Strategic Flood Risk Assessment

Appendix II





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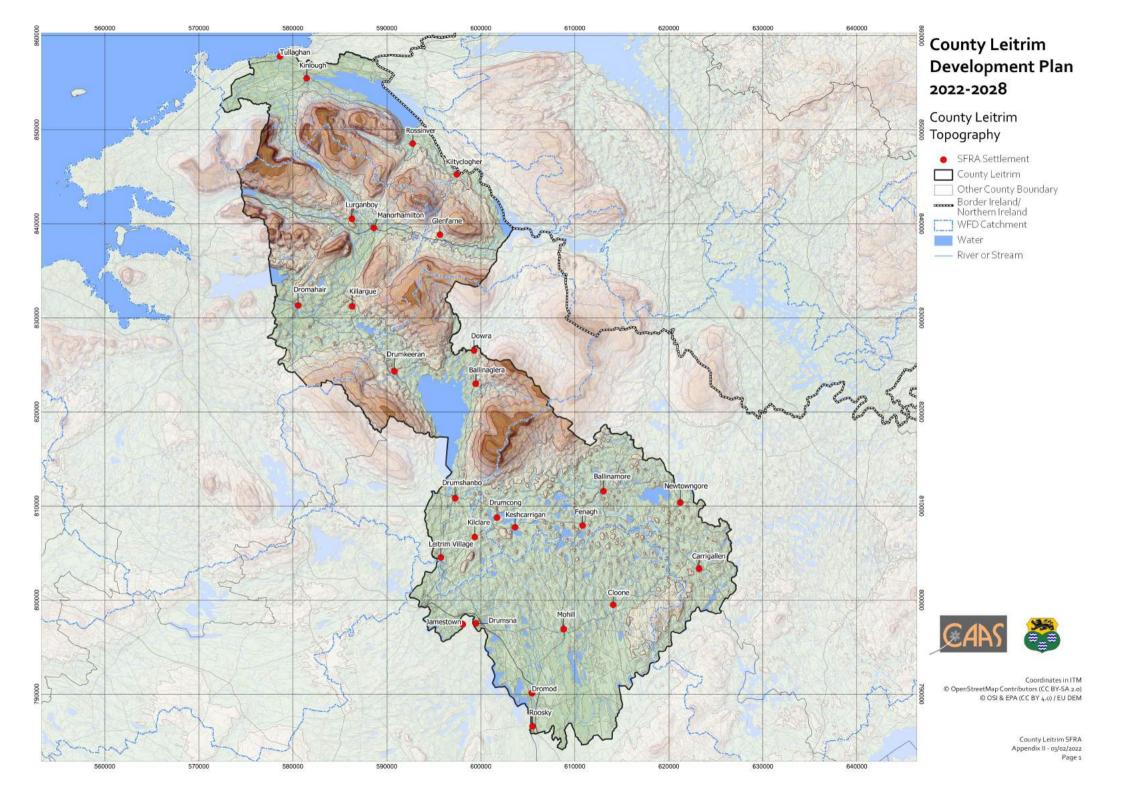
