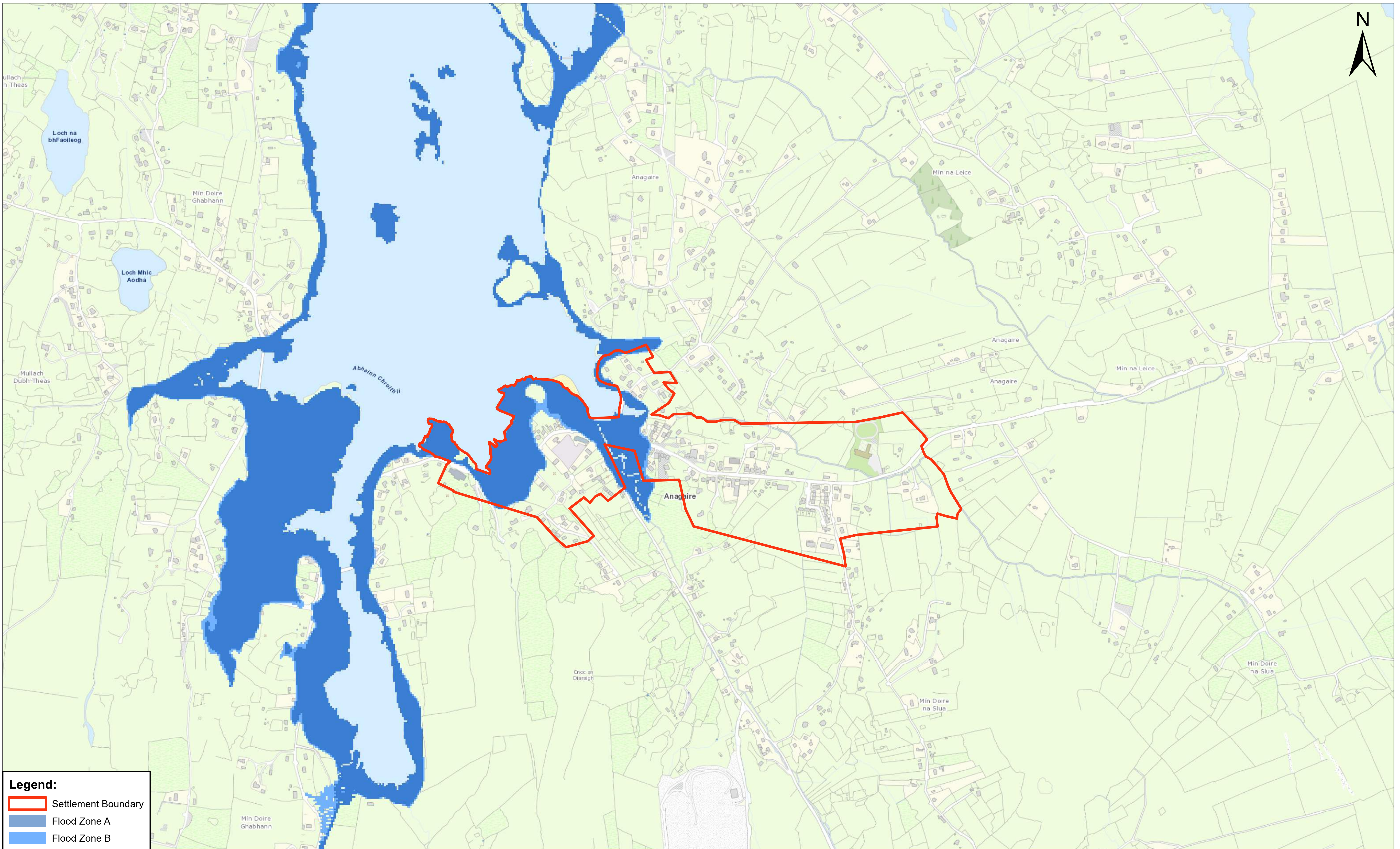
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - RAPHOE SHEET 18 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40018
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

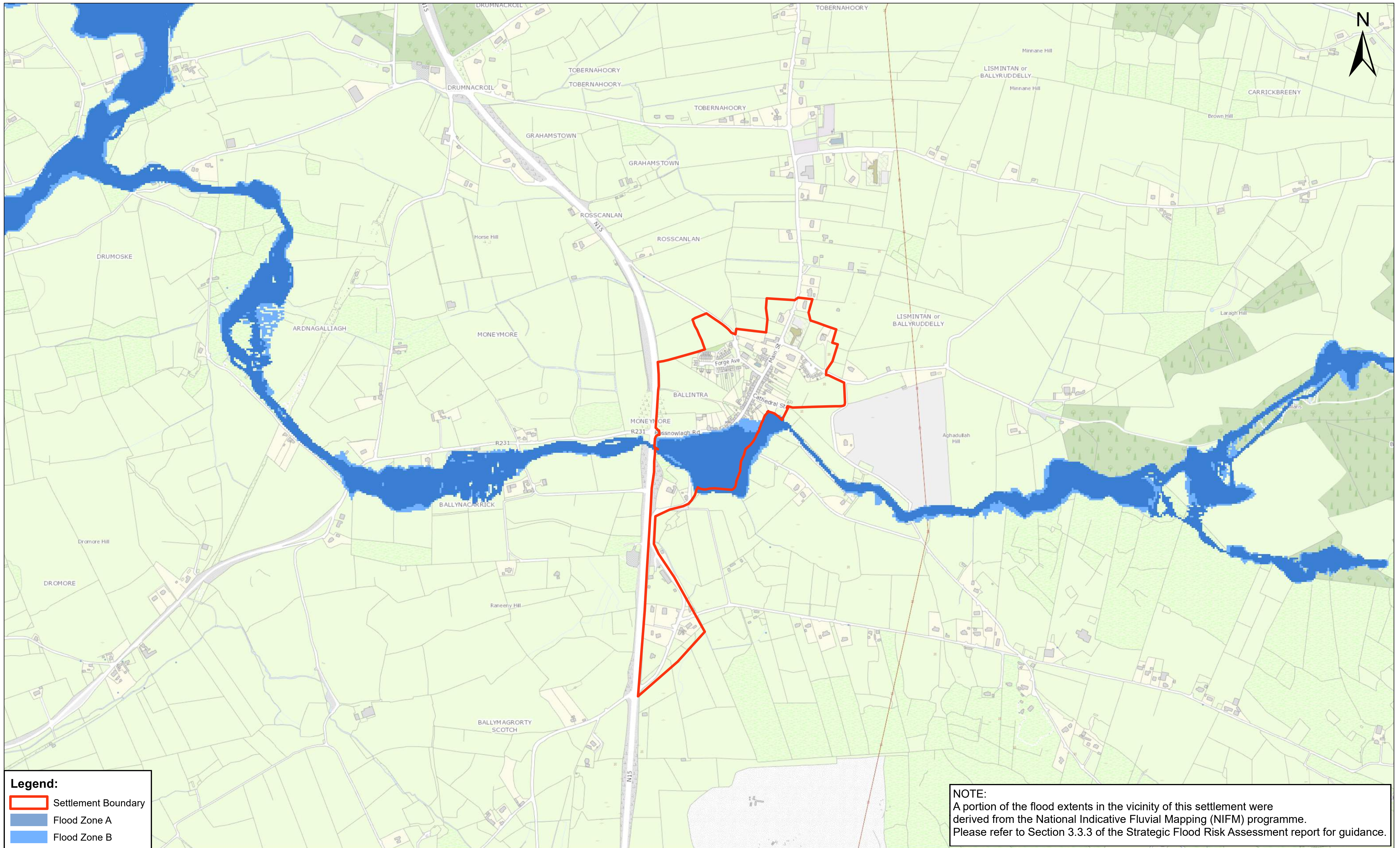


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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - ANNAGRY SHEET 19 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
Scale (A1)	DSFRA	ROD	EWE	SW_AE	DR	EN	40019
Date	1:5,000	February 2023	Job No:	22.153	Rev:	P03	

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



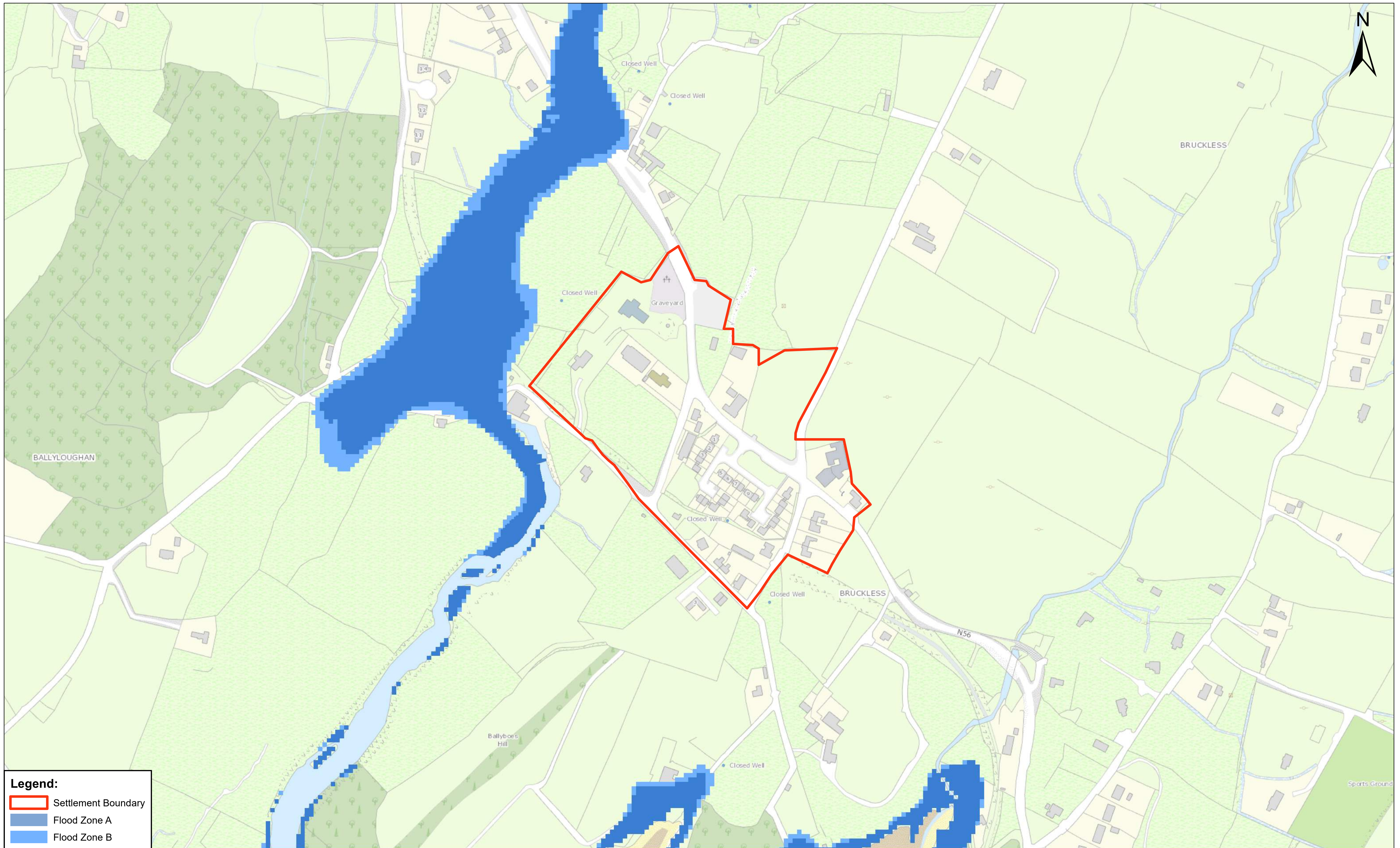
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - BALLINTRASHEET 20 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40020
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - BRUCKLESS SHEET 21 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40021	DSFRA	ROD	EWE	SW_AE	DR	EN	40021
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



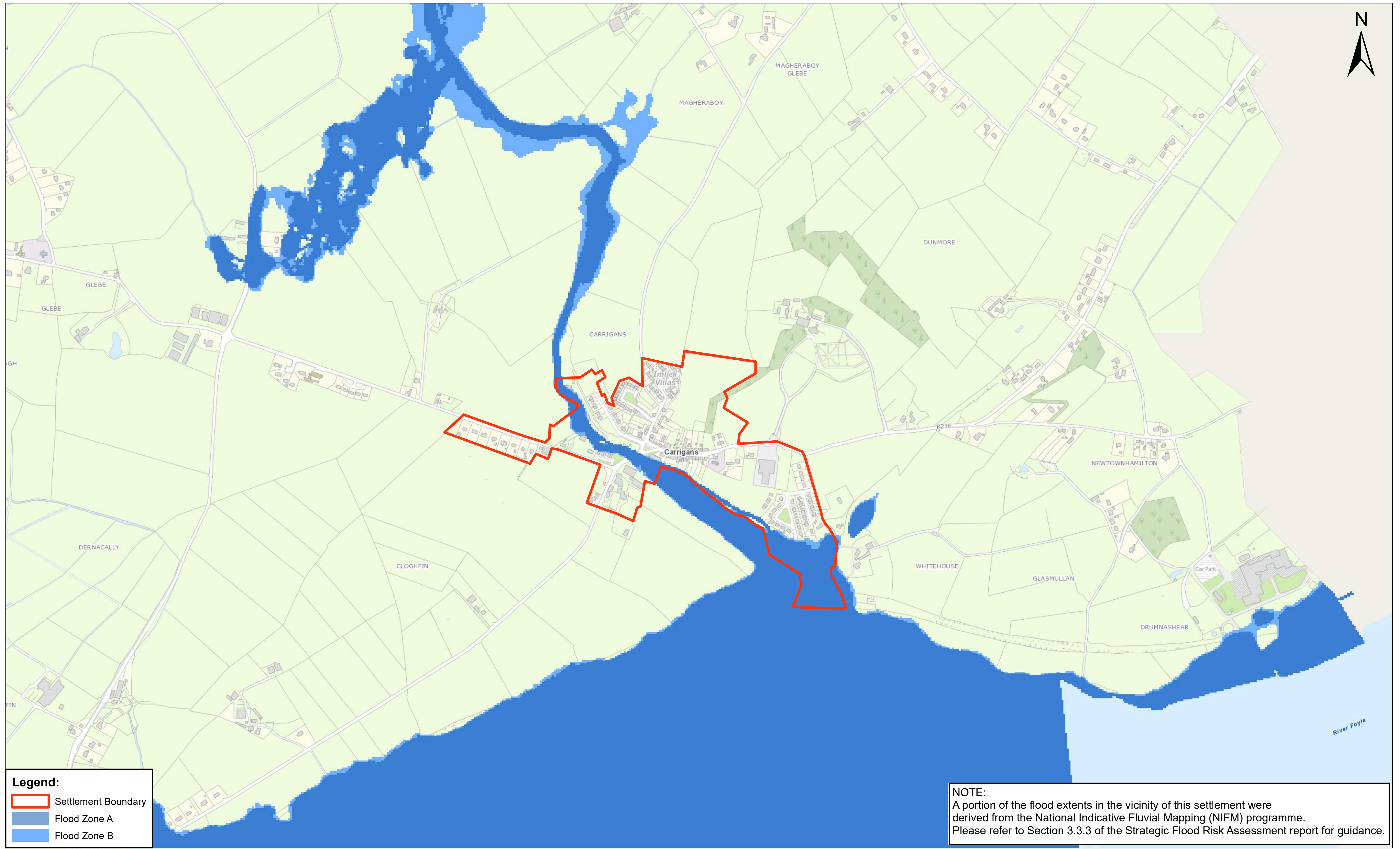
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - BURNFOOT SHEET 22 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40022
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

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No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - CARRIGANS SHEET 23 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40023	DSFRA	ROD	EWE	SW_AE	DR	EN	40023
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



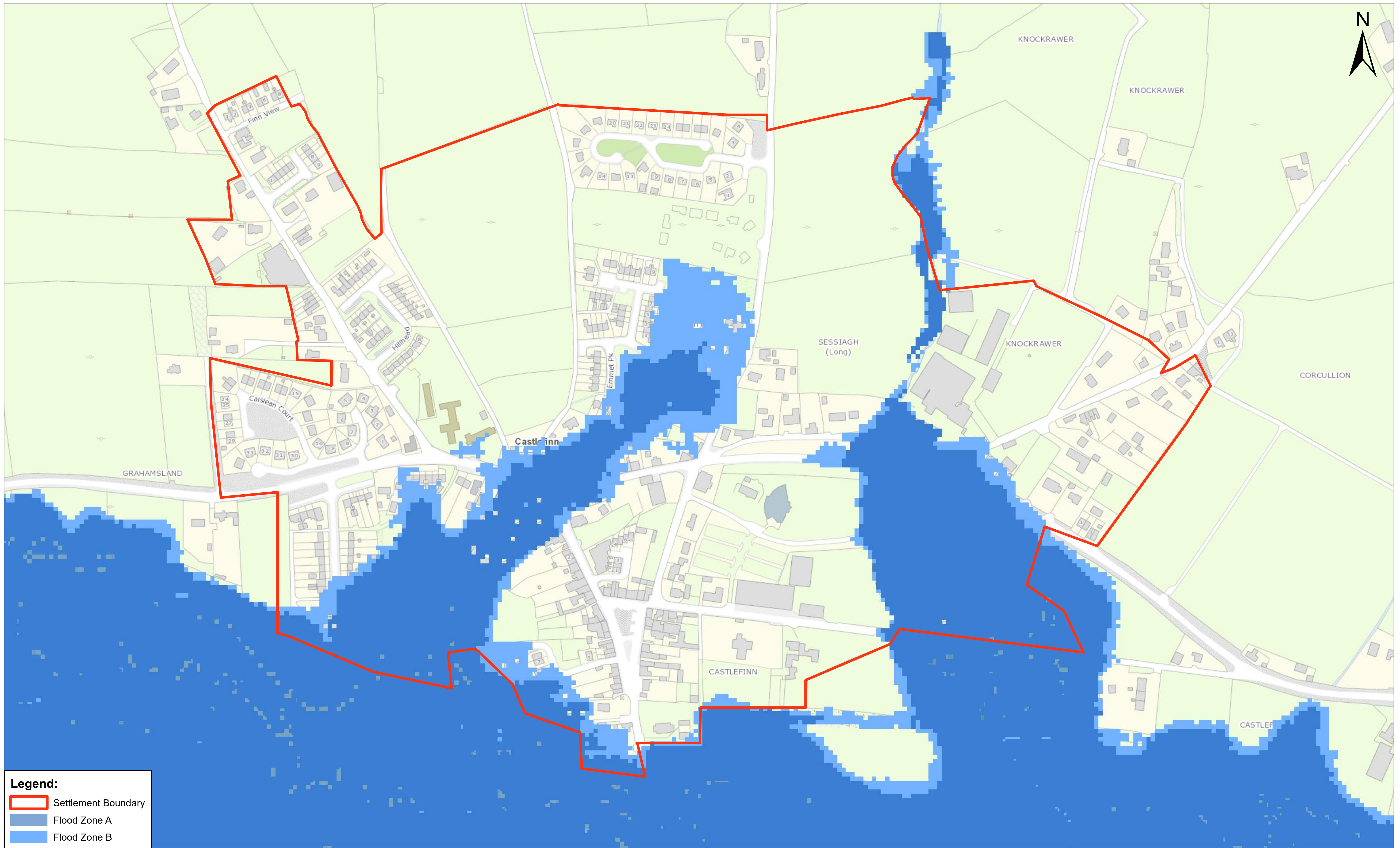
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - CARRIGART SHEET 24 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40024
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



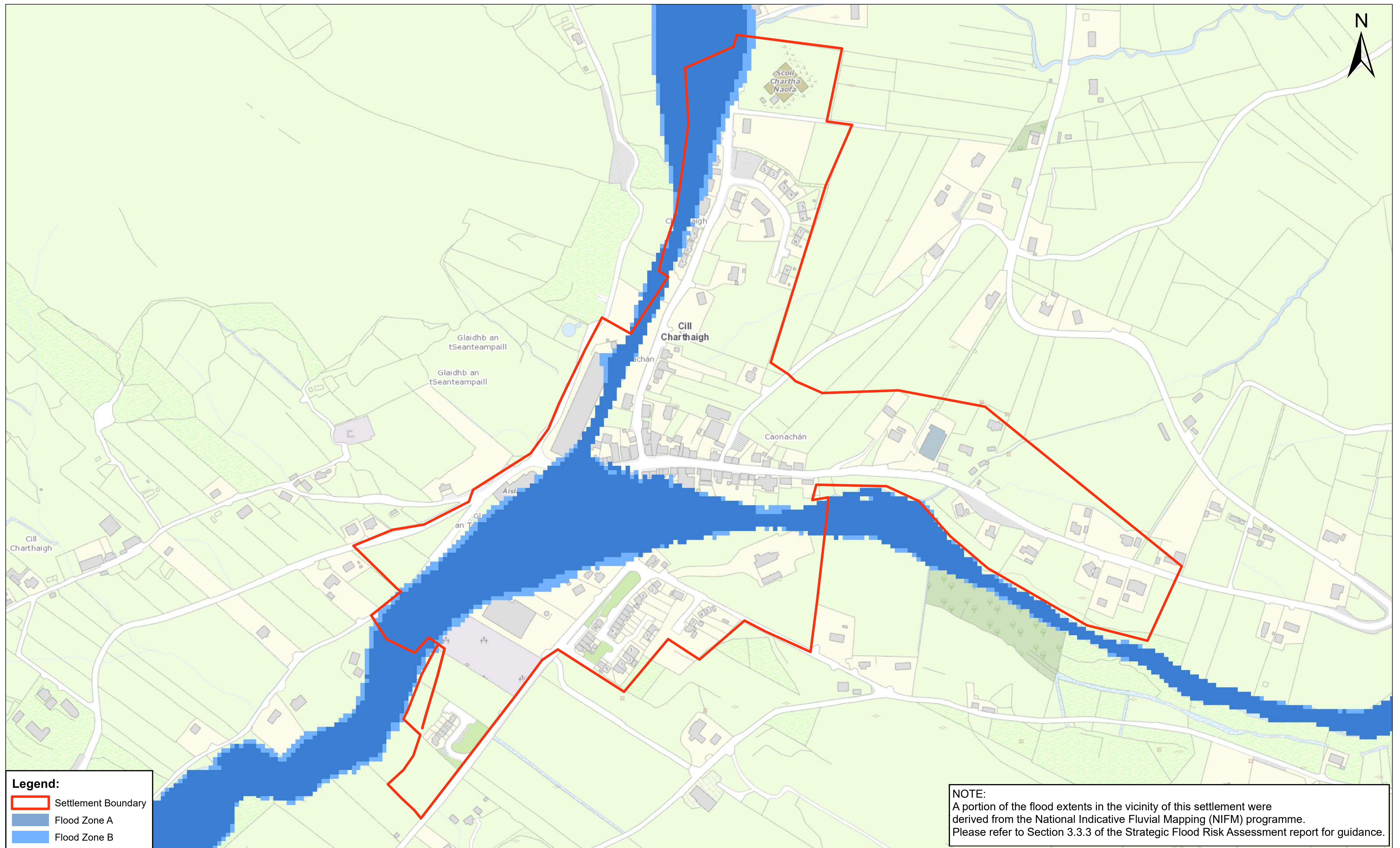
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	SFRA FLOOD ZONE MAPPING - CASTLEFINN SHEET 25 OF 57				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EW	SW_AE	DR - EN - 40025
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153 Rev: P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

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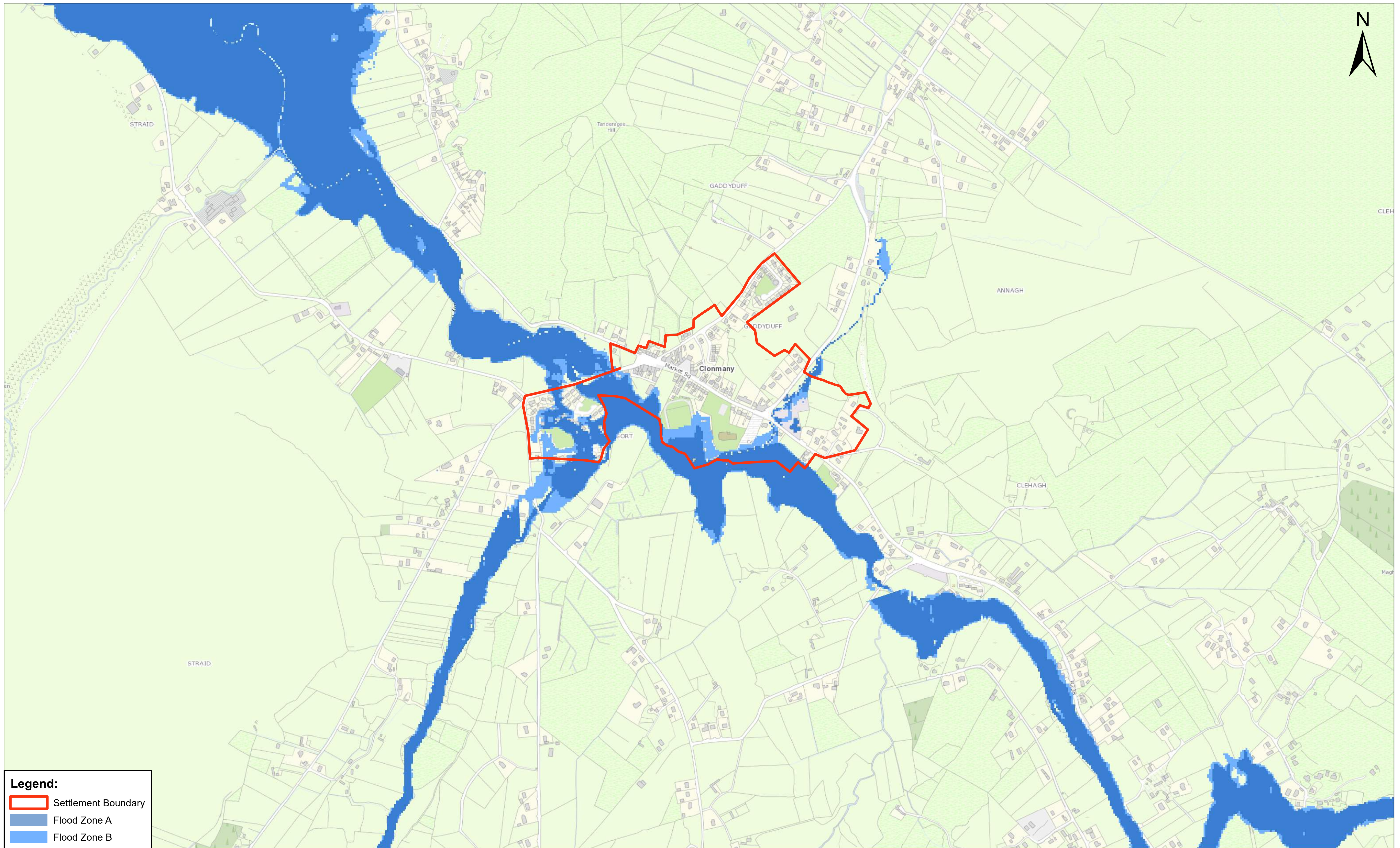
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - CILL CHARTHAIGH SHEET 26 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40026
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



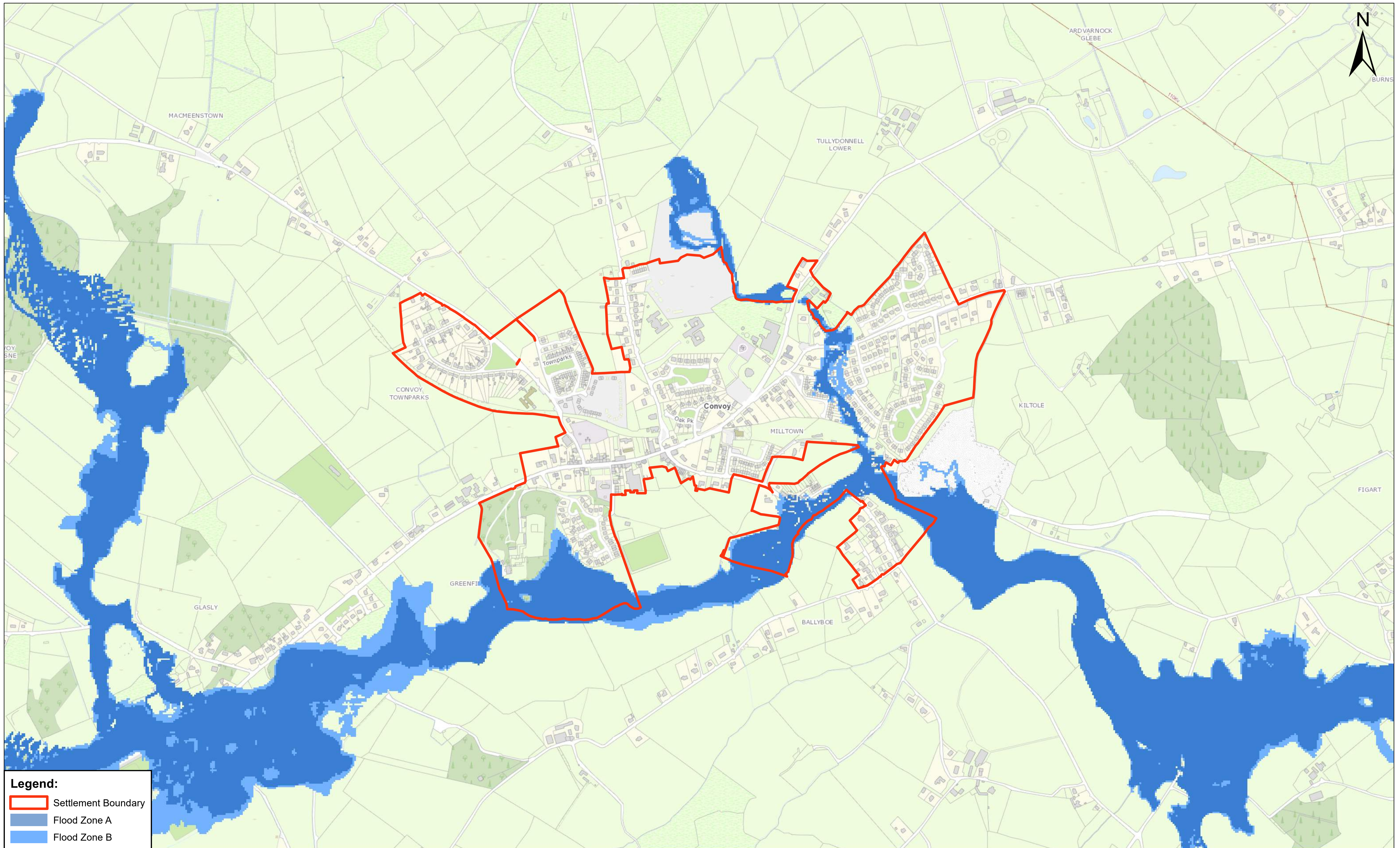
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - CLONMANY SHEET 27 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40027	DSFRA	ROD	EWE	SW_AE	DR	EN	40027
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

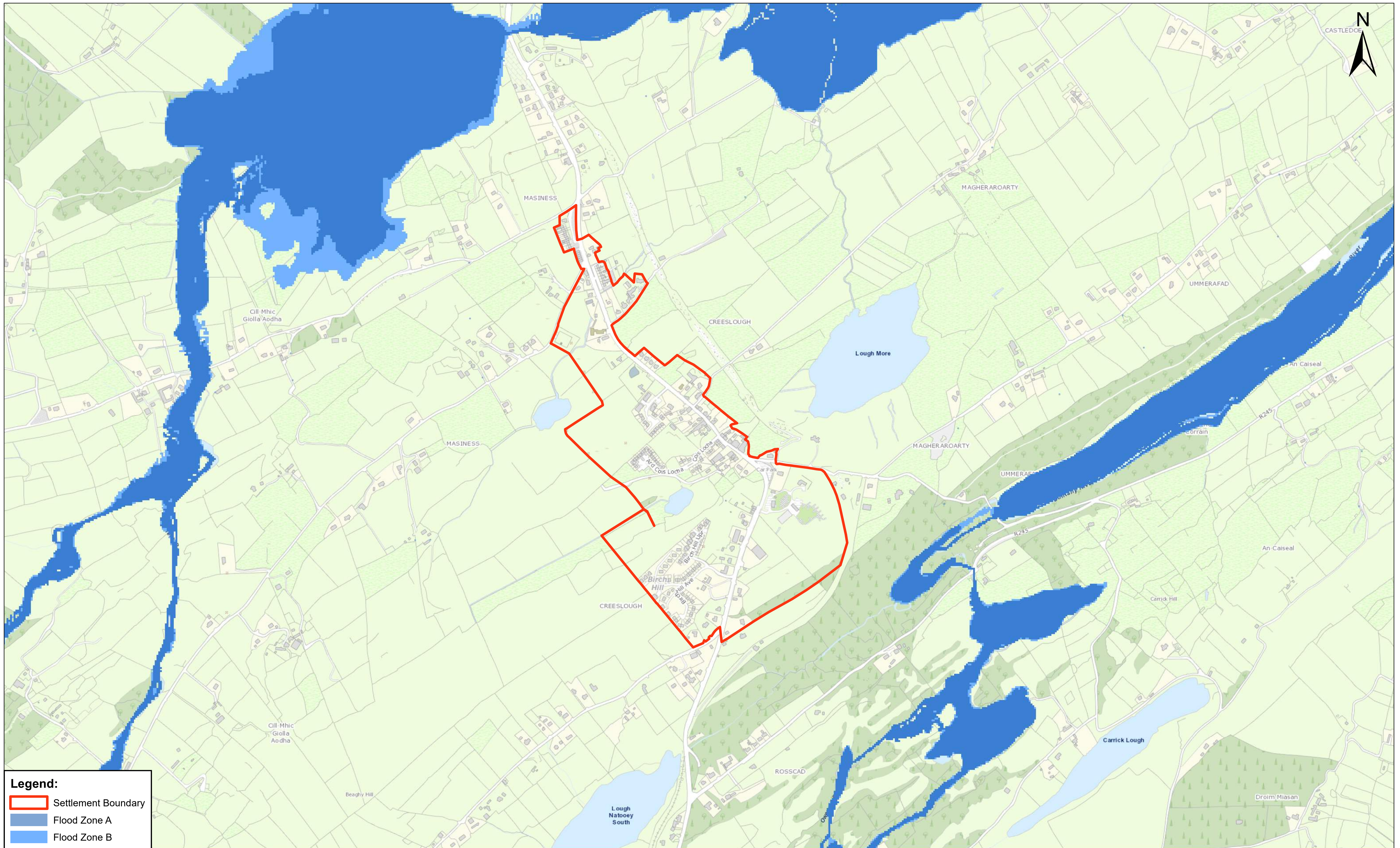


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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - CONVOYS SHEET 28 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40028	DSFRA	ROD	EWE	SW_AE	DR	EN	40028
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



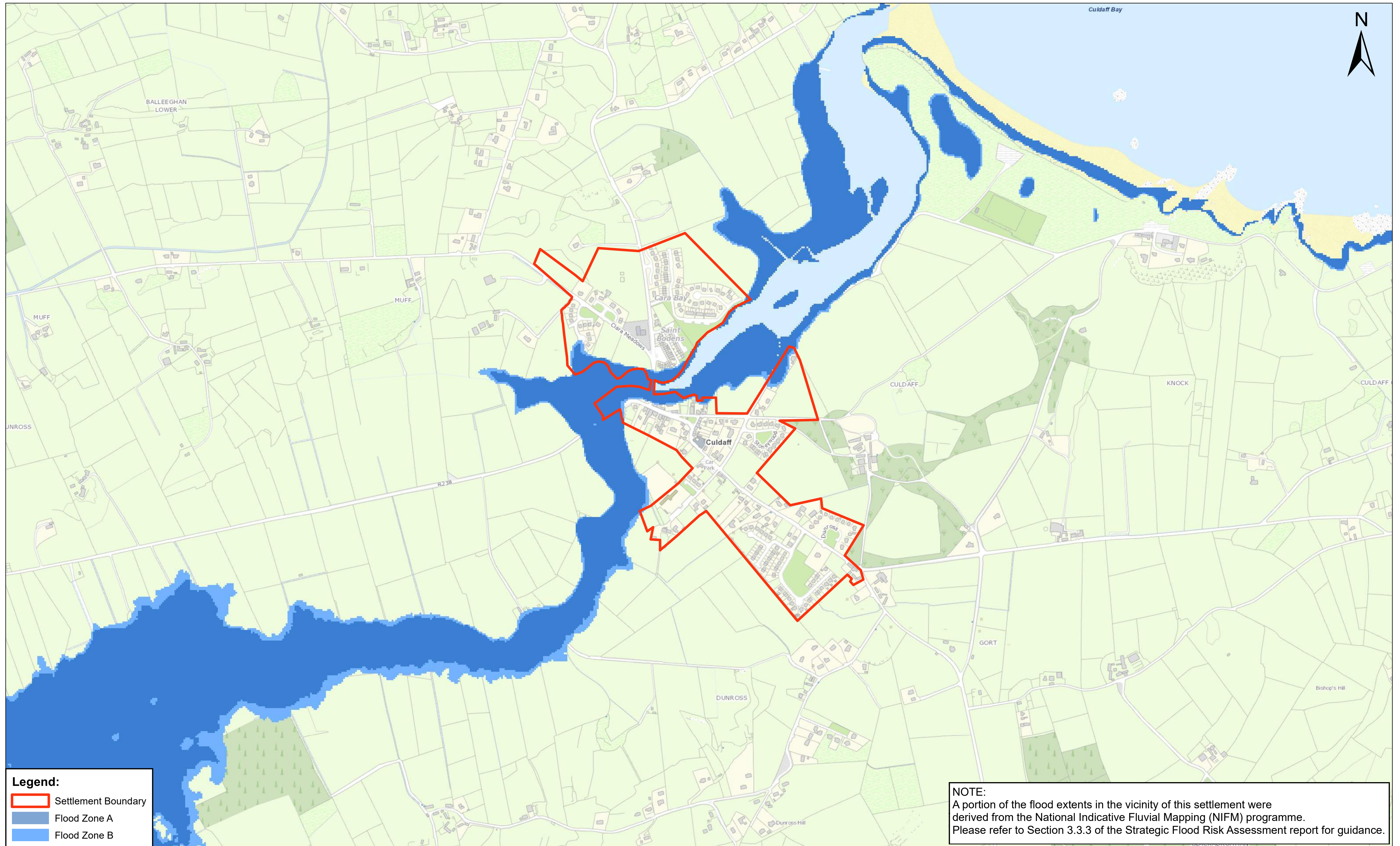
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - CREESLOUGH SHEET 29 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40029	DSFRA	ROD	EWE	SW_AE	DR	EN	40029
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
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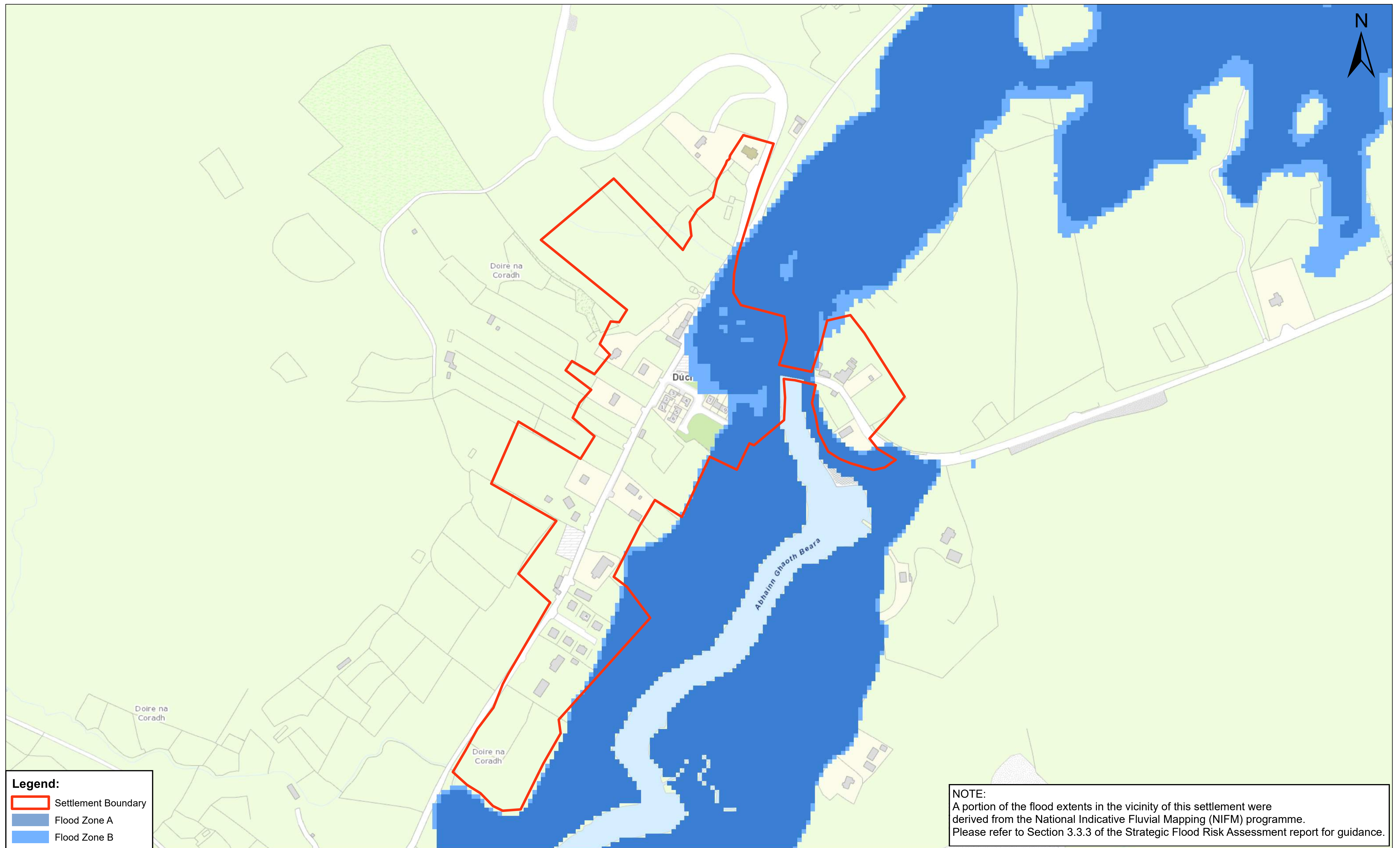
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - CULDAFF SHEET 30 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40030
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



