

Background, Timeline and Public Consultation Process

Introduction

Kerry County Council as the Lead Authority, in partnership with The Office of Public Works (OPW) is now advancing with the Kenmare Flood Relief Scheme.

This Flood Relief Scheme is part of the €1bn National Fund announced by the Government for Flood Relief Schemes throughout the country in May 2018.

The OPW has recommended the development of a Flood Relief Scheme for Kenmare as a result of the work completed in the South-Western Catchment Flood Risk Assessment and Management (CFRAM) Study.

The CFRAM identified numerous structural and non-structural options which could be adopted for effective and sustainable management of flood risks within the study area. These options were then screened under the following headings:

- Technical
- Economic
- Environmental
- Social

The CFRAM Study identified a preferred option for Kenmare which can be summarised as comprising mainly of a series of flood embankments and walls.

To progress the scheme to the next stage ByrneLooby have been commissioned to develop and

implement a Flood Relief Scheme for Kenmare. The project will not be limited to the recommendations of the CFRAM study and will appraise, at project specific level of detail, all potential flood relief measures to ensure the most suitable scheme is developed.

DESIGN STANDARD

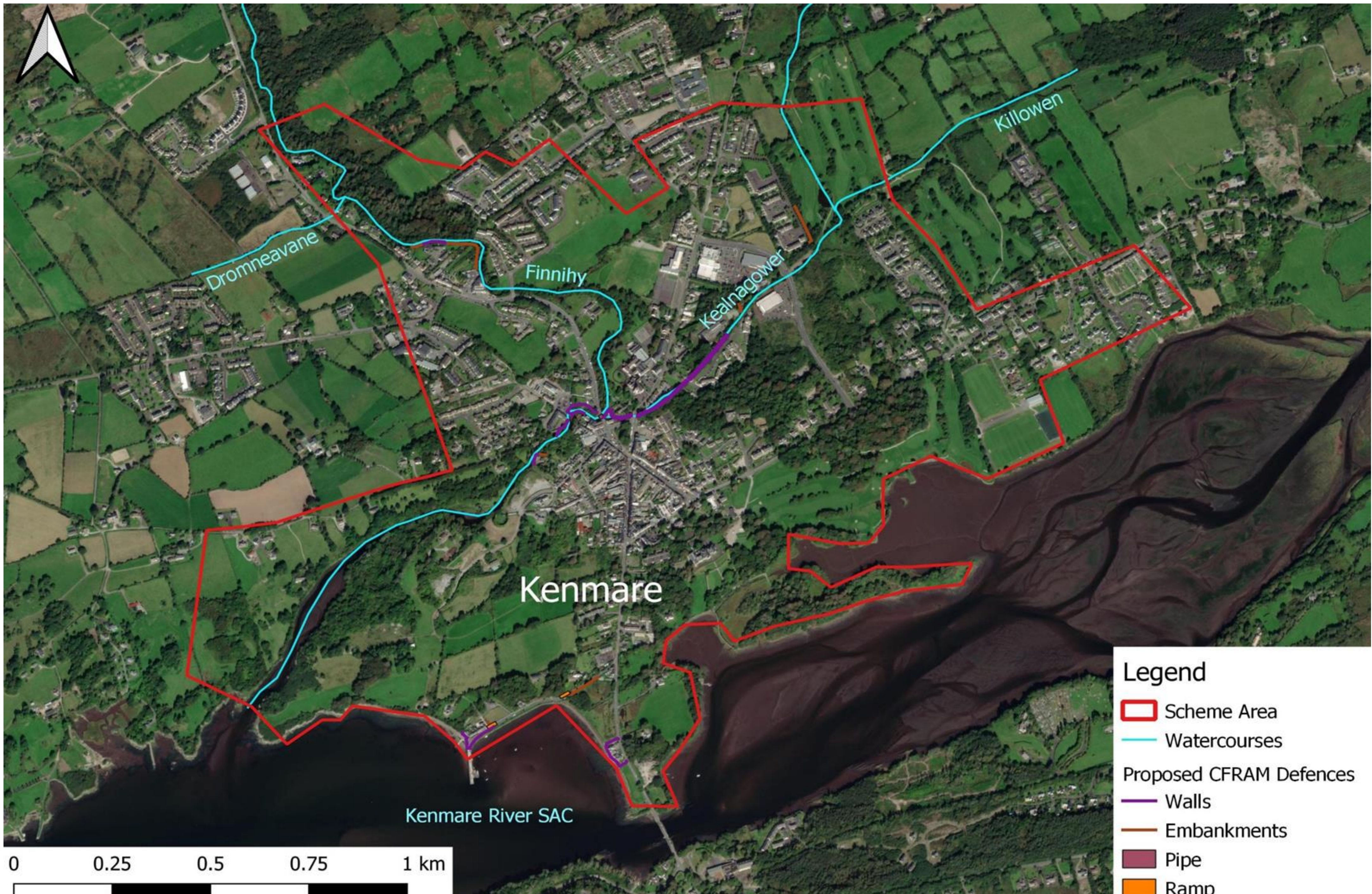
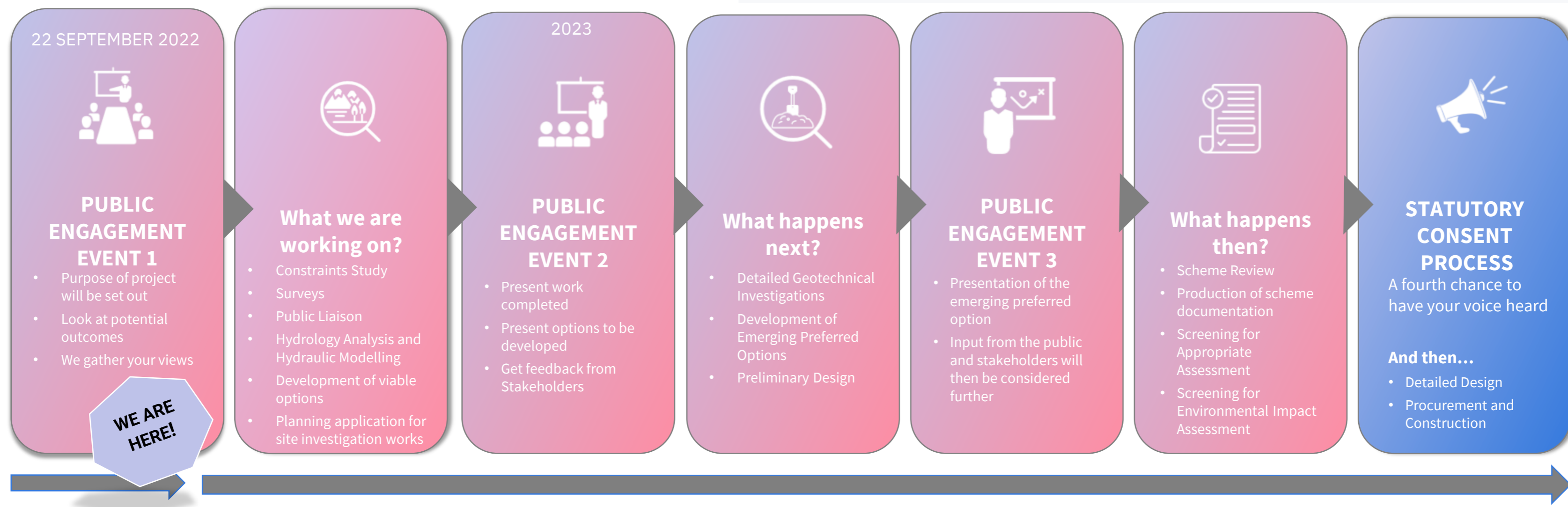
The design Standard of Protection (SoP) sought for the Kenmare Flood Relief Scheme (FRS) is the 1% annual exceedance probability (AEP) event for fluvial flooding and the 0.5% AEP event for coastal flooding. This can be thought of as a flood with a magnitude such that it has a 1%/0.5% chance of occurring in any given year and is sometimes referred to as the 100-year/200-year flood.