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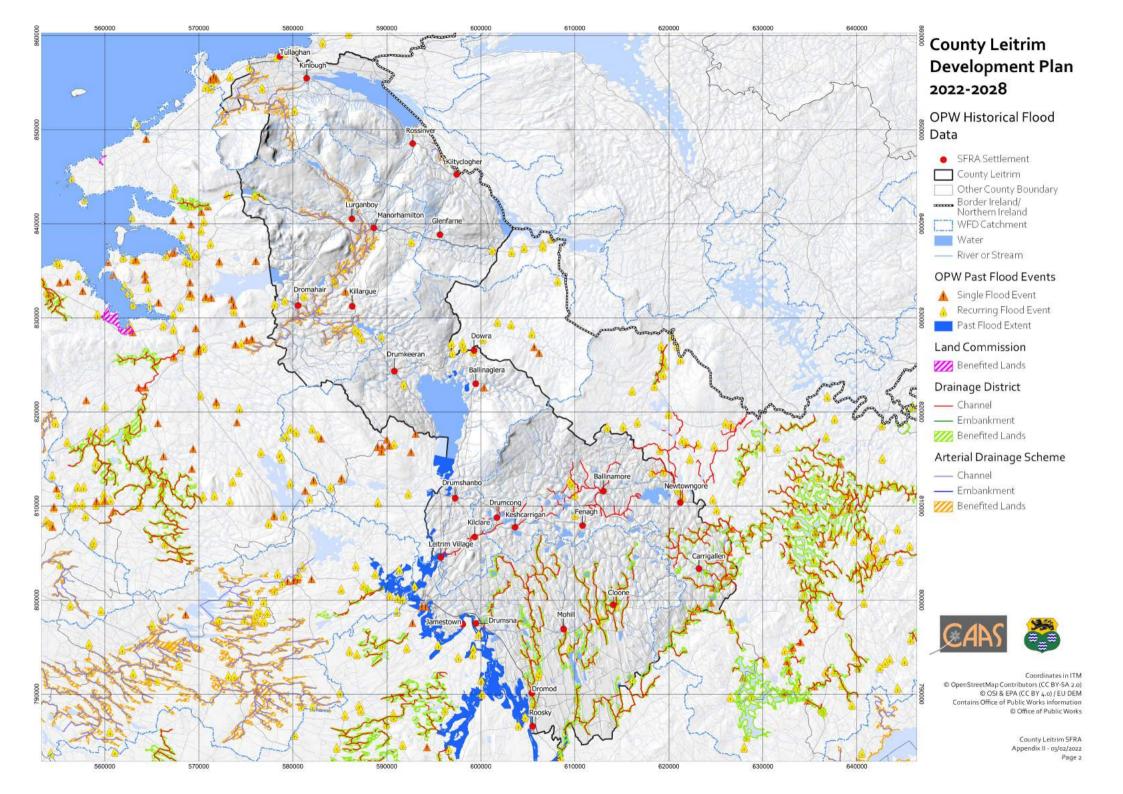
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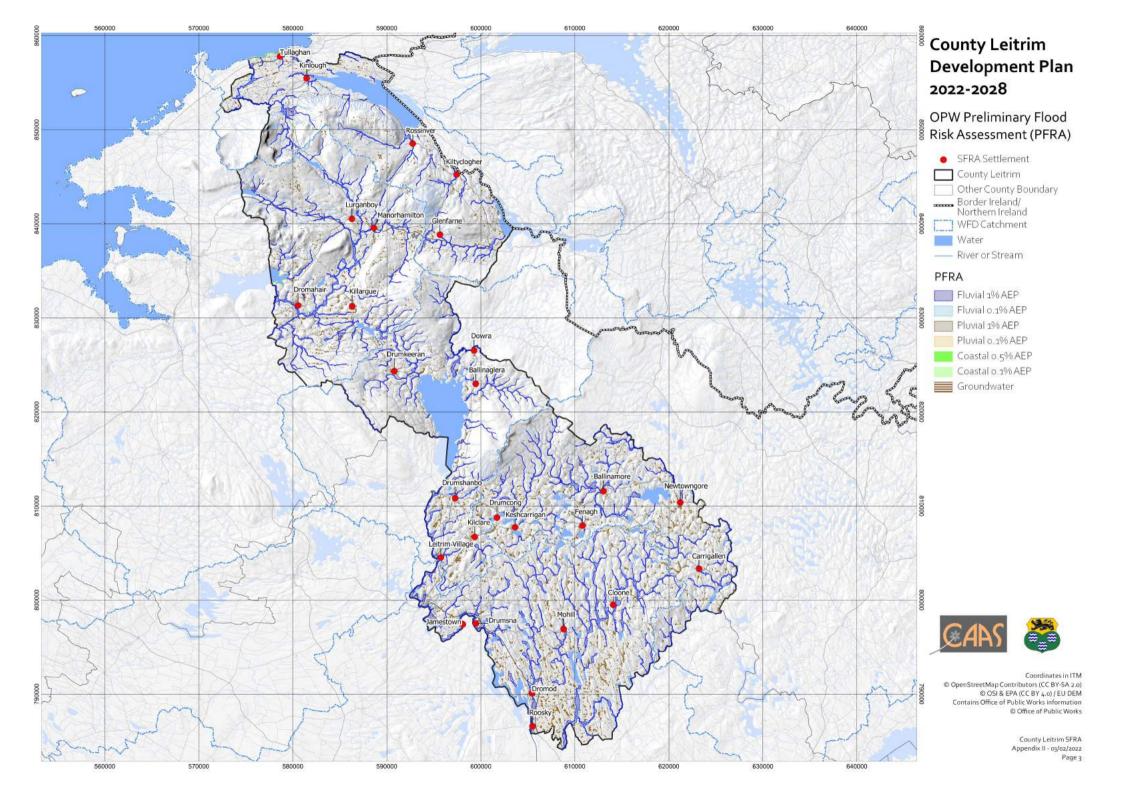