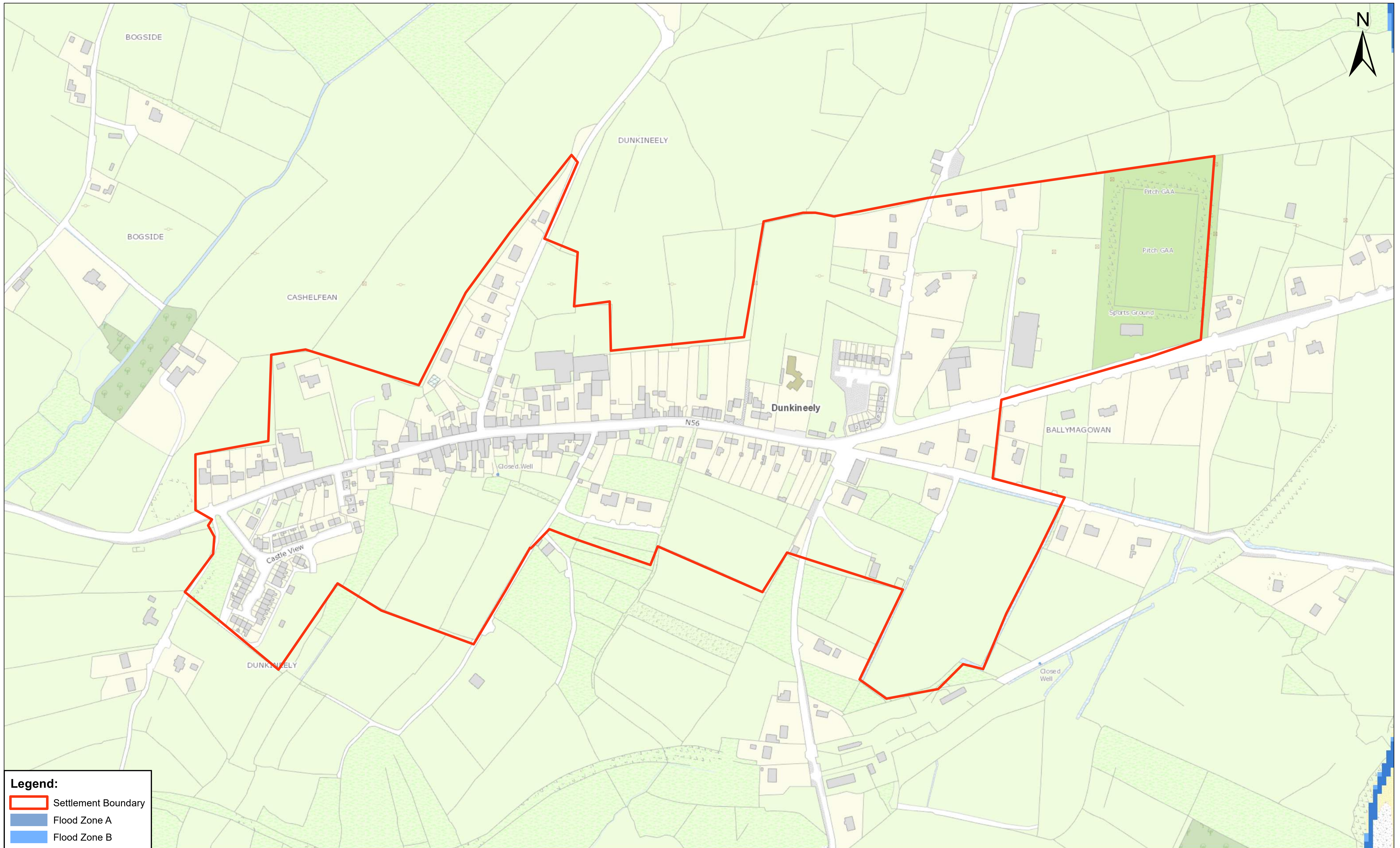
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - DOOCHARY SHEET 31 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40031
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - DUNKINEELY SHEET 32 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
Scale (A1)	DSFRA	ROD	EWE	SW_AE	DR	EN	40032
	1:2,000	Date: February 2023	Job No: 22.153	Rev: P03			



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - FAHAN SHEET 33 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40033
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

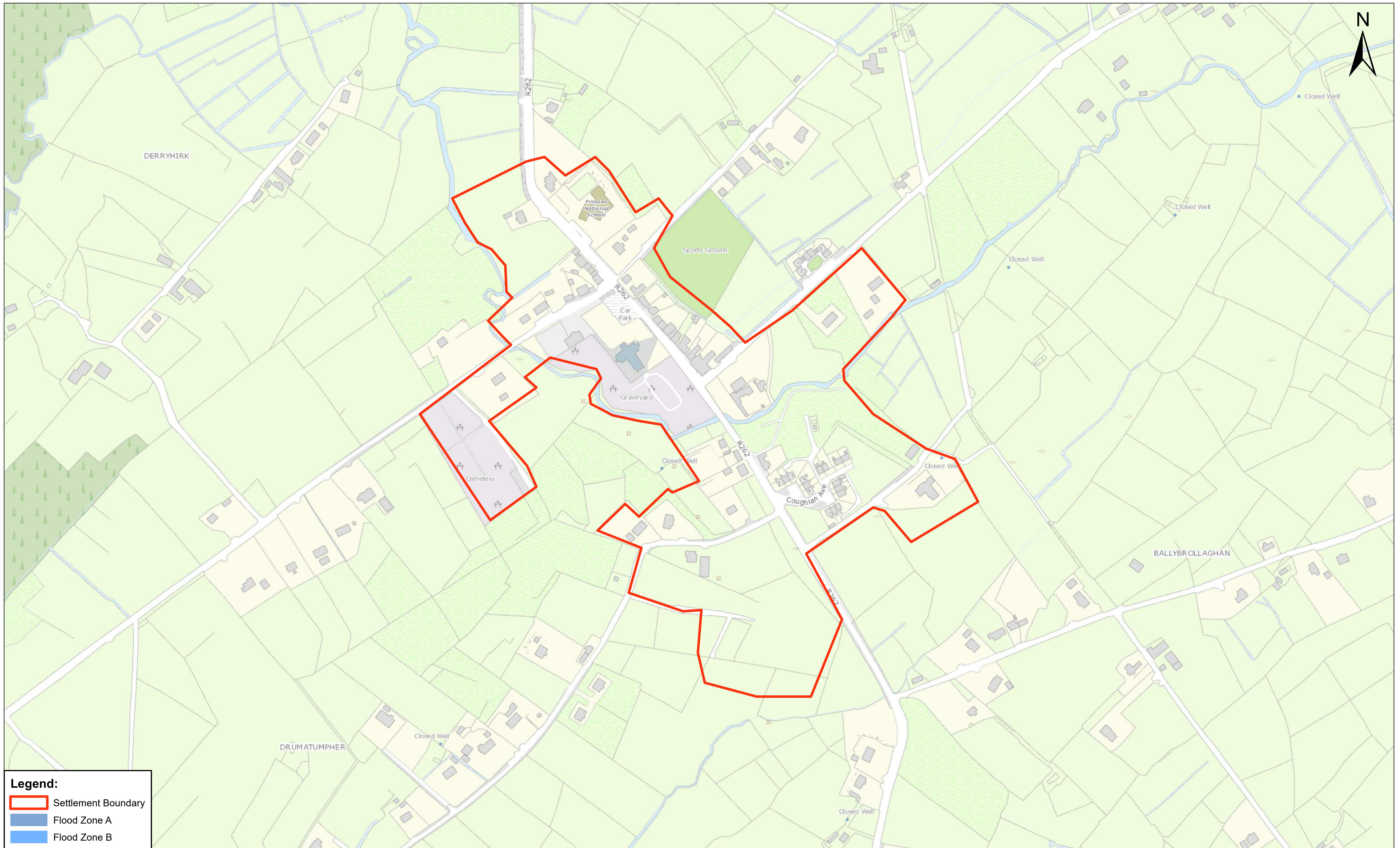


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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	SFRA FLOOD ZONE MAPPING - FINTOWN SHEET 34 OF 57				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
40034	DSFRA	ROD	EWE	SW_AE	DR - EN - 40034
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153
				Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



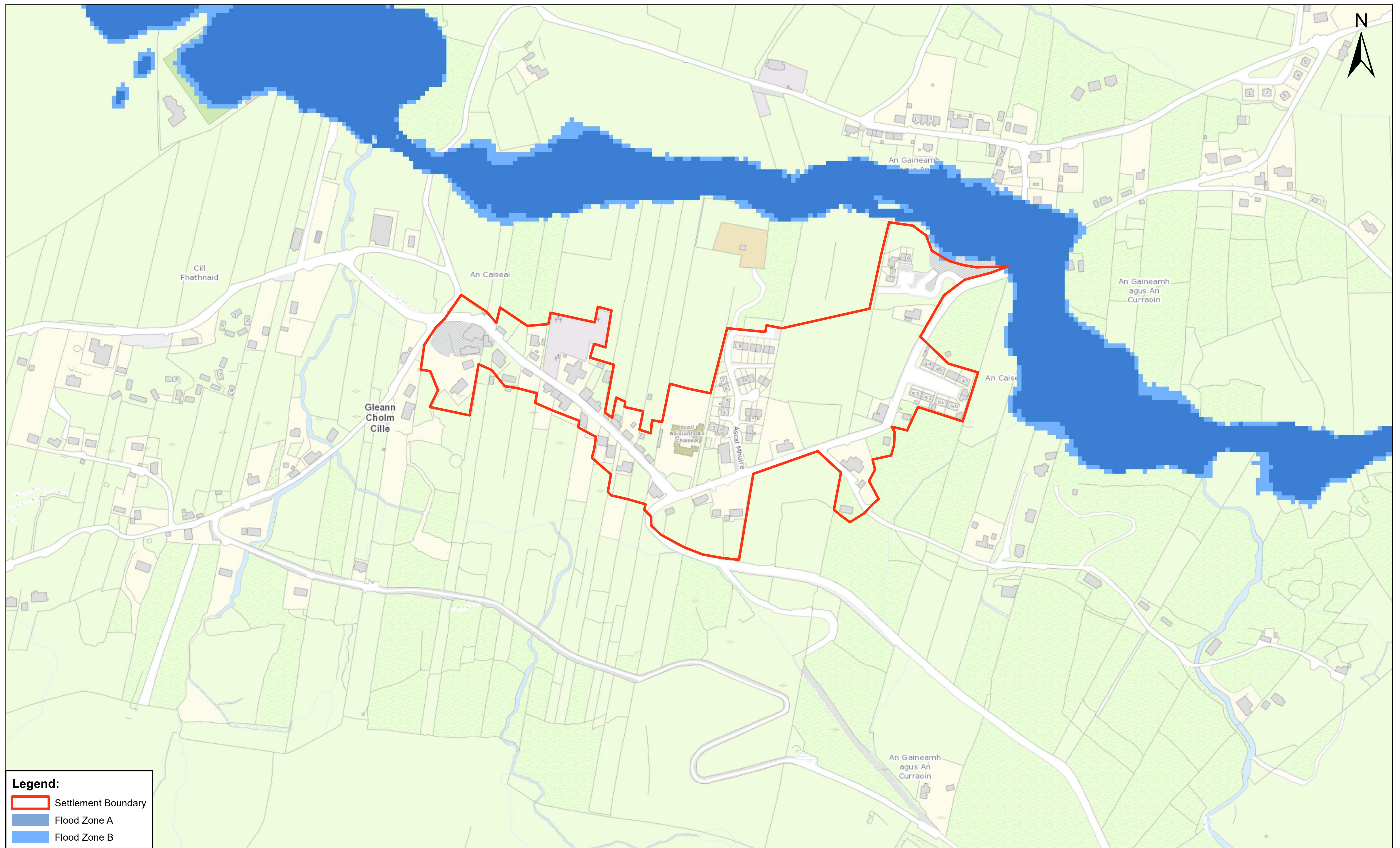
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - FROSSES SHEET 35 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40035
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



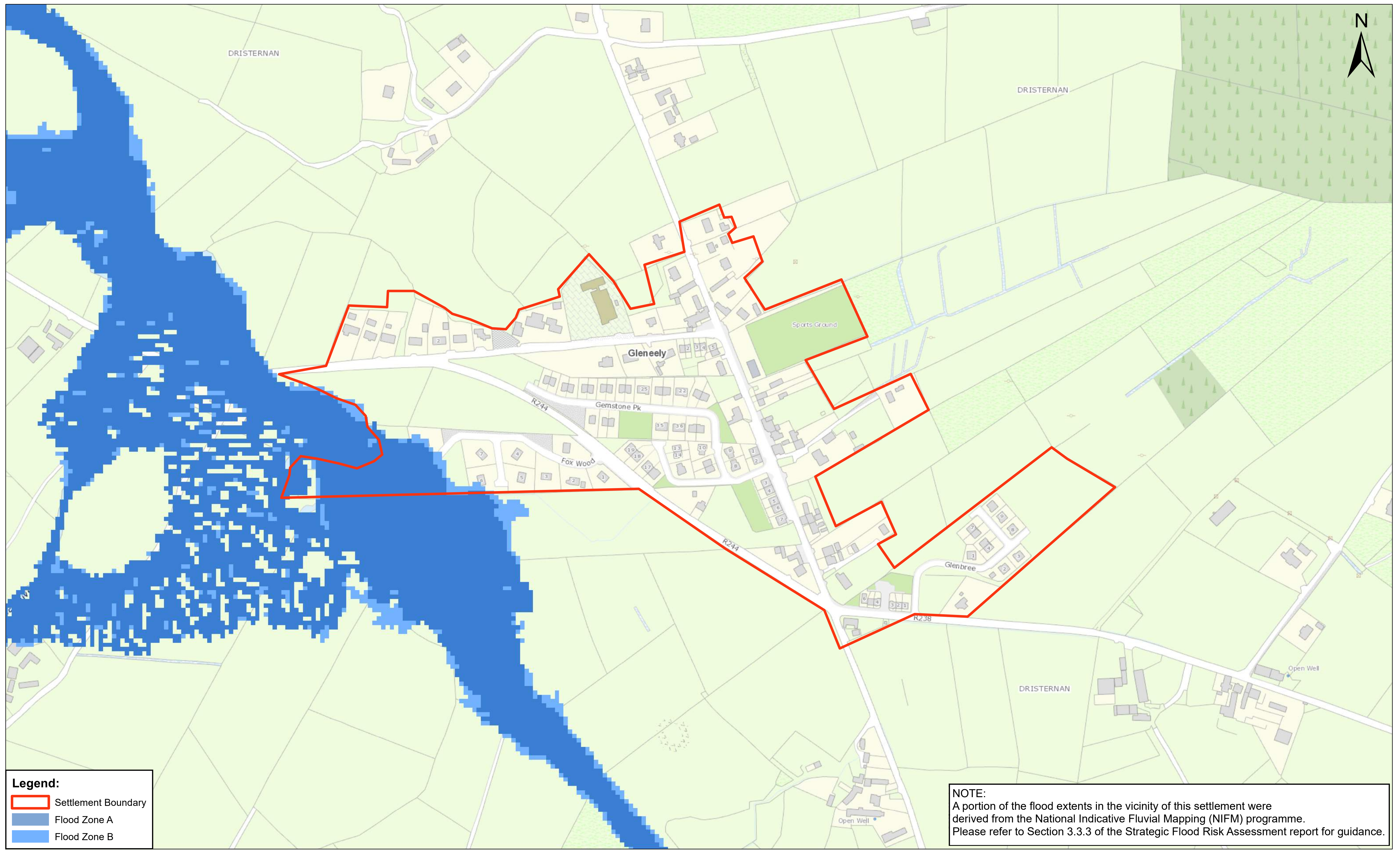
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - GLENAN CHOLM CILLE SHEET 36 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



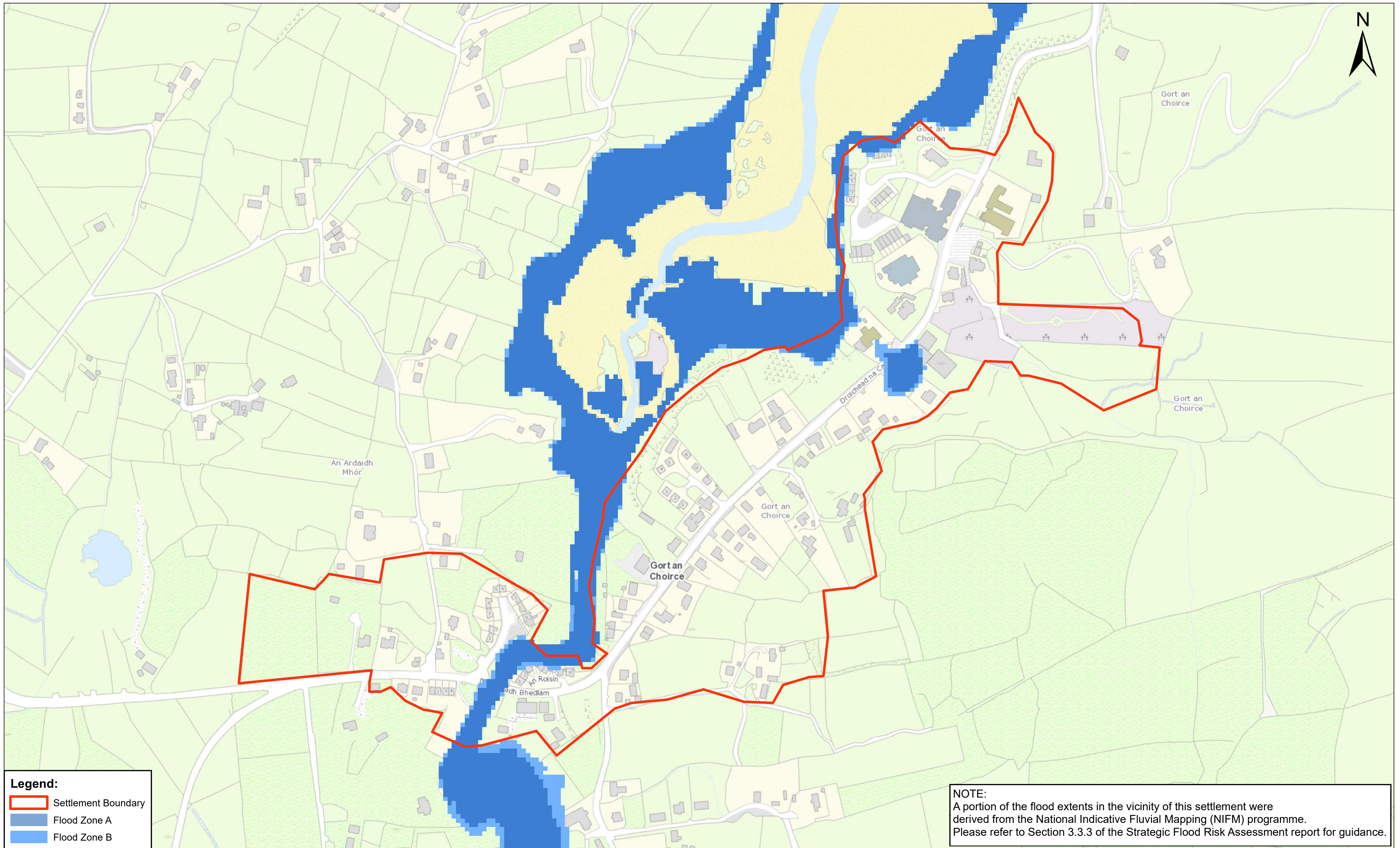
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - GLENEELY SHEET 37 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
40037	DSFRA	ROD	EWE	SW_AE	DR	EN	40037
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



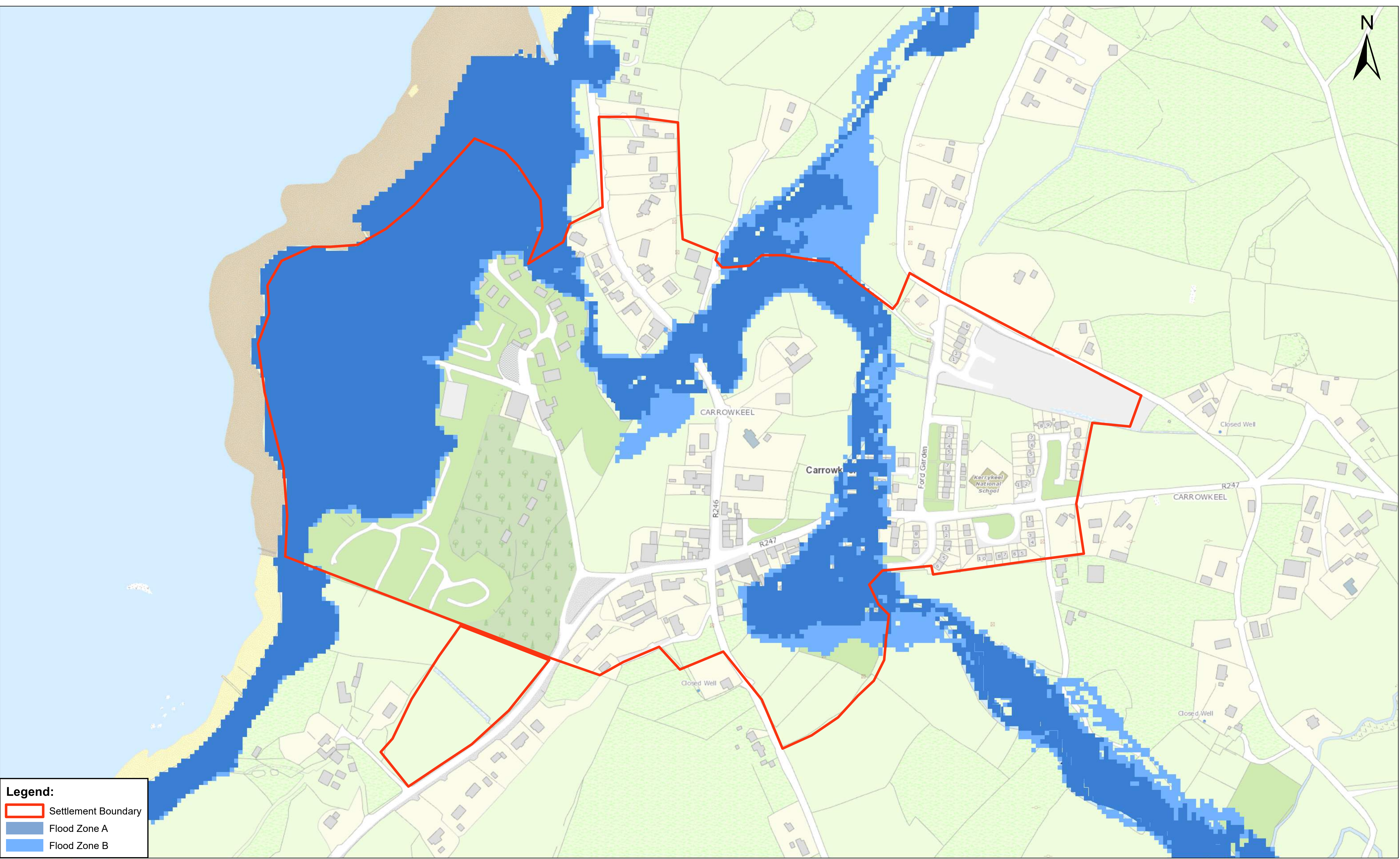
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - GORT AN CHOIRE SHEET 38 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40038
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

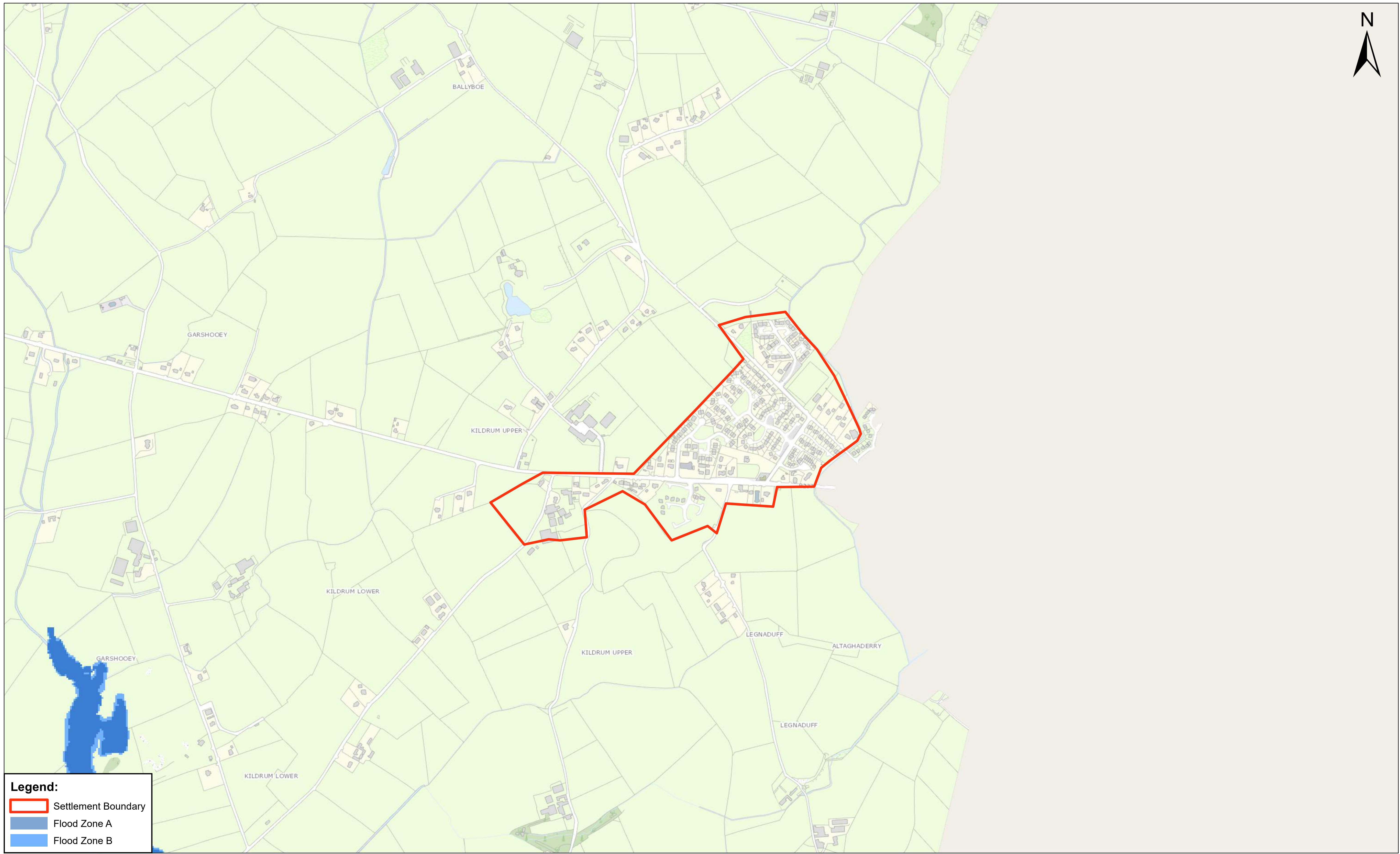


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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - KERRYKEEL SHEET 39 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40039
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



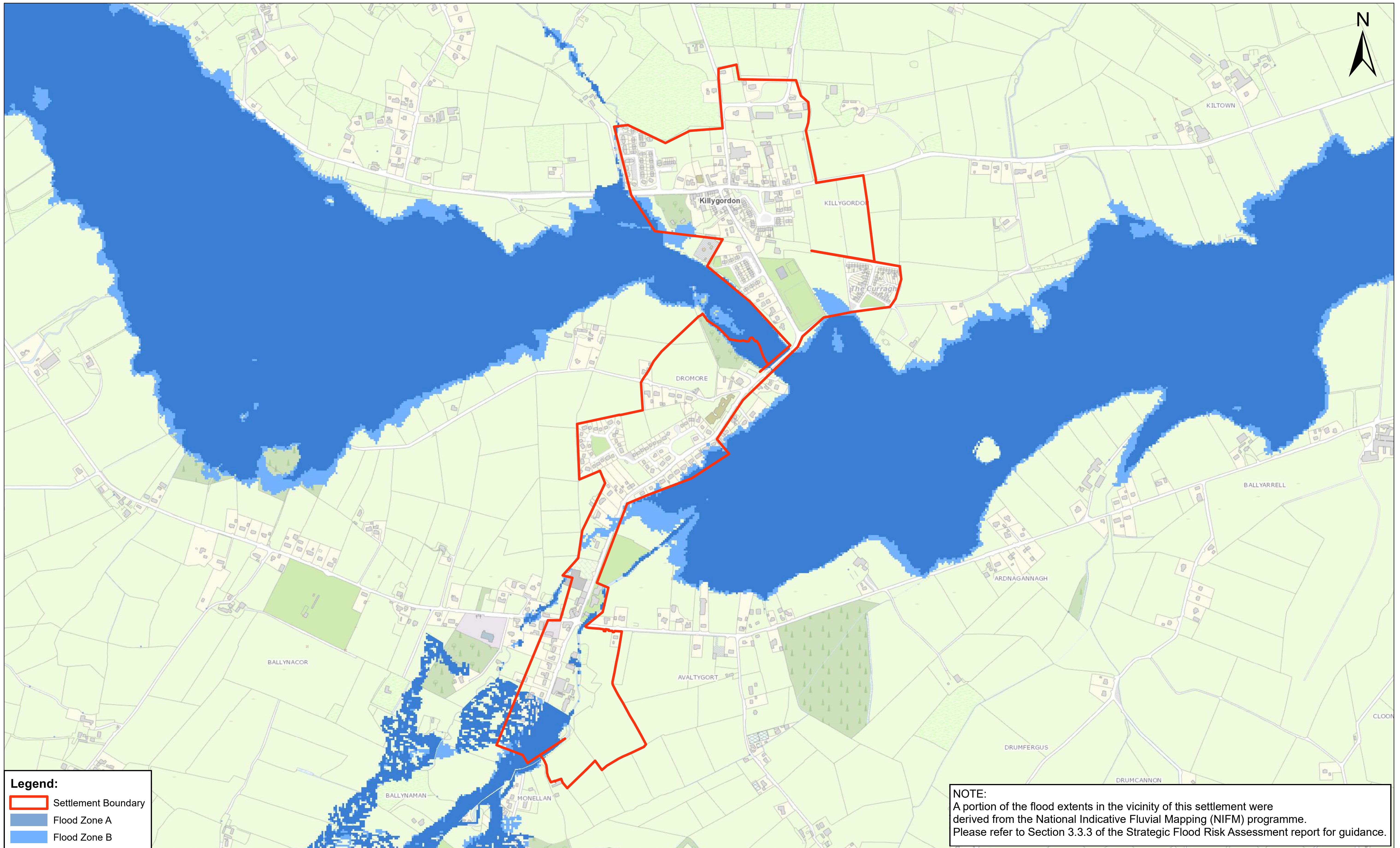
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - KILLEA SHEET 40 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40040
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



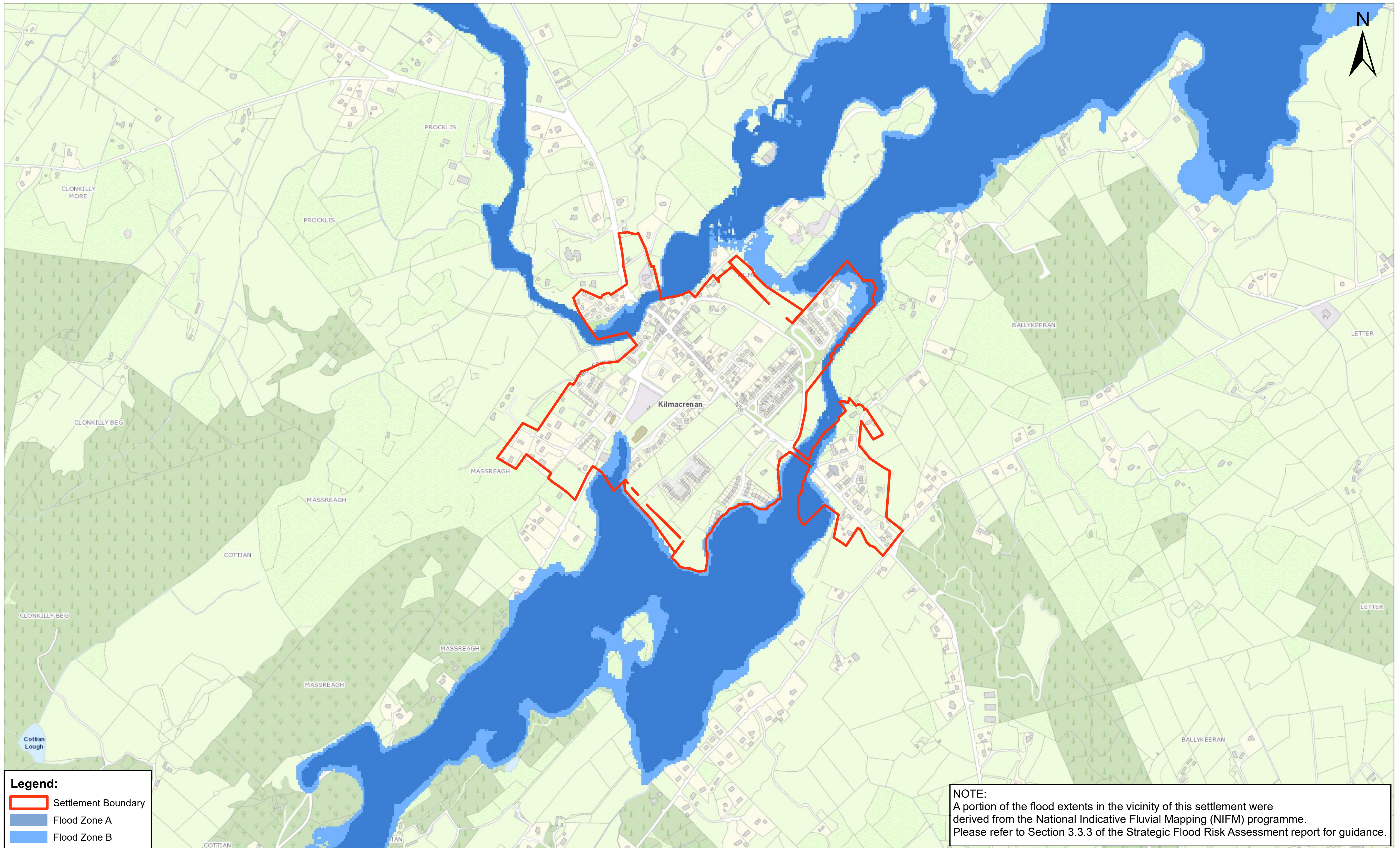
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - KILLYGORDON SHEET 41 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40041
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



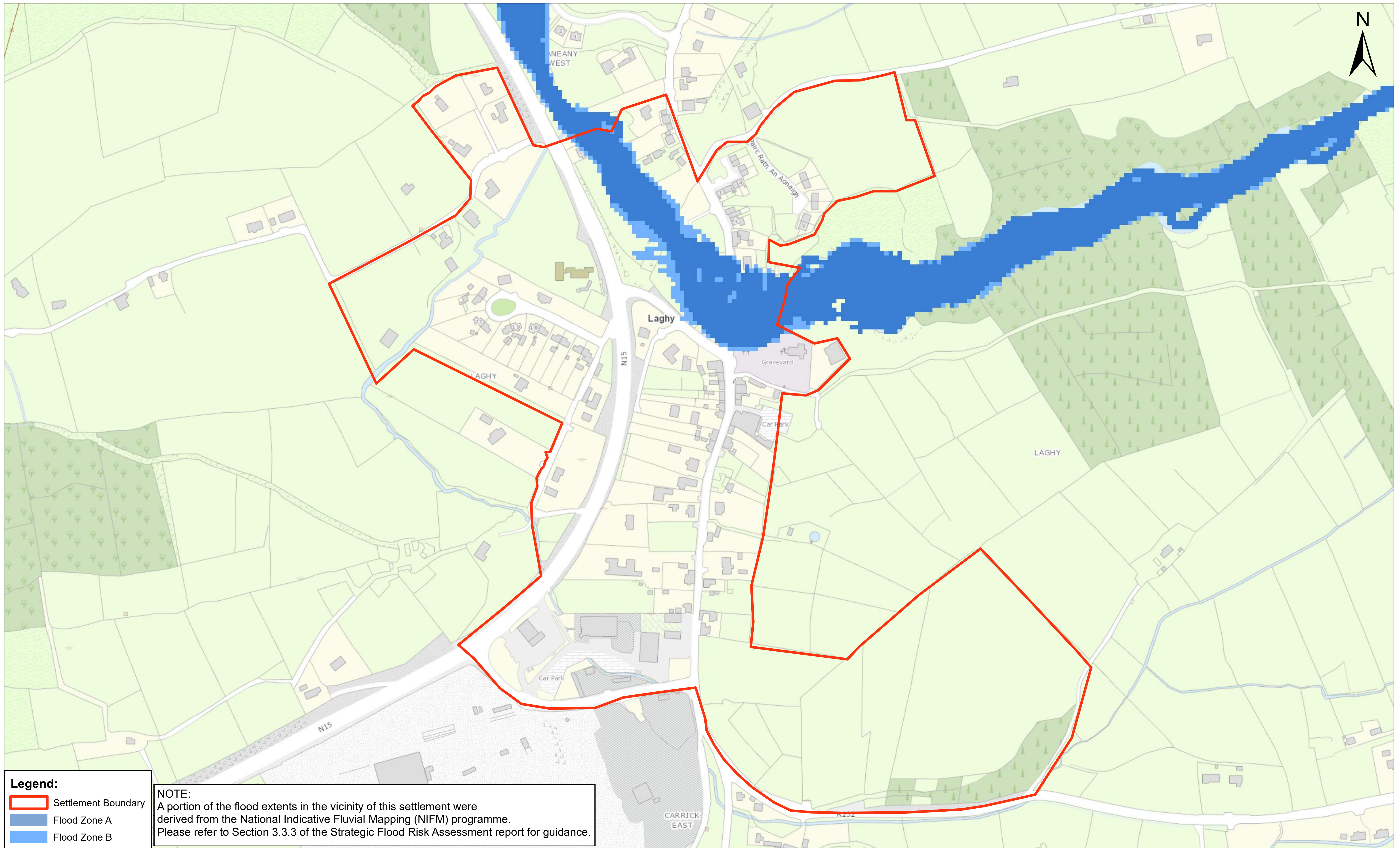
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - KILMACRENNAN SHEET 42 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40042
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



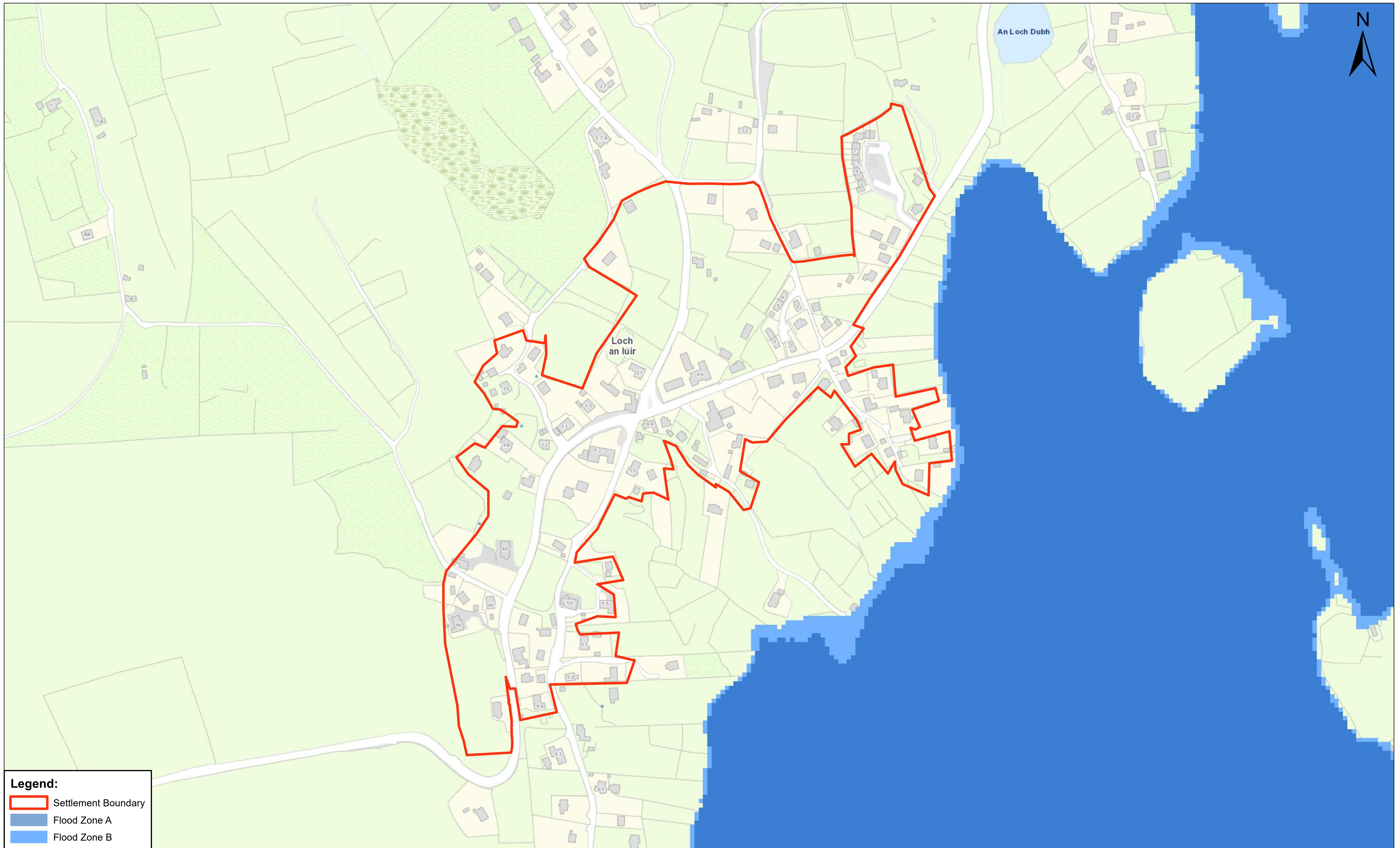
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - LAGHY SHEET 43 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40043
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