The scheme will also be assessed for resistance/adaption to climate change for flood events that are greater than the design flood event.

STAGES & TIMELINES

The diagram below outlines the steps in Stages 1-2 that lead up to the statutory approval for the scheme. Once this is obtained, the detailed design will begin, and a construction contractor will then be procured to build the scheme. The timeline for the entire project is shown inset below.

Stage	2022	2023	2024	2025	2026	2027	2028	2029	2030
I	█	█	█						
II				█	█				
III						█	█	█	
IV								█	█
V									█



Kenmare Flood Relief Scheme

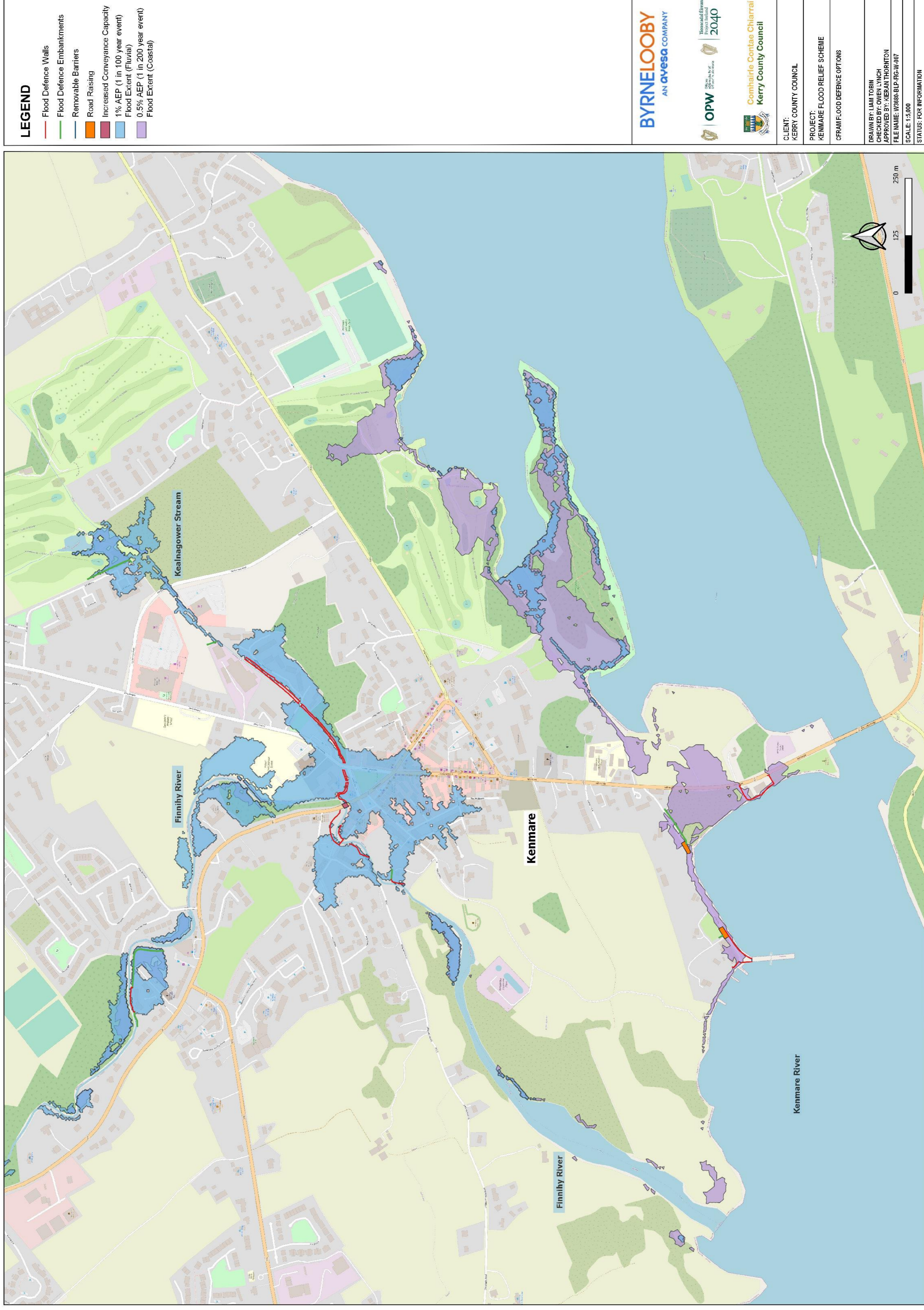
Proposed CFRAM Flood Defence Measures

The OPW in partnership with Kerry County Council have completed the Catchment Flood Risk Assessment and Management (CFRAM) Study.