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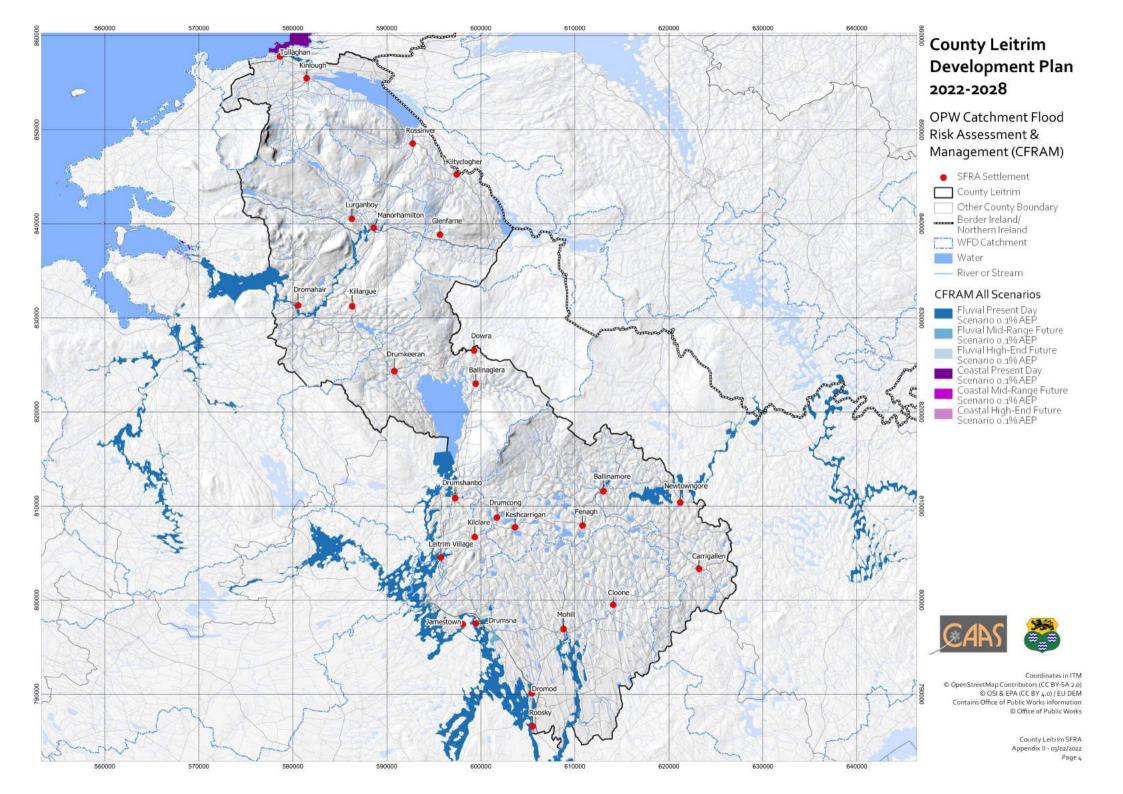
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