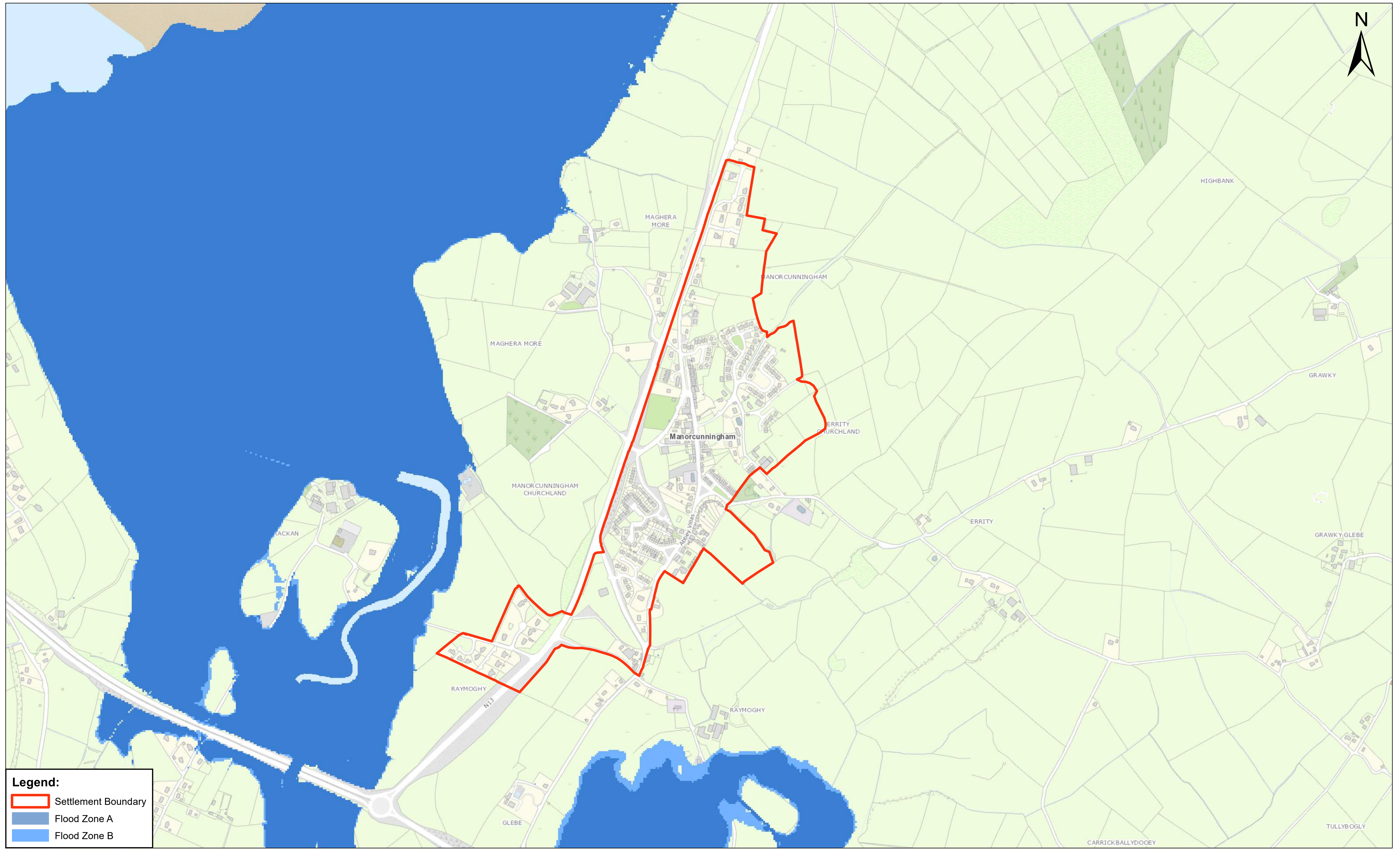
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - LOUGHANURE SHEET 44 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40044
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

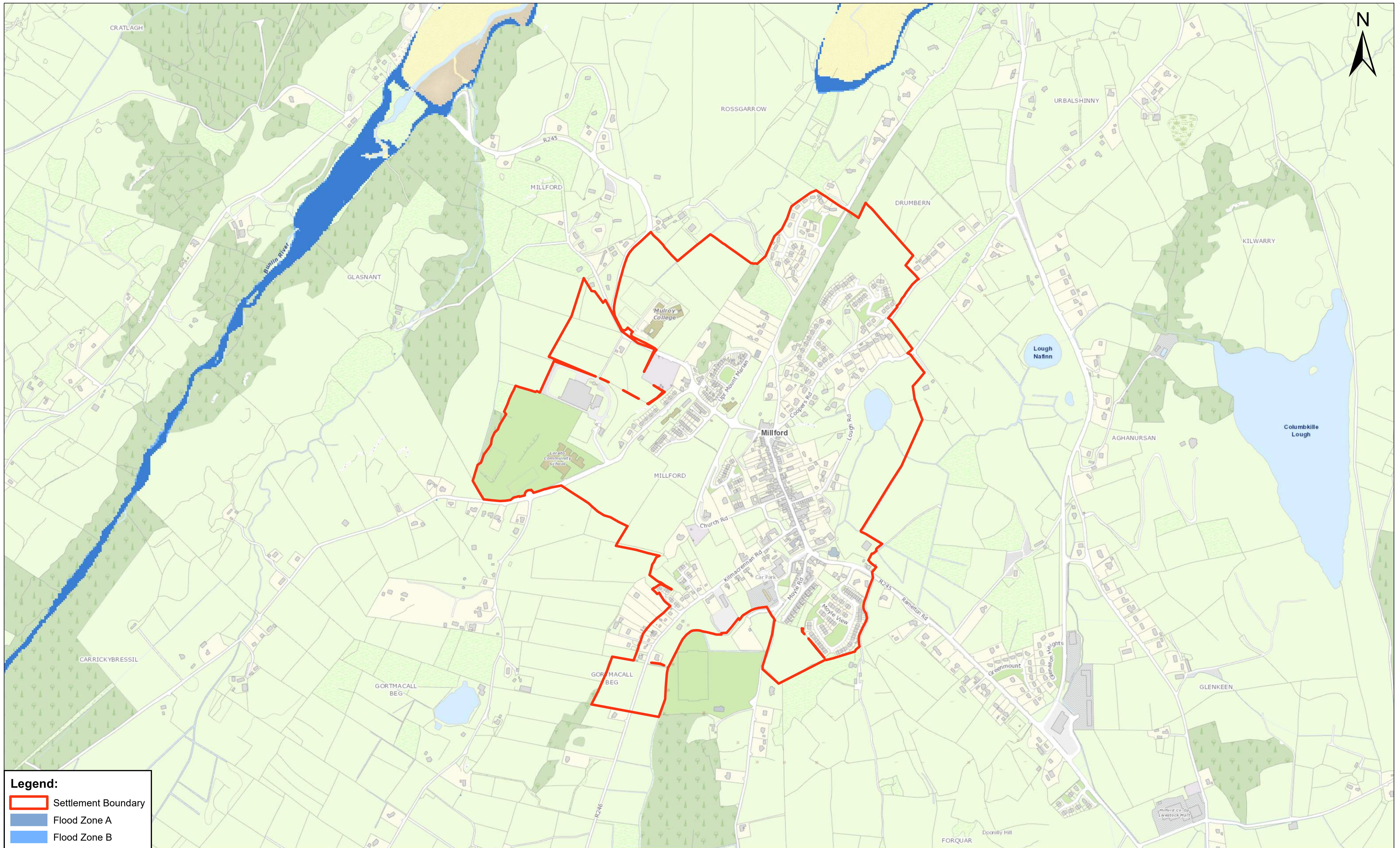
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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - MANORCUNNINGHAM SHEET 45 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40045
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - MILFORD SHEET 46 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40046
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



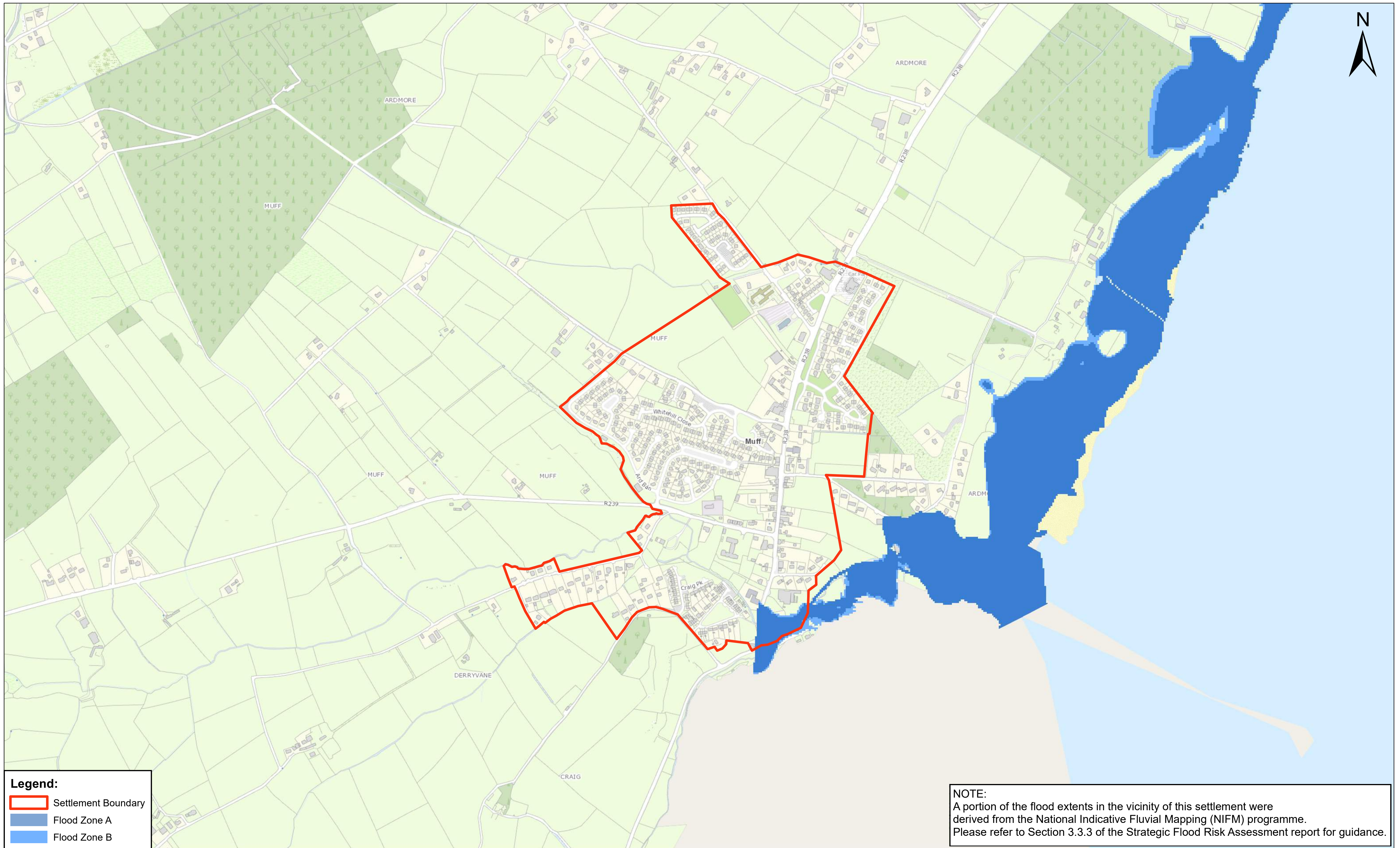
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - MOUNTCHARLES SHEET 47 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40047
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
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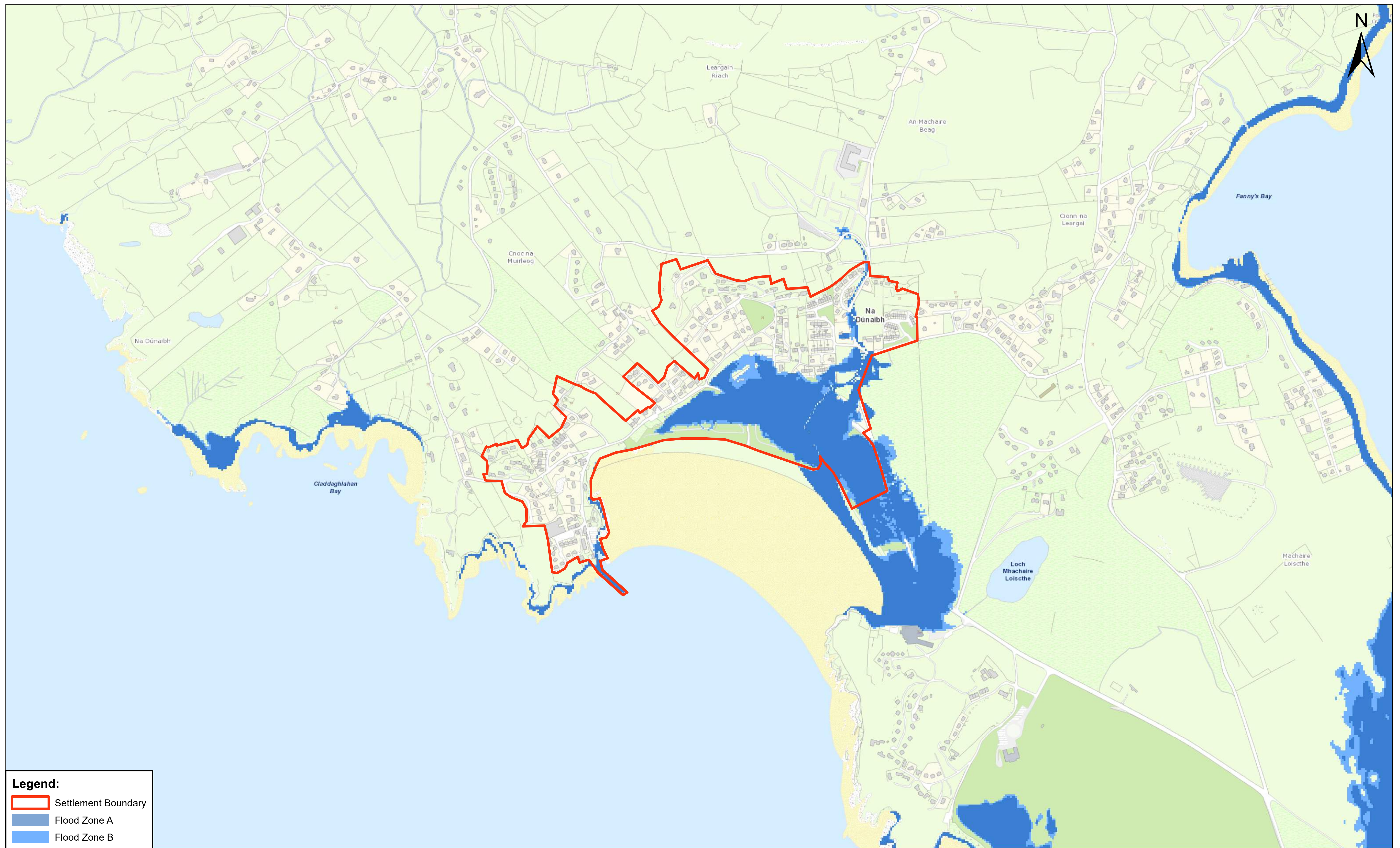
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - MUFF SHEET 48 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40048
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



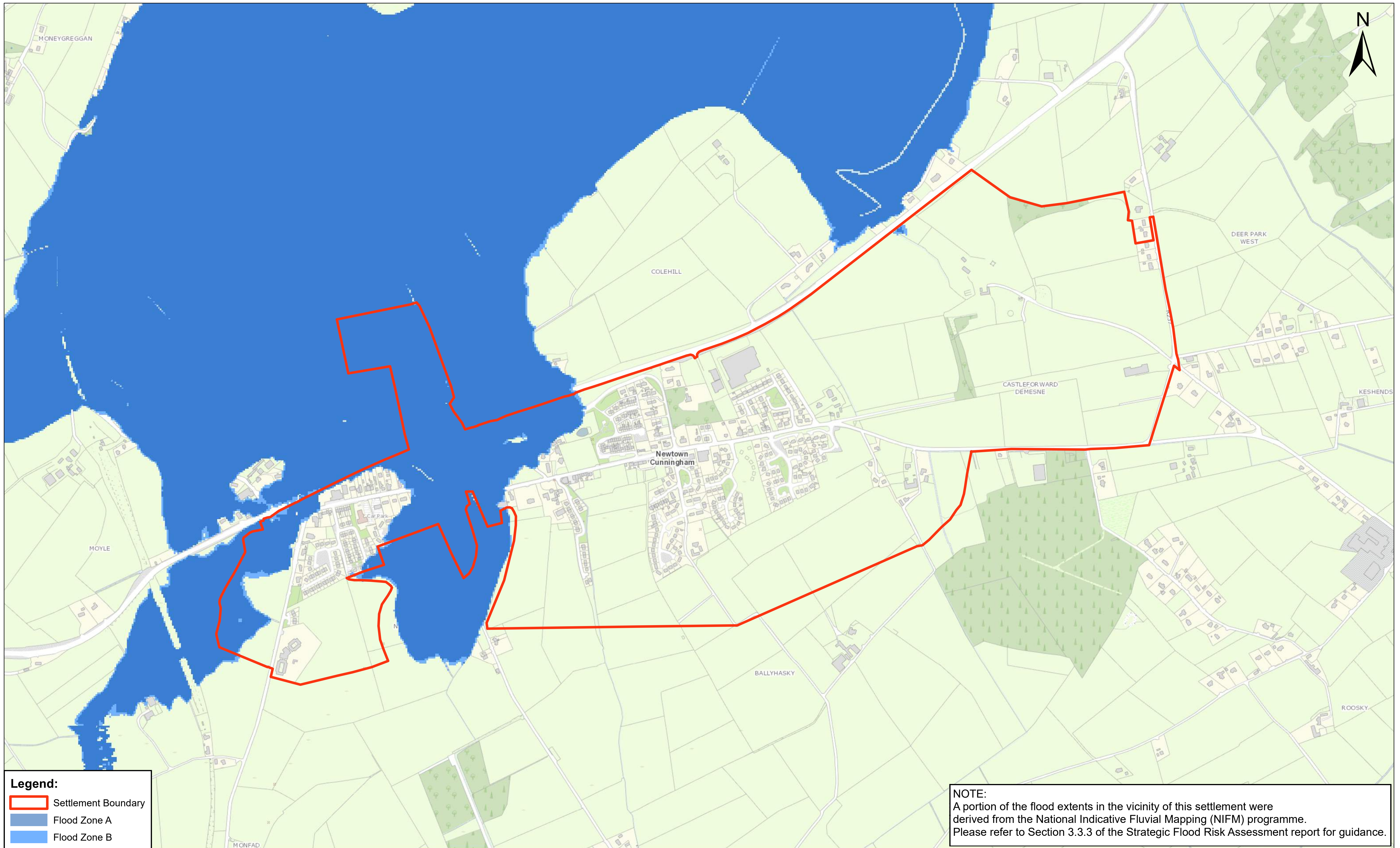
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - NA DÚNAIBH SHEET 49 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40049
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
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No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - NEWTOWNCUNNINGHAM SHEET 50 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40050
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03

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Legend:

-  Settlement Boundary
-  Flood Zone A
-  Flood Zone B

NOTE:
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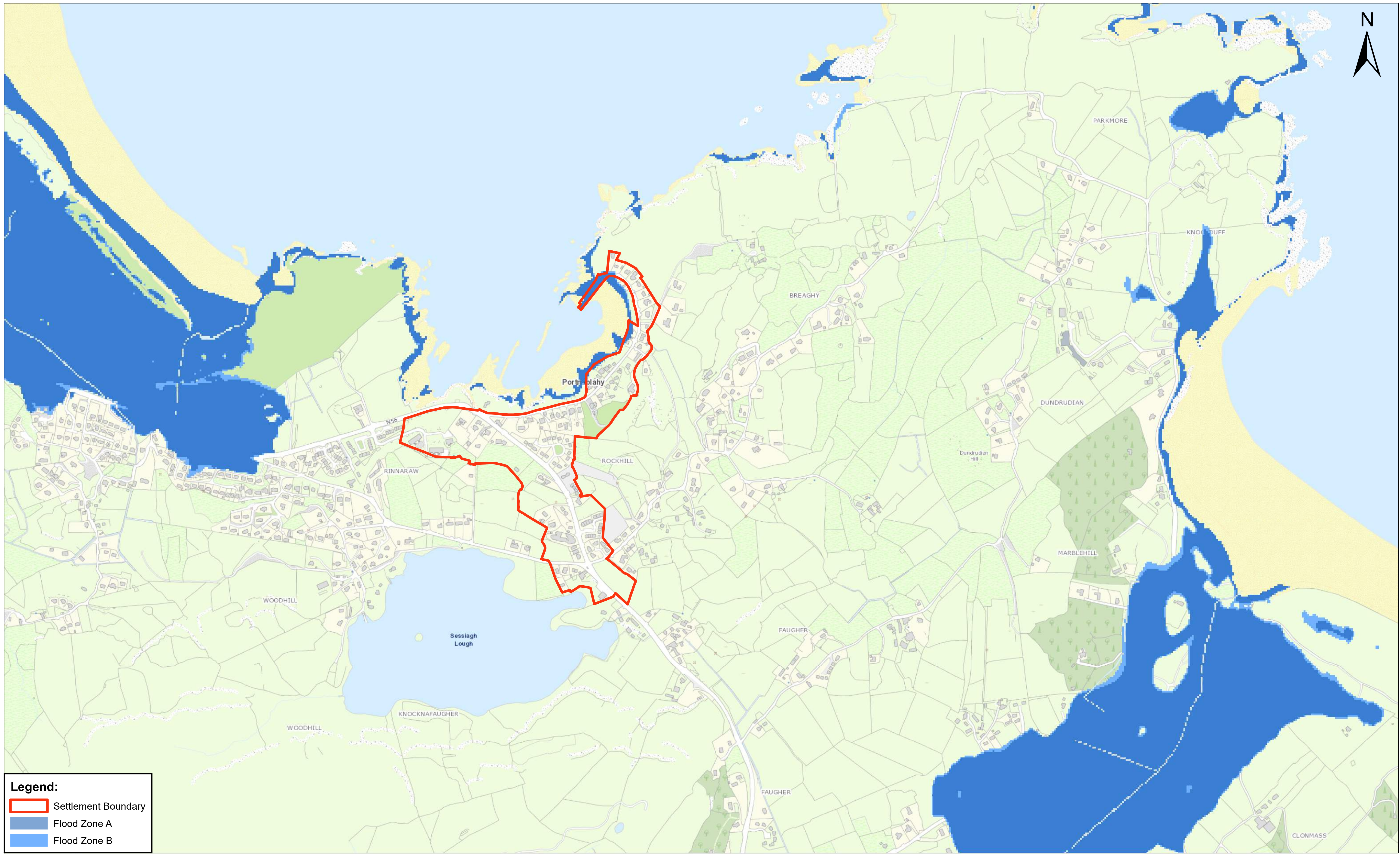
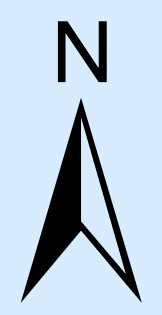
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - PETTIGO SHEET 51 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40051
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



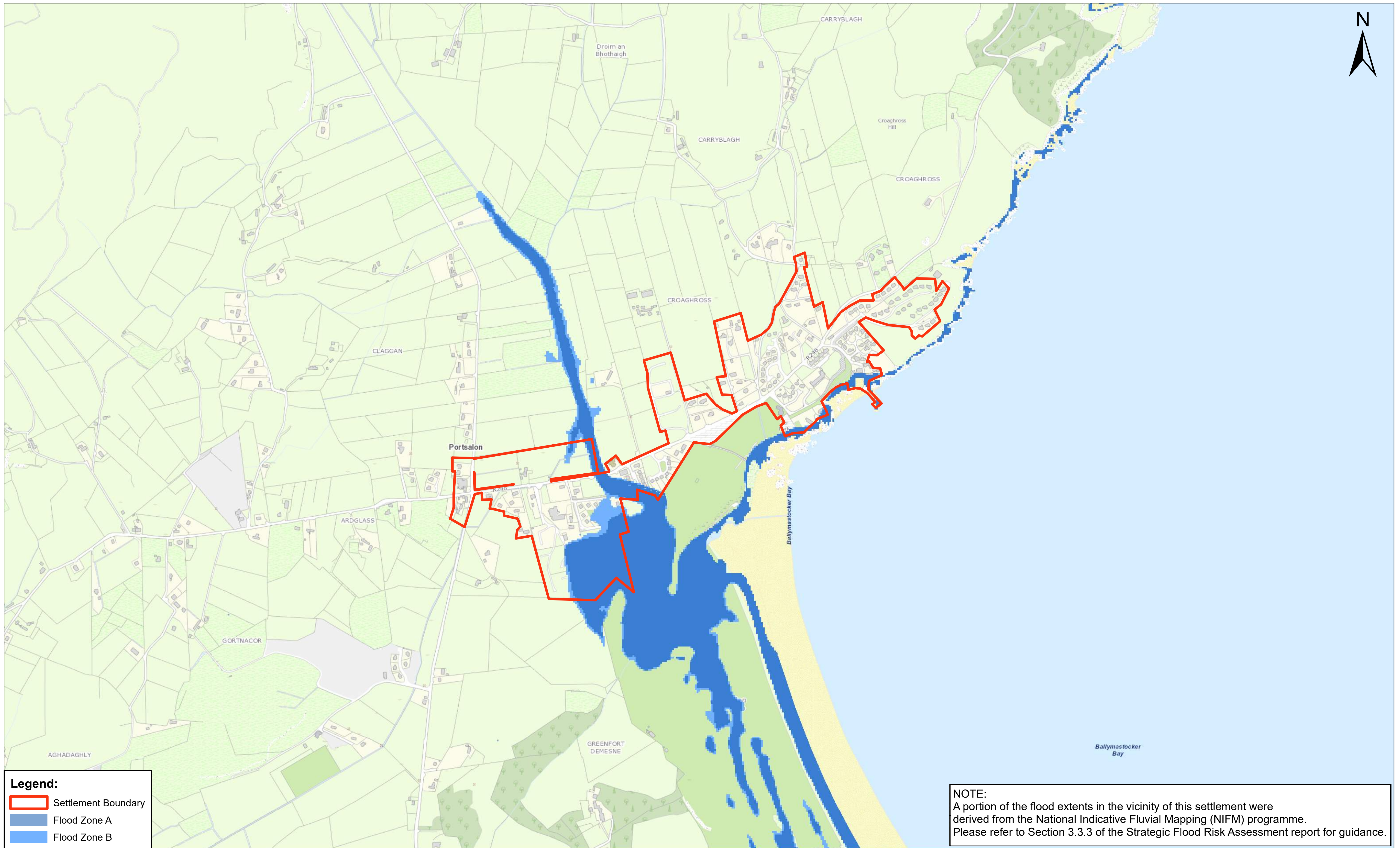
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P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - PORTNABLUGH SHEET 52 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40052
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



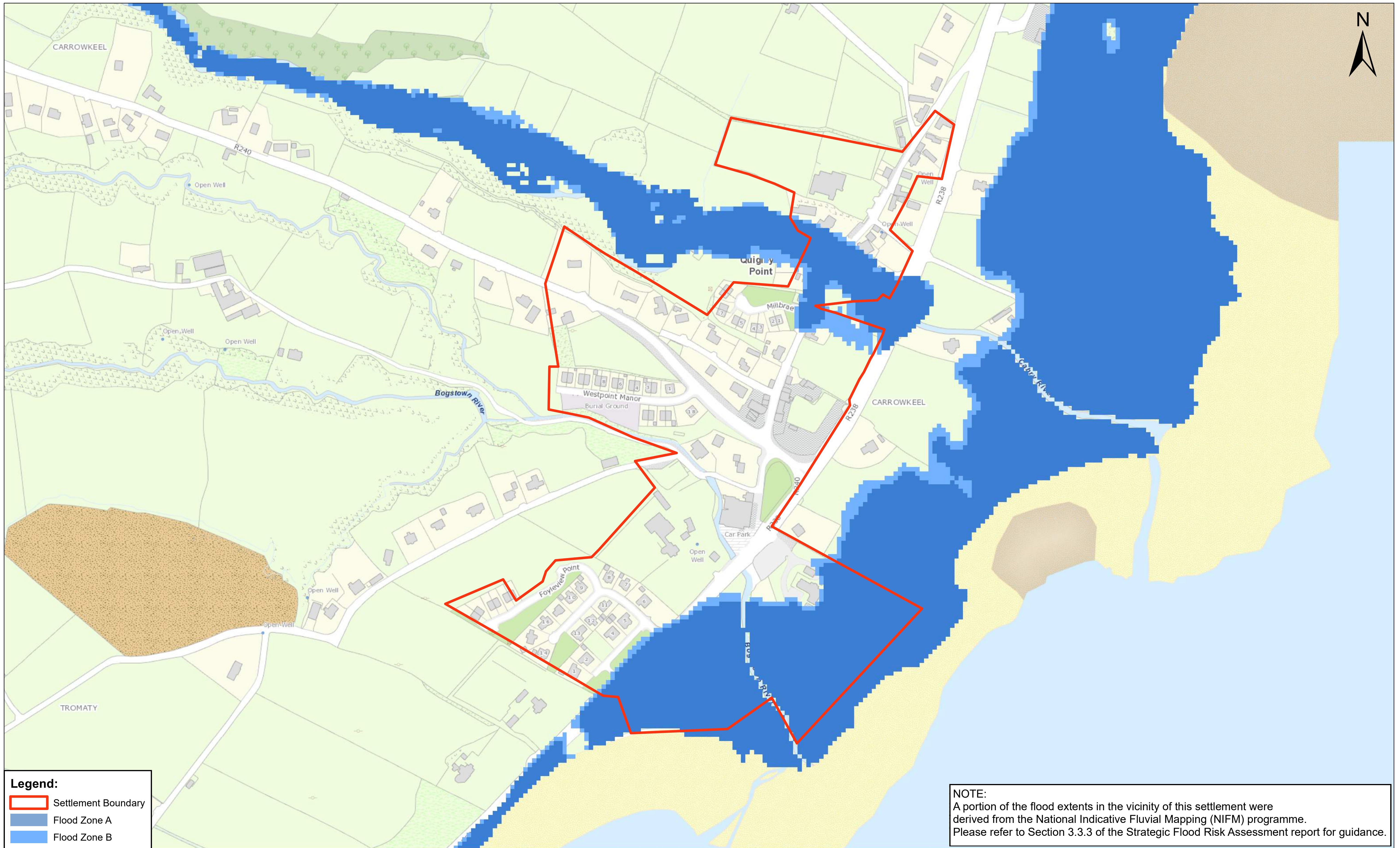
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - PORTSALON SHEET 53 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40053
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
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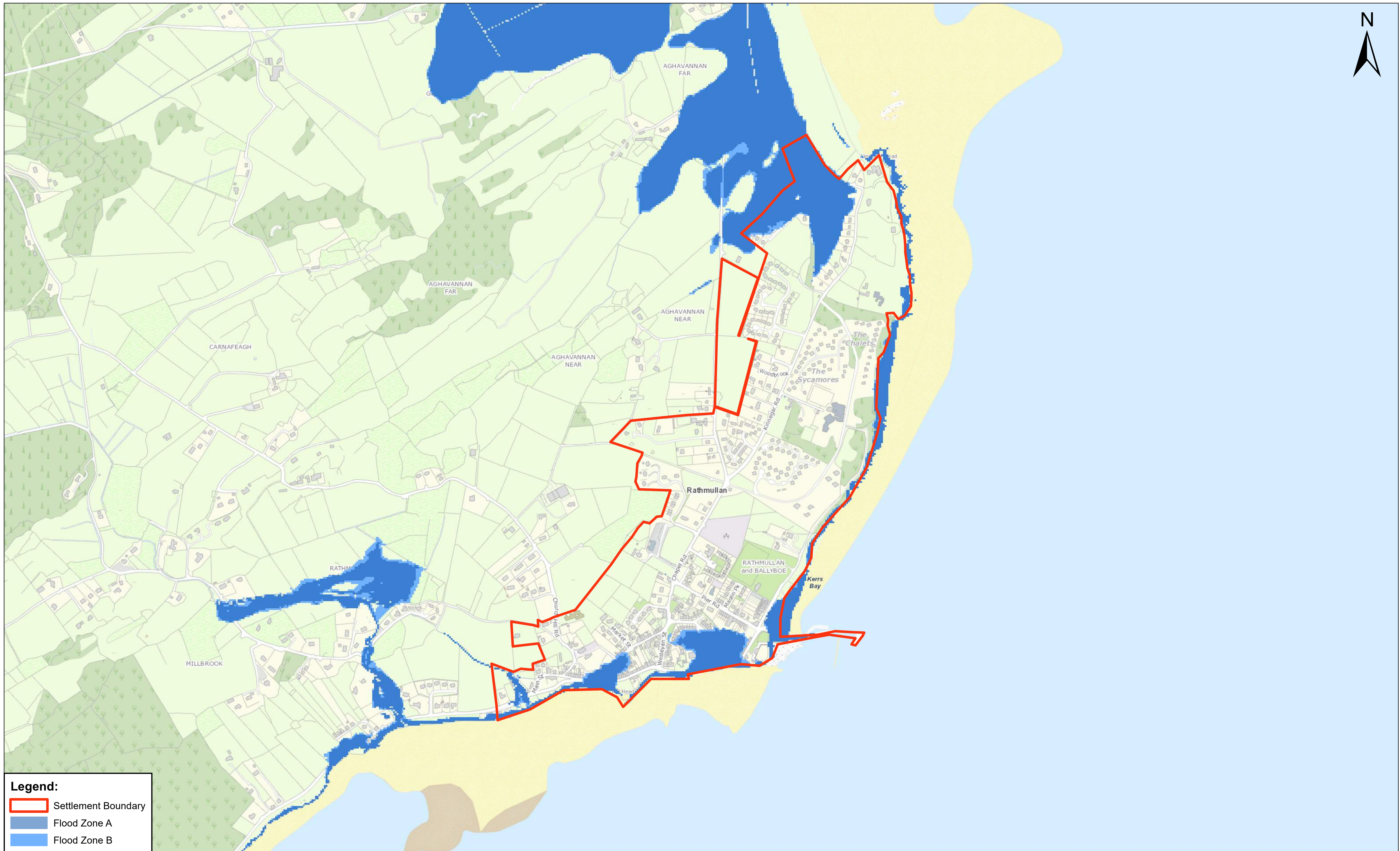
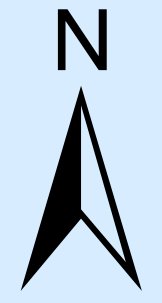
No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - QUIGLEY'S POINT SHEET 54 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40054
Scale (A1)	1:2,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



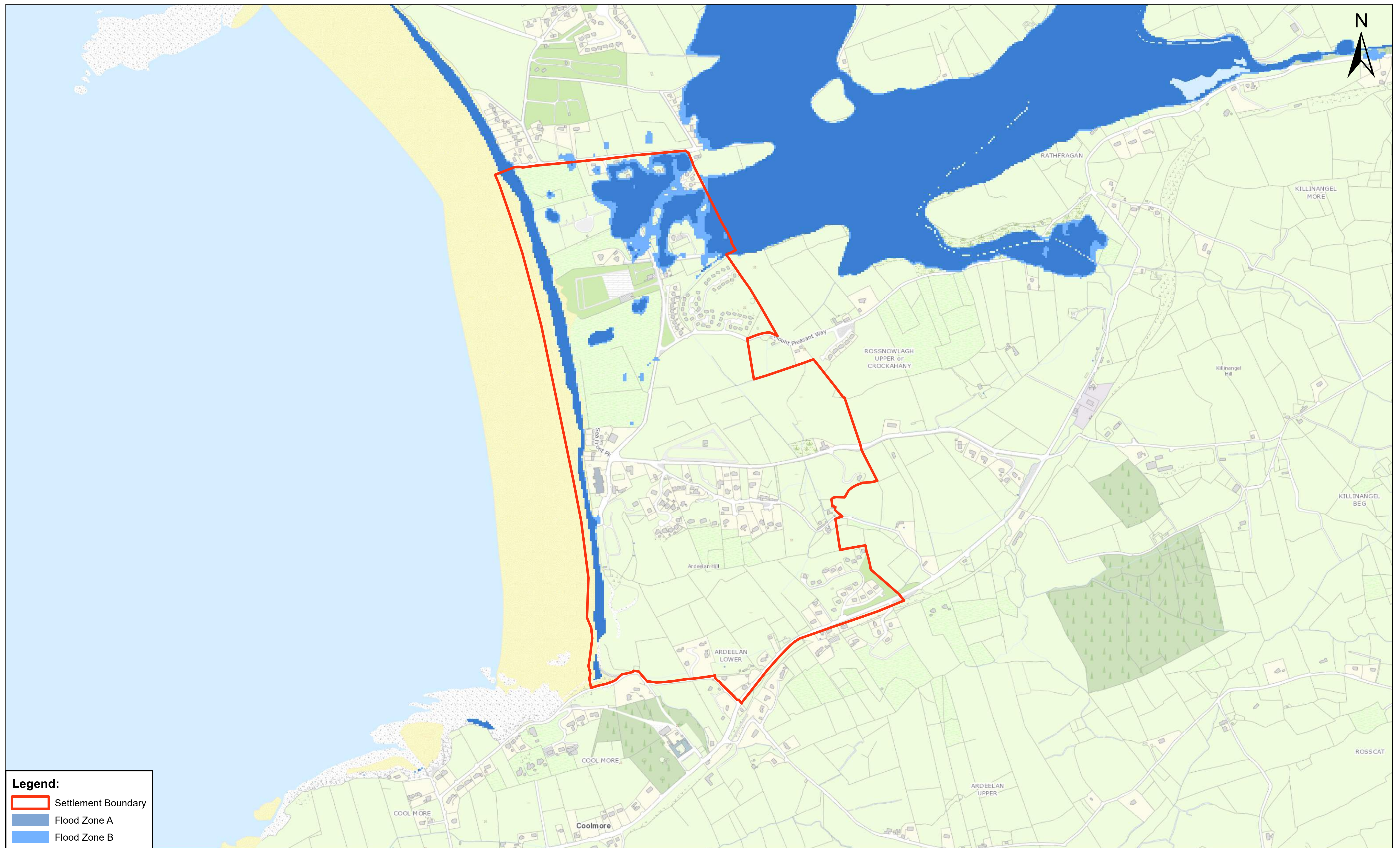
No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - RATHMULLAN SHEET 55 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
DSFRA	ROD	EWE	SW_AE	DR	EN		40055
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B



No.	Revision	Date	By	Chk'g	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

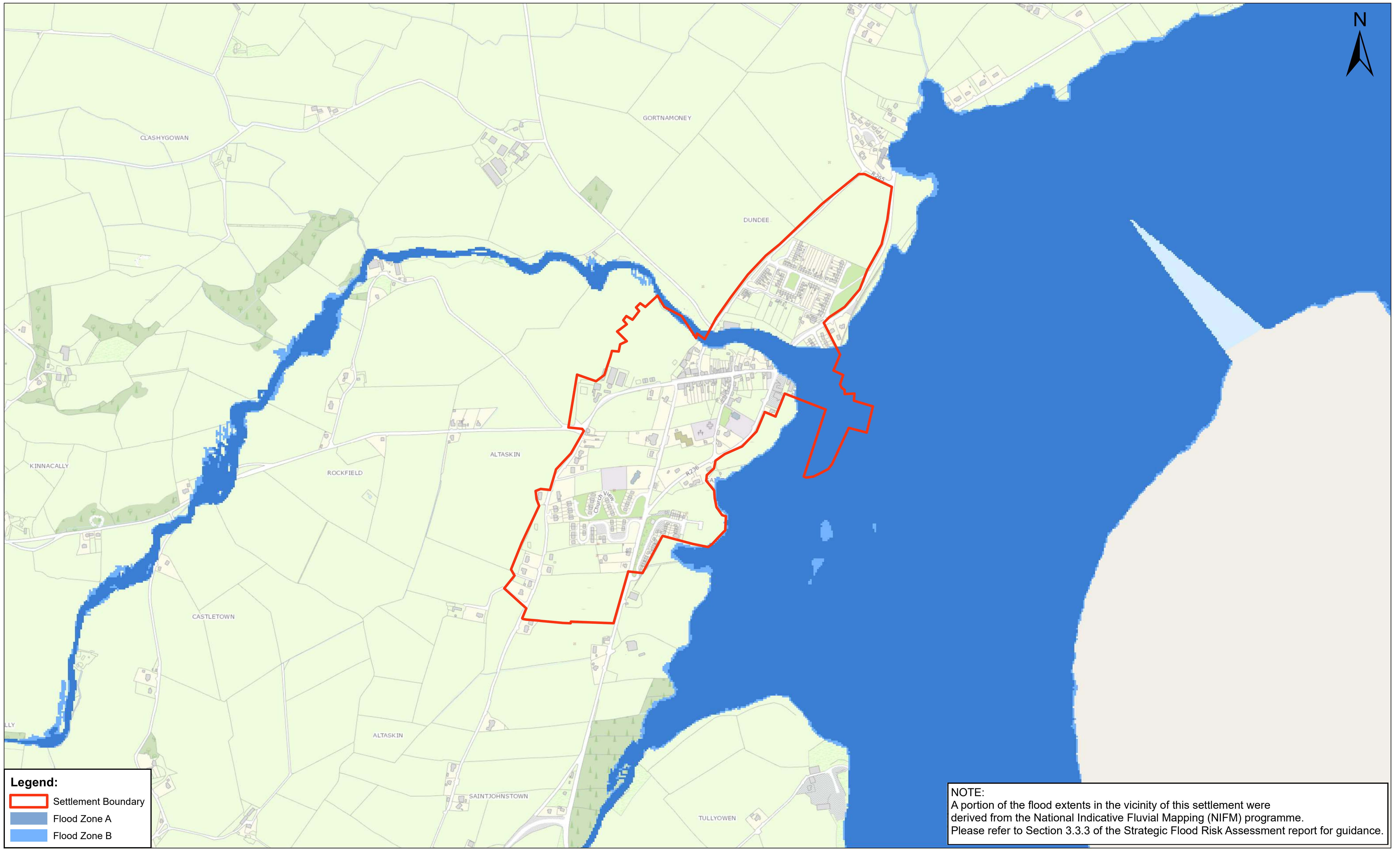
ROD
ROUGHAN & O'DONOVAN
Consulting Engineers
Civil - Structural - Transportation - Environmental

Arena House, Arena Road, Sandyford, Dublin 18, Ireland
t +353 (0) 1 294 0800
f +353 (0) 1 294 0820
www.rod.ie

Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - ROSSNOWLAGH SHEET 56 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EW	SW_AE	DR	EN	40056
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



Legend:

- Settlement Boundary
- Flood Zone A
- Flood Zone B

NOTE:
 A portion of the flood extents in the vicinity of this settlement were derived from the National Indicative Fluvial Mapping (NIFM) programme. Please refer to Section 3.3.3 of the Strategic Flood Risk Assessment report for guidance.