The study assessed the existing and future flood risk to Kenmare and proposed flood defence measures to protect the area from coastal and fluvial flooding which are shown in the map.

Flood Extent Maps

The proposed Kenmare flood relief scheme will be designed to protect the scheme area from a 1 in 100 year (1% AEP) fluvial flood event and a 1 in 200 year (0.5% AEP) coastal flood event. The extent to which these flood events would impact the scheme area are shown in the map.



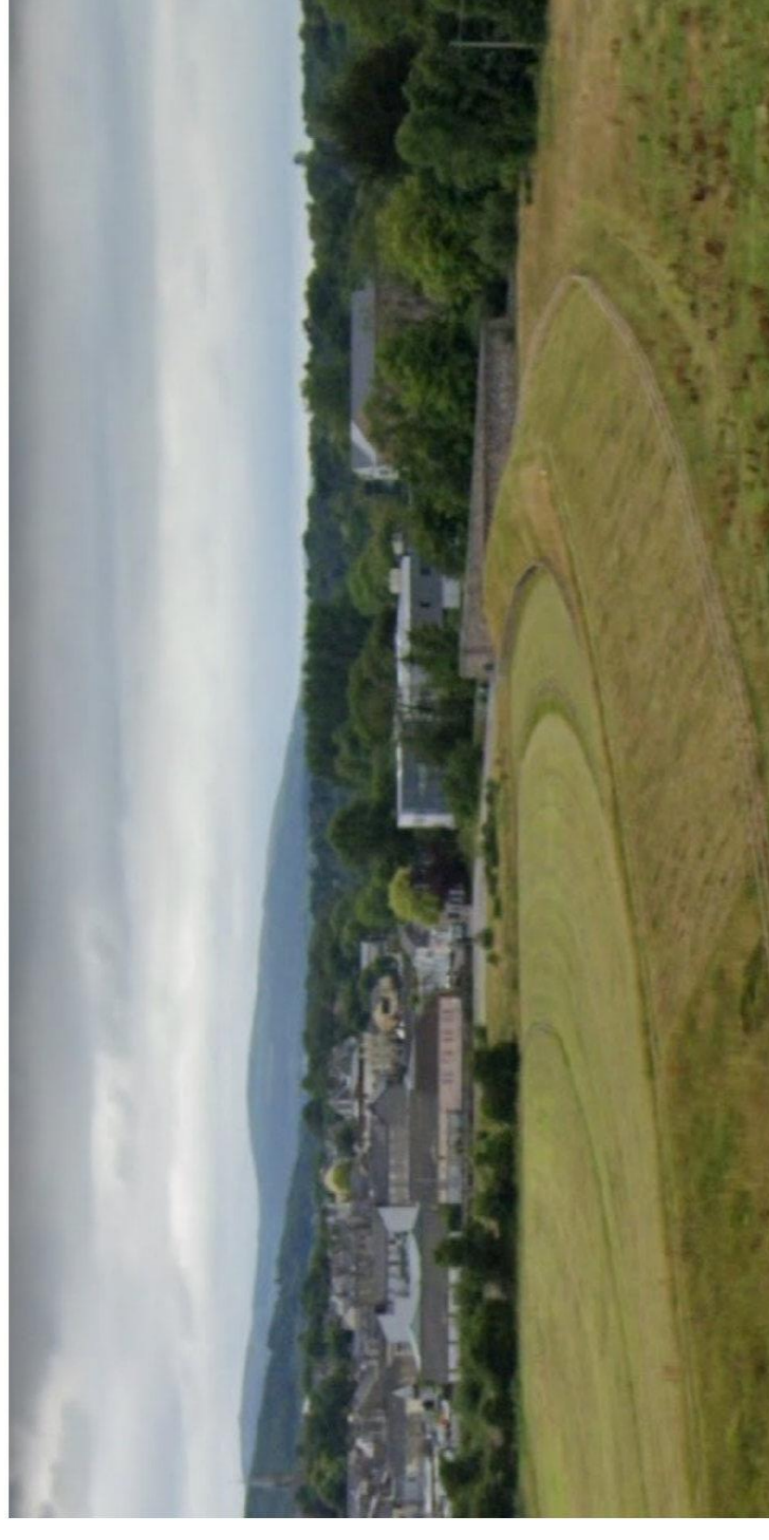
Kenmare Flood Relief Scheme



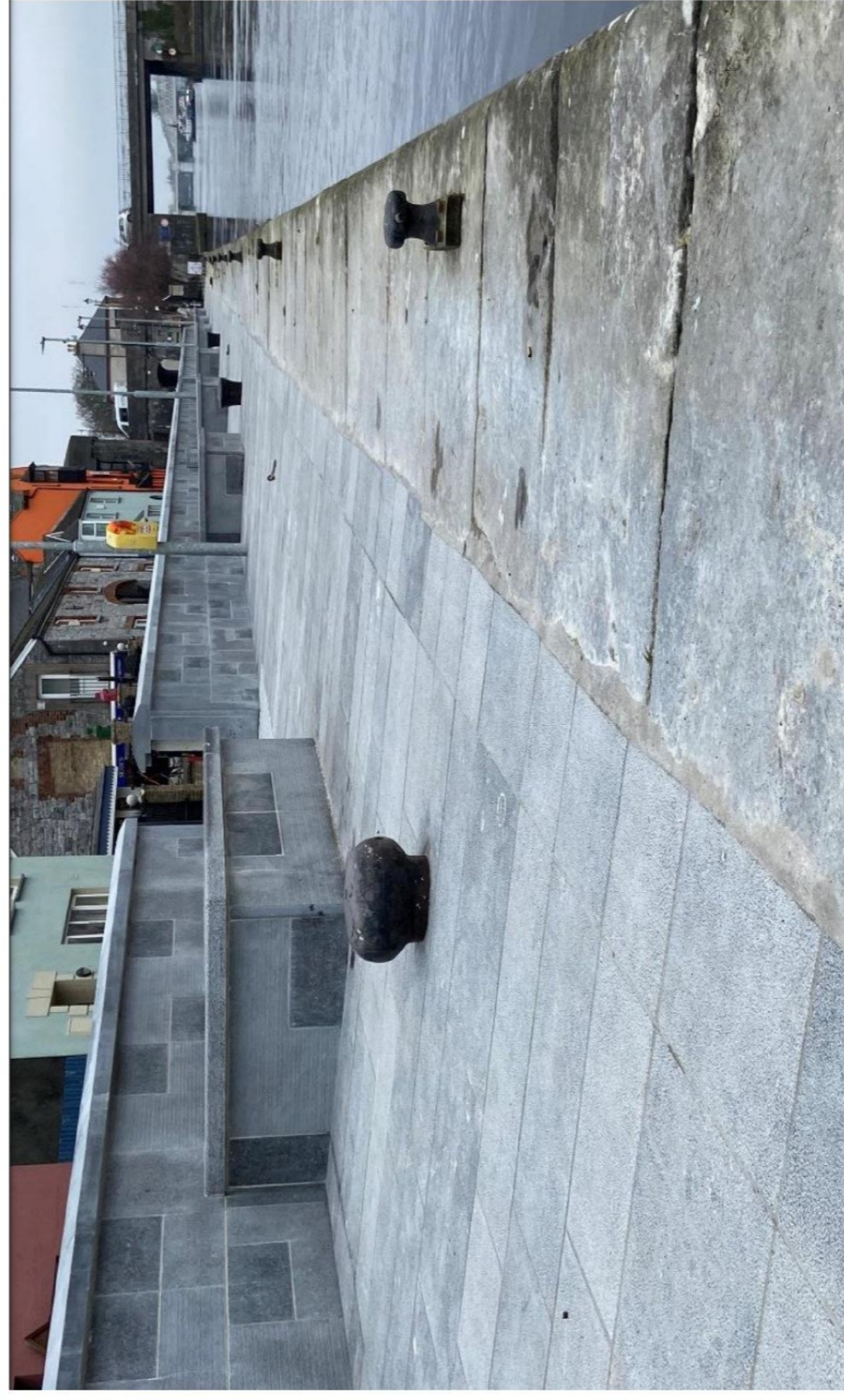
FLOOD DEFENCE WALL



GLASS FLOOD DEFENCE WALL



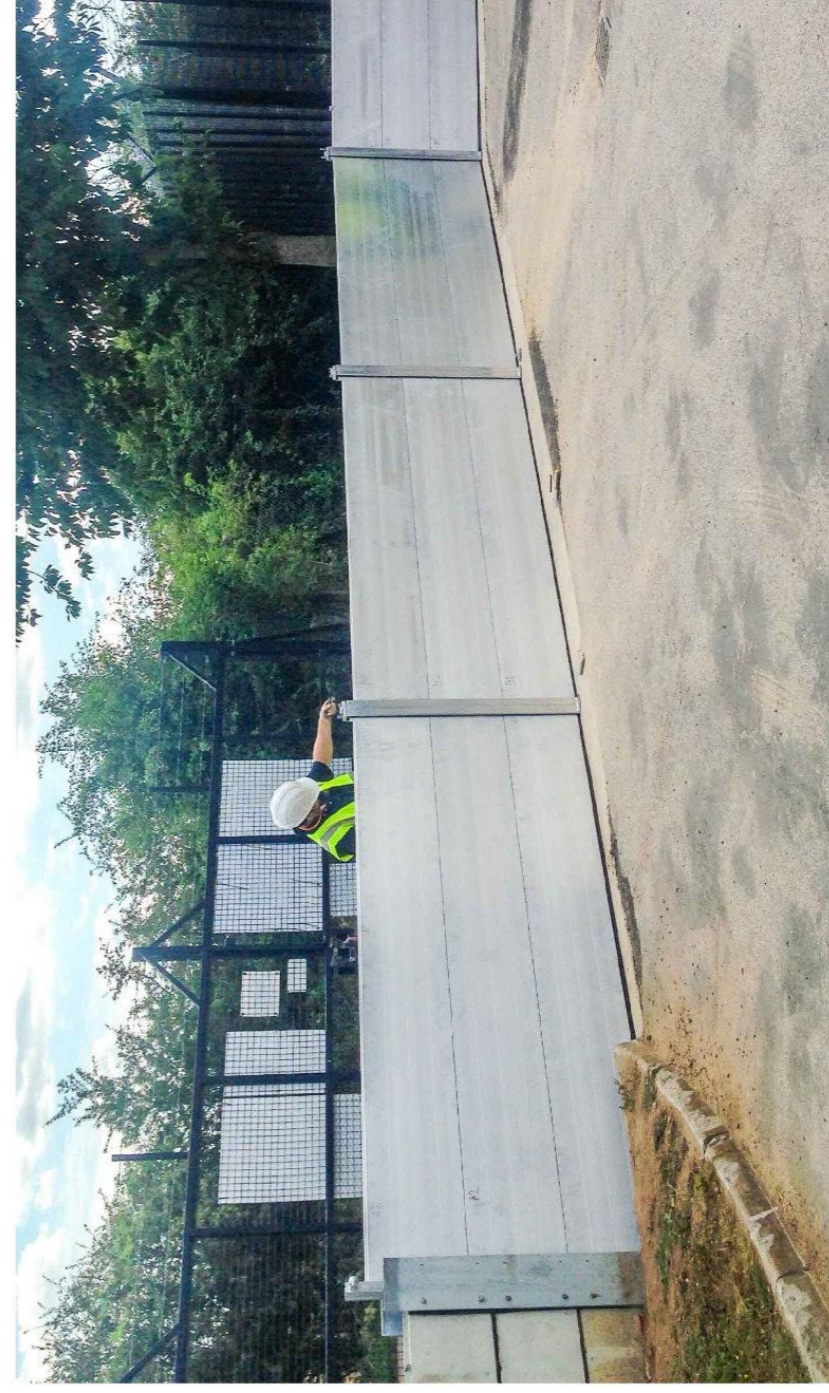
FLOOD DEFENCE EMBANKMENT



FLOOD DEFENCE INCORPORATED INTO PUBLIC REALM



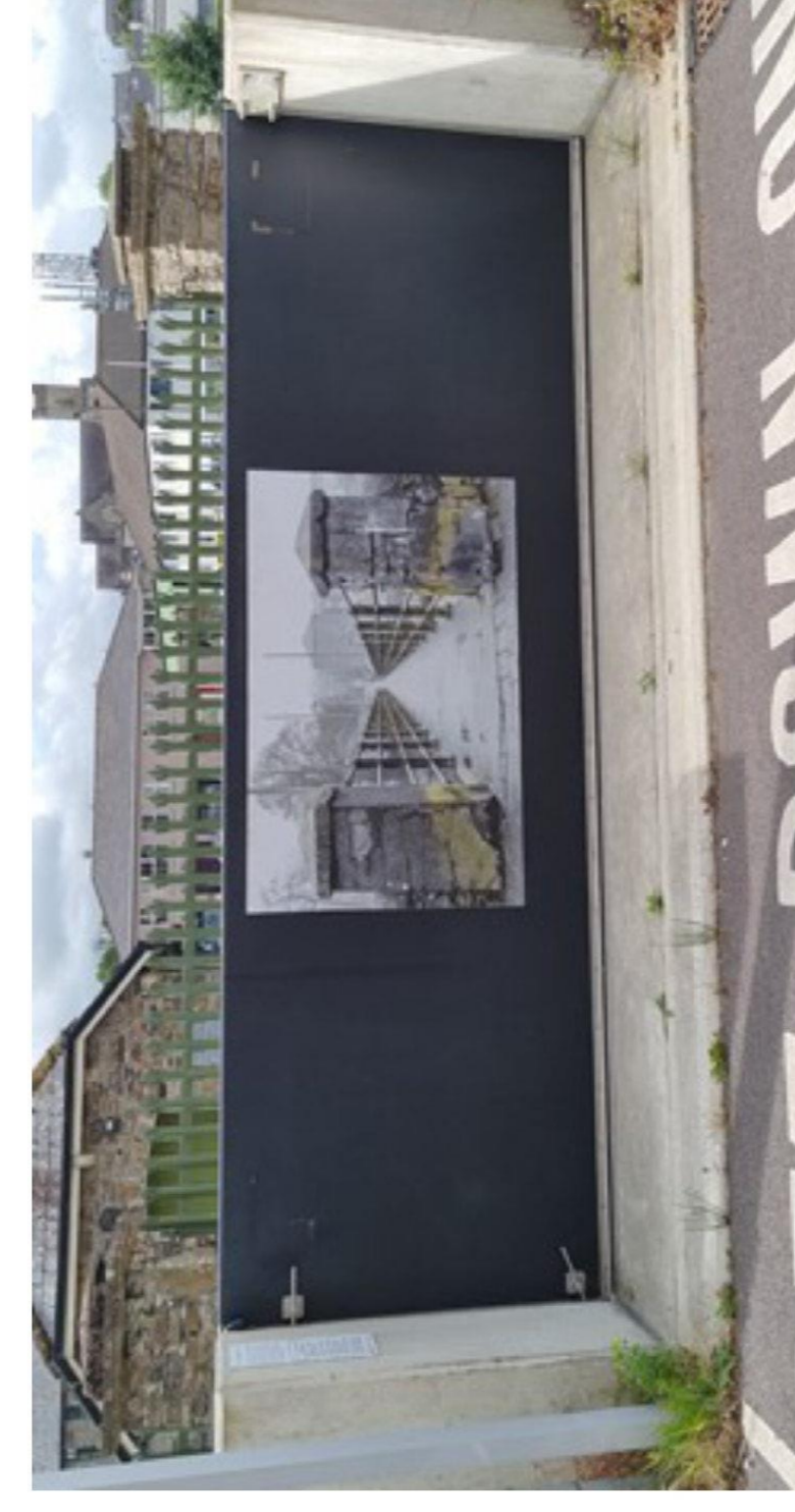
FLOOD DEFENCE INCORPORATED INTO PUBLIC REALM



DEMOUNTABLE FLOOD DEFENCE BARRIER



FLOOD STORAGE



FLOOD DEFENCE GATE

Typical Flood Defence Infrastructure

In the images shown are some typical flood defence measures such as flood defence walls and embankments. Similar infrastructure will be required to protect Kenmare town and the surrounding scheme area from flooding.