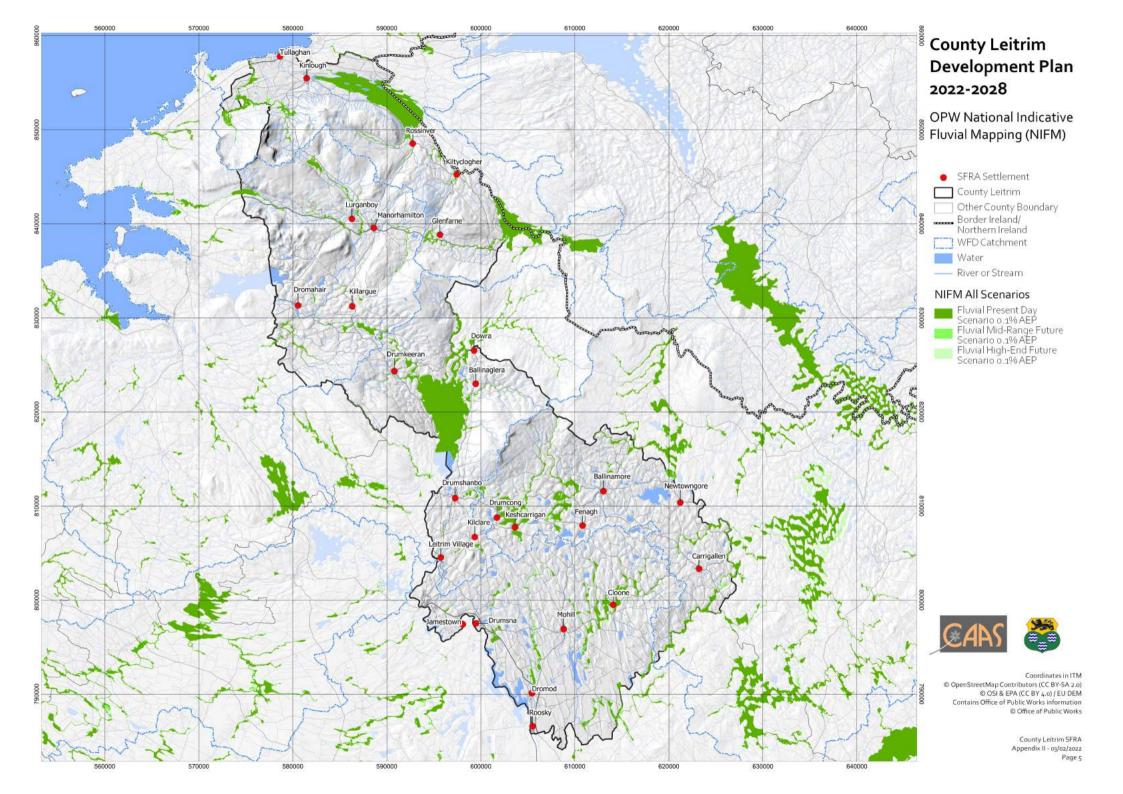
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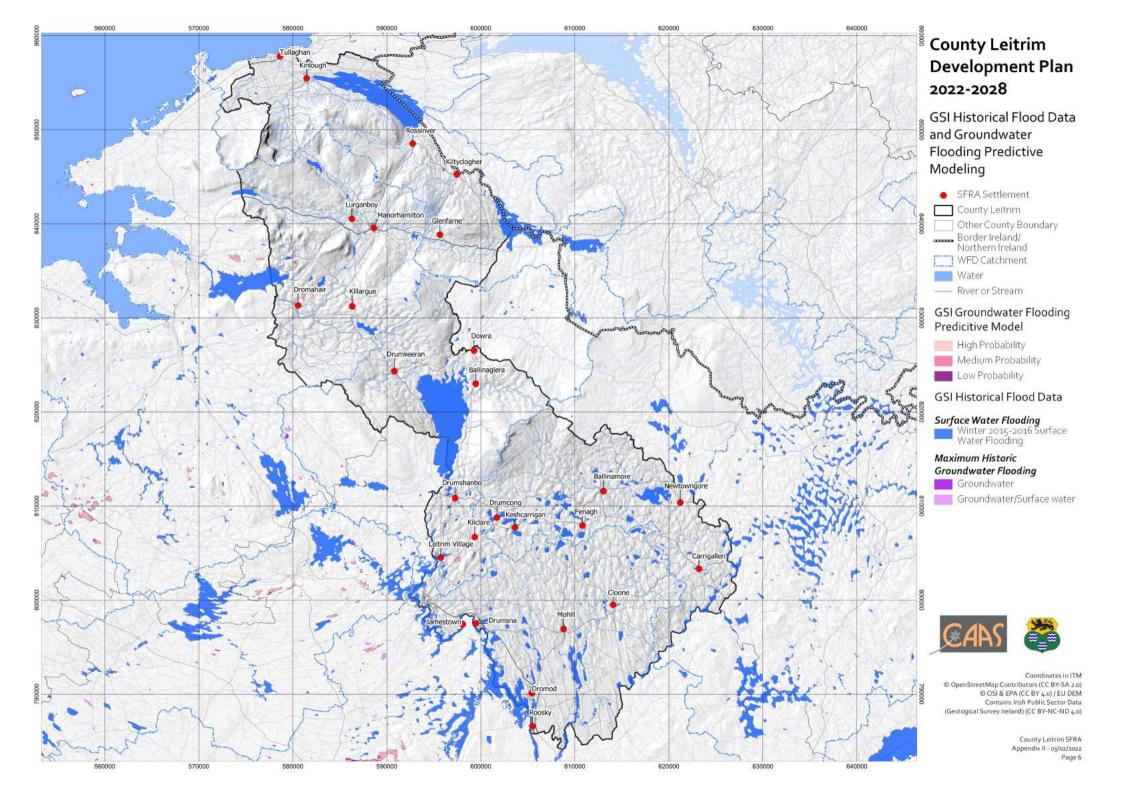