No.	Revision	Date	By	Chk'd	App'd
P02	Draft Flood Extent Mapping	14/04/2023	LA	WV	JPR
P03	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



Arena House, Arena Road, Sandyford, Dublin 18, Ireland
 t +353 (0) 1 294 0800
 f +353 (0) 1 294 0820
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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	SFRA FLOOD ZONE MAPPING - ST. JOHNSTON SHEET 57 OF 57						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40057
Scale (A1)	1:5,000	Date:	February 2023	Job No:	22.153	Rev:	P03

APPENDIX B JUSTIFICATION TESTS

Settlement	Zone	Justification Test Criterion							Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
Ballybofey-Stranorlar	BS-BE-001	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BS-BE-002	Refer to Criterion response 1A	✓	✓	✓	✓	✗	Refer to Criterion response 3C	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that a proportion of the zoning is within Flood Zone A/B. The proposed land use is generally inappropriate in areas vulnerable to flooding as per the OPW Guidelines. There are alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk. It has not been demonstrated that the flood risk to the proposed zoned lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The zoning is not in line with the sequential approach and cannot be justified. The following actions should be considered: Reduce the zoned area so they remain outside flood risk areas; and/or Replace the existing zoning with a zoning for less vulnerable uses.
	BS-CI-001	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Kilross River and the River Finn [Donegal] affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. The proposed land use is generally inappropriate in areas vulnerable to flooding as per the OPW Guidelines. There are no alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk and specific policies are to be applied for these sites as to ensure safe and sustainable development within these communities. Policy: "Ensure that any development proposal on the Community Infrastructure Zoning adjoining Robertson National School be accompanied by a detailed site-specific flood risk assessment, only provides for water compatible ancillary educational infrastructure (e.g. outdoor sports and recreational facilities) and does not otherwise exacerbate flood risk on the site or elsewhere." The proposed zoning is deemed to be in line with the sequential approach and is justified as per the OPW Guidelines.
	BS-ED-001	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-ED-002	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-ED-003	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-ED-004	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-005	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-006	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-007	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-008	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-009	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-ED-010	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-011	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
	BS-ED-012	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-013	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Goland affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-ED-014	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-ED-015	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
BS-ED-016	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.	
BS-ED-017	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.	
BS-ED-018	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.	

Settlement	Zone	Justification Test Criterion							Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
	BS-NRES-002	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The proposed land use is generally inappropriate in areas vulnerable to flooding as per the OPW Guidelines. However, there are no alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk and specific policies are to be applied for these sites as to ensure safe and sustainable development within these communities. Policy: "Require that any development proposal on site New Residential 2.2 is accompanied by a detailed site specific flood risk assessment, does not provide for any residential development within any areas identified as High End Future Scenario Flood Zone A or B and does not otherwise exacerbate flood risk on the site or elsewhere." The proposed zoning is deemed to be in line with the sequential approach and is justified as per the OPW Guidelines.
	BS-NRES-003	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-NRES-004	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-NRES-005	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-NRES-006	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Kilross River affects a portion in the south of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BS-NRES-007	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BS-NRES-008	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-NRES-009	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-NRES-010	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BS-NRES-011	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BS-OPS-001	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-OPS-002	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-OPS-003	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-OPS-004	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BS-OPS-005	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BS-OSR-001	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-OSR-002	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-OSR-003	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Golland River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-OSR-004	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Golland River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-OSR-005	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-OSR-006	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-OSR-007	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Settlement	Zone	Justification Test Criterion							Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
	BS-RA-025	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-026	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-027	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-028	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-029	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-030	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-031	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-032	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-033	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Backlees River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-034	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Backlees River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-035	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-036	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Kilross River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-037	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-038	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-039	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-040	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-RA-041	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BS-RA-042	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River (Burn) Daurnett affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
	BS-UC-001	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] and the Backlees River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BS-UC-002	Refer to Criterion response 1A	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn [Donegal] and the River (Burn) Daurnett affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Settlement	Zone	Justification Test Criterion						Additional Comments	
		1	2i	2ii	2iii	2iv	2v		3
Buncrana	BA-BE-001	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal and fluvial flooding affects a portion of the site in the 1 in 1000 fluvial or 1 in 1000 year coastal event, therefore, the lands are within Flood Zone B. The site is currently developed in line with the proposed zoning.
	BA-BE-002	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-BE-003	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-CI-001	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Crana River affects the periphery of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BA-CI-002	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-CI-003	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that a significant proportion of the zoning is within Flood Zone A/B. The proposed land use is generally inappropriate in areas vulnerable to flooding as per the OPW Guidelines. However, the planning authority considers that the application of the Development Plan Justification Test should be considered in relation to this site, on the following grounds: <ul style="list-style-type: none"> •Buncrana is targeted for growth under the provisions of the Draft County Development Plan 2024-2030 •The subject lands are located on the northern periphery of the town centre and in close proximity to the majority of residential development to the east, west and north of the town centre. •The zoning of the site will facilitate Core Strategy aims for the growth of Buncrana and will meet an identified community need, most notably the provision of a school campus. •The subject site has been subject to a site selection process for the provision of a school campus and it has been concluded that there are no alternative sites that are demonstrably preferable to the subject lands. •Any development that is vulnerable to flooding (e.g. school buildings) shall be located outside of the identified flood zone. Furthermore, provision shall be made for emergency vehicular access, outside of the flood zone. The zoning is in line with the sequential approach and flood risk can be appropriately managed. Therefore, the proposed zoning of the site can be justified.
	BA-CI-004	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-CI-005	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-CI-006	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Lisfannan River affects the periphery of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BA-CI-007	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River affects the periphery of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BA-CI-008	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal and fluvial flooding emanating from the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning.
	BA-CI-009	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Ballymacarry Lower River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning.
	BA-ED-001	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
	BA-ED-002	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-ED-003	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Owenkillew River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BA-ED-004	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-ED-005	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Luddan River in affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
BA-ED-006	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Gortyarigan River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.	
BA-ED-007	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.	

Settlement	Zone	Justification Test Criterion							Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
	BA-SRR-001	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-SRR-002	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-SRR-003	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and Fluvial flooding emanating from the River Owenkillew affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BA-SRR-004	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-SRR-005	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-T-001	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BA-UC-001	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the River Mill [Donegal] and the Crana River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BA-UT-001	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and Fluvial flooding emanating from the River Mill [Donegal] a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The site is currently developed in line with the proposed zoning.
	BA-UT-002	Refer to Criterion response 1B	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.

Settlement	Zone	Justification Test Criterion							Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
	BN-ED-045	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-046	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-ED-047	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-HA-001	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-NRES-001	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-002	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-003	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-004	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-005	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-006	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-007	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-008	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-009	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-NRES-010	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-OPS-001	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Drowes River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BN-OPS-002	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-OPS-003	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Bradoige_20 (North) River affects a portion of the site in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BN-OSR-001	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-OSR-002	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-OSR-003	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-OSR-004	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-OSR-005	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Drowes River and the Magheracar River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-OSR-006	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Bradoige River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-OSR-007	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Bradoige_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-OSR-008	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Bradoige River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-OSR-009	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-001	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-002	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Settlement	Zone	Justification Test Criterion							Additional Comments
		1	2i	2ii	2iii	2iv	2v	3	
	BN-RA-003	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-RA-004	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-RA-005	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-006	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-007	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-008	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-RA-009	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-T-001	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-T-002	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Bradoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that flooding is limited to the periphery of the site and flood risk can be appropriately managed.
	BN-UC-001	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Bradoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-UC-002	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-UC-003	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Bradoge_20 (North) River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-UC-004	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-UC-005	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-UC-006	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-UC-007	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within Flood Zone C.
	BN-UC-008	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Bragoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	BN-UC-009	Refer to Criterion response 1C	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding emanating from the Bragoge River affects a portion of the site in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Settlement	Zone	Justification Test Criterion							3	Additional Comments
		1	2i	2ii	2iii	2iv	2v			
Ailt an Chorráin	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Burtonport affects the southern portion of the zone on the western coast in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
An Bun Beag - Doirí Beag	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal and fluvial flooding affect the north of the settlement overlapping along the Cathen River and the Strath_Caonach affecting L1273 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. In the south west of the settlement coastal and fluvial flooding along the Clady River in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-009	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-010	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding affect the north of the settlement overlapping along the Strath_Caonach River and the Strath_Caonach affecting L1273 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.F fluvial flooding deriving from the Strath_Caonach River affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
An Charrag (Carrick)	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the River Glen [Carrick]indicated through the centre of the settlement South of L1125 to the junction of R263 with L1115 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
An Fál Carrach (Falcarragh)	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Tullaghobegly River along a small portion (roughly 200m) of the West boundary of the settlement across the N56 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-007	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-003	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Annagry	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Loughanure river along the Glen Road and St Mary's View affects west of the centre of the settlement and areas currently zones in 2018 as 'Amenity' along the north western settlement boundary in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding emanating from the Min_Doire_na_Slua extends to the north of the settlement in the 1 in 100 year fluvial, therefore, the lands are within Flood Zone A.
	ST-HA-006	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Loughanure River along the Glen Road and St Mary's View affects west of the centre of the settlement and the area zoned as High Amenity along the north western settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Ardara	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding along the Owentocker River through the centre of the settlement and along the south east of the settlement boarder within Flood Zone A. Indicated flooding affects areas zoned as 'Urban Core' and 'High Amenity'. Fluvial flooding in the 1 in 1000 year event extends to affect 31-38 Ard Na Gréine in the west of the settlement.
	ST-HA-001	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-013	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding along the Owentocker River through the centre of the settlement and along the South-East of the settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Ballintra	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Ballintra_37 (Blackwater River) affects the centre of the settlement, South of the R231 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. A proportion of these flood maps are derived from NIFM flood maps.
Ballyliffin	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Bruckless	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Burnfoot	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Skeoge River and the river Brunfoot affects the north, west and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects south of the R238, houses in Lios Na Greine and Páirc An Grianán in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Carrigans	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from the Burn River deriving from the River Foyle affecting dwellings in the South of L8481 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Settlement	Zone	Justification Test Criterion							3	Additional Comments
		1	2i	2ii	2iii	2iv	2v			
Carrigart	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the Carrigart river affects the coast on the north western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Castlefinn	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from the River Finn affecting the west of Chapel Street to the N15 and west of Raphoe Road to West of R235 in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the River Finn affects from the N15 to Emmet Park in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
Cill Charthaigh (Kilcar)	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Glenaddaragh River affects west of Carrick Road and Lower Main Road to Towney Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Clonmany	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Clonmany River affects the south boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Clonmany River affects Riverside Park and the southern end of Clonmany Shamrocks FC in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
Convoy	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Deelee River affecting South of Fountain Terrace, Convoy Reformed Presbyterian Church and areas zoned as 'High Amenity' along the south east and south west settlement boundaries in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects between Milltown and Beechwood Grove and North of Carrick Court in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-011	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Deelee River affecting south of Fountain Terrace, Convoy Reformed Presbyterian Church and the a portion of High Amenity Zone along the south east and south west settlement boundaries in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Indicated flooding affects between Milltown and Beechwood Grove and north of Carrick Court in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-005	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Creeslough	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-HA-012	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-004	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Culdaff	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Culdaff River affects West of St Bodens Terrace and North of Main Street in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Doochary	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from Gweebarra River in Flood Zone A affects north of R252 along the settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from Gweebarra River affects north of Radharc an Séipeal in the 1 in 1000 year event, therefore, the lands are within Flood Zone B.
Drumkeen	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Dunfanaghy	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding affects areas zoned as 'Urban Centre' and 'High Amenity' in the north of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Dunfanaghy river along the east and north boundaries of the settlement, affecting the N56 and the area zoned in 2018 as 'Town Centre' and 'Amenity' in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
	ST-HA-002	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding from the Dunfanaghy River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-T-001	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-012	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding from the Dunfanaghy River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Dunkineely	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Fahan	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding derived from the Carrontlieve River and the Glebe Large River and the Carrontlieve River affects a portion of the settlement in the 1 in 100 fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

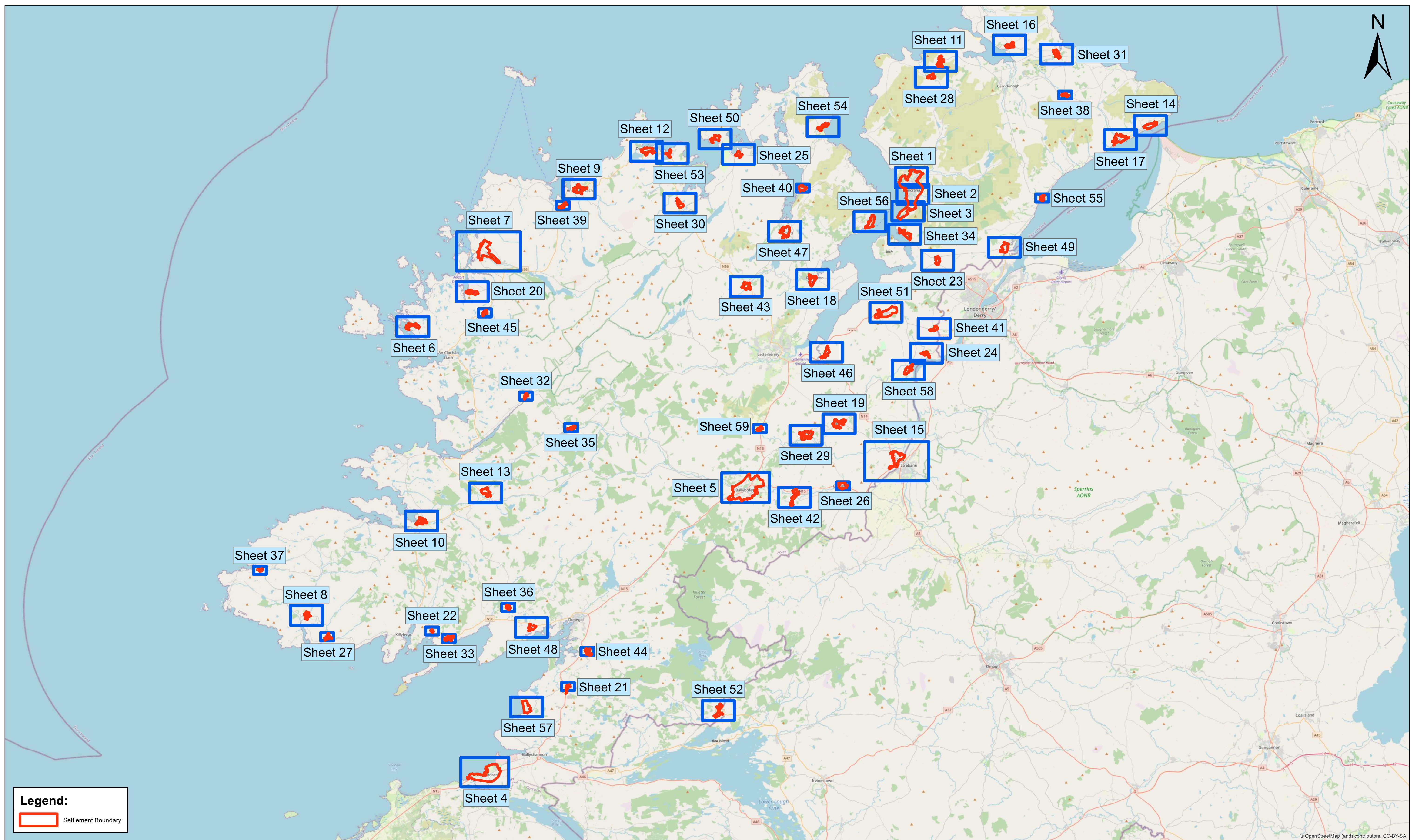
Settlement	Zone	Justification Test Criterion							Additional Comments	
		1	2i	2ii	2iii	2iv	2v	3		
Fintown	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	The southern boundary of the Fintown settlement runs parallel to the floodplain of the Fin river for approximately 1km. Nonetheless, no indicators of coastal or fluvial flood risk have been identified. The settlement is therefore within Flood Zone C.
Frosses	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Frosses (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
Gleann Cholm Cille	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	A section of the settlement lands is adjacent to the floodplain of the Murlin River. However, there are no indicators of coastal or fluvial flood risk within the existing settlement boundary. The settlement is therefore within Flood Zone C.
Gleneely	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding derived from the Culduff River affects the west of Fox Wood in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Glenties	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✗	Refer to Criterion response 3C	Fluvial flooding derived from the Stracashel River affects areas zoned as 'High Amenity' and 'Urban Core' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Gortnamucklagh_38 river affects the western boundary of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Gortnamucklagh_38 river extends across Cl6s Naomh Chonaill to join fluvial flooding derived from the Stracashel River in the 1 in 1000 year event, therefore, the lands are within Flood Zone B. The settlement boundary has been extended into the floodplain. A review of lands at the periphery indicate that alternative lands are available with lesser inherent flood risk. It has not been demonstrated that the flood risk to the additional lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The proposed changes to the settlement boundary are not in line with the sequential approach and cannot be justified.
	ST-HA-003	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding derived from the Stracashel River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-017	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding derived from the Stracashel River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Gort an Choire	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from the Glenna River and Gortahork River as indicated along the north western settlement boundary in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Greencastle	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Greencastle River along the coastal boundary of the settlement affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Kerrykeel	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Burnside River affecting Ford Garden, Bun Na Druid affects a portion of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Killea	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Killygordon	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding emanating from the River Finn and the Cross Roads (Stream) affects the south of the settlement South Creamery Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Kilmacrennan	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from Lurgy River affects the N56 in the north west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the Leannan River affects the South of Lennon View and the South of The Racecourse in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Laghy	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Laghy (Stream) affecting east of the N15, north of R232 and south Rathneeny Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Lifford	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the River Finn affecting areas zoned as 'High Amenity', 'Opportunity Sites', 'Community Infrastructure and 'Urban Core' affects a portion of the site in the north east and south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-008	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the River Finn [Donegal] affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.


Settlement	Zone	Justification Test Criterion							3	Additional Comments
		1	2i	2ii	2iii	2iv	2v			
	ST-OPS-003	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✗	Refer to Criterion response 3C	Fluvial flooding deriving from the River Finn [Donegal] affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that a significant proportion of the zoning is within Flood Zone A/B. The proposed land use is generally inappropriate in areas vulnerable to flooding as per the OPW Guidelines. There are alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk. It has not been demonstrated that the flood risk to the proposed zoned lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The zoning is not in line with the sequential approach and cannot be justified. The following actions should be considered: Reduce the zoned area so they remain outside flood risk areas; and/or Replace the existing zoning with a zoning for less vulnerable uses.
	ST-UC-007	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the River Finn [Donegal] affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Loughanure	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Malin	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding along the southern border of the settlement affects the Malin (Stream) in the west of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from Malin (Stream) affects Millbrook Terrace in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Manorcunningham	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping is currently available.
	ST-HA-012	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping is currently available.
	ST-UC-002	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Manorcunningham (OPW National Flood Hazard Mapping) from Runoff from high ground causes flooding every 5 years approximately after very heavy rain. The road is liable to flood and properties are affected. No detailed flood extents mapping is currently available.
Milford	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
	ST-HA-014	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
	ST-UC-016	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
	ST-CI-003	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Milford (OPW National Flood Hazard Mapping). However, no details are currently available. A precautionary approach in line with the OPW guidelines should be undertaken when proposing any development within the settlement
Mountcharles	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-014	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
Moville	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal Flooding affects areas zoned as 'High Amenity' and the Bredagh River in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding from the Bredagh River affects areas zoned in 2018 as 'High Amenity' along the Bredagh River and the southern border of the settlement along the coast in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
	ST-HA-009	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding deriving from the Bredagh River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-UC-001	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding deriving from the Bredagh River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Settlement	Zone	Justification Test Criterion							3	Additional Comments
		1	2i	2ii	2iii	2iv	2v			
Muff	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from the Liberty Bridge River affects areas zoned as 'Urban Core' in the south of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-004	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-011	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from the Liberty Bridge River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Na Dúnaibh (Downings)	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding affecting Downings Pier in the west and the east of the settlement, fluvial flooding in Flood Zone A deriving from the Rosepenna River affects east of R248 in the east of the settlement in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Newtowncunningham	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding in the north east of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding from the river Glar affects areas zoned as 'High Amenity' and 'Urban Core' in the south west of the settlement, along Long Ln. and the western boundary of the settlement, west of Monad Road in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-HA-015	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from the River Glar affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
	ST-OPS-001	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✗	Refer to Criterion response 3C	Fluvial flooding from the River Glar affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Sources consulted indicate that a significant proportion of the zoning is within Flood Zone A/B. The proposed land use is generally inappropriate in areas vulnerable to flooding as per the OPW Guidelines. There are alternative land parcels within the settlement that can provide the proposed land use with lesser inherent flood risk. It has not been demonstrated that that the flood risk to the proposed zoned lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The zoning is not in line with the sequential approach and cannot be justified. The following actions should be considered: Reduce the zoned area so they remain outside flood risk areas; and/or Replace the existing zoning with a zoning for less vulnerable uses.
	ST-OPS-002	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3A	No indicators of coastal or fluvial flood risk have been identified. The settlement / zoning is therefore within flood zone C.
	ST-UC-006	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding from the River Glar affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Pettigoe	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding along the western boundary of the settlement along the Billery River affects east of R233 north east of the settlement and Mill Street in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Portnablagh	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Breaghy River affects the north of the settlement at Portnablagh Pier in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Portsalon	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Cashelpreaghan River affects south of The Fairways along the river and 'The Pier, Portsalon' in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Quigley's Point	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✗	Refer to Criterion response 3C	Fluvial flooding derived from the Bogstown River affects south of Quigleys Point Community Centre to north of Millbay Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. The settlement boundary has been extended into the floodplain. A review of lands at the periphery indicate that alternative lands are available with lesser inherent flood risk. It has not been demonstrated that that the flood risk to the additional lands can be adequately managed and the use or development of the lands will not cause unacceptable adverse impacts elsewhere. The proposed changes to the settlement boundary are not in line with the sequential approach and cannot be justified.
Ramelton	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal Flooding affects the Leannan River, areas zoned as 'High Amenity' on the north bank of the river, The Quays to North of Pound Street in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial Flooding deriving from the Leannan River, areas zoned as 'High Amenity' on the north bank of the river, The Quays and West of An Sruthan in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
	ST-HA-010	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding and fluvial flooding deriving from the Leannan River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

Settlement	Zone	Justification Test Criterion							Additional Comments	
		1	2i	2ii	2iii	2iv	2v	3		
	ST-UC-015	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial Flooding deriving from the Leannan River affects a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
Raphoe	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Raphoe (OPW National Flood Hazard Mapping) from overland flow emanating from the surrounding hills and minor streams within the town. No detailed flood extents mapping is currently available. However, a flood alleviation scheme for the town is currently being progressed.
	ST-UC-008	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Recurring flooding has been recorded in Raphoe (OPW National Flood Hazard Mapping) from overland flow emanating from the surrounding hills and minor streams within the town. No detailed flood extents mapping is currently available. However, a flood alleviation scheme for the town is currently being progressed.
Rathmullan	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Coastal flooding along the coastal border of the settlement affecting Main Street in the South of the settlement in the 1 in 200 year coastal event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Aghavannan Near river affects north of R247 in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A. Fluvial flooding deriving from the Mill Brook river affects to the west of Inch View in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
Rossnowlagh	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding along the coastal boundary of the settlement affects an area zoned as 'High Amenity' in the 1 in 100 year fluvial event, therefore, the lands are within Flood Zone A.
	ST-HA-005	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the Ardeelan River and the Rosnowlagh Lower River along the western boundary (the coast) of the settlement affecting a portion of the site in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.
St. Johnston	Settlement	Refer to Criterion response 1D	✓	✓	✓	✓	✓	✓	Refer to Criterion response 3B	Fluvial flooding deriving from the River Foyle and Johnston Stream in the east of the settlement affecting north of Main Street to Railway Park in the 1 in 100 year fluvial or 1 in 200 year coastal event, therefore, the lands are within Flood Zone A.

APPENDIX C JUSTIFICATION TEST MAPPING



Legend:
 Settlement Boundary



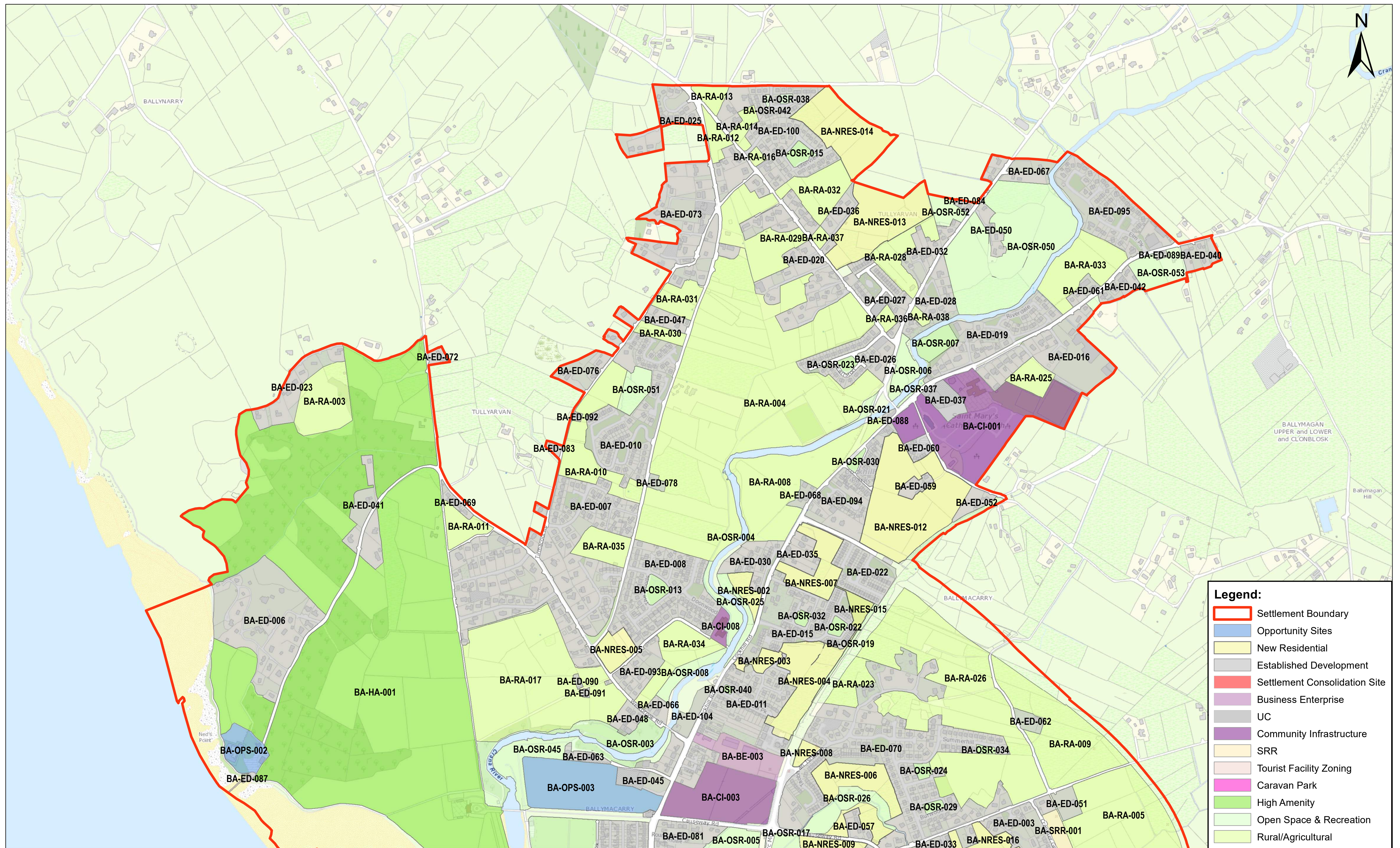
No.	Revision	Date	By	Chk'g	App'd
P01	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P02	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



Arena House, Arena Road, Sandyford, Dublin 18, Ireland
 t +353 (0) 1 294 0800
 f +353 (0) 1 294 0820
 www.rod.ie

Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONING MAP FOR JUSTIFICATION TEST SHEET LAYOUT				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40100
Scale (A1)	1:220,000	Date:	April 2023	Job No:	22.153
				Rev:	P02



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



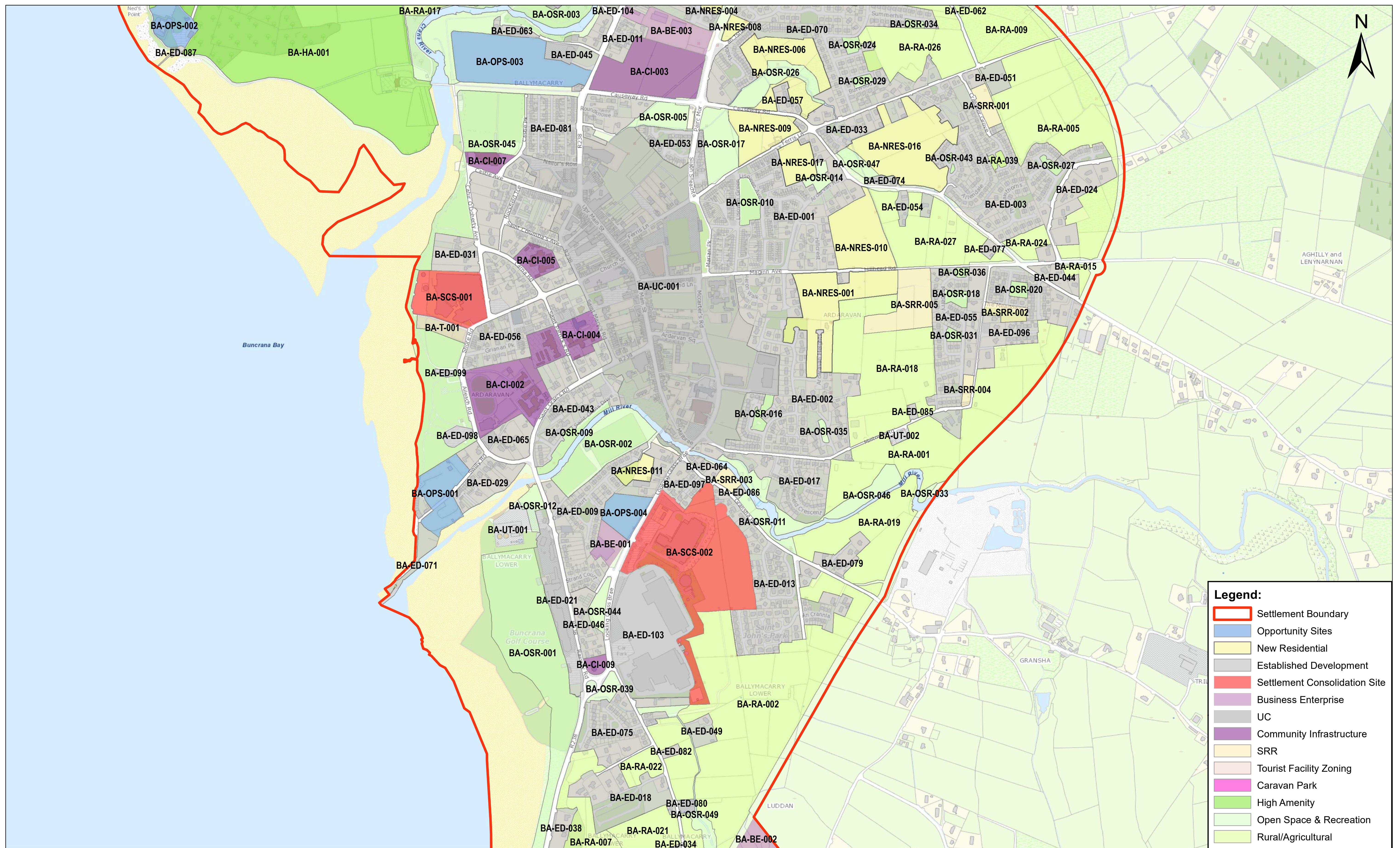
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



Arena House, Arena Road, Sandyford, Dublin 18, Ireland
 t +353 (0) 1 294 0800
 f +353 (0) 1 294 0820
 www.rod.ie

Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BUNCRANNA SHEET 1 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40101
Scale (A1)	1:5,000	Date	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



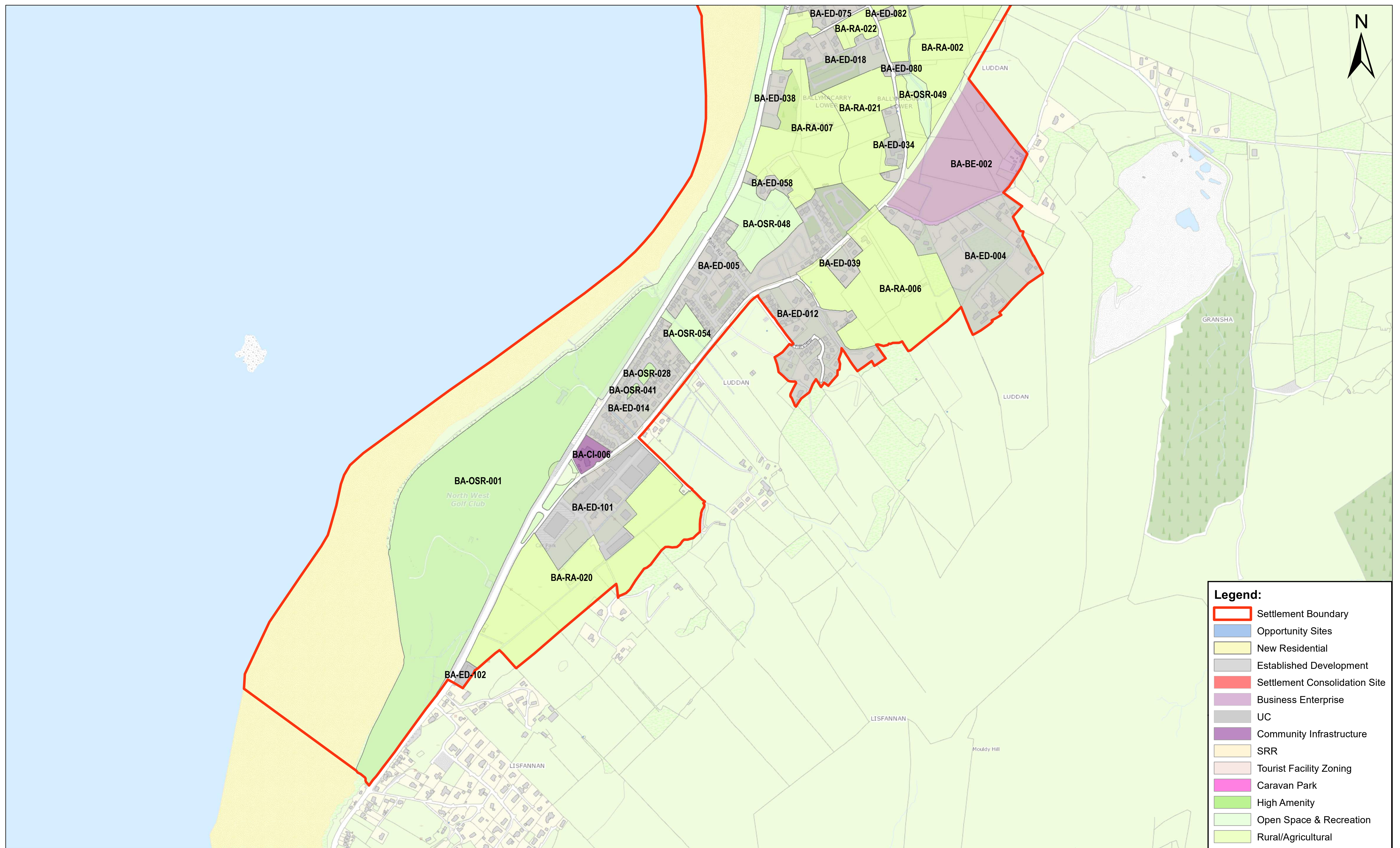
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P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BUNCRANNA SHEET 2 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40102
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



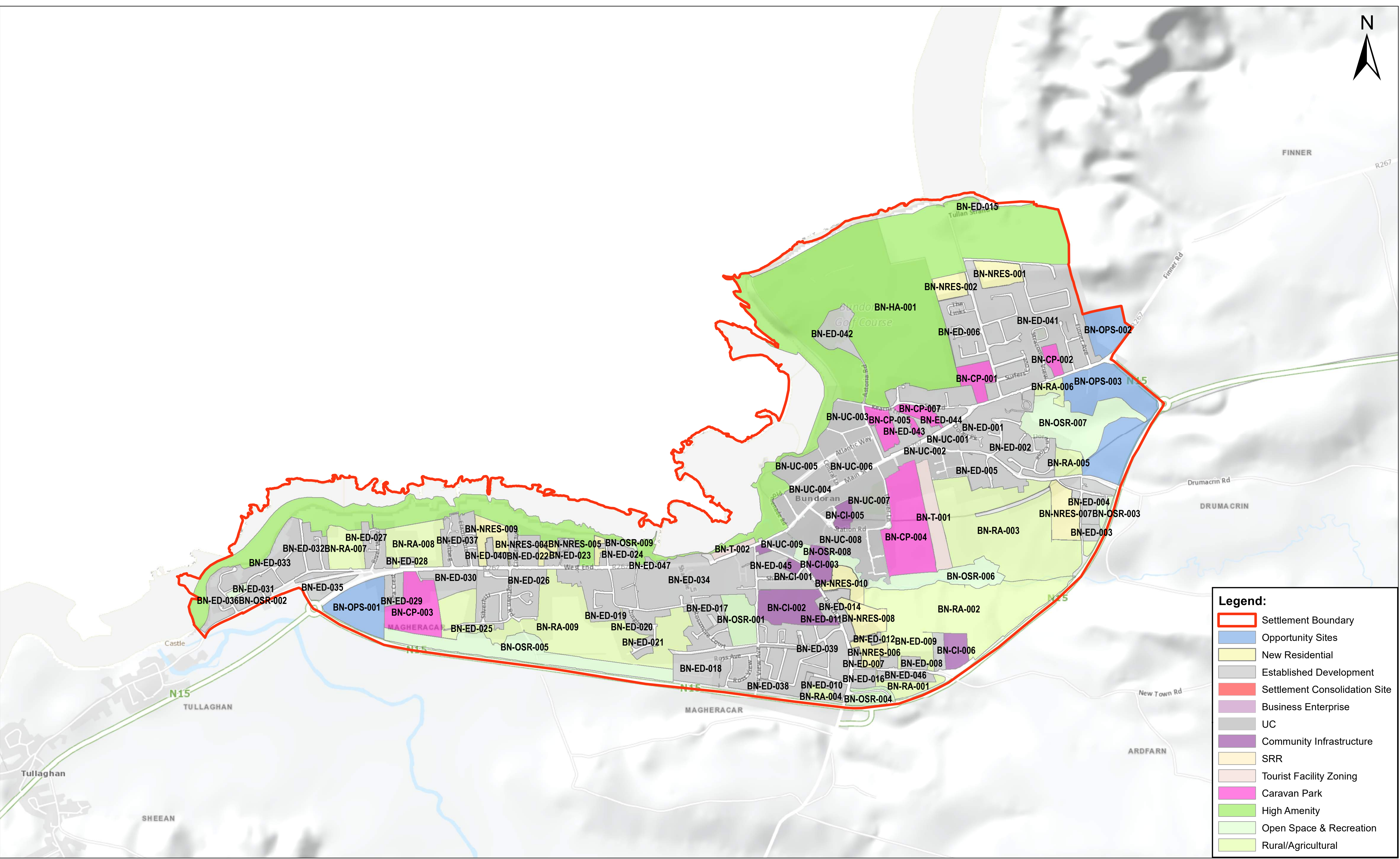
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P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BUNCRANNA SHEET 3 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40103
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



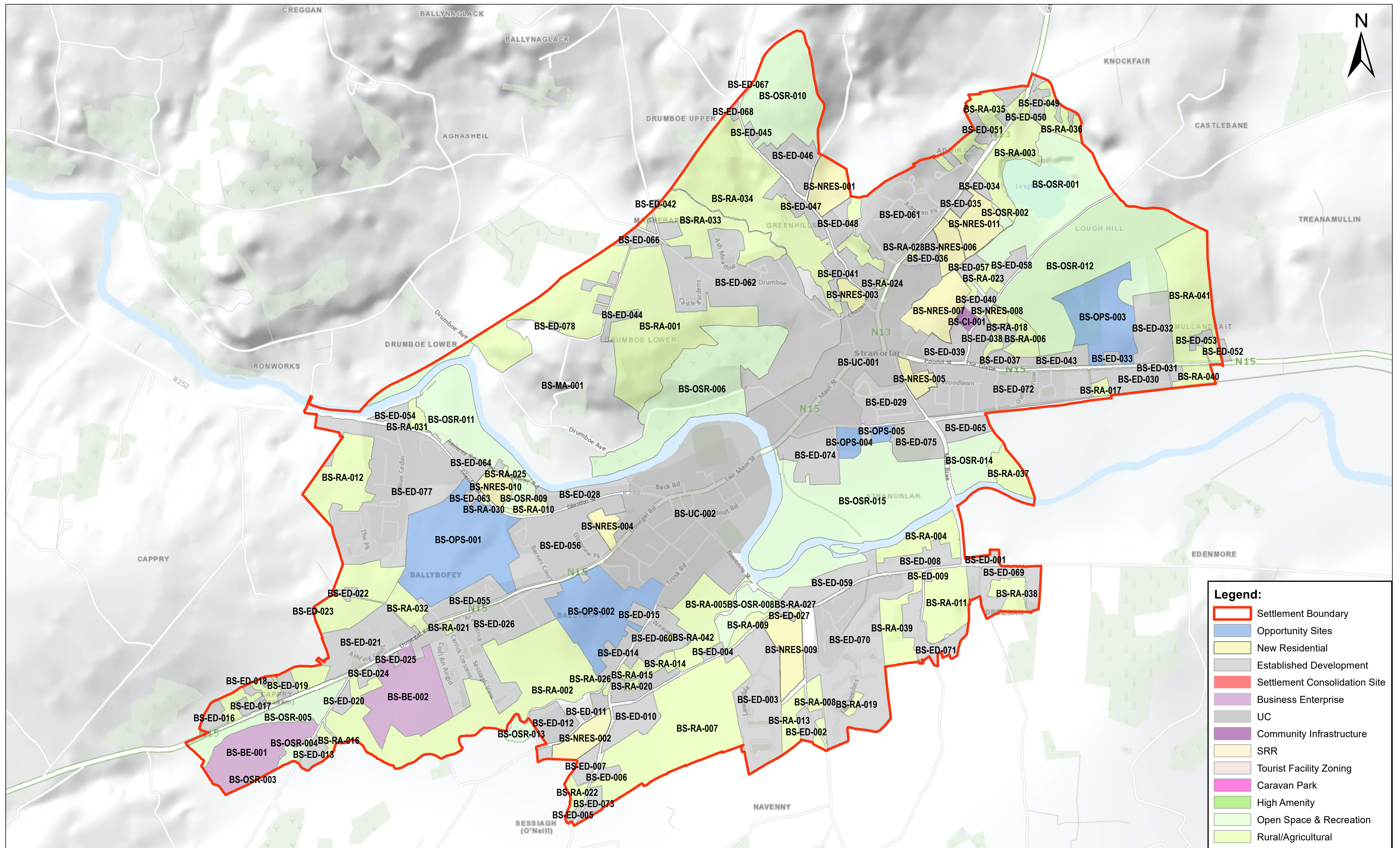
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P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BUNDORAN SHEET 4 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:7,500	Date	April 2023	Job No:	22.153	Rev:	P03