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OPW Office of Public Works
Approved by 2040

Comhairle Contae Chiarraí
Kerry County Council

CLIENT: KERRY COUNTY COUNCIL
PROJECT: KENMARE FLOOD RELIEF SCHEME
TYPICAL FLOOD DEFENCE INFRASTRUCTURE

DRAWN BY: LAM TOSIN
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FILE NAME: WDR-BL-FD-1-001
SCALE: 1:100
STATUS: FOR INFORMATION

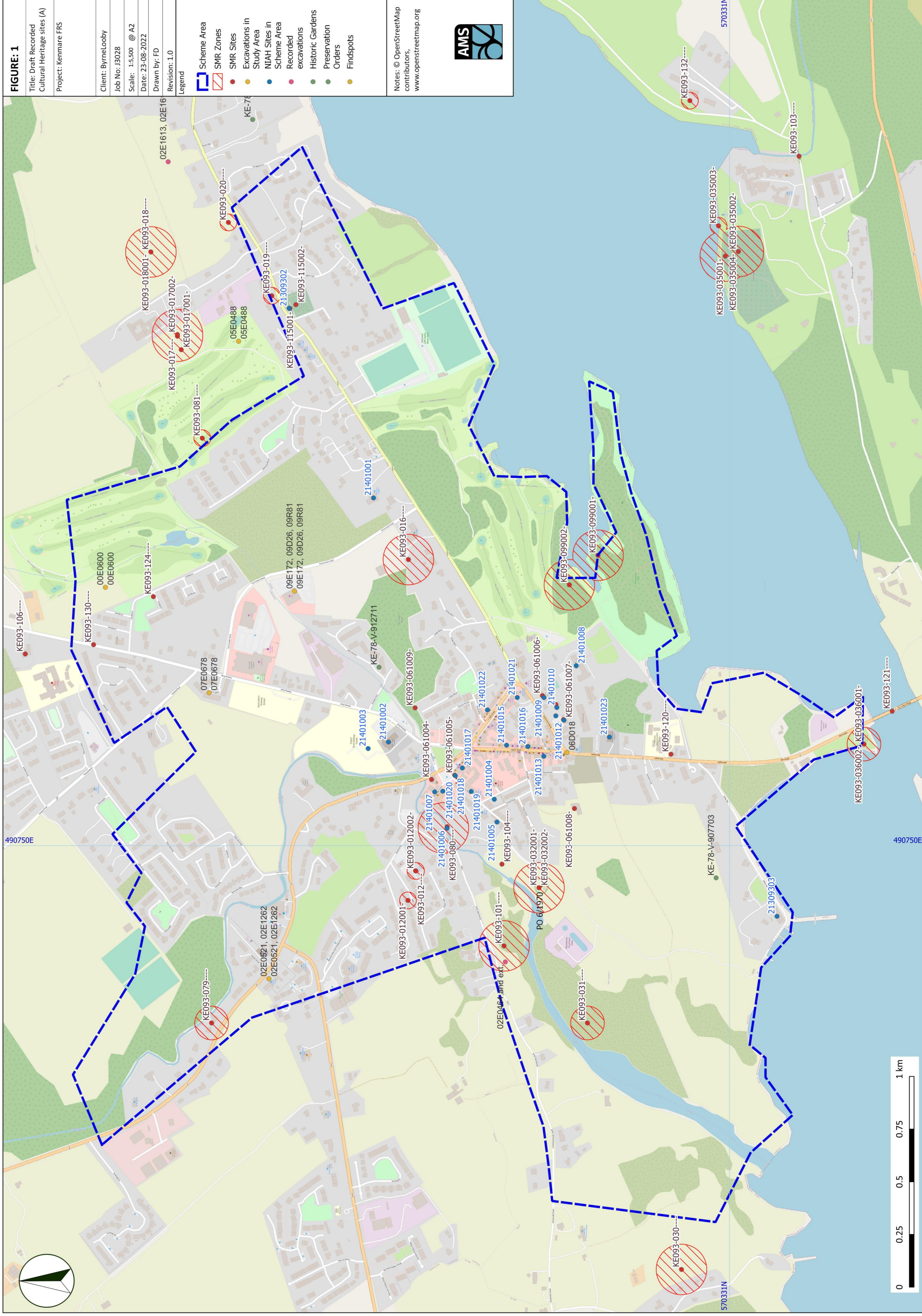
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OPW Office of Public Works
Tionscatal Eireann
Project Ireland
2040

Comhairle Contae Chiarraí
Kerry County Council

KENMARE FLOOD RELIEF SCHEME

Protected Sites to be considered in the FRS



SMR – Sites and Monuments Record

Examples include:

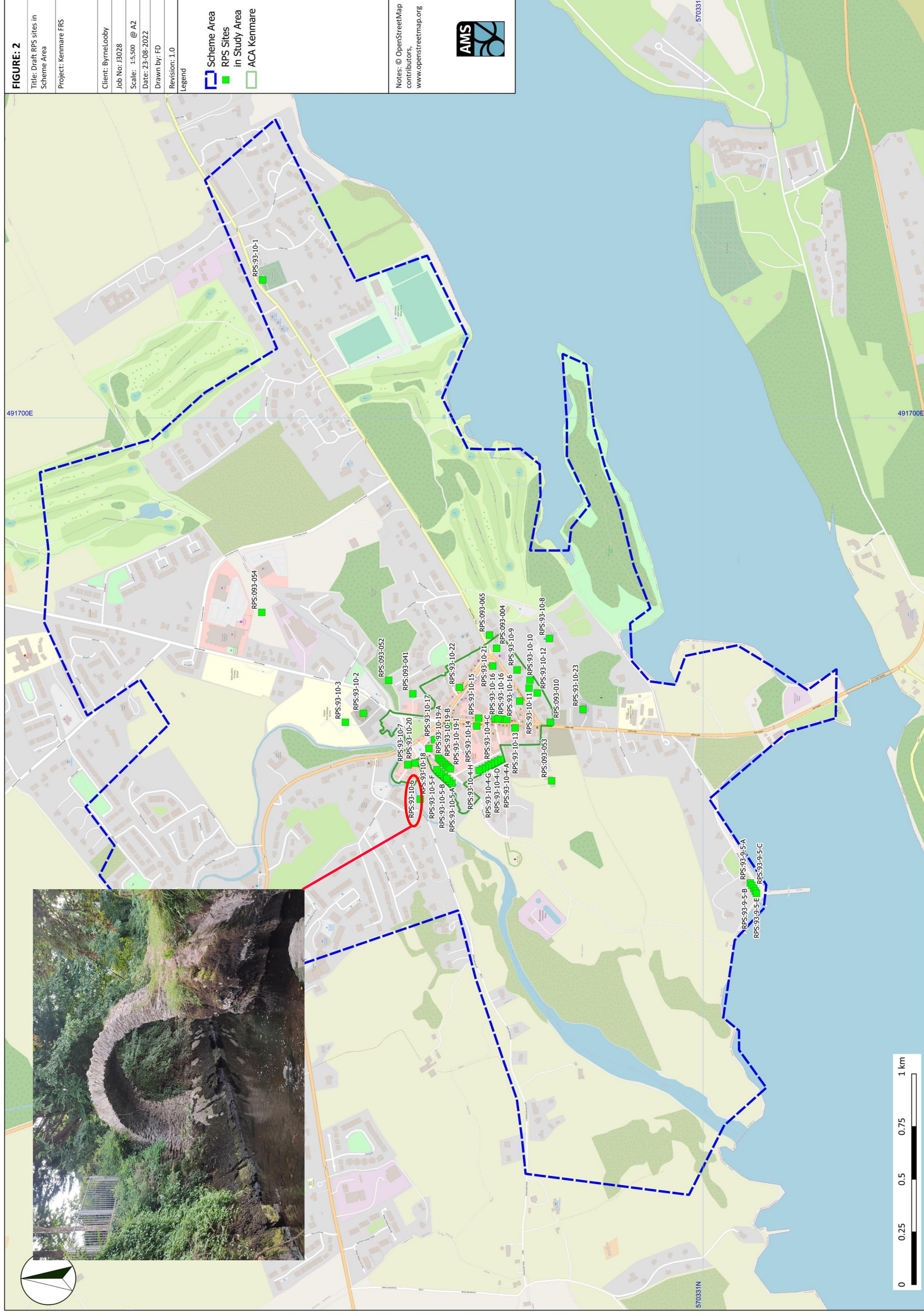
- Kenmare Market House (KE093-061005)
- Standing Stone (KE093-016)
- Stone Circle (KE093-03201)
- Children’s Burial Ground (KE093-031)