Ballinaglera OPW Historical Flood Data

Plan Boundary

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WFD River Sub-Basins

Water

- River or Stream

OPW Past Flood Events

▲ Single Flood Event

\_\_\_\_ Sirigle Flood Ever

& Recurring Flood Event

Past Flood Extent

Land Commission

Benefited Lands

Drainage District

--- Channel

— Embankment

Benefited Lands

Arterial Drainage Scheme

— Channel

- Embankment

Benefited Lands





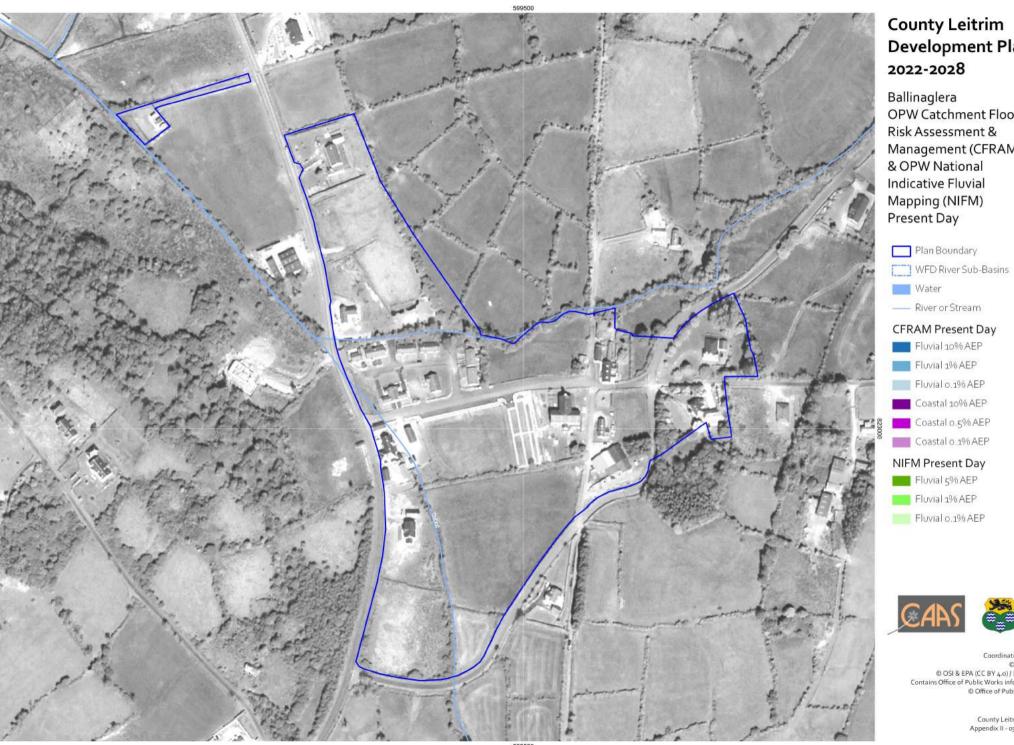
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OPW Preliminary Flood Risk Assessment (PFRA)