No.	Revision	Date	By	Chk'd	App'd
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BALLYBOFEY STRANORLAR SHEET 5 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
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Scale (A1)	1:7,500	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



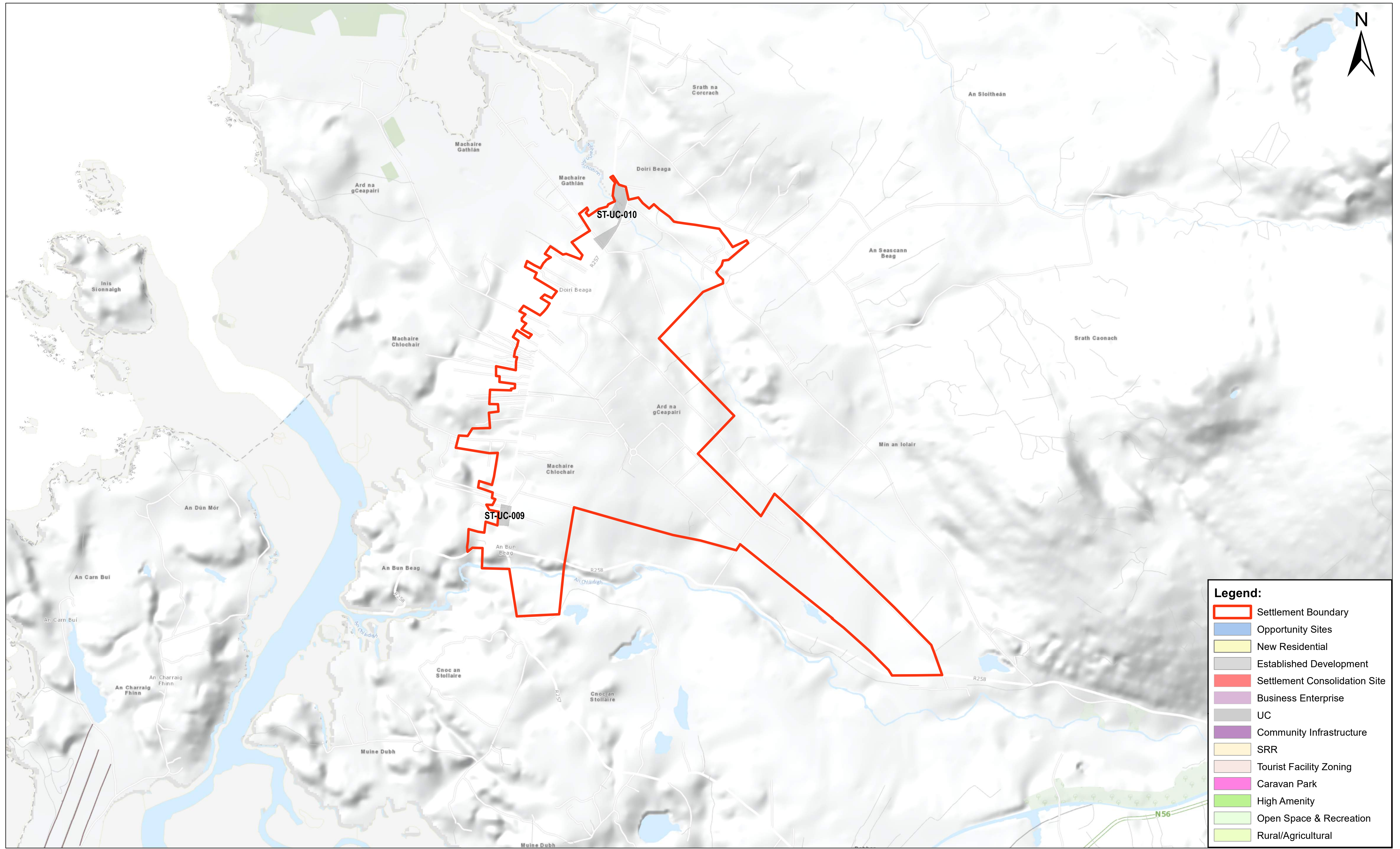
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST AILT AN CHORRÁIN SHEET 6 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40106
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



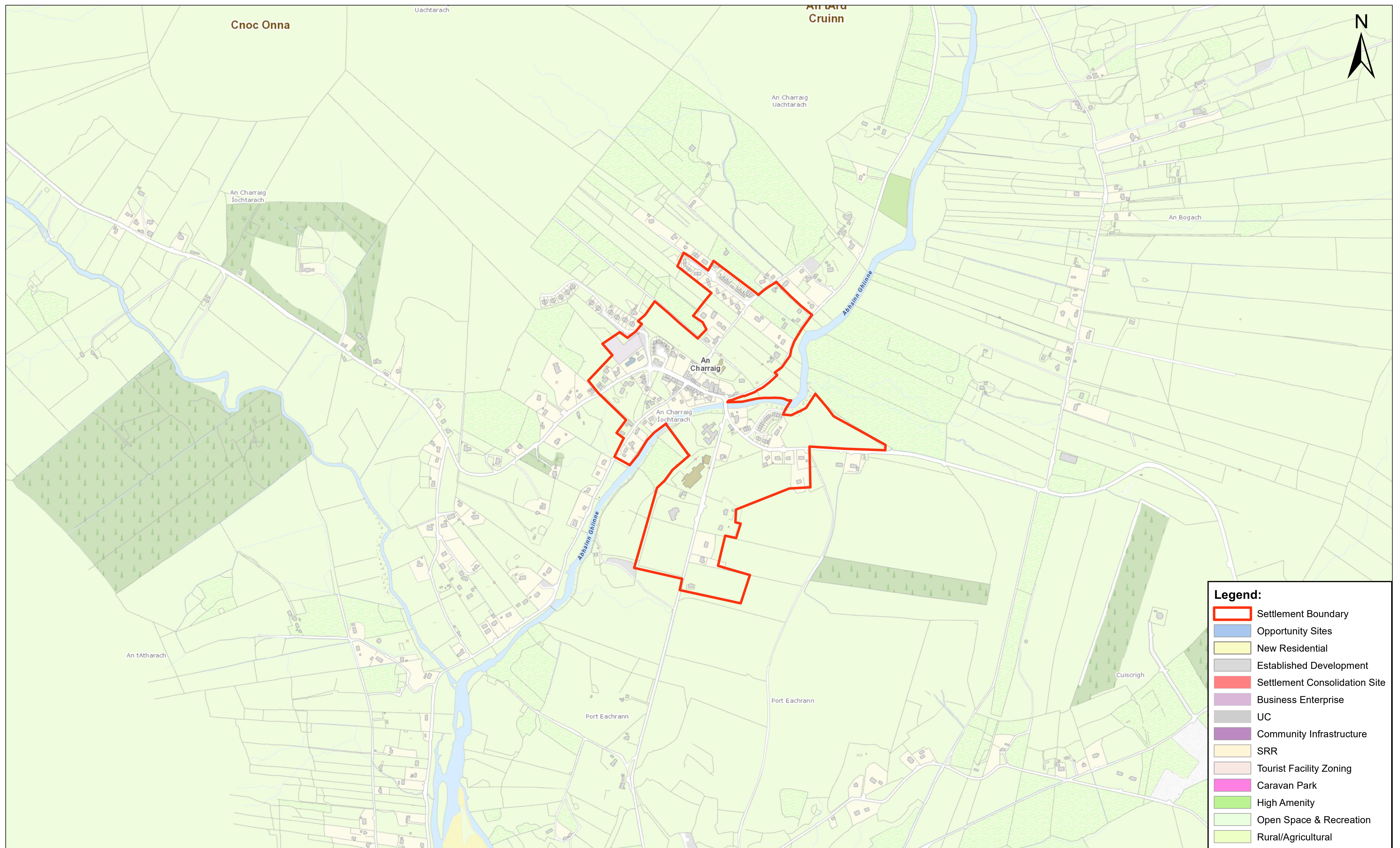
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST AN BUN BEAG - DOIRI BEAG SHEET 7 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40107
Scale (A1)	1:10,000	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
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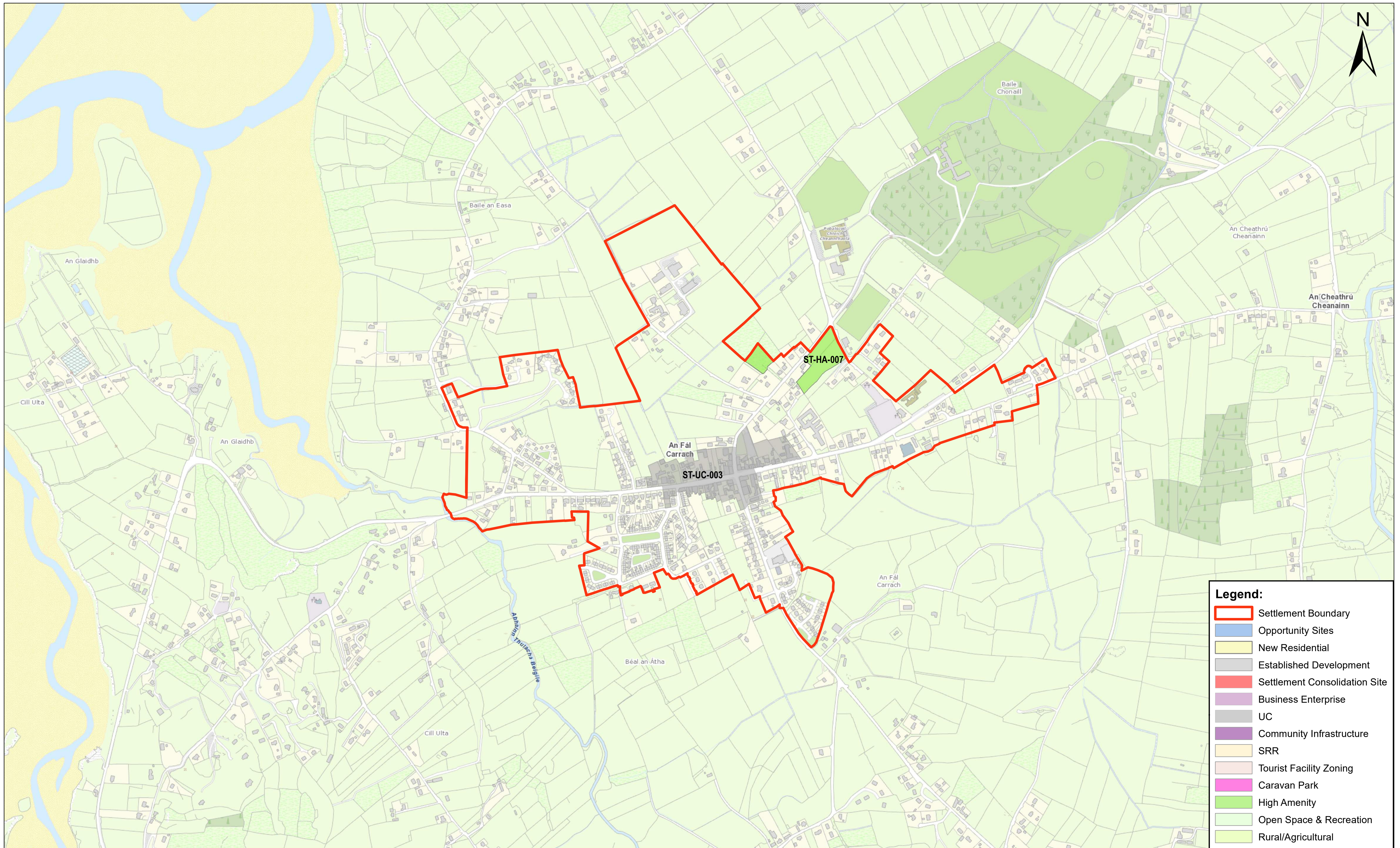
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST AN CHARRAIG SHEET 8 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



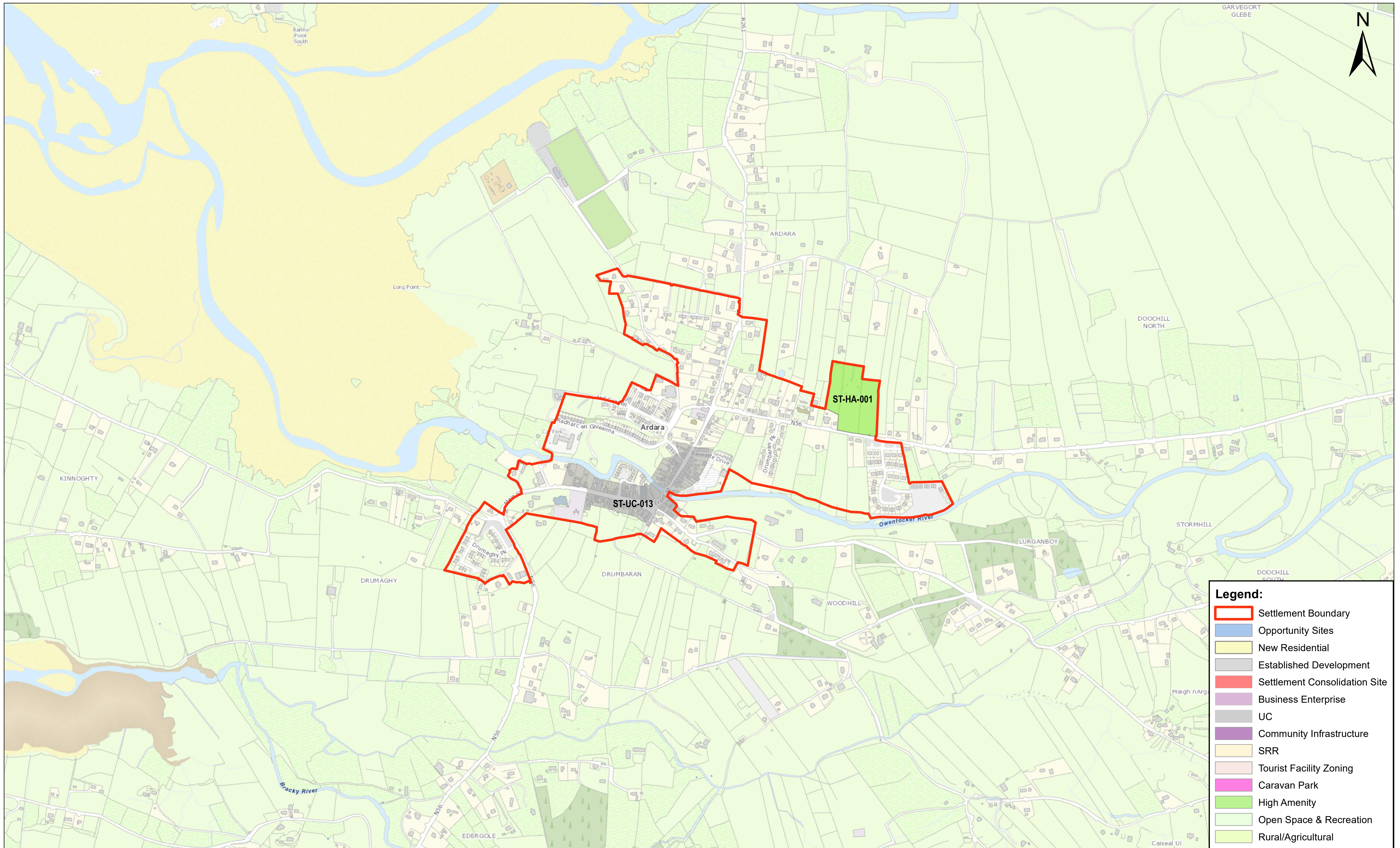
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST AN FÁL CARRACH SHEET 9 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
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- Business Enterprise
- UC
- Community Infrastructure
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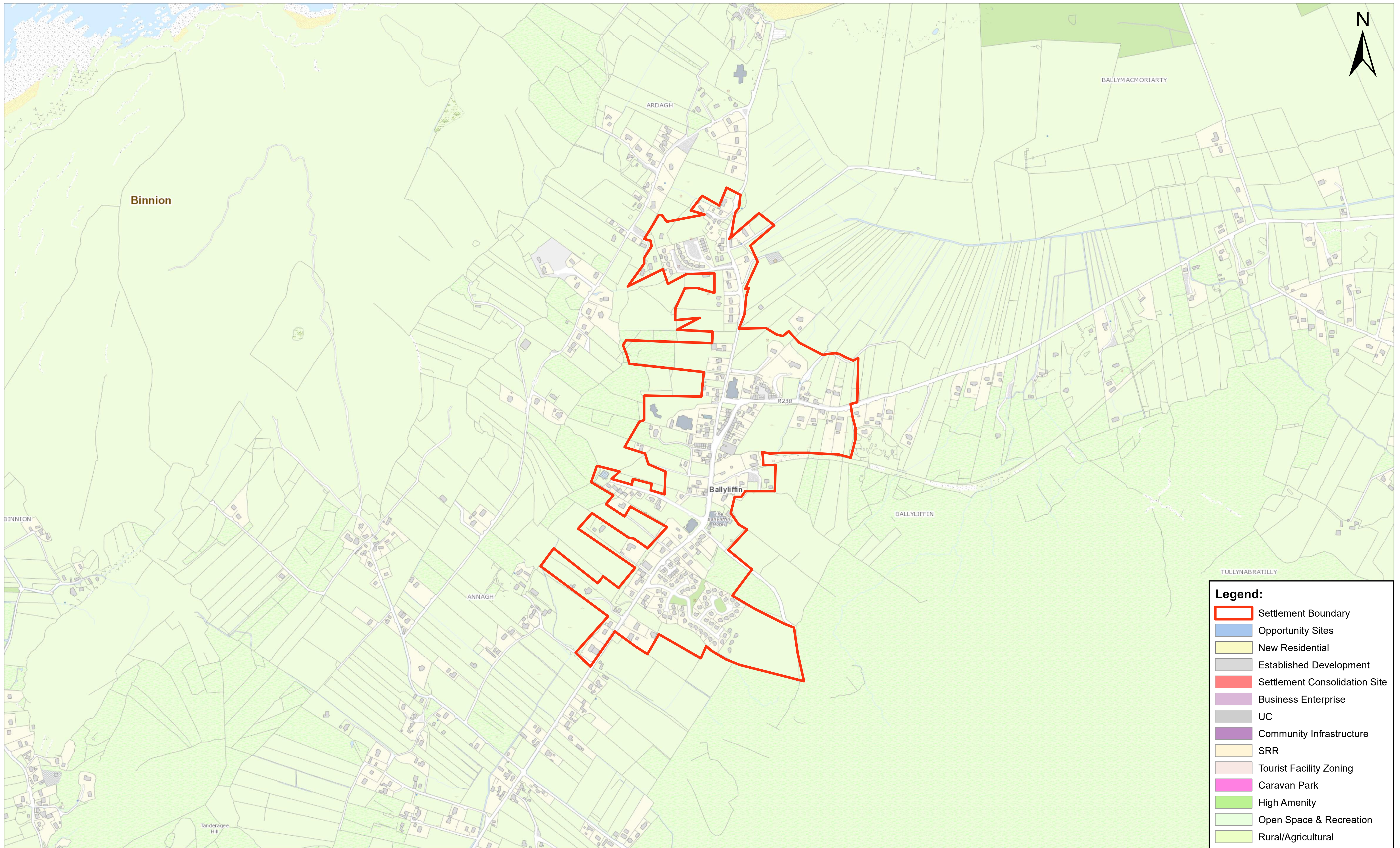
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST ARDARA SHEET 10 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

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- Opportunity Sites
- New Residential
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- Business Enterprise
- UC
- Community Infrastructure
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- Caravan Park
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- Open Space & Recreation
- Rural/Agricultural



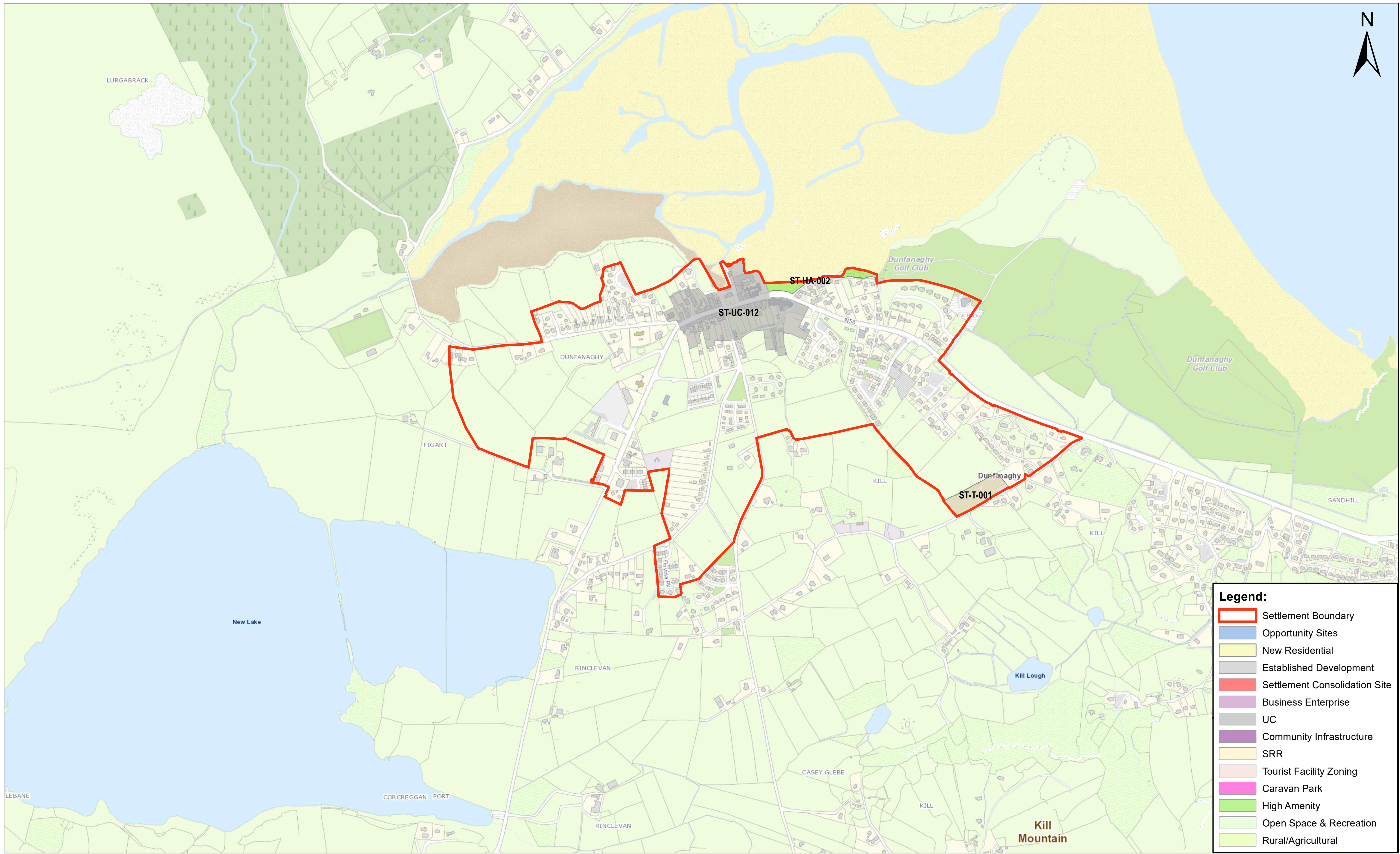
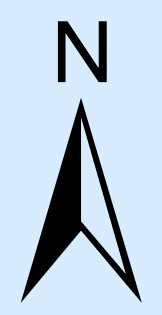
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BALLYLIFFIN SHEET 11 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



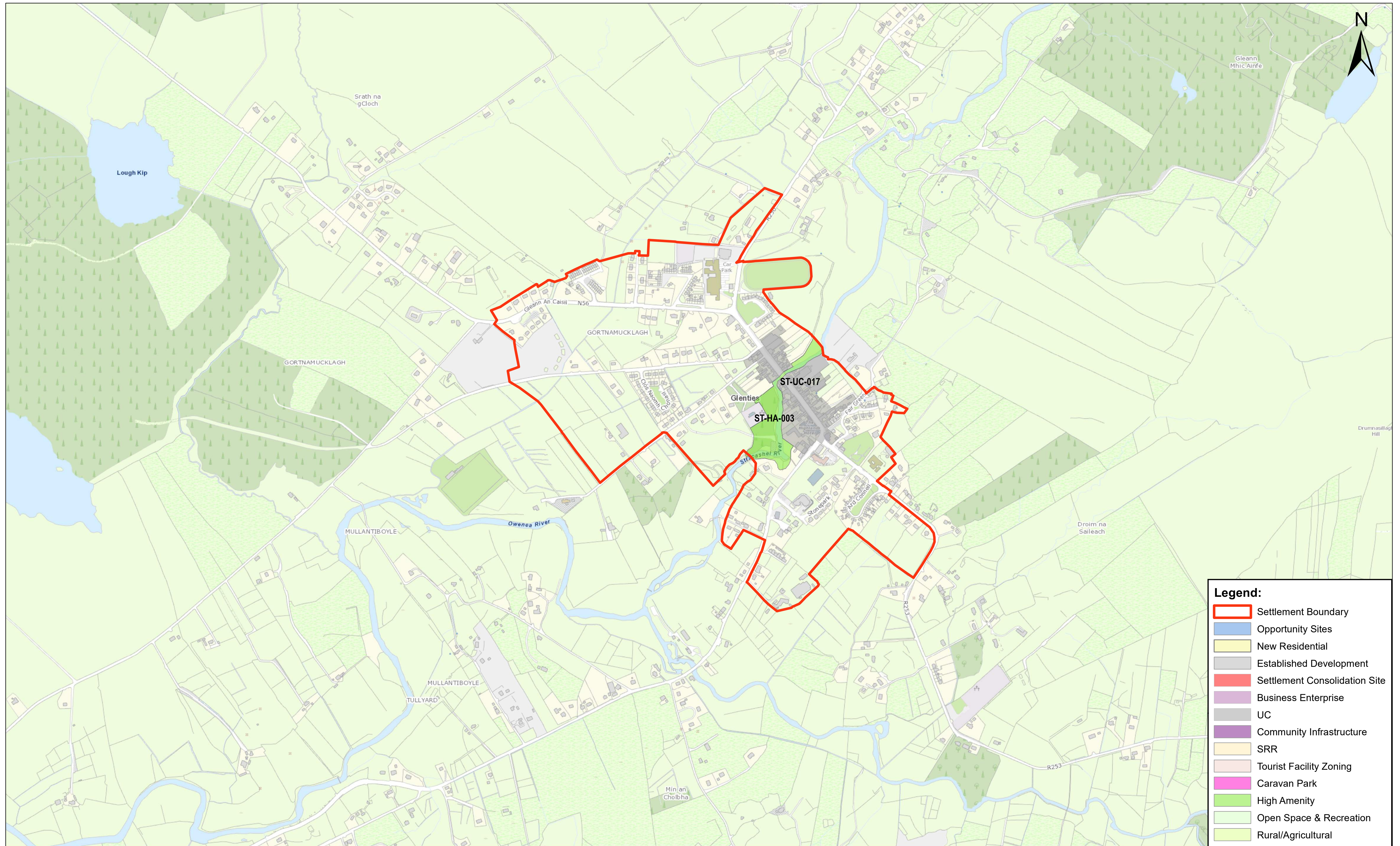
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST DUNFANAGHY SHEET 12 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
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- Rural/Agricultural



No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST GLENTIES SHEET 13 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
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- High Amenity
- Open Space & Recreation
- Rural/Agricultural



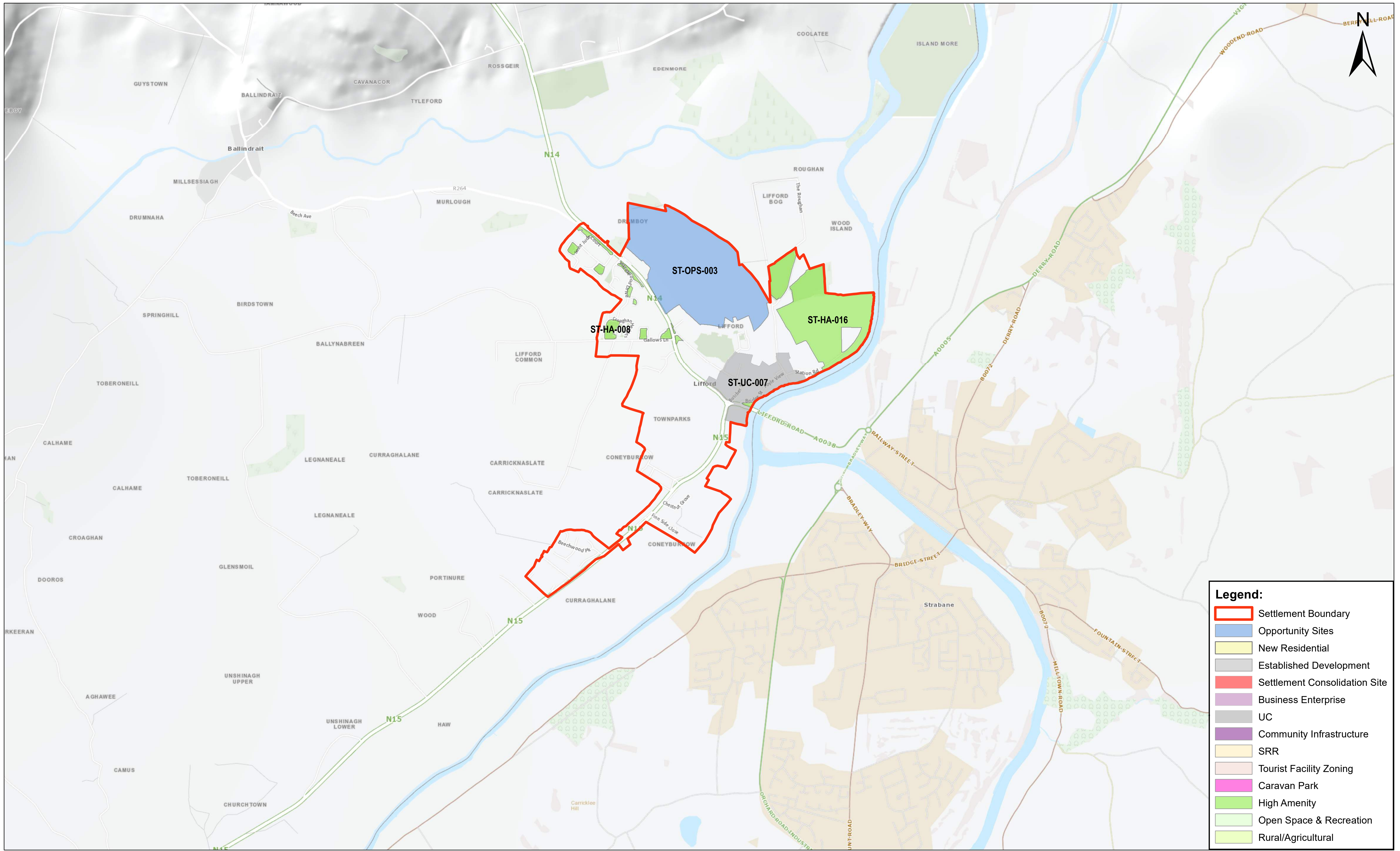
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST GREENCASTLE SHEET 14 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
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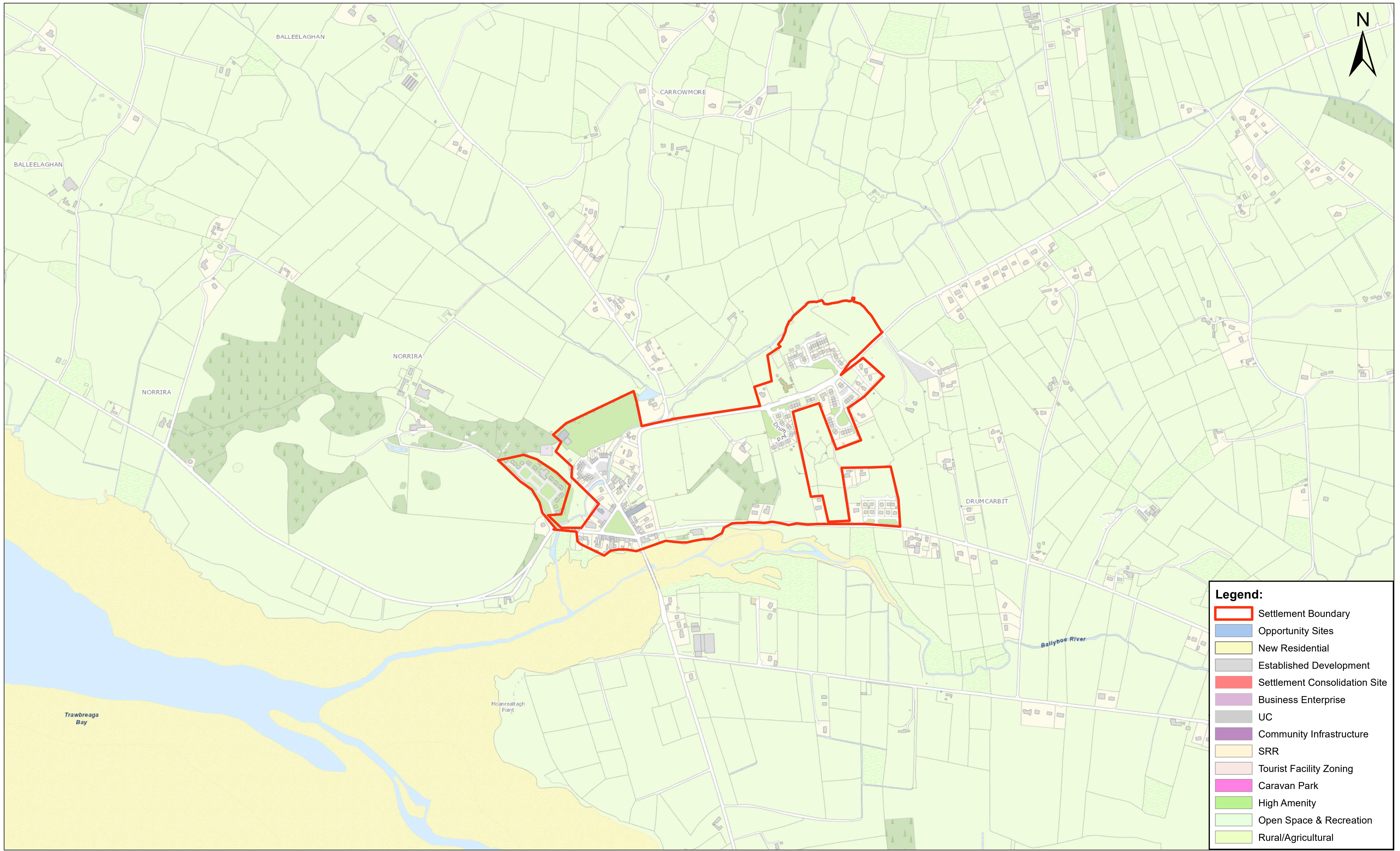
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P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST LIFFORD SHEET 15 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:10,000	Date	April 2023	Job No	22.153	Rev	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
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- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
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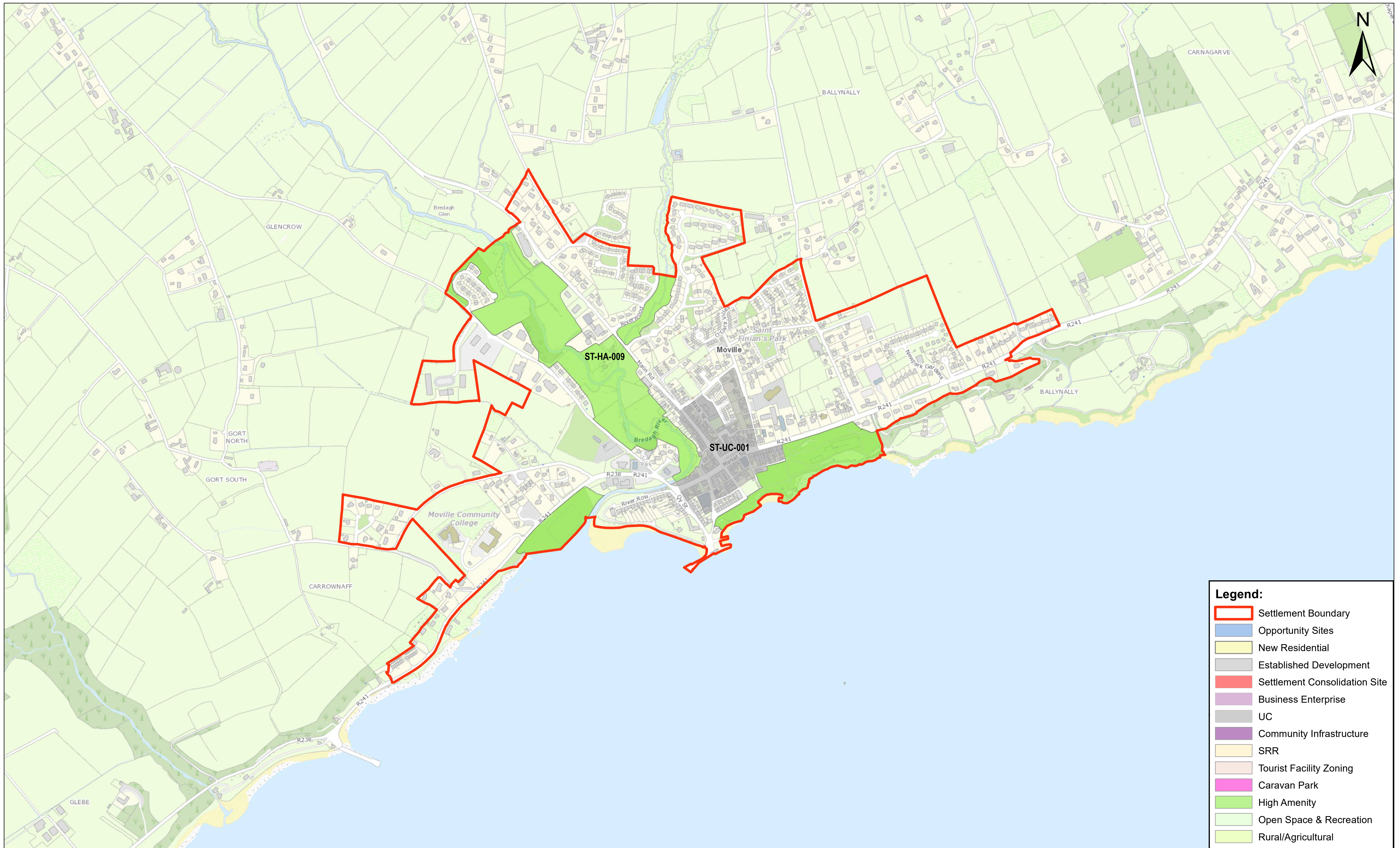
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P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST MALIN SHEET 16 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
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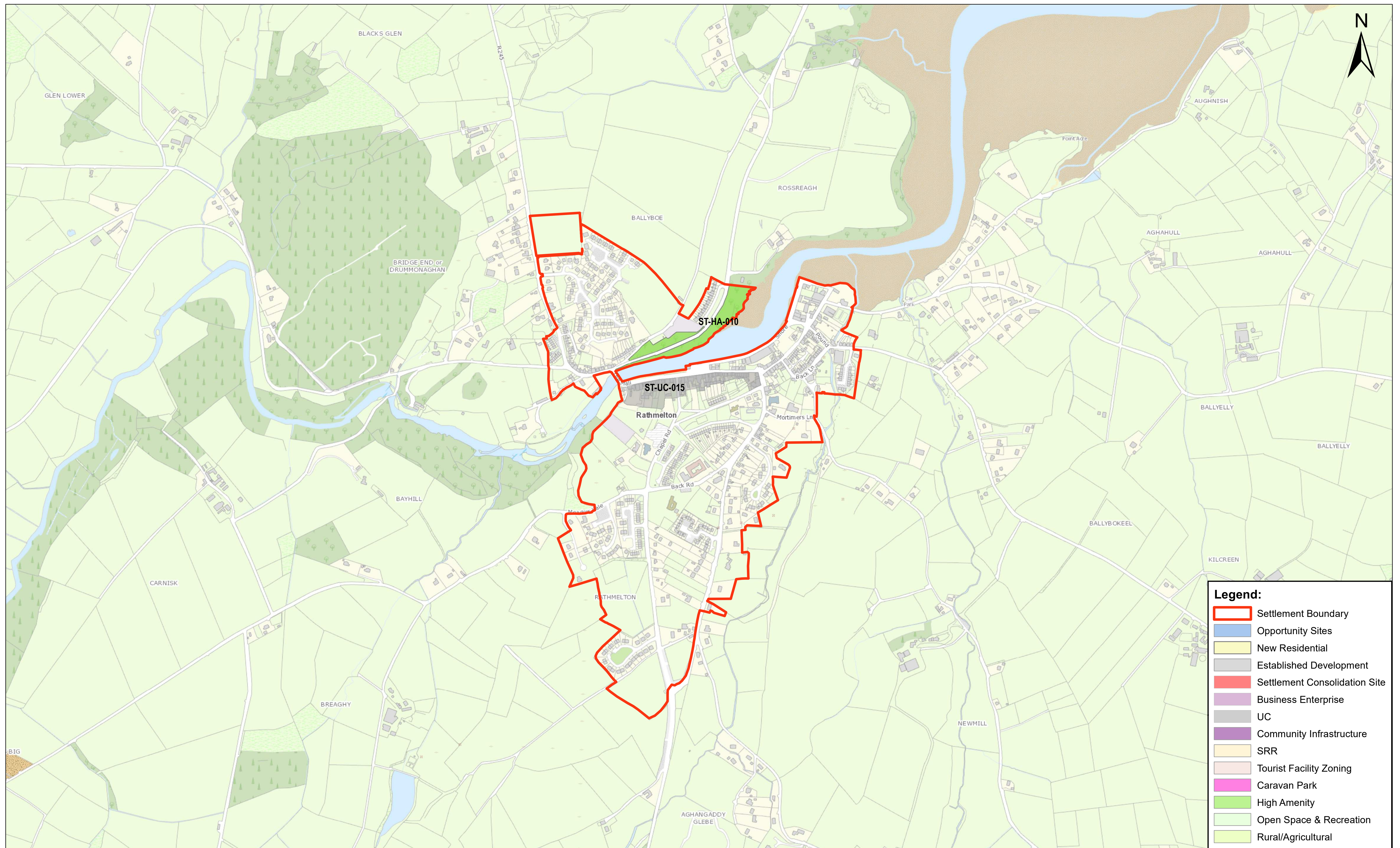
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST MOVILLE SHEET 17 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
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- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