NIAH – National Inventory of Architectural Heritage

Examples include:

- Kenmare Market House (21401018)
- Holy Cross Catholic Church (21401002)
- Poor Clare’s Convent (21401003)
- Shelburne Lodge (21401001)
- Park Hotel (21401008)

Protected Sites to be considered in the FRS



RPS – Record of Protected Structures

Examples include:

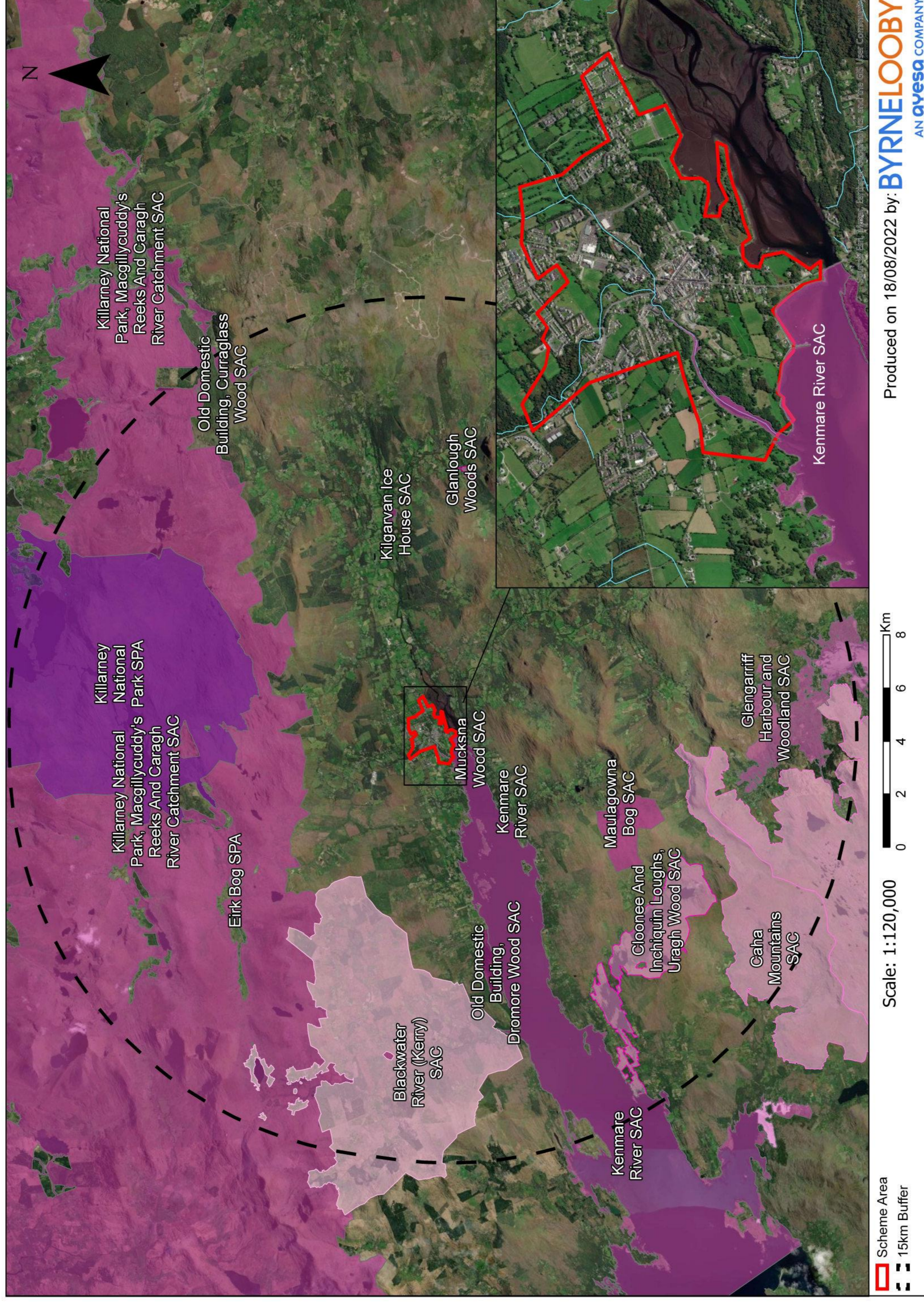
- The Quays Terrace (93-9-5(A-E))
- Holy Cross Catholic Church (93-10-2)
- Cromwell’s Bridge (93-10-6, highlighted in the map)
- Kenmare National School (93-10-12)
- Old Market House (93-10-18)

ACA – Architectural Conservation Area

The entirety of Kenmare Town Centre is protected as an Architectural Conservation Area, encompassing the Square, Henry St., Main St., and Shelbourne St. and also a section of Market St. and Parnell Place.