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OPW Catchment Flood Risk Assessment & Management (CFRAM) Indicative Fluvial Mapping (NIFM)







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Ballinaglera
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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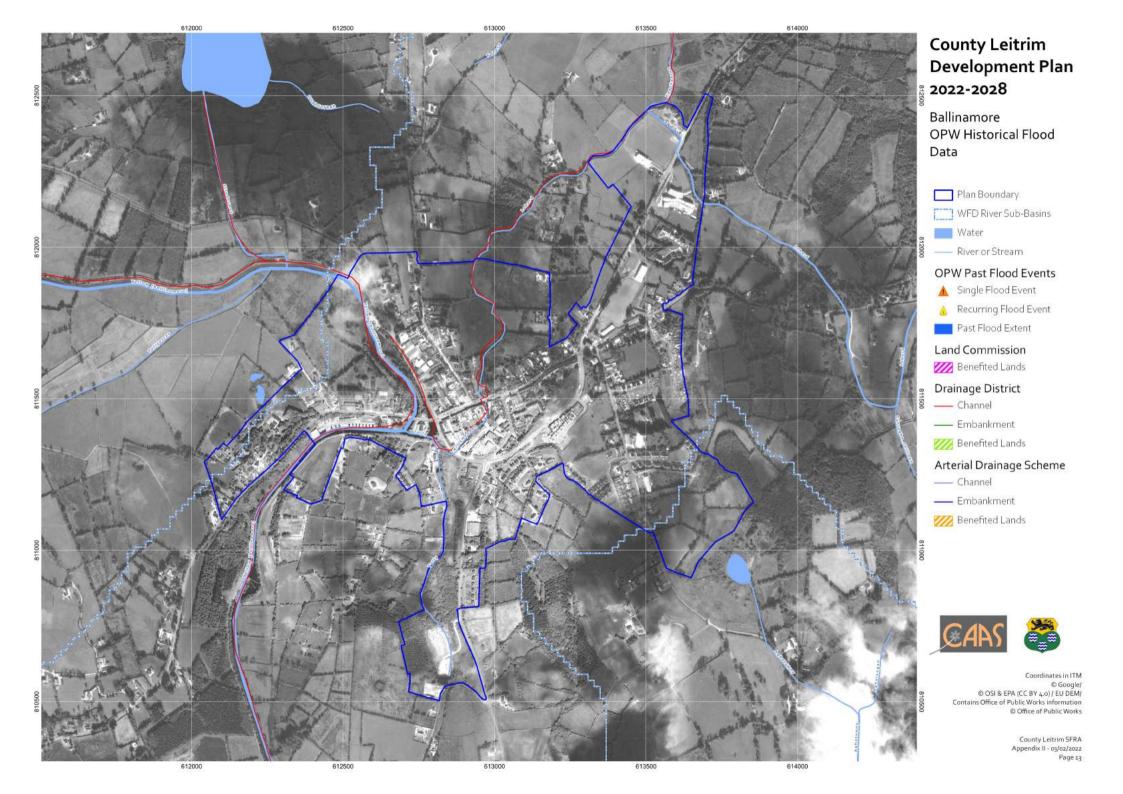