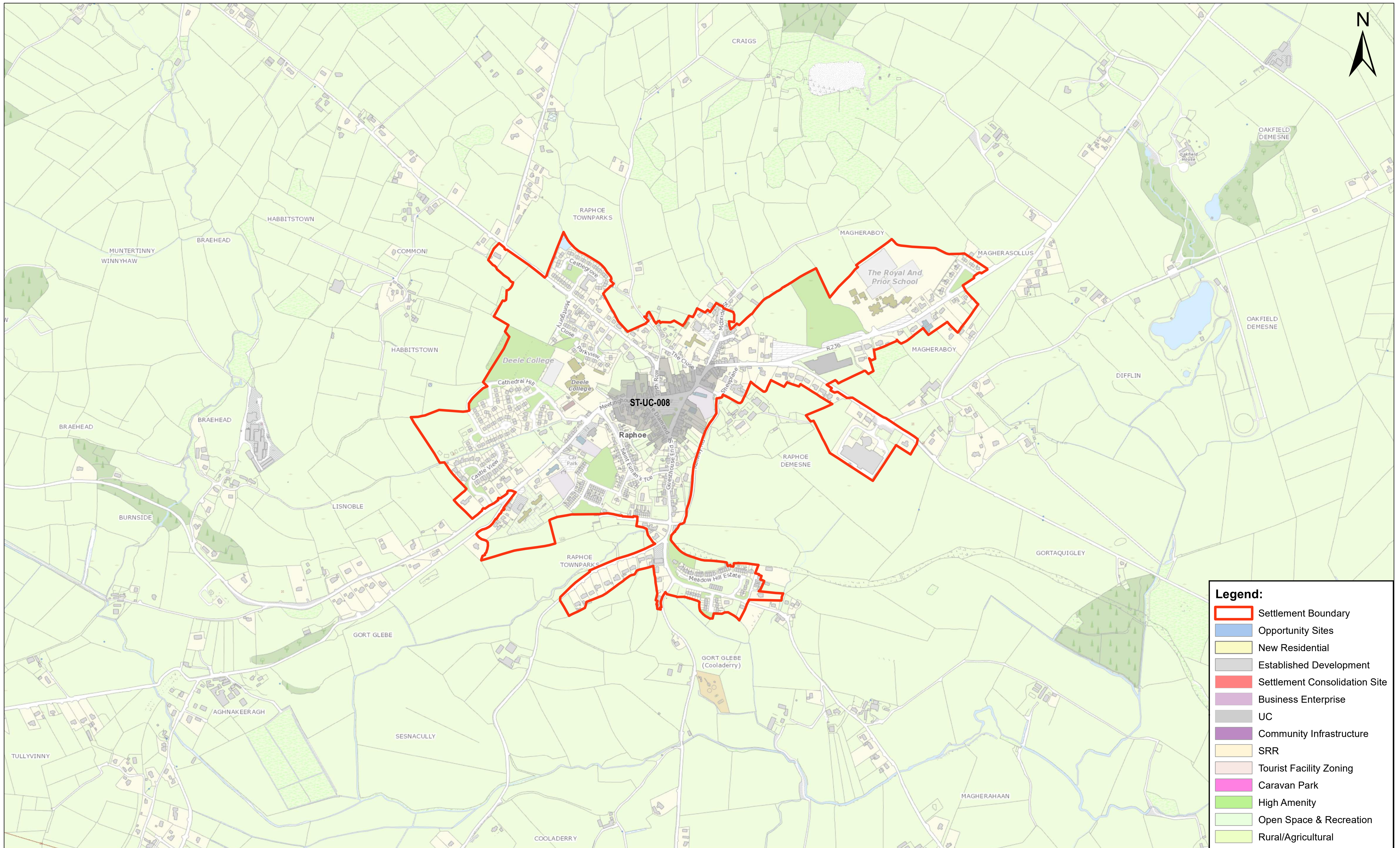
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST RATHMELTON SHEET 18 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40118
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



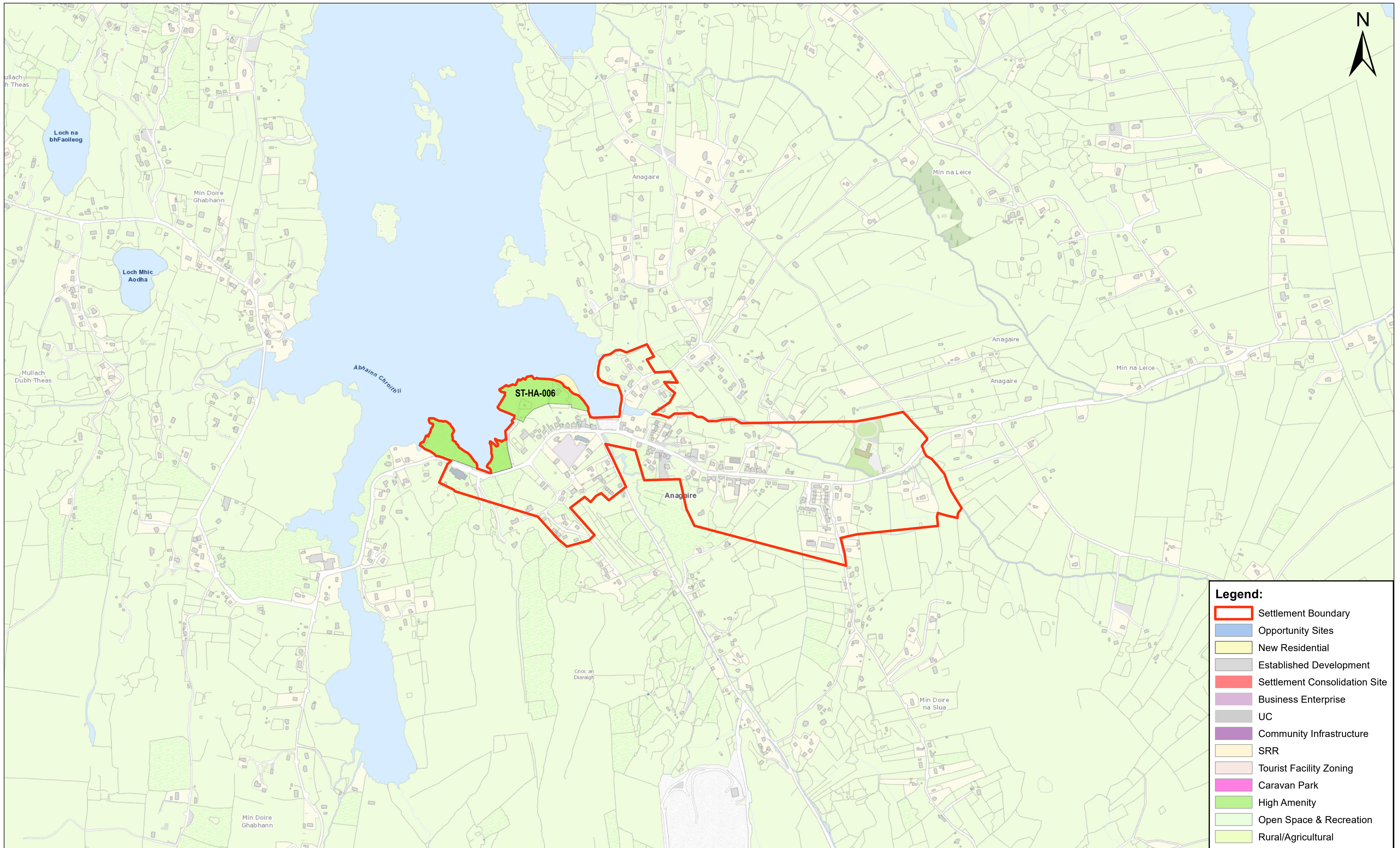
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST RAPHOE SHEET 19 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40119
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



- Legend:**
- Settlement Boundary
 - Opportunity Sites
 - New Residential
 - Established Development
 - Settlement Consolidation Site
 - Business Enterprise
 - UC
 - Community Infrastructure
 - SRR
 - Tourist Facility Zoning
 - Caravan Park
 - High Amenity
 - Open Space & Recreation
 - Rural/Agricultural



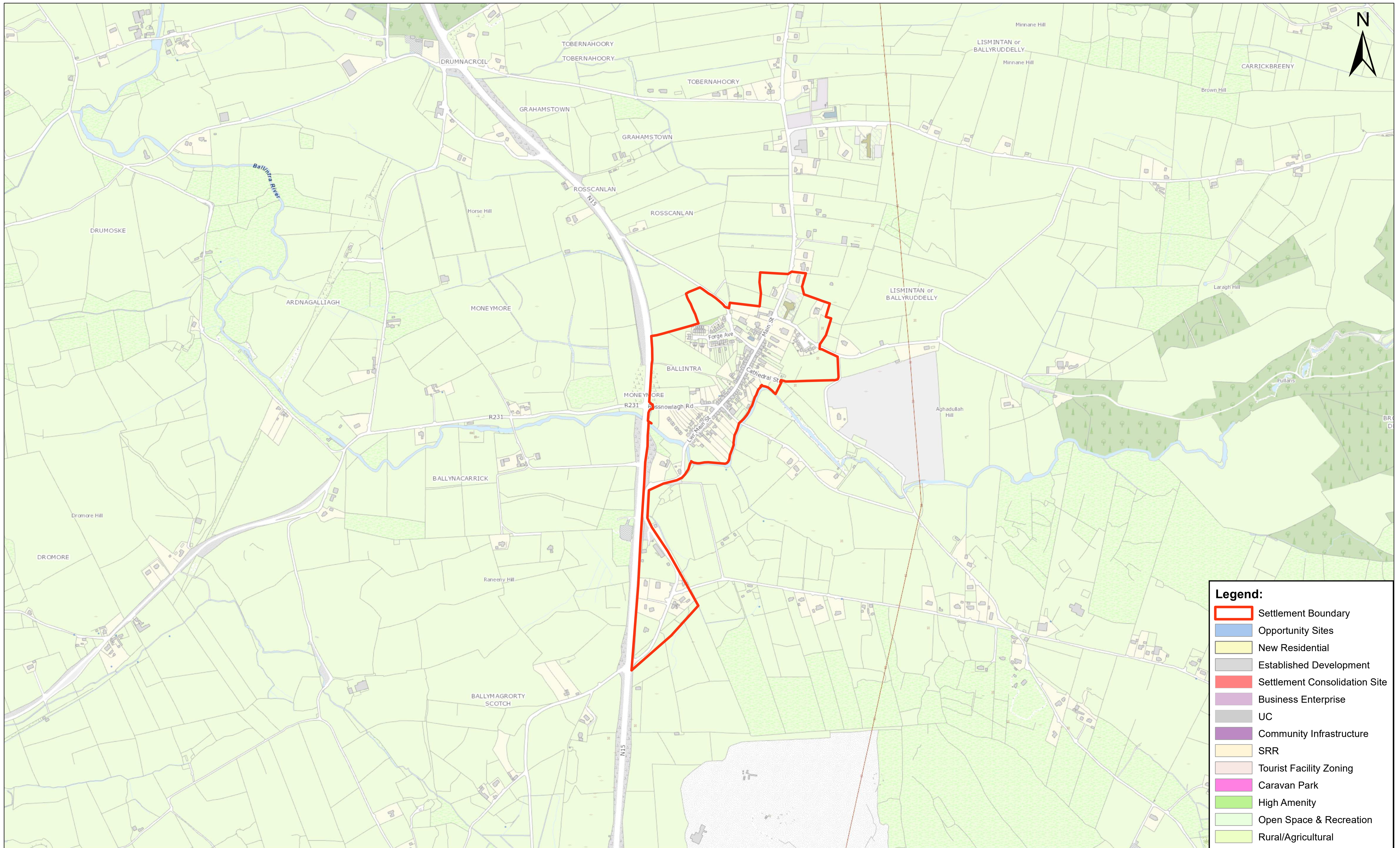
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST ANNAGRY SHEET 20 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



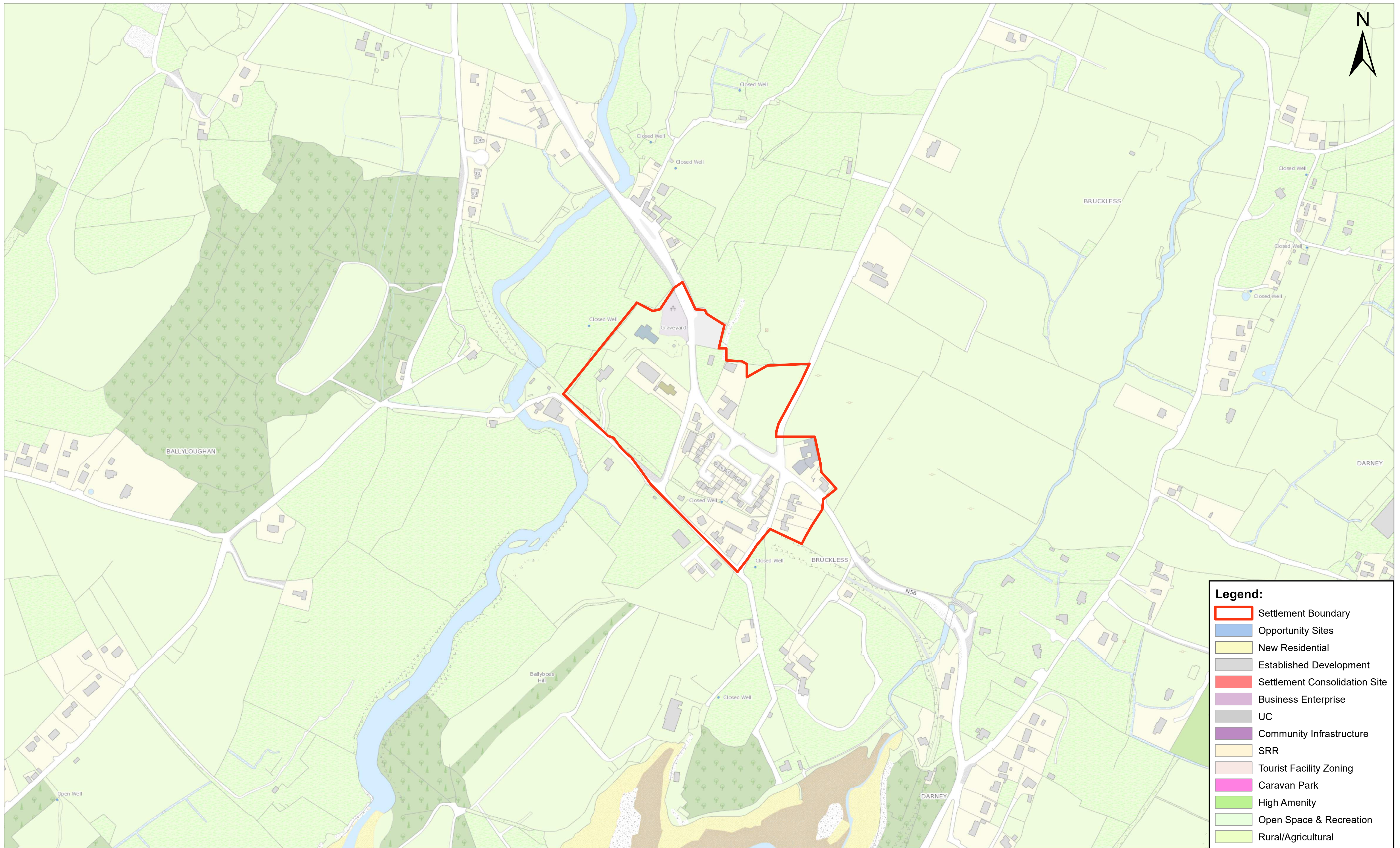
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BALLINTRA SHEET 21 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40121
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



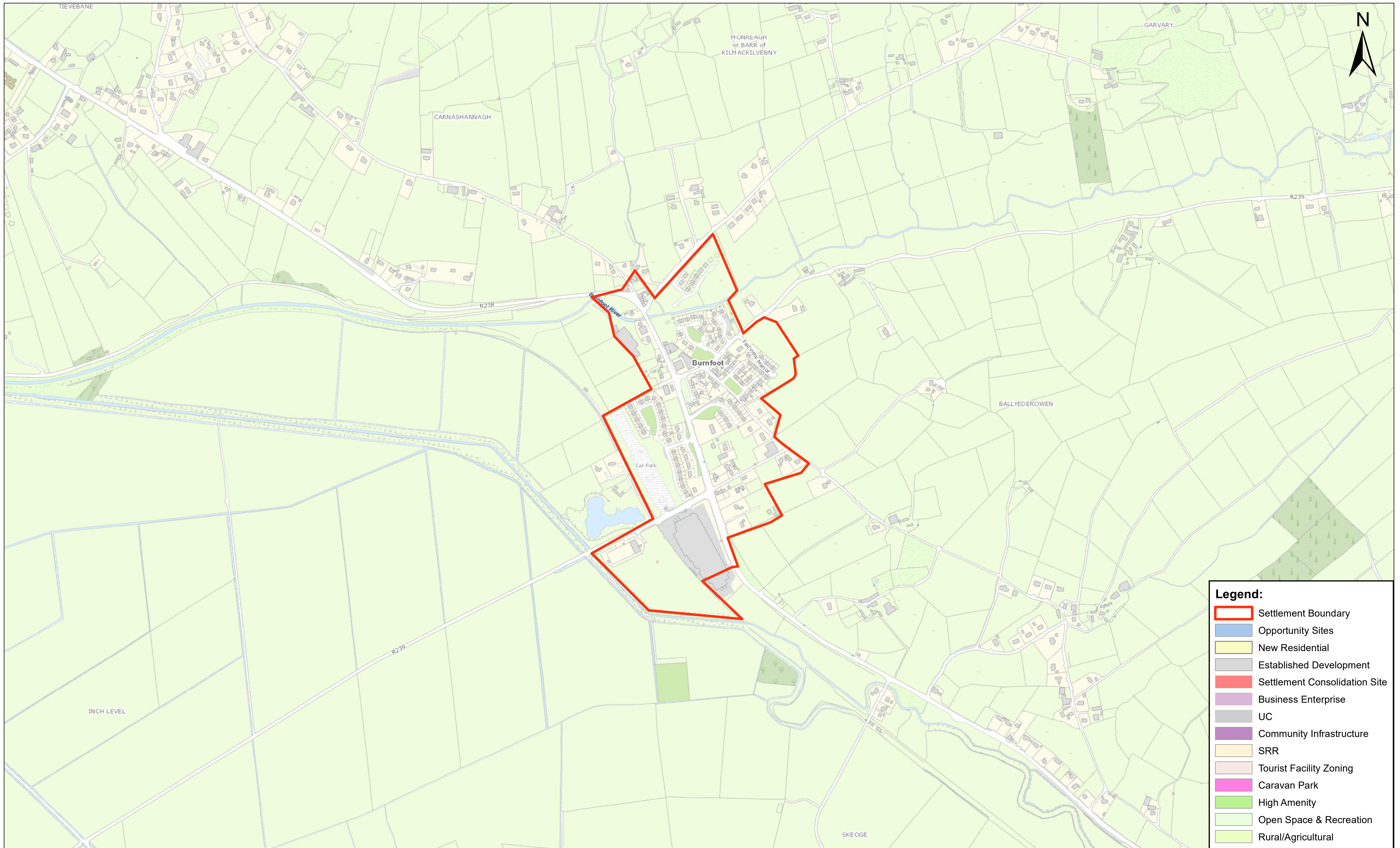
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BRUCKLESS SHEET 22 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40122
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST BURNFOOT SHEET 23 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
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- SRR
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No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CARRIGANS SHEET 24 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40124
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
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- Open Space & Recreation
- Rural/Agricultural



No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CARRIGART SHEET 25 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
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- Open Space & Recreation
- Rural/Agricultural



**Comhairle Contae
Dhún na nGall**
Donegal County Council

No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

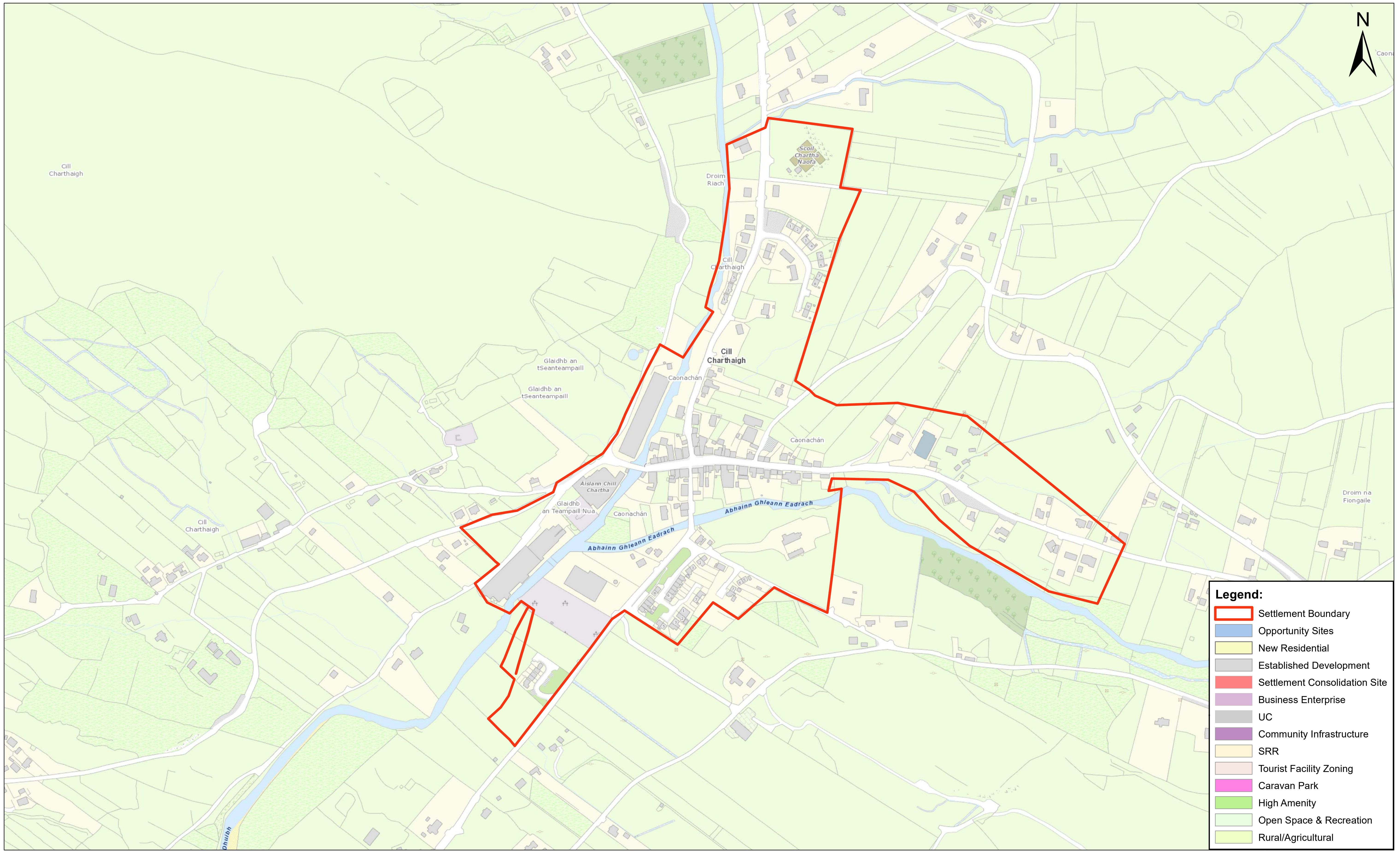


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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CASTLEFINN SHEET 26 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40126
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



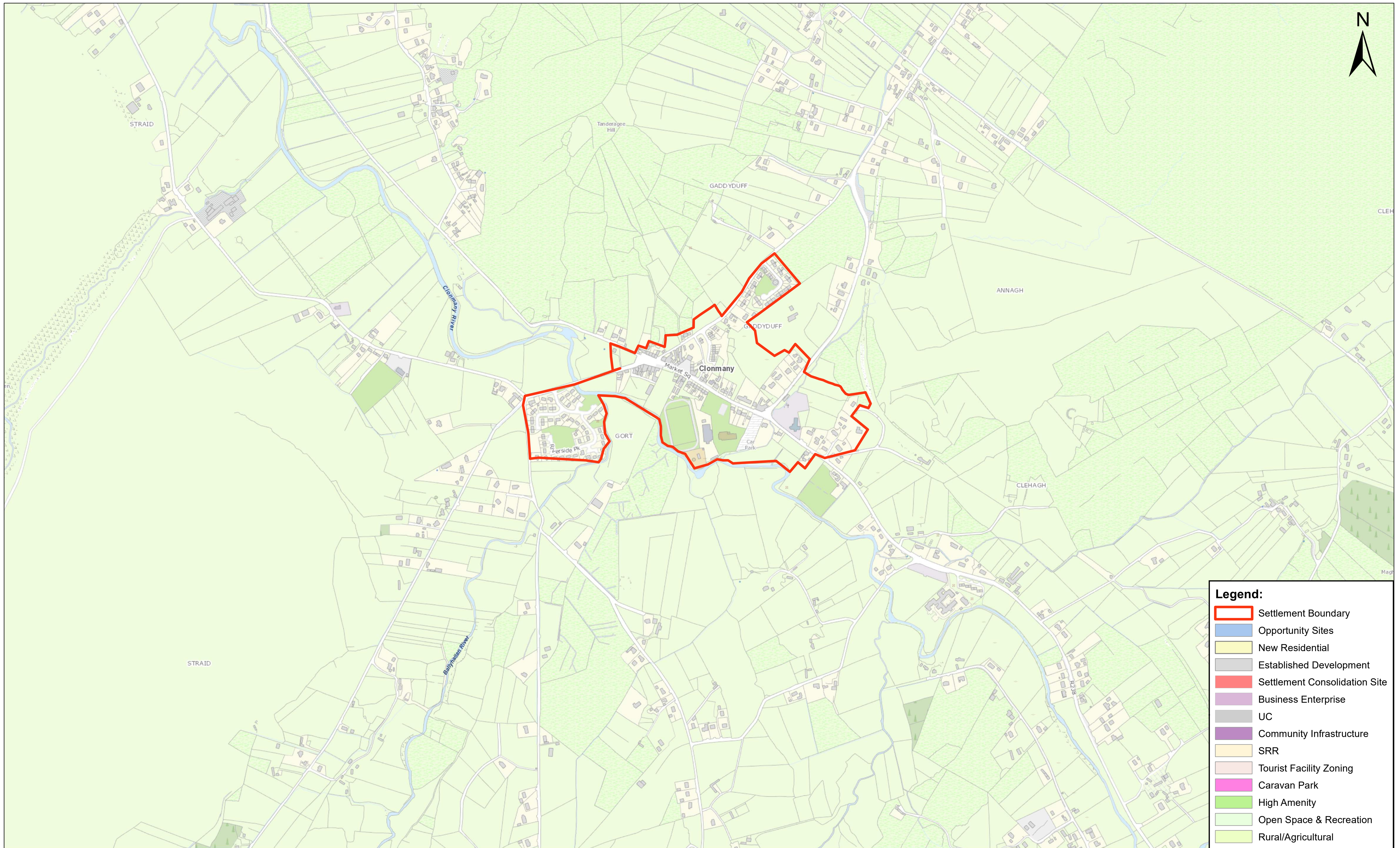
No.	Revision	Date	By	Chk'g	App'd
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CILL CHARTHAIGH SHEET 27 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40127
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



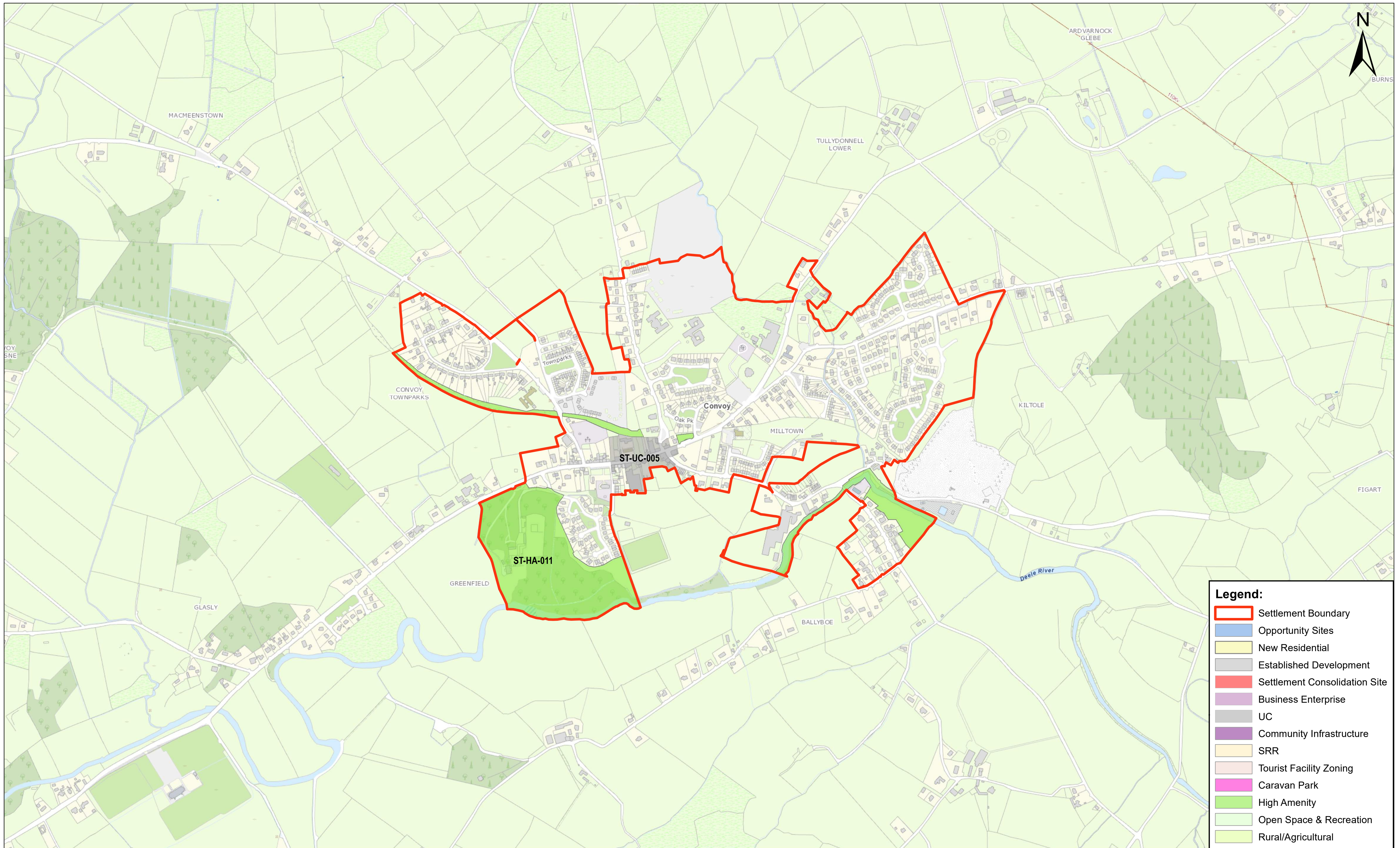
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CLONMANY SHEET 28 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40128
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



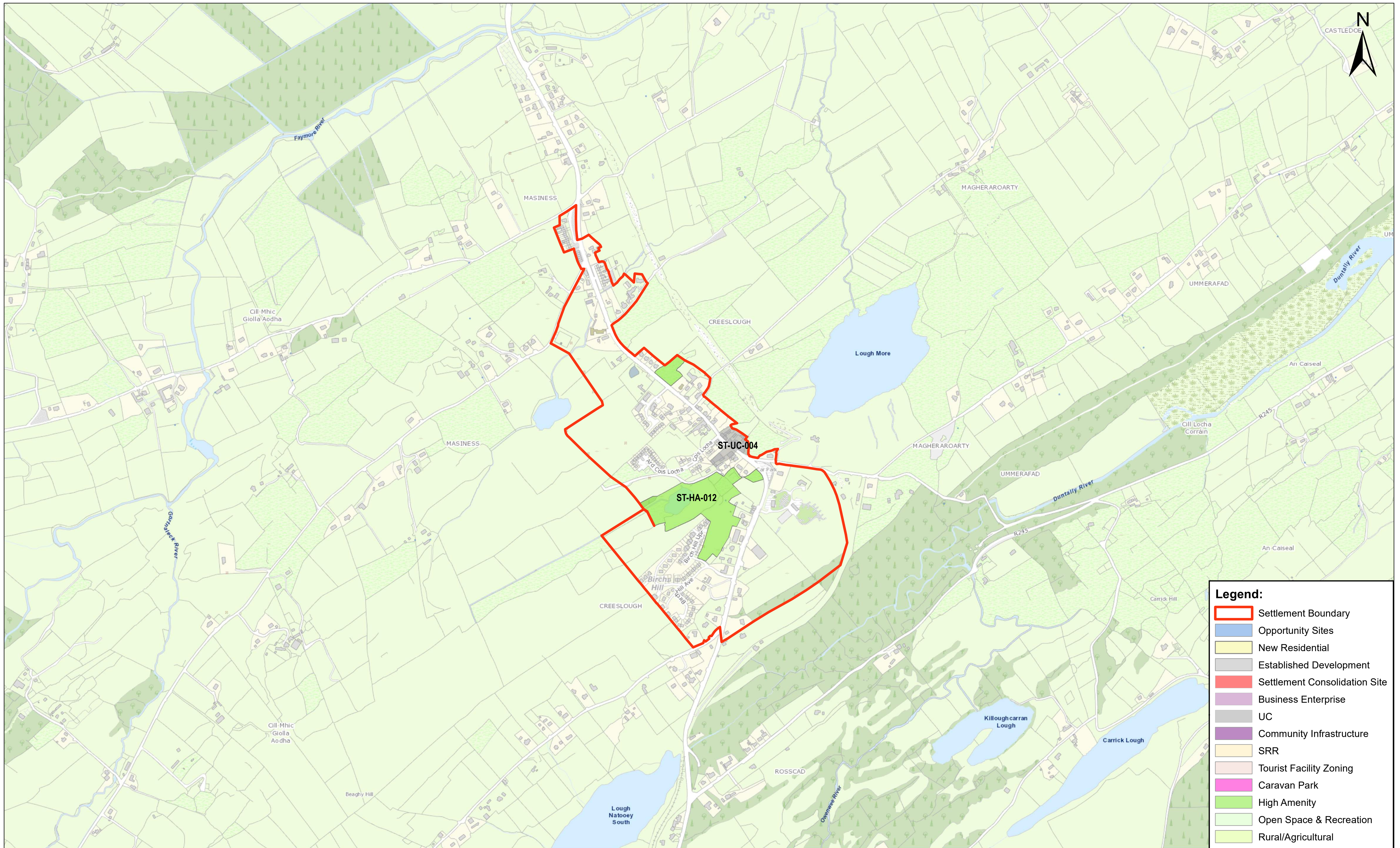
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P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CONVOY SHEET 29 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



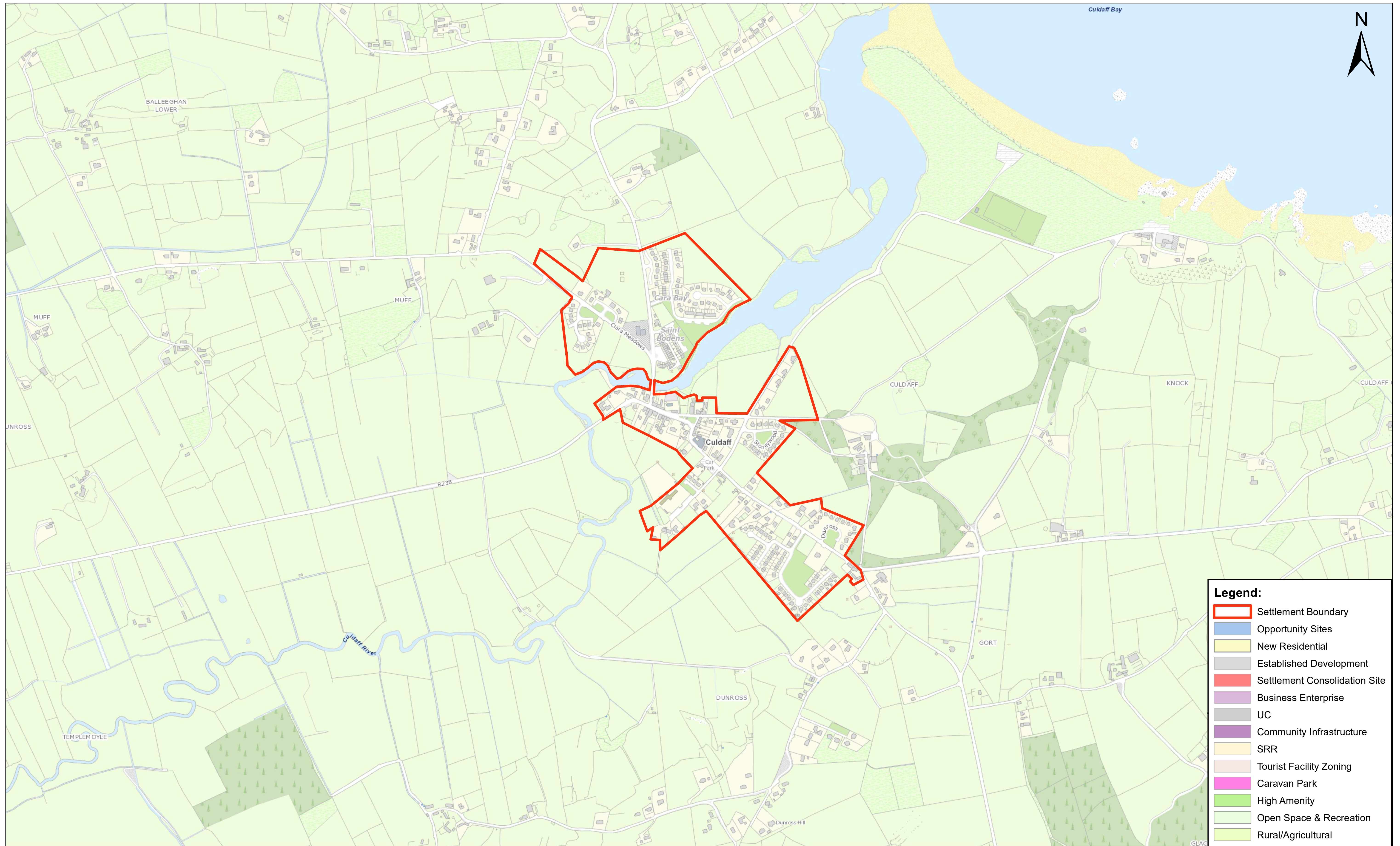
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CREESLOUGH SHEET 30 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
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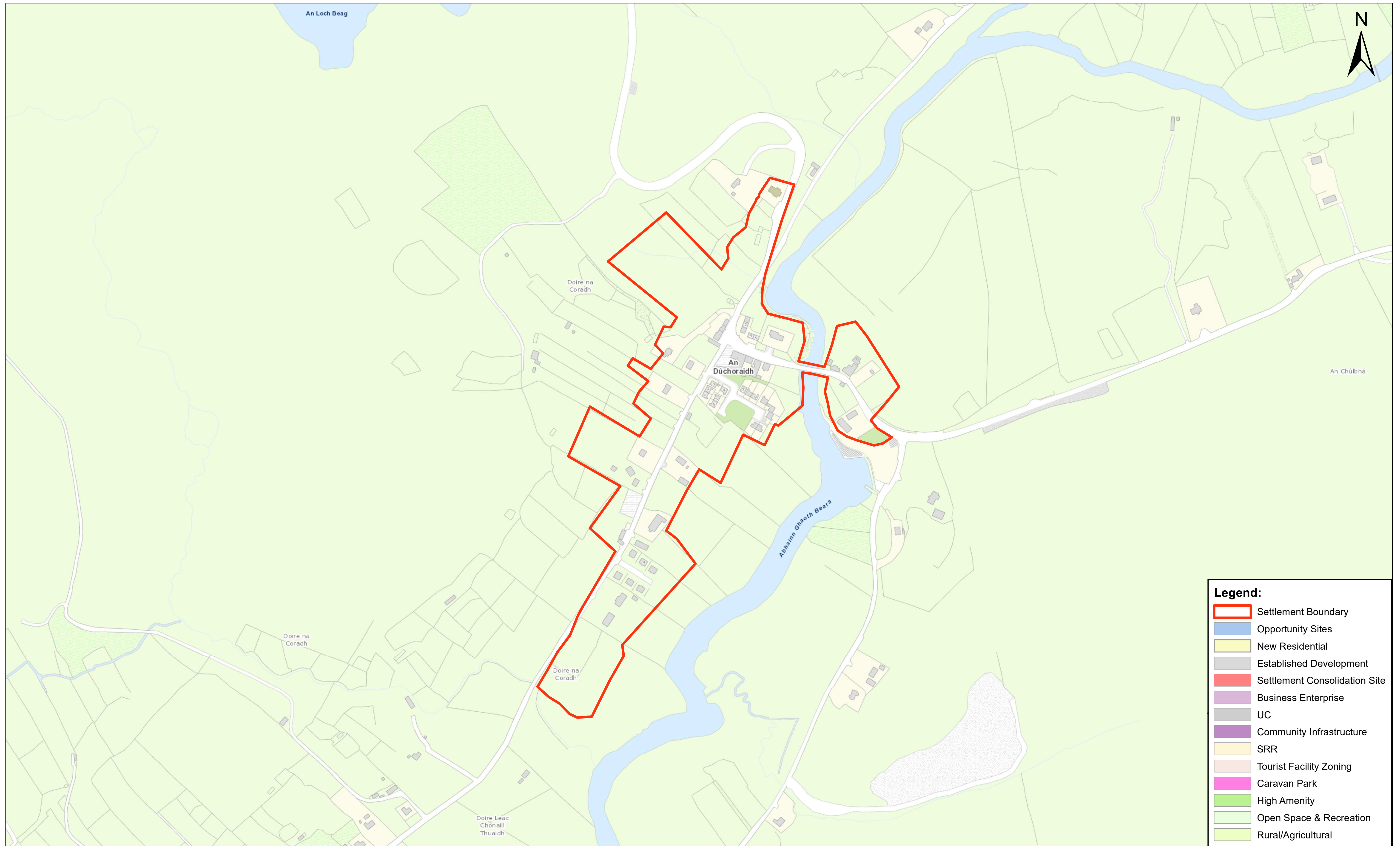
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P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST CULDAFF SHEET 31 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
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Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
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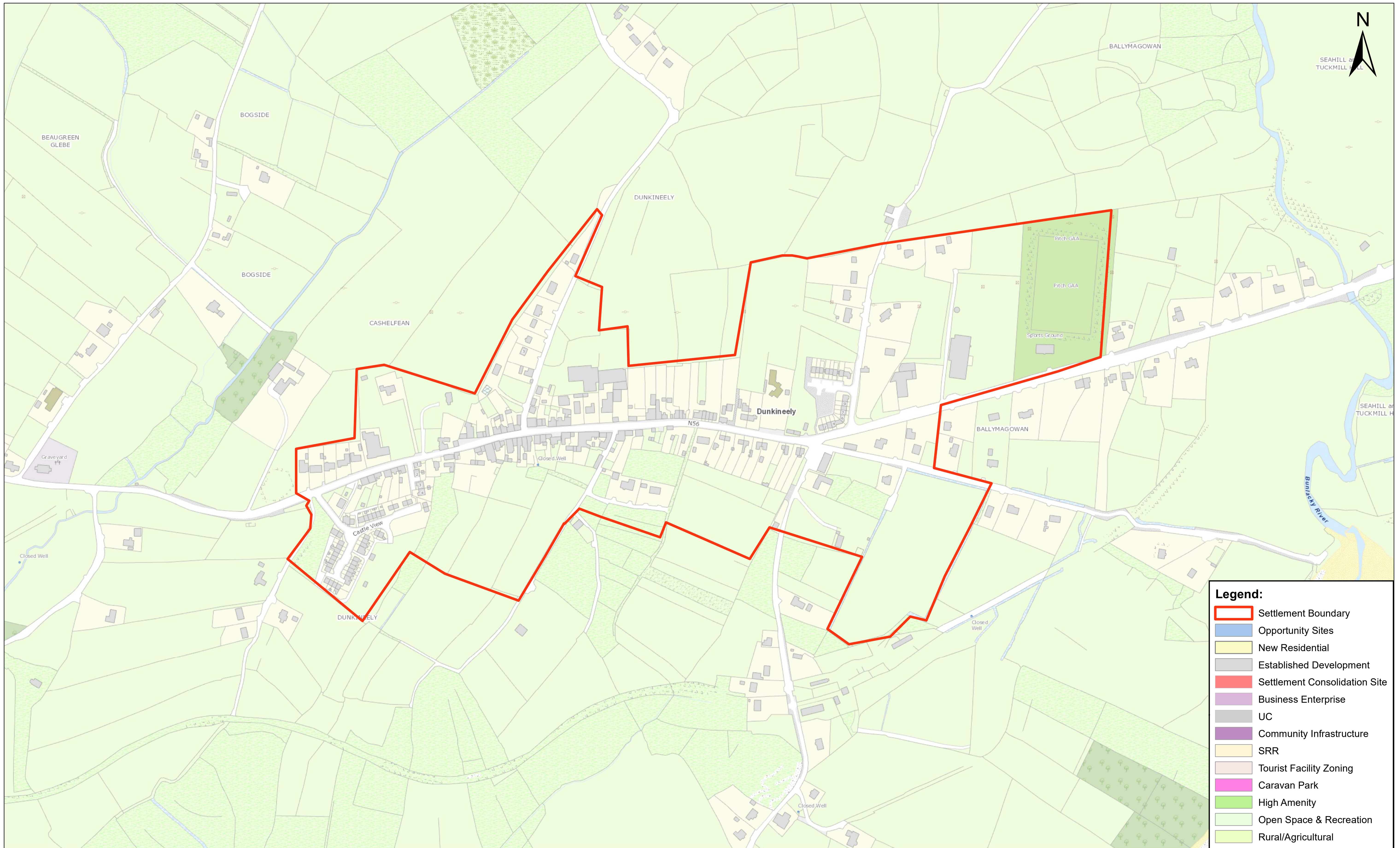
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST DOOCHARY SHEET 32 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40132
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
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- Community Infrastructure
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No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST DUNKINEELY SHEET 33 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40133
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
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No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST FAHAN SHEET 34 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40134
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