Kenmare Flood Relief Scheme

Protected Sites to be considered in the FRS



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SPA – Special Protection Areas
 Protected under the Birds Directive

SAC – Special Area of Conservation
 Protected under the Habitats Directive

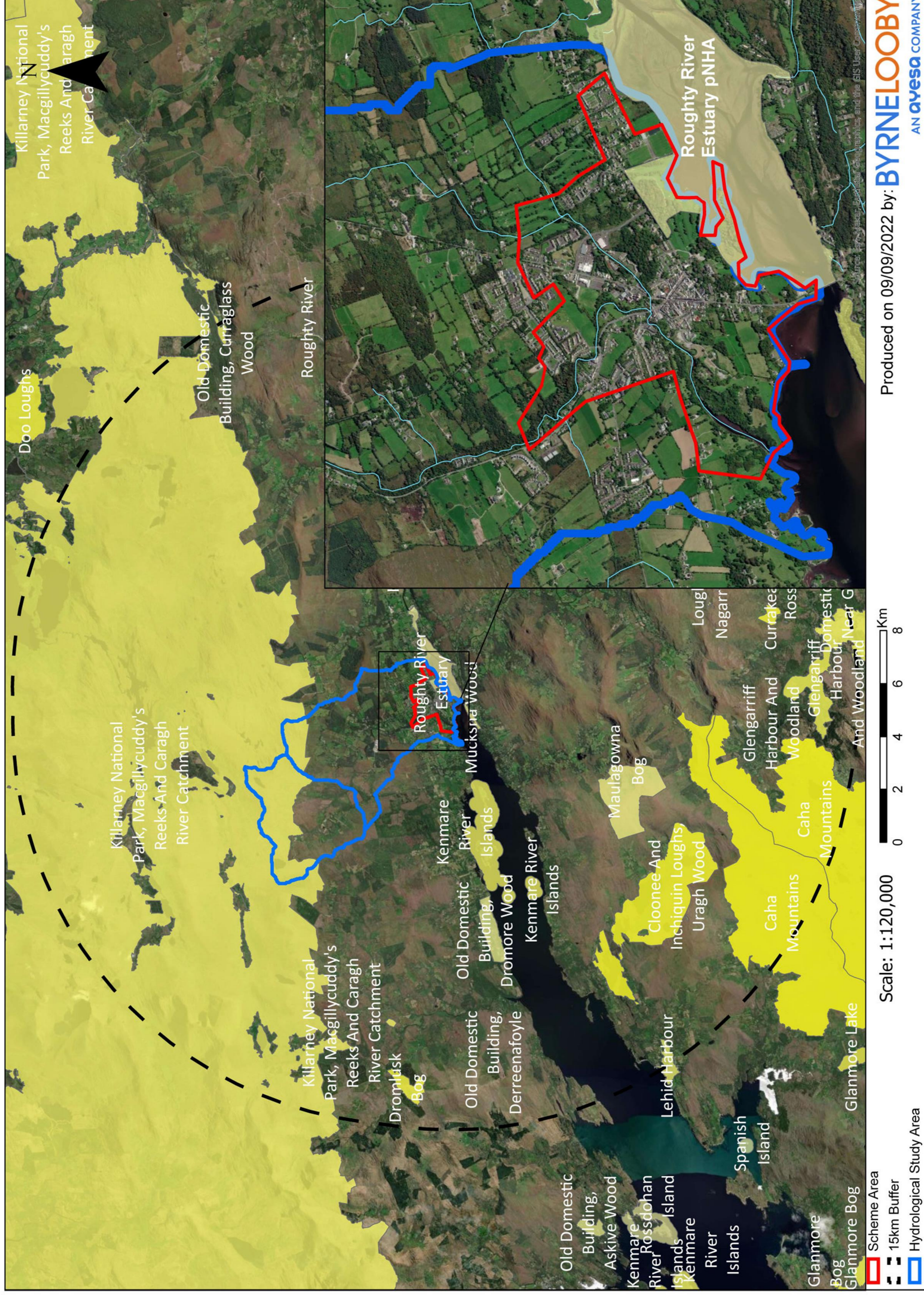
All Protected Areas within 15km must be considered in the development of the FRS.

Qualifying Interests for Kenmare River SAC (inset in the map, within the scheme area) include:

- Perennial vegetation of stony banks
- Large shallow inlets and bays
- Vertigo angustior (Narrow-mouthed Whorl Snail)
- Rhinolophus hipposideros (Lesser Horseshoe Bat)
- Lutra lutra (Otter)
- Phoca vitulina (Harbour Seal)

Kenmare Flood Relief Scheme

Protected Sites to be considered in the FRS



pNHA – proposed Natural Heritage Areas

Protected under the Wildlife Amendment Act

All Protected Areas within 15km must be considered in the development of the FRS.

Qualifying Interests for Roughy River Estuary pNHA (inset in the map, within the scheme area) include:

- Hieracium scullyi – hawkweed, only known site in the world

Other Ecological Considerations in the scheme area

- Annex 1 Habitats incl old Oak Woodlands and Estuaries on Roughy River Border
- Annex 1 habitats incl Blanket Bogs, Dry Heath, Wet Heath upstream of Finnihy
- Finnihy River is a Fresh Water Pearl Mussel (Margaritifera) Sensitive Area