Comhairle Contae Dhún na nGall
Donegal County Council

No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR

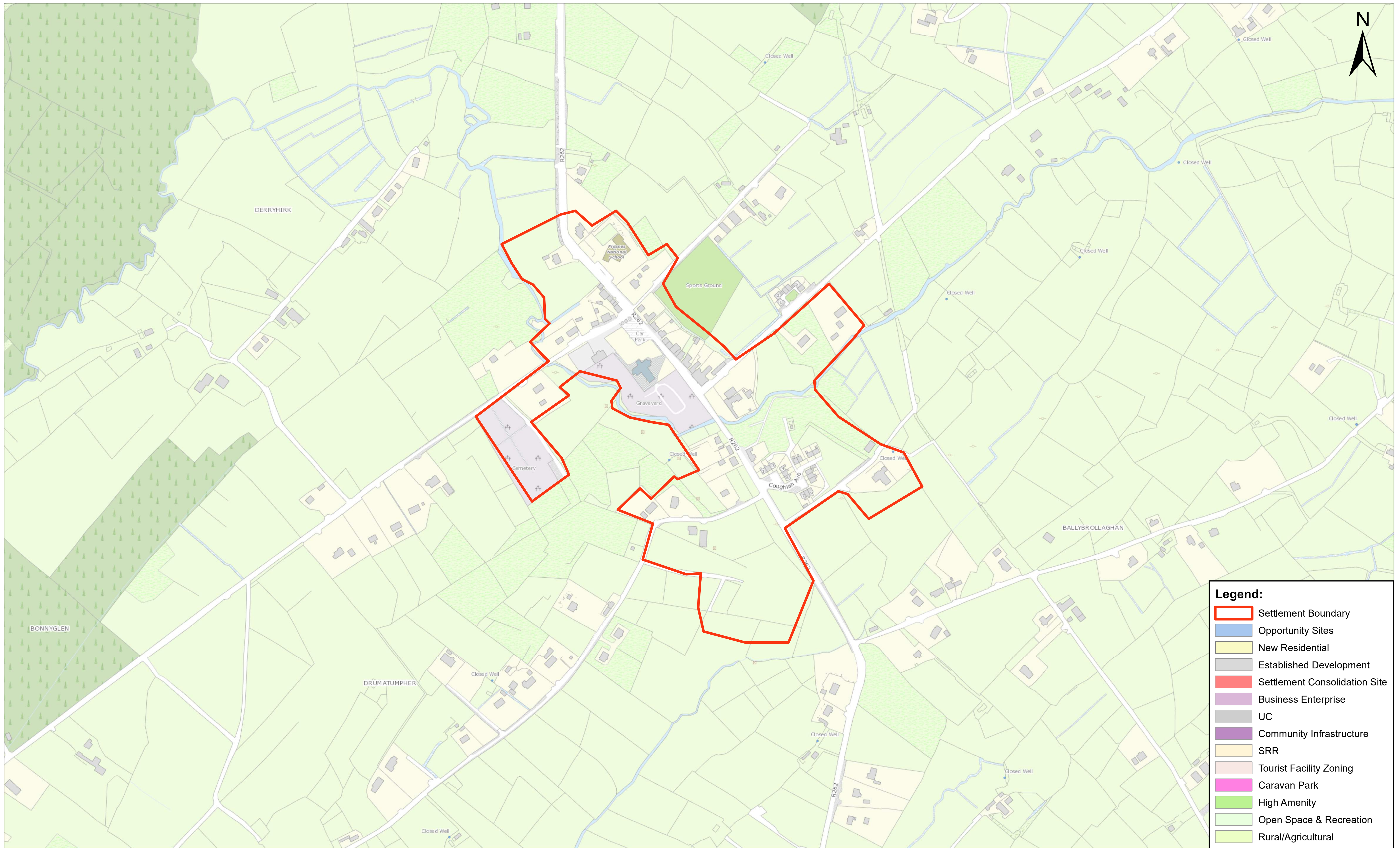


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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST FINTOWN SHEET 35 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40135
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



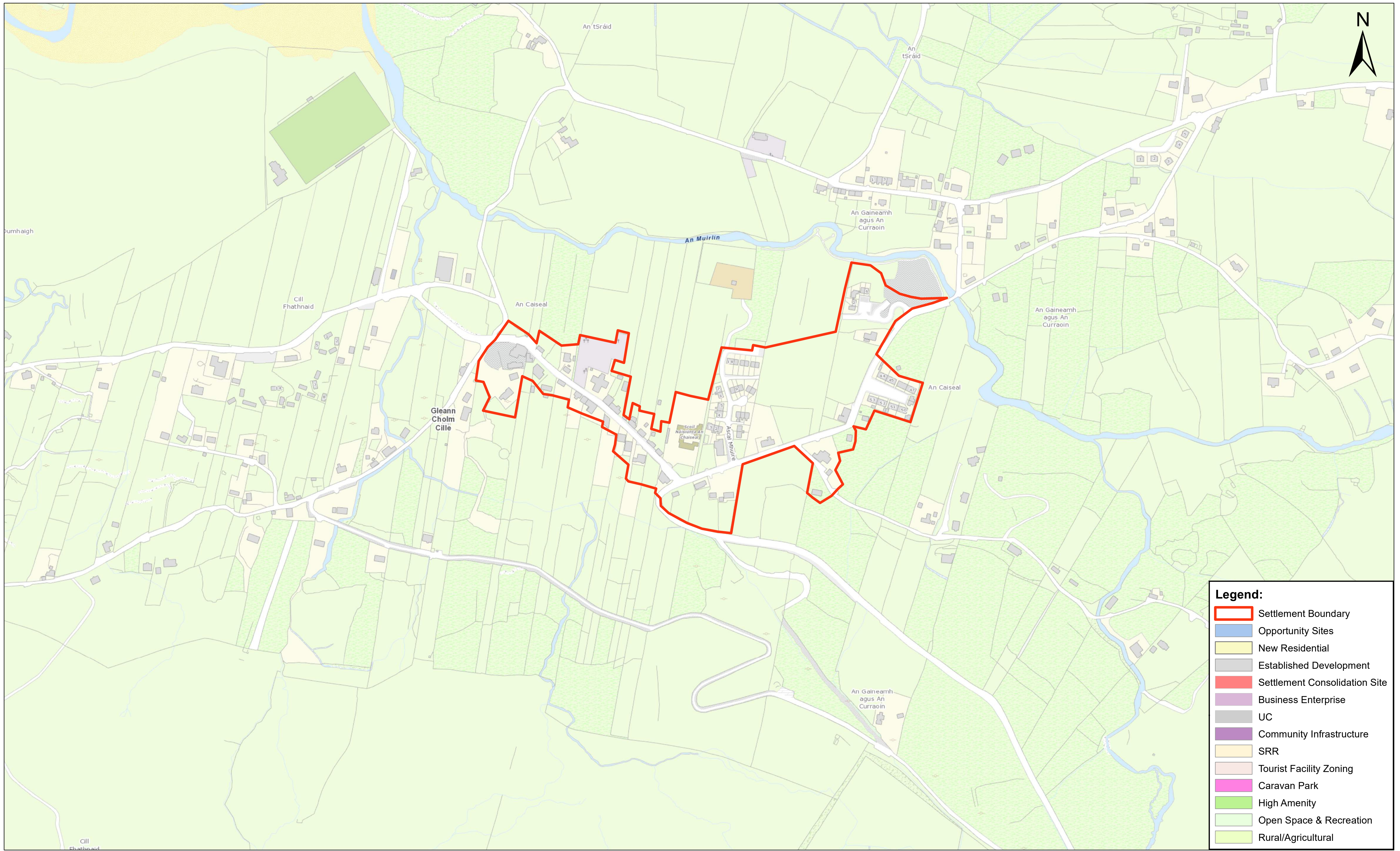
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST FROSSES SHEET 36 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40136
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



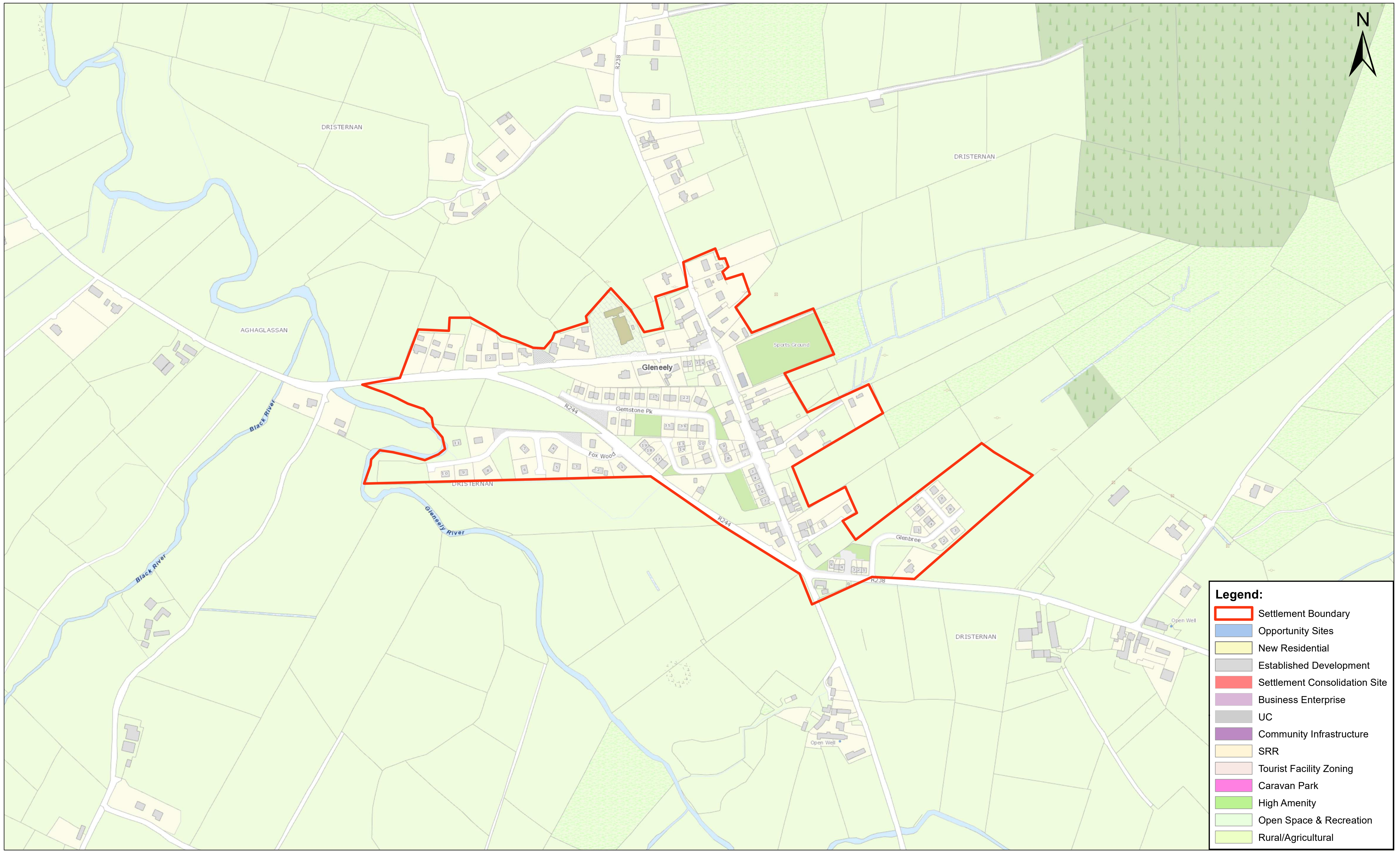
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST GLENAN CHOLM CILLE SHEET 37 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40137
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



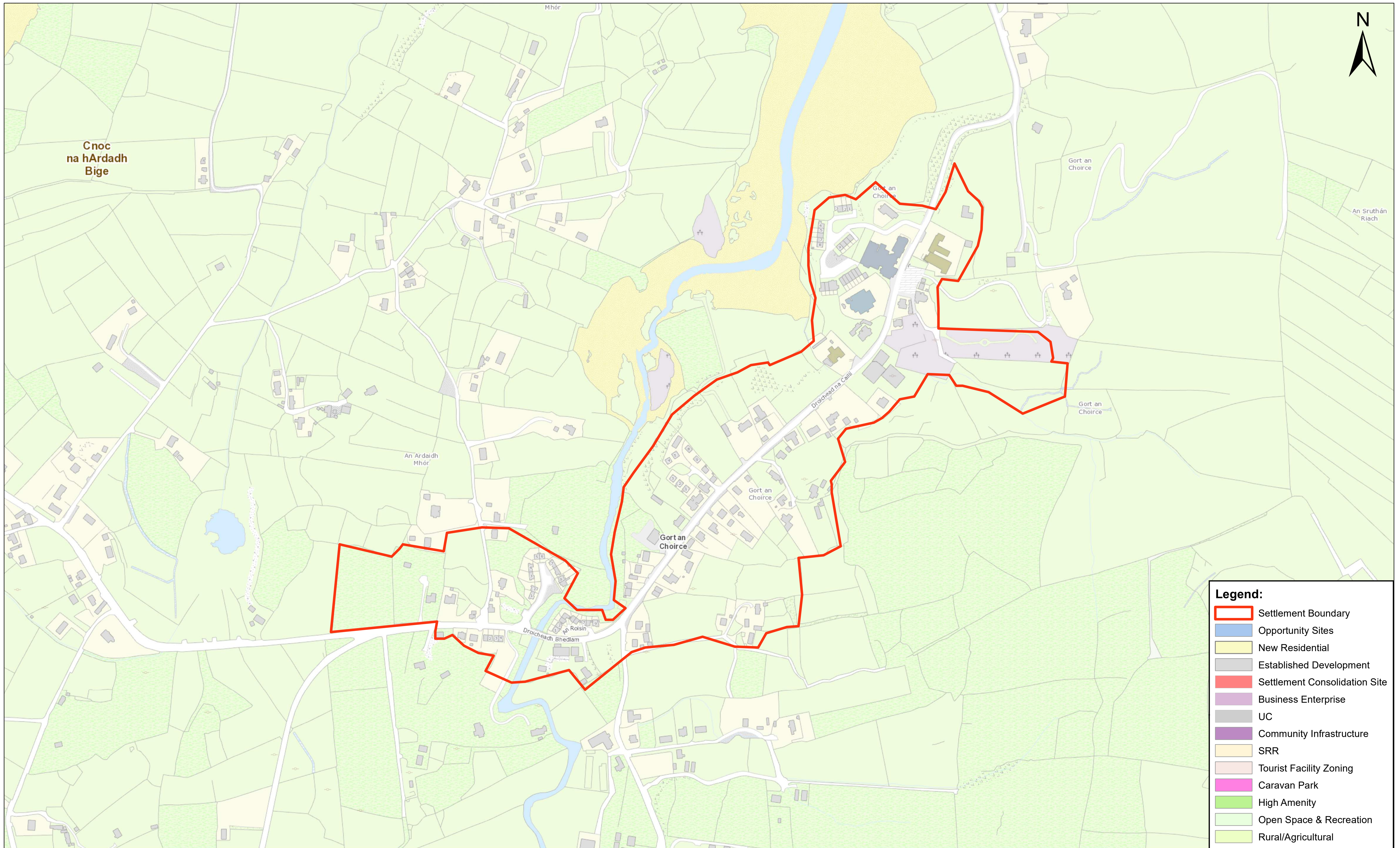
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST GLENEELY SHEET 38 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40138
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



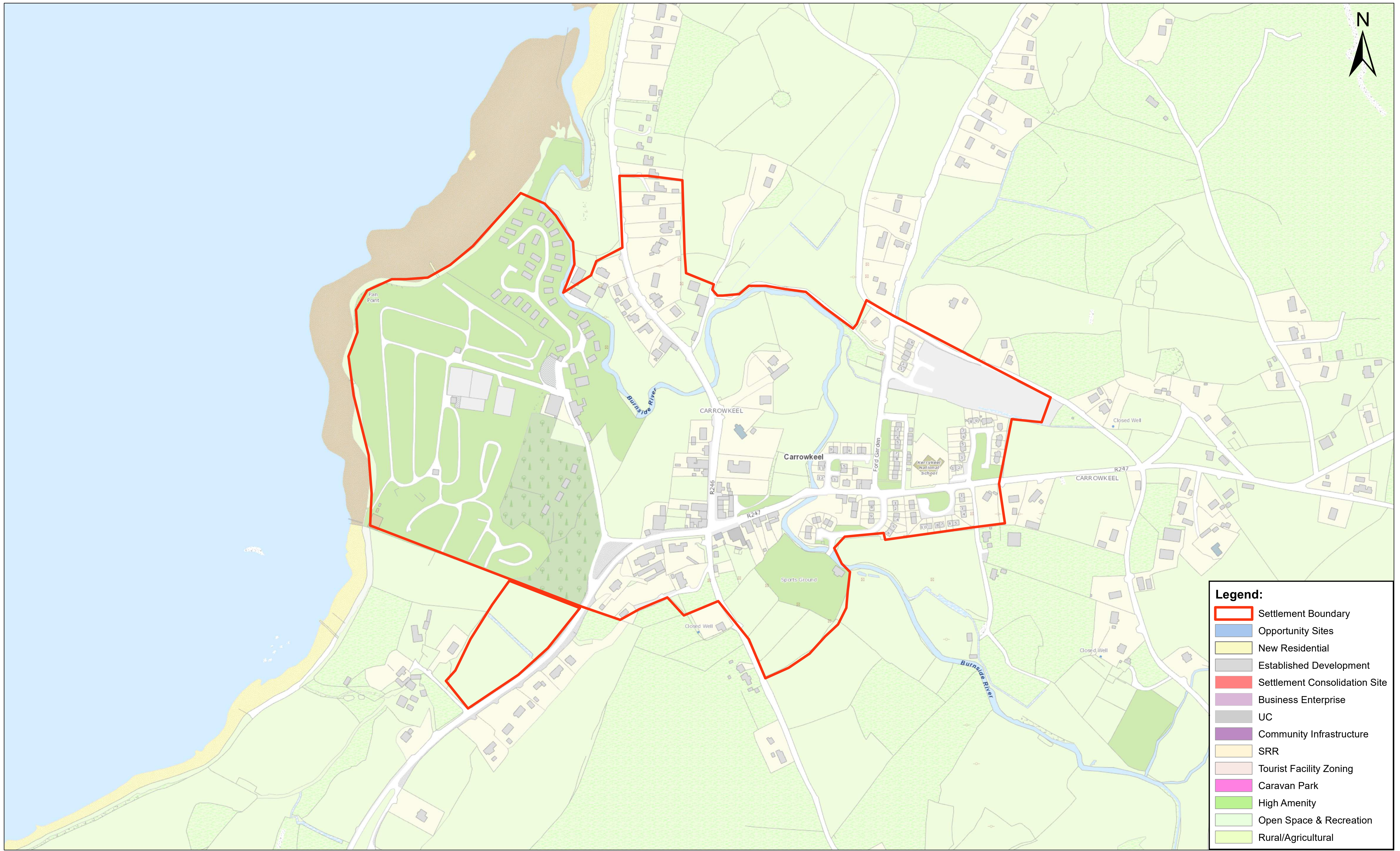
No.	Revision	Date	By	Chk'd	App'd
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST GORT AN CHOIRCE SHEET 39 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40139
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



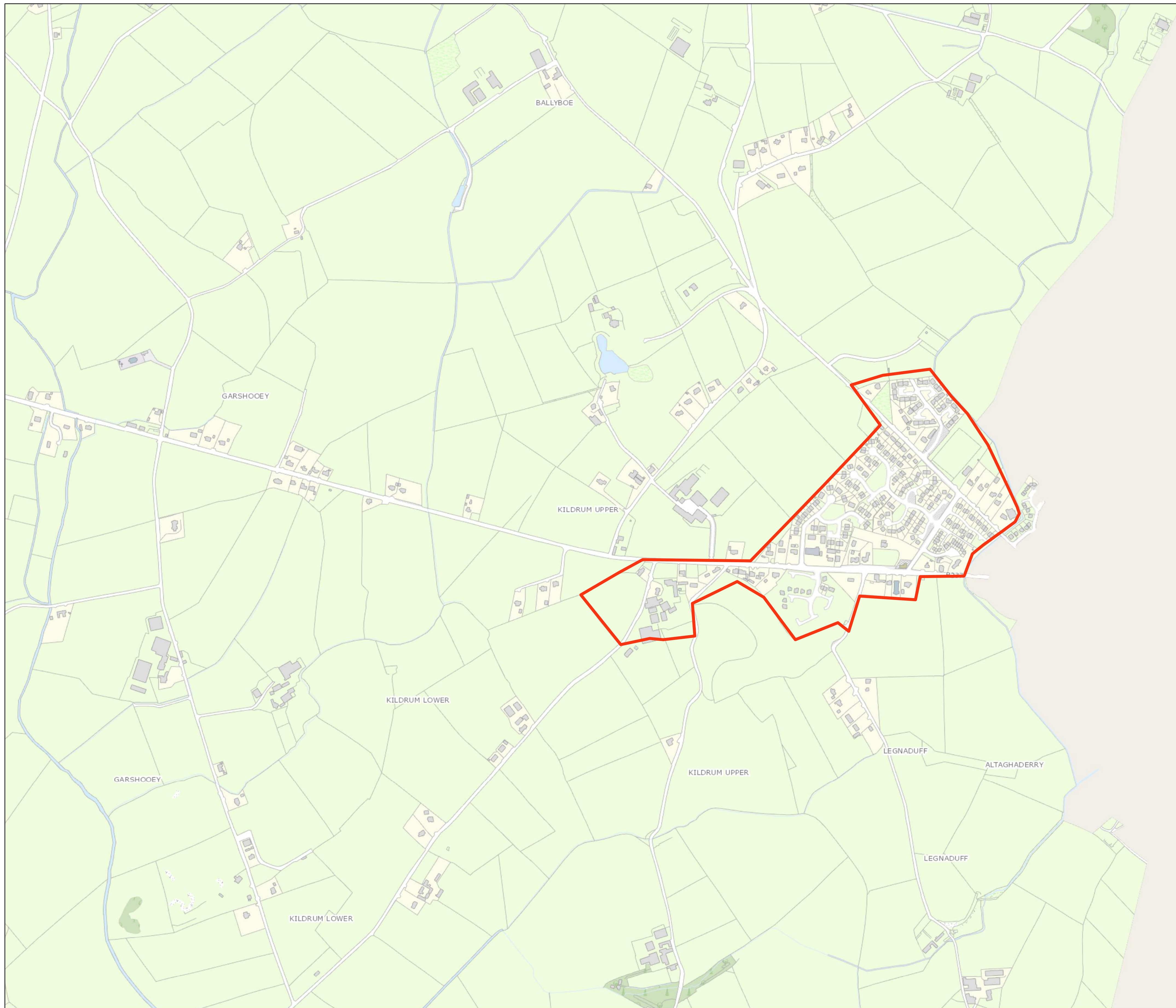
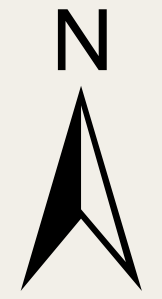
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST KERRYKEEL SHEET 40 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40140
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
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- Business Enterprise
- UC
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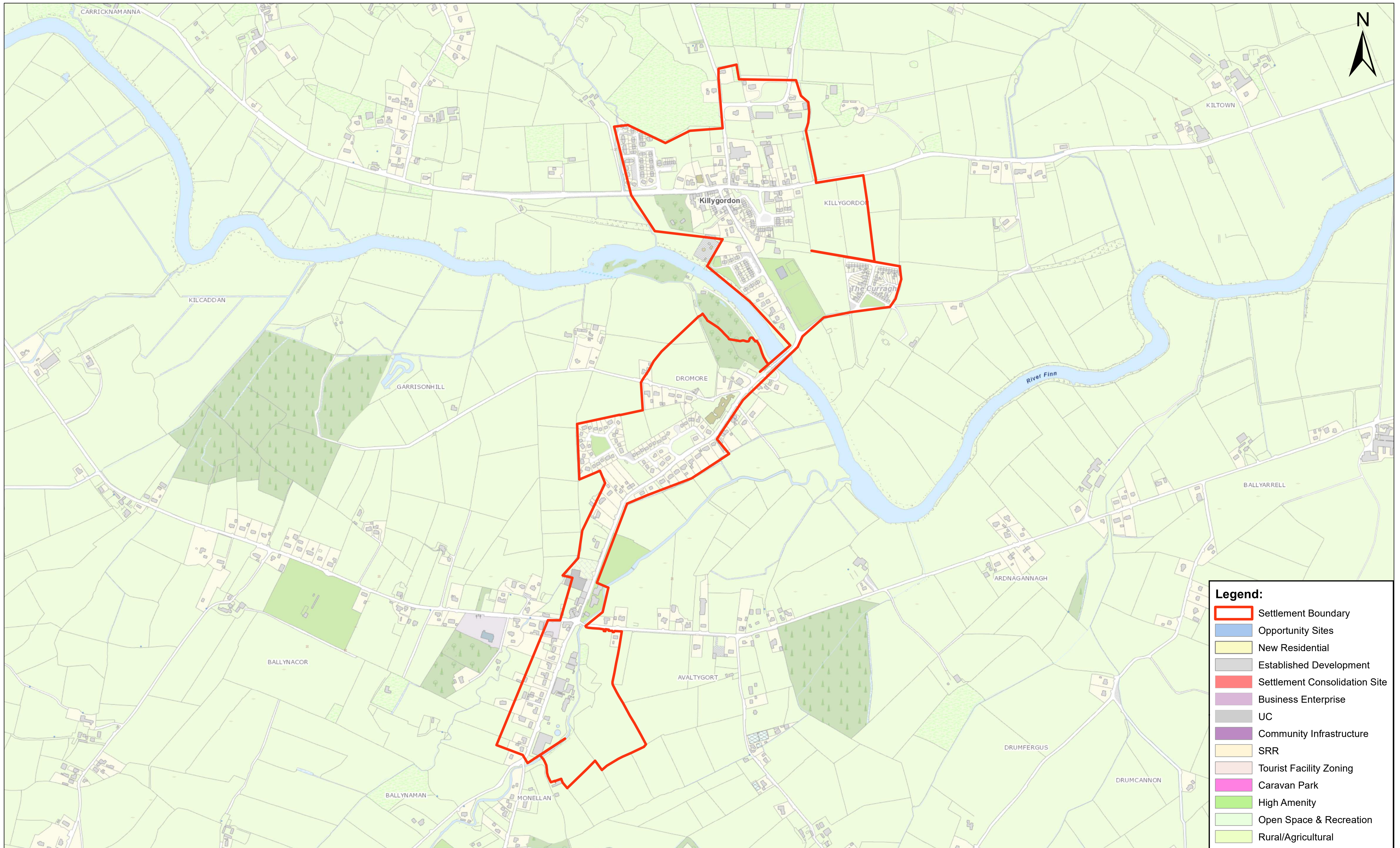
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST KILLEA SHEET 41 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40141
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



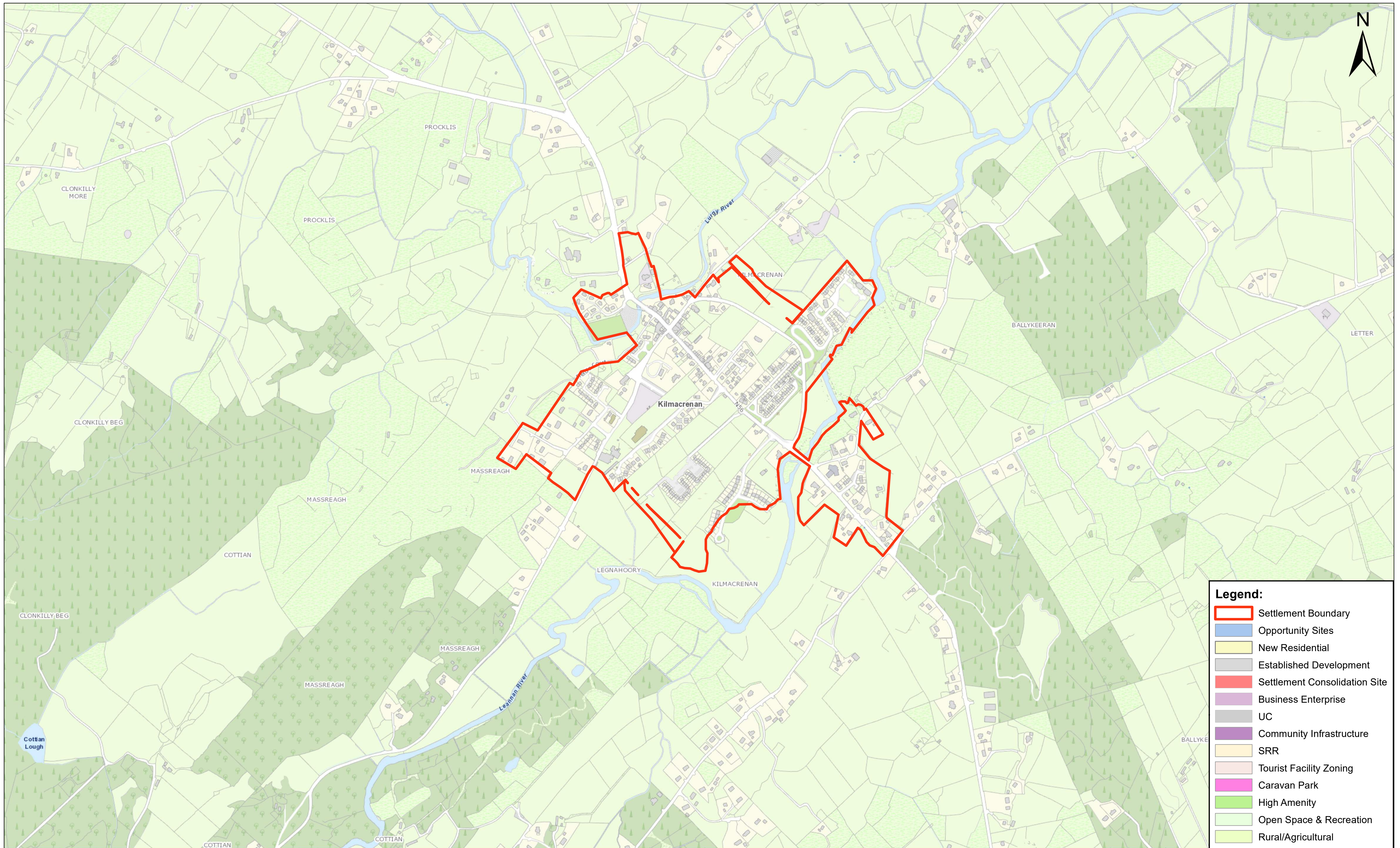
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST KILLYGORDON SHEET 42 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EW	SW_AE	DR	EN	40142
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



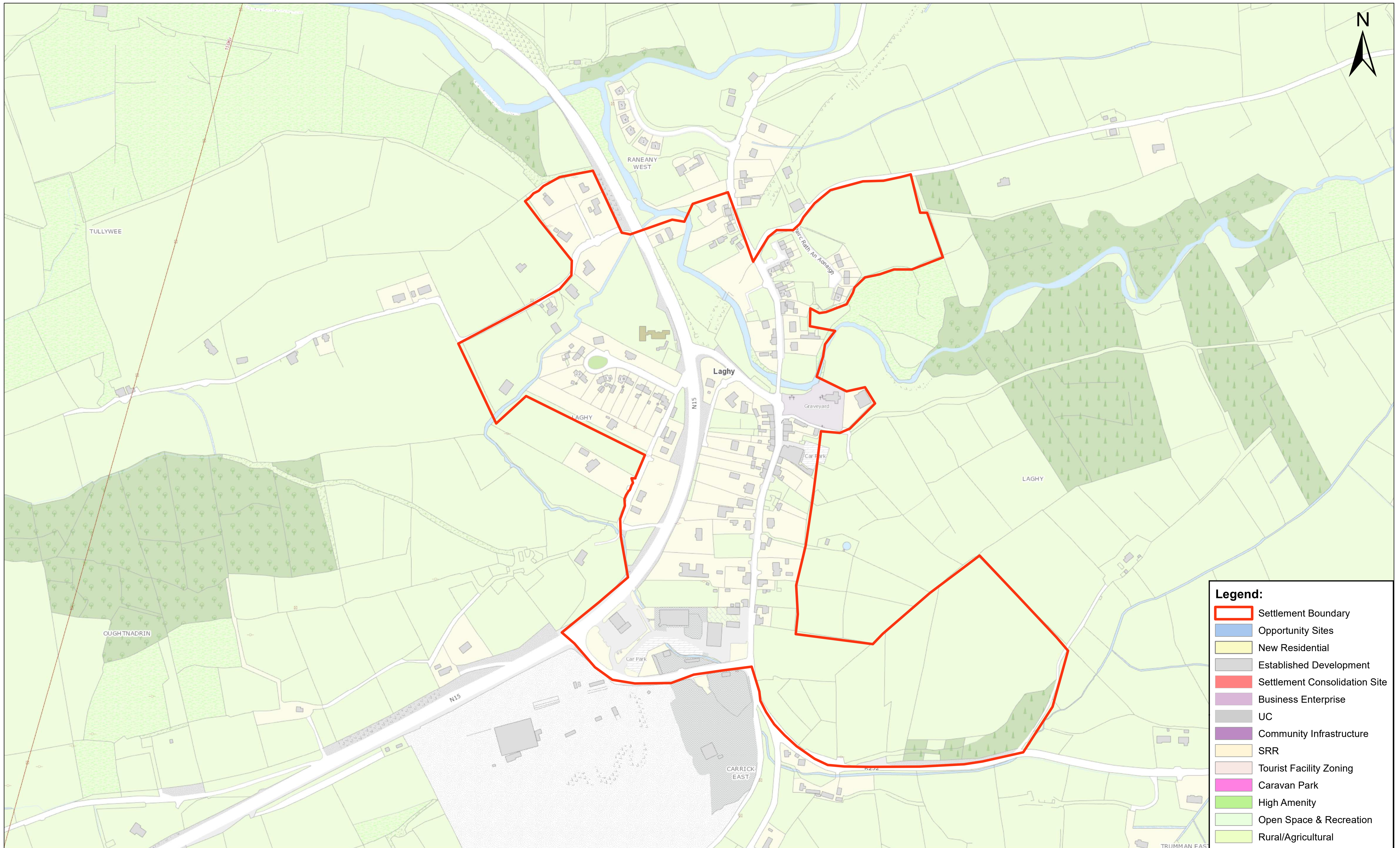
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST KILMACRENNAN SHEET 43 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40143
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



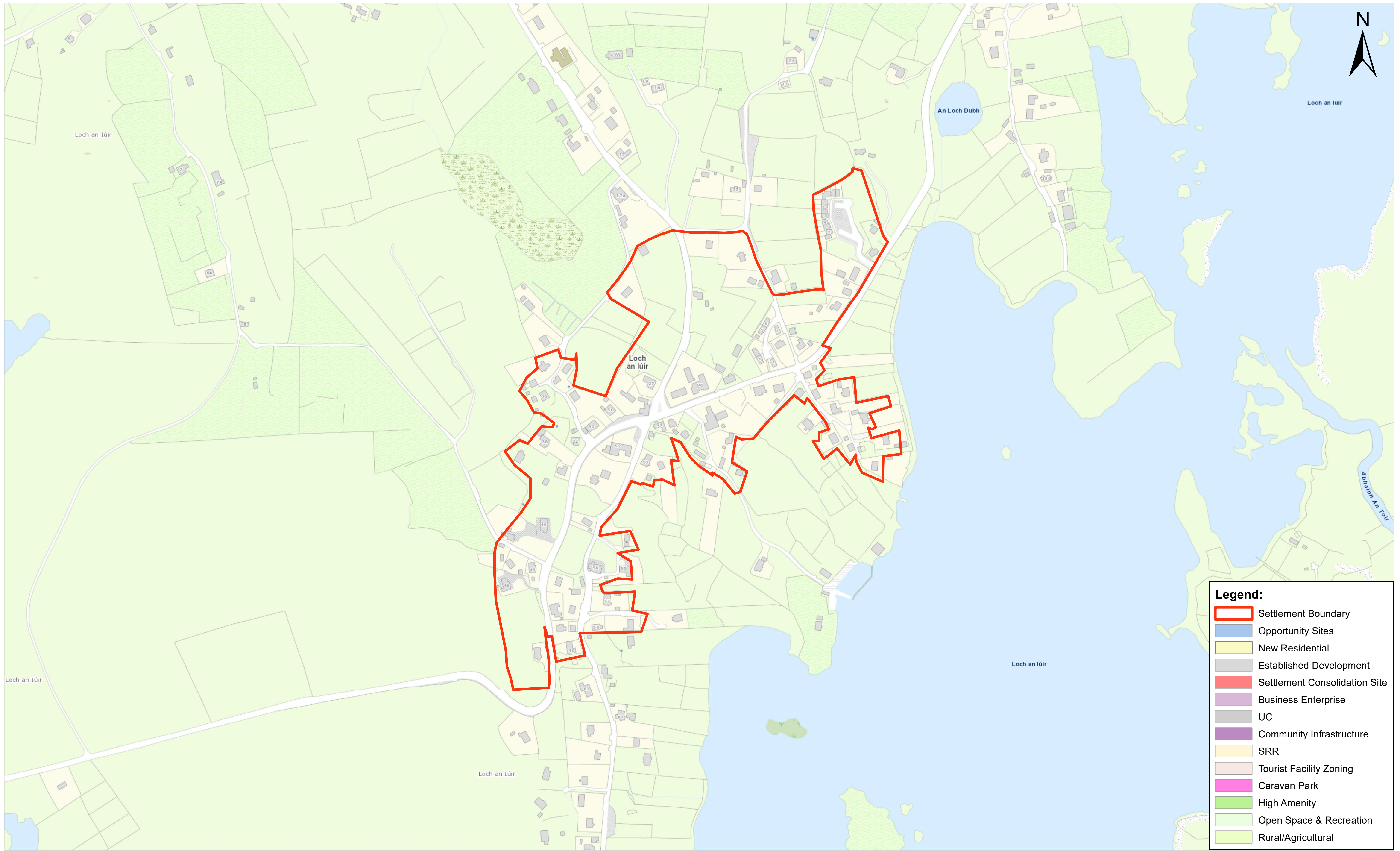
No.	Revision	Date	By	Chk'g	App'd
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P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST LAGHY SHEET 44 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40144
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



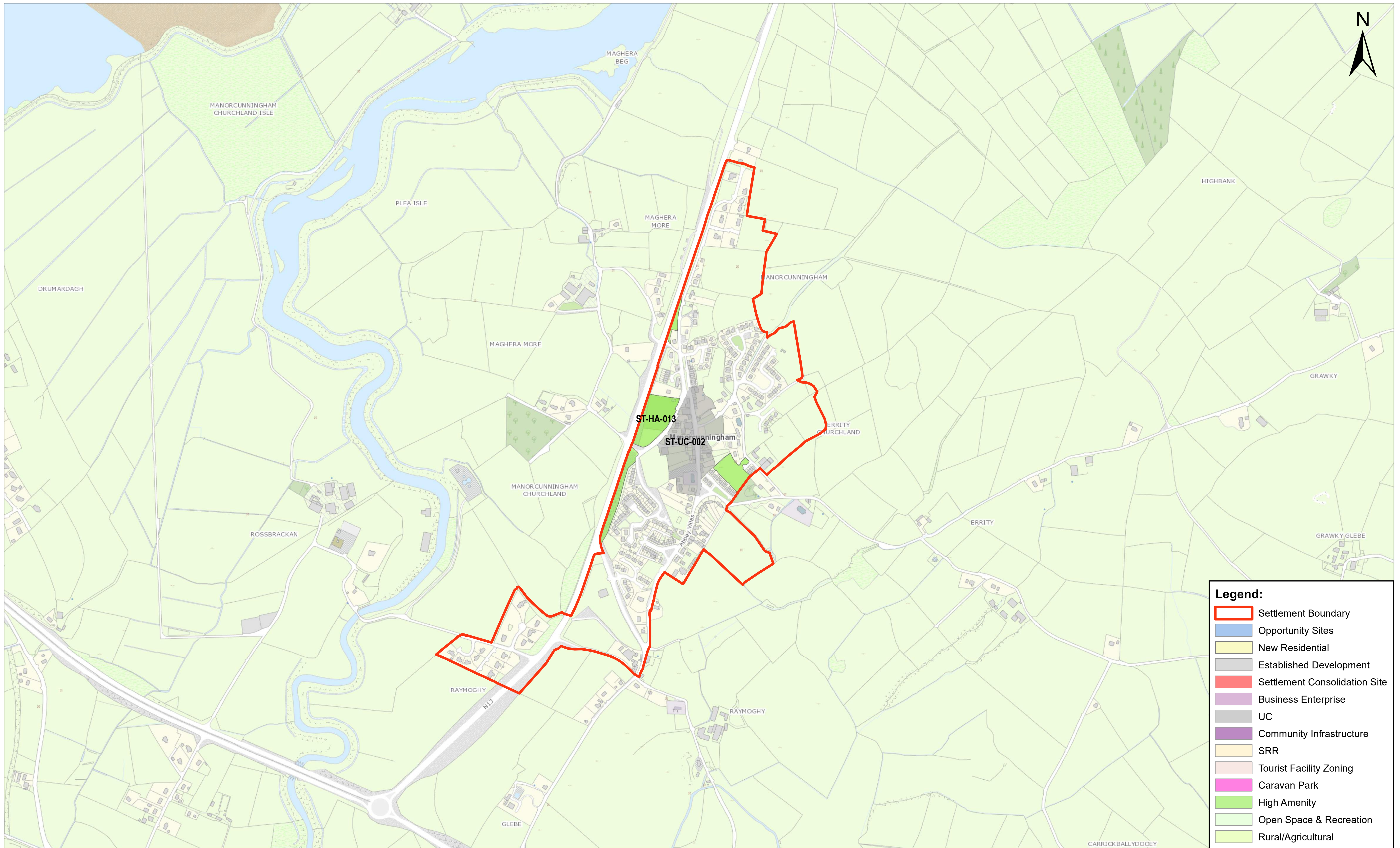
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST LOUGHANURE SHEET 45 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40145
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



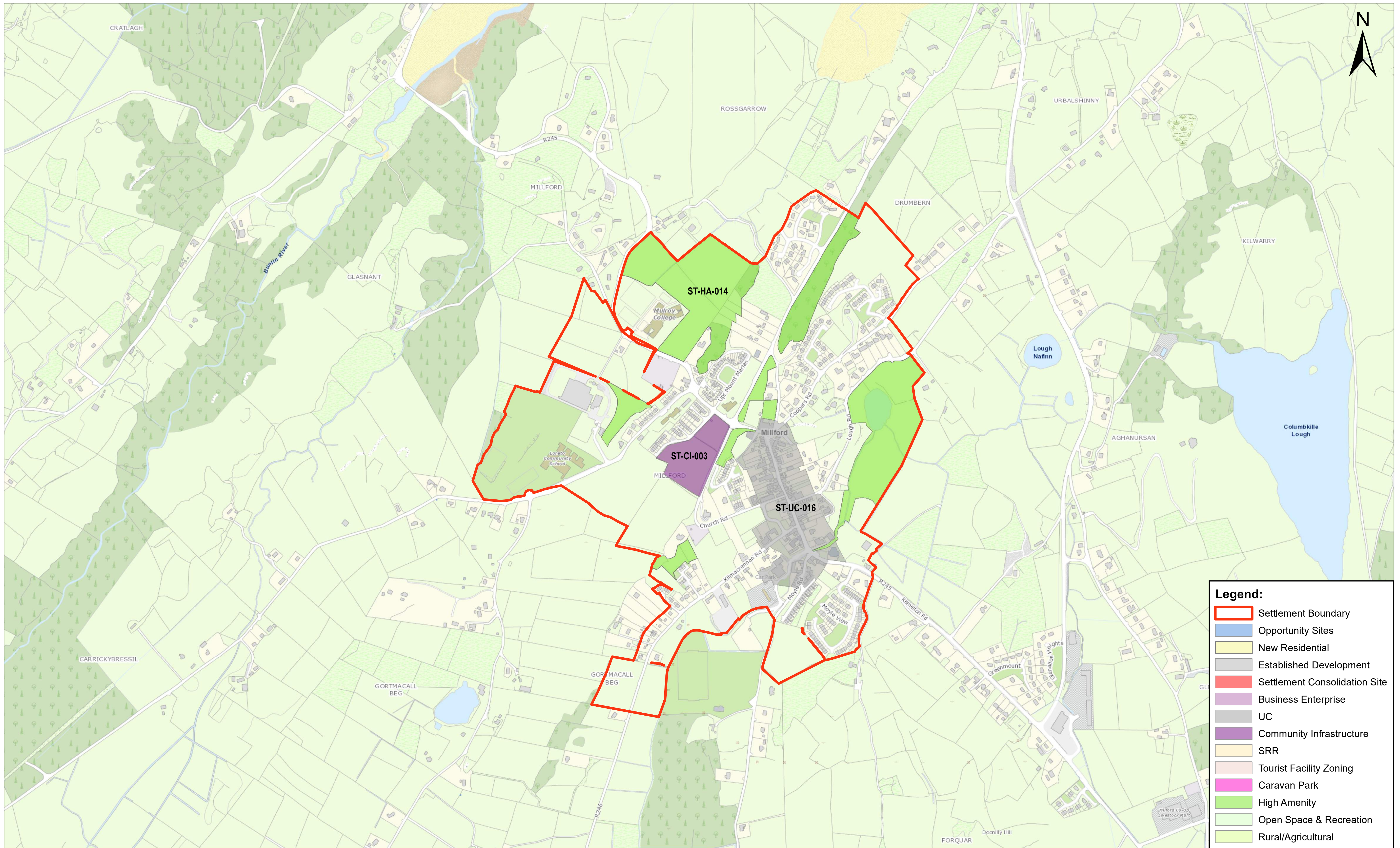
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST MANORCUNNINGHAM SHEET 46 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40146
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



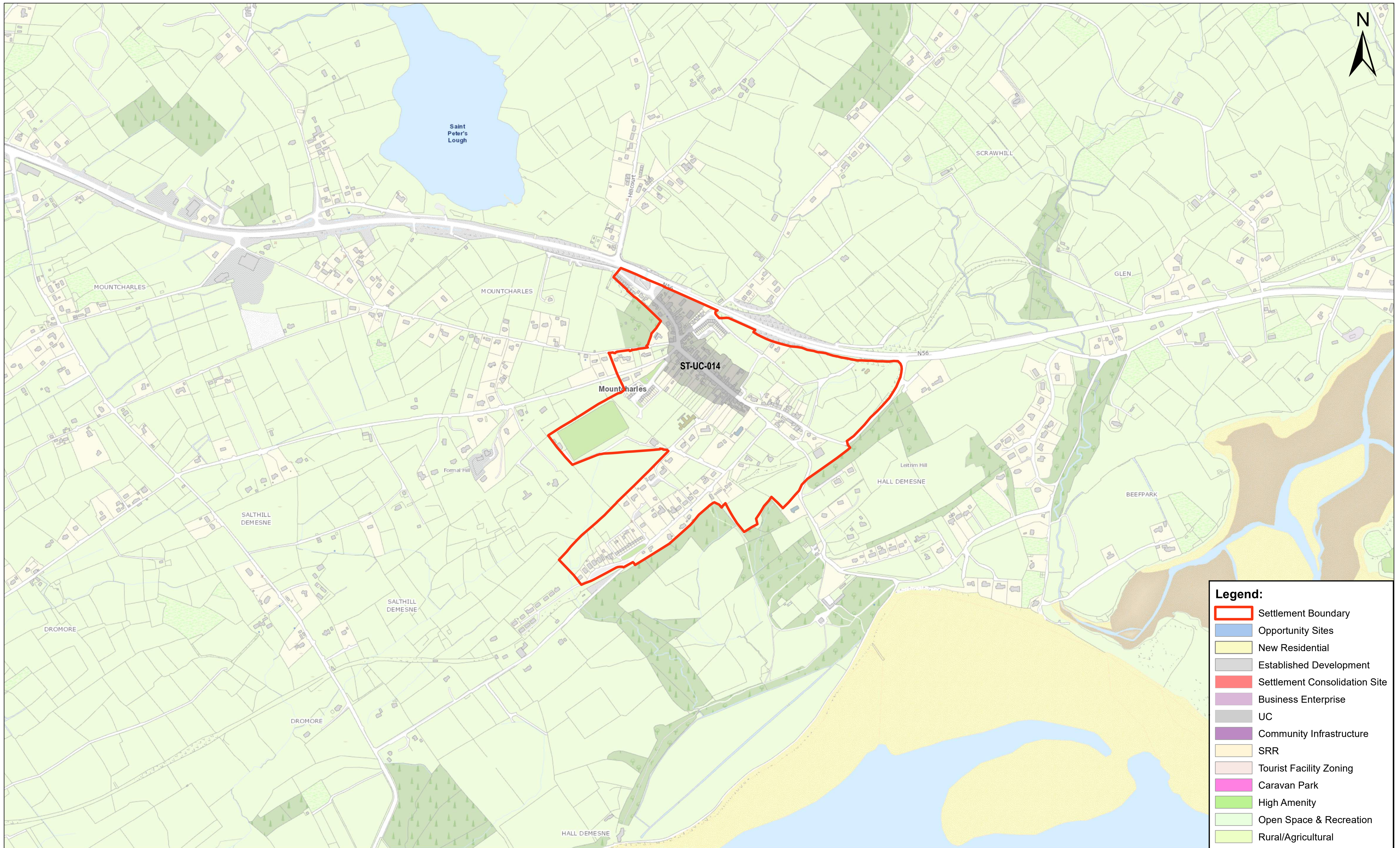
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST MILFORD SHEET 47 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40147
Scale (A1)	1:5,000	Date	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST MOUNTCHARLES SHEET 48 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40148
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



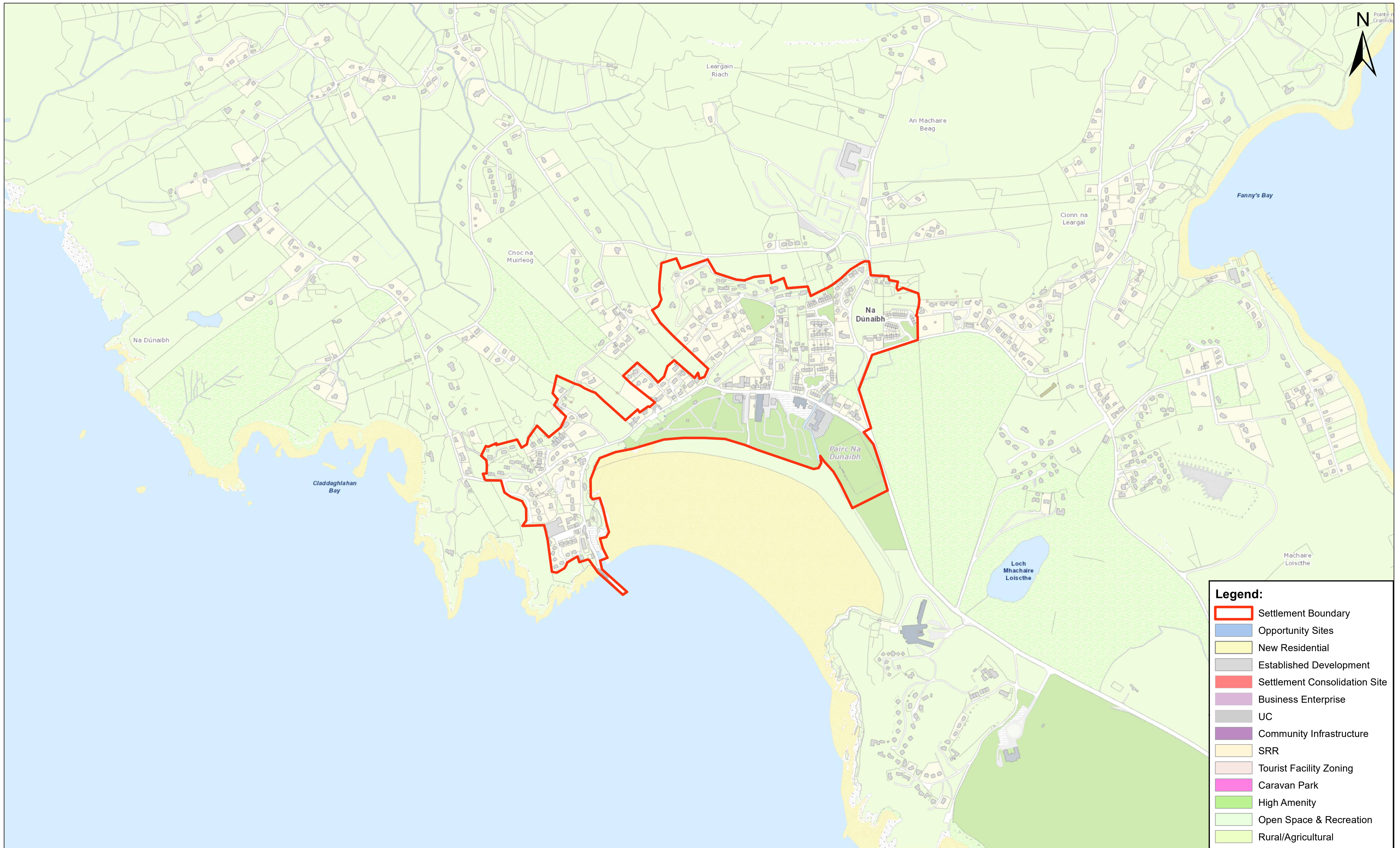
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST MUFF SHEET 49 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40149
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
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- Open Space & Recreation
- Rural/Agricultural



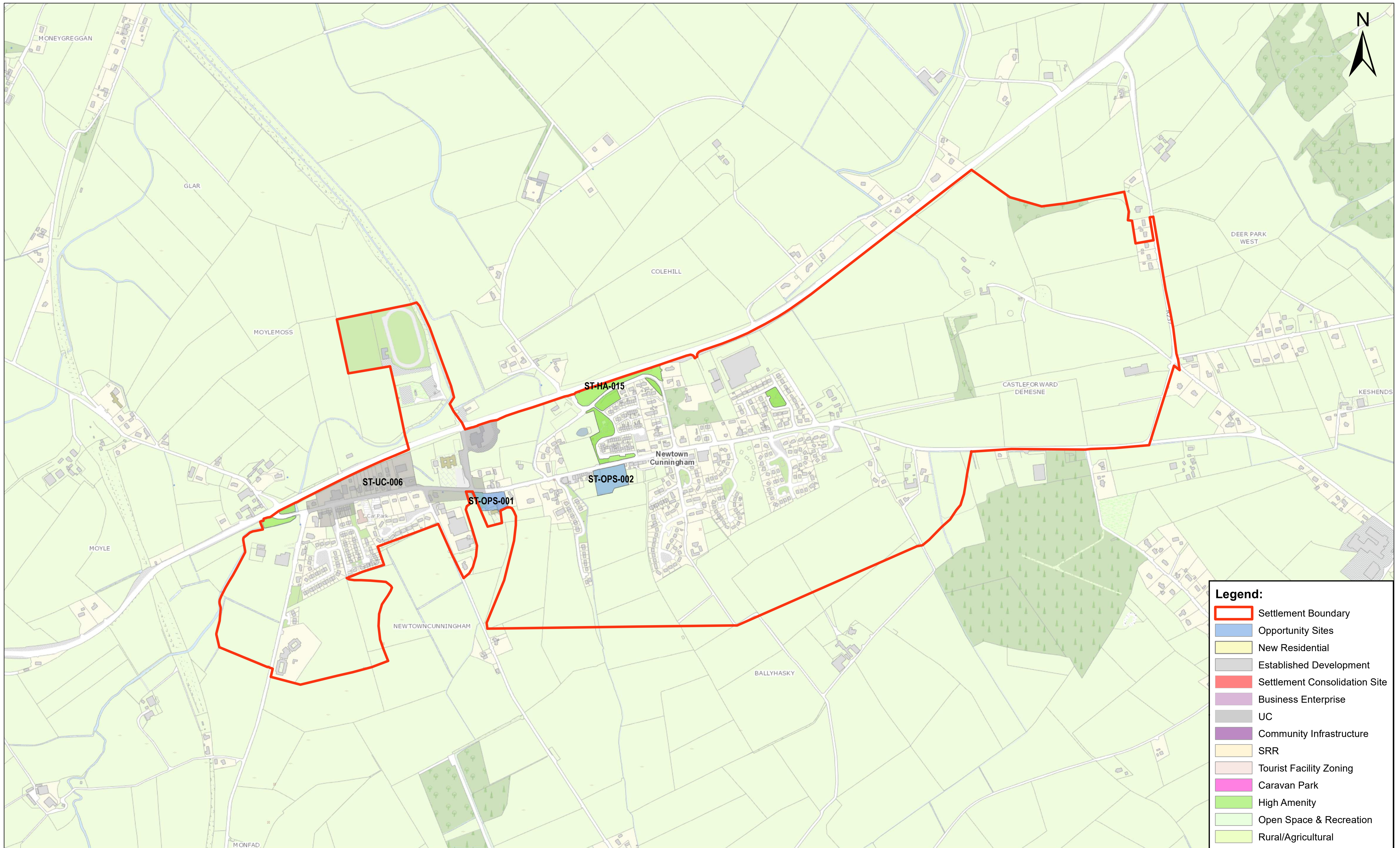
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST NA DÚNAIBH SHEET 50 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40150
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



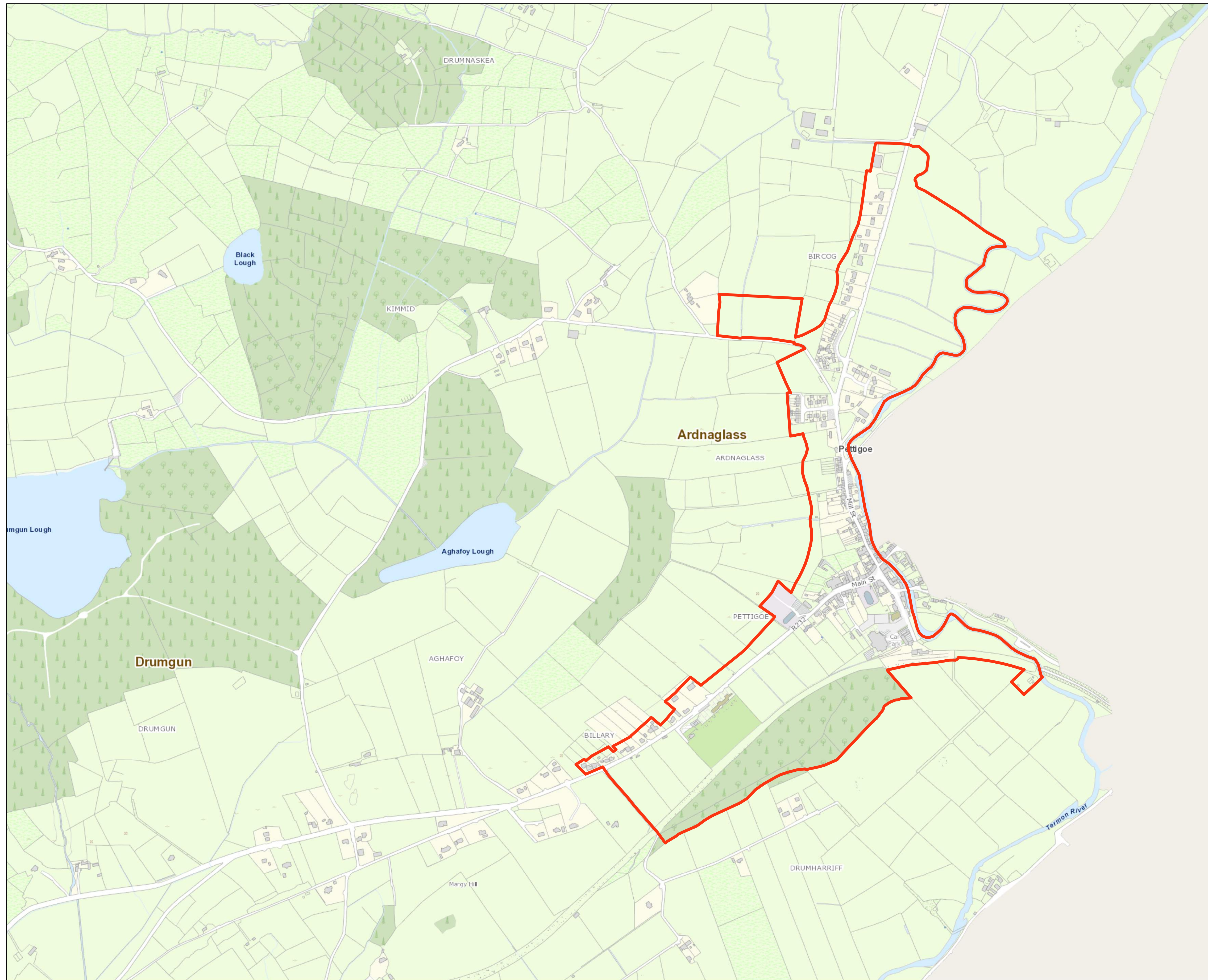
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Drawn	Designed	Checked	Approved	Suitability Code - Description
LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT			
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT			
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST NEWTOWNCUNNINGHAM SHEET 51 OF 59			
Drawing Number	Project	Originator	Volume	Location
	DSFRA	ROD	EWE	SW_AE
Scale (A1)	1:5,000	Date	April 2023	Job No: 22.153
				Rev: P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural

Northern Ireland



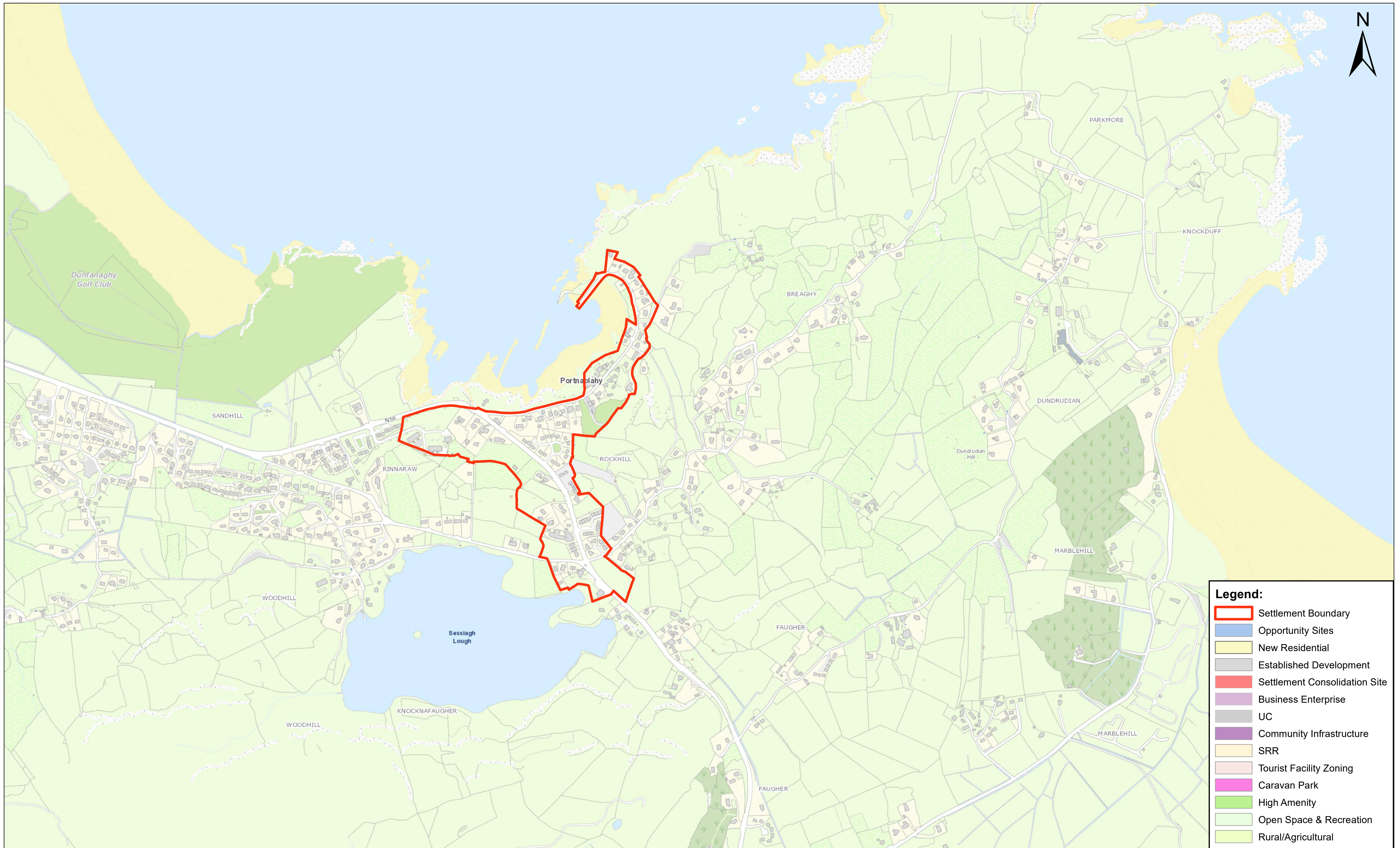
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST PETTIGOE SHEET 52 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40152
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



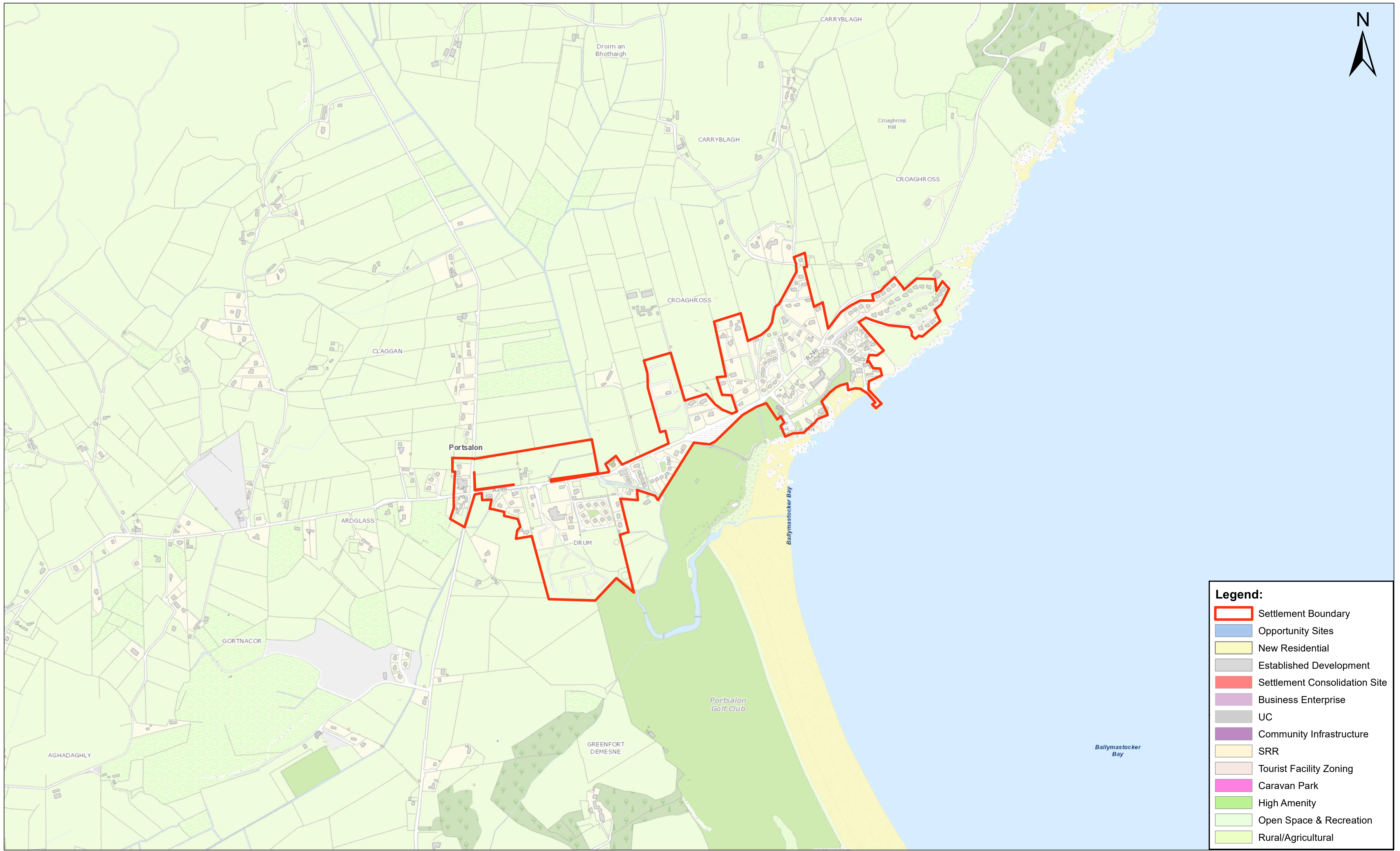
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
P2	Draft Flood Extent Mapping	20/04/2023	LA	WV	JPR
P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST PORTNABLAGH SHEET 53 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40153
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT				
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT				
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST PORTSALON SHEET 54 OF 59				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
	DSFRA	ROD	EWE	SW_AE	DR - EN - 40154
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153
				Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



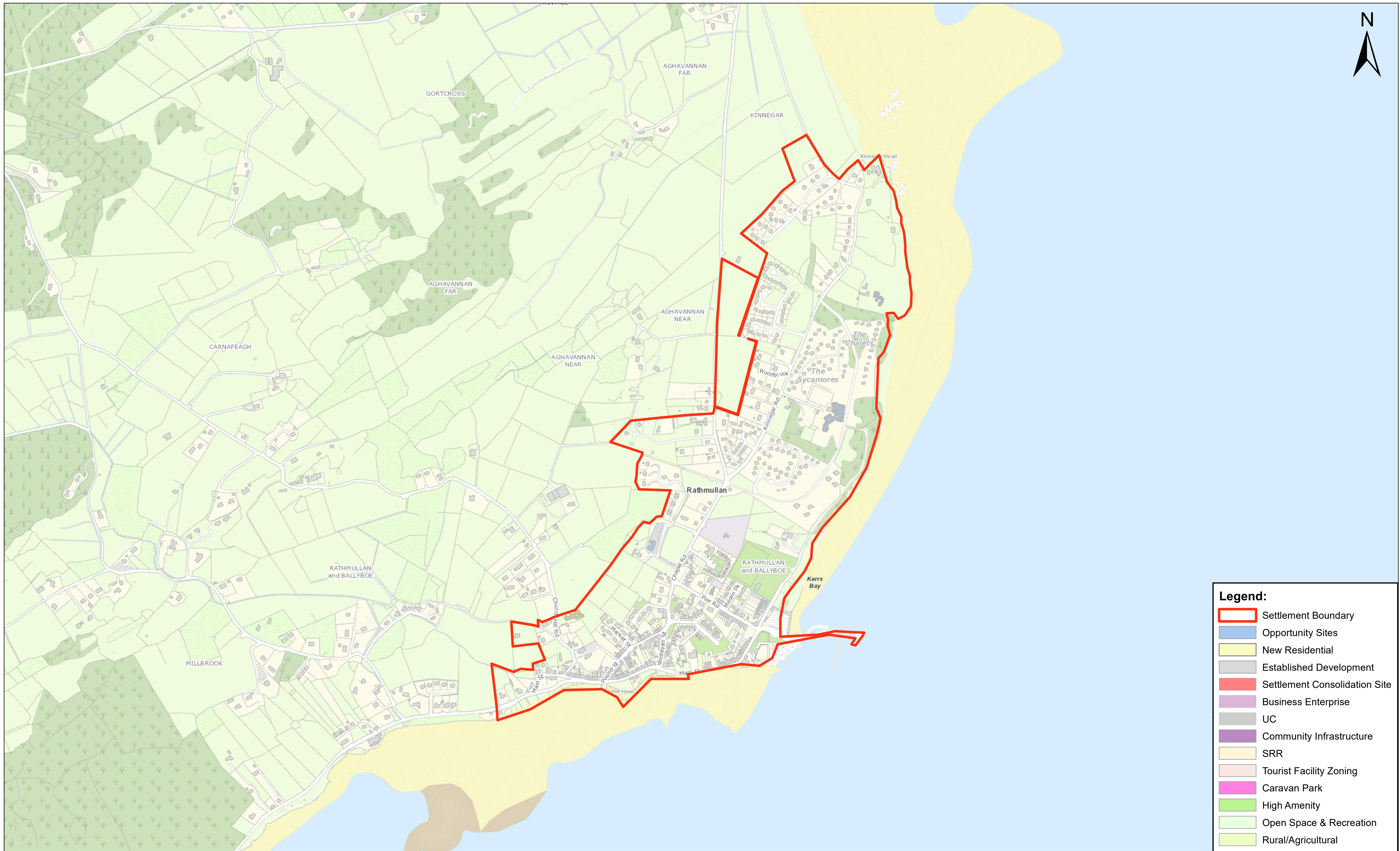
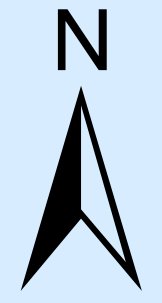
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST QUIGLEY'S POINT SHEET 55 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EW	SW_AE	DR	EN	40155
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST RATHMULLAN SHEET 56 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40156
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



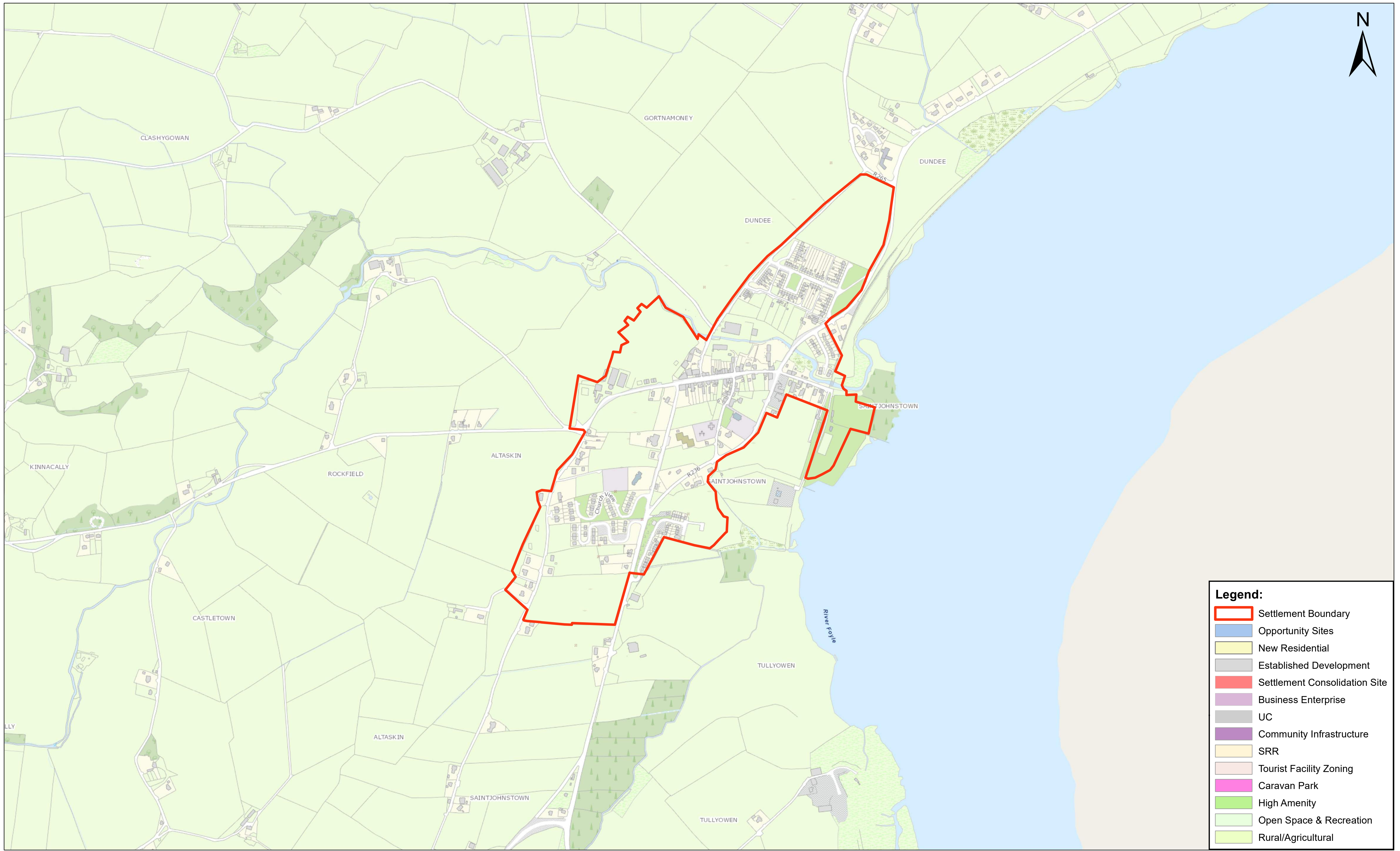
No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST ROSSNOWLAGH SHEET 57 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40157
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
- Caravan Park
- High Amenity
- Open Space & Recreation
- Rural/Agricultural



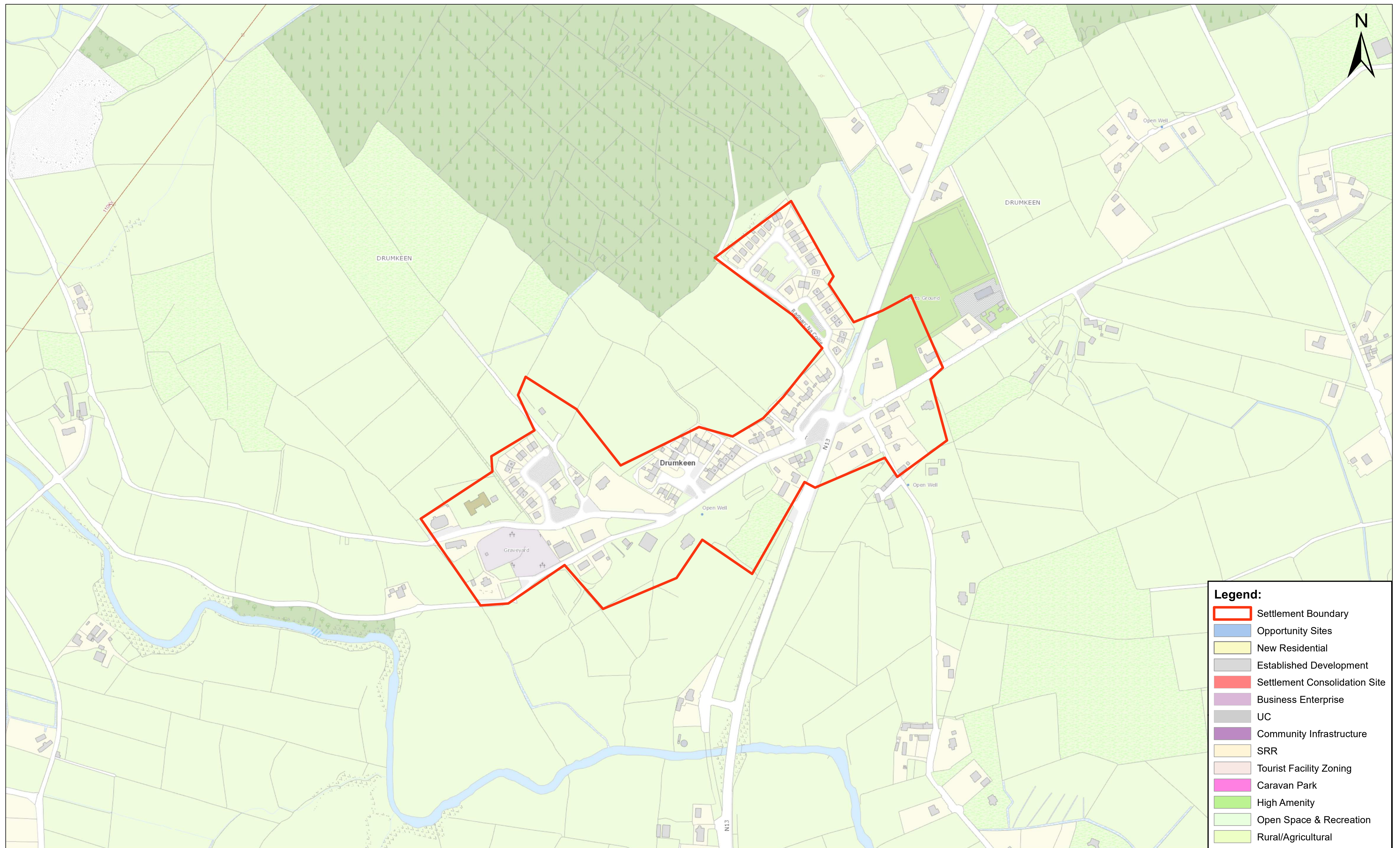
No.	Revision	Date	By	Chk'd	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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LA	AS	WV	JPR	S2 - For Information

Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST ST. JOHNSTON SHEET 58 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40158
Scale (A1)	1:5,000	Date:	April 2023	Job No:	22.153	Rev:	P03



Legend:

- Settlement Boundary
- Opportunity Sites
- New Residential
- Established Development
- Settlement Consolidation Site
- Business Enterprise
- UC
- Community Infrastructure
- SRR
- Tourist Facility Zoning
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No.	Revision	Date	By	Chk'g	App'd
P0	Draft Flood Extent Mapping	03/02/2023	LA	WV	JPR
P1	Draft Flood Extent Mapping	18/04/2023	MMC	WV	JPR
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P3	Draft Flood Extent Mapping	21/07/2023	MMC	WV	JPR



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Project Stage	DRAFT						
Project Title	DCC COUNTY DEVELOPMENT PLAN STRATEGIC FLOOD RISK ASSESSMENT						
Drawing Title	ZONE MAP FOR JUSTIFICATION TEST DRUMKEEN SHEET 59 OF 59						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
	DSFRA	ROD	EWE	SW_AE	DR	EN	40159
Scale (A1)	1:2,500	Date:	April 2023	Job No:	22.153	Rev:	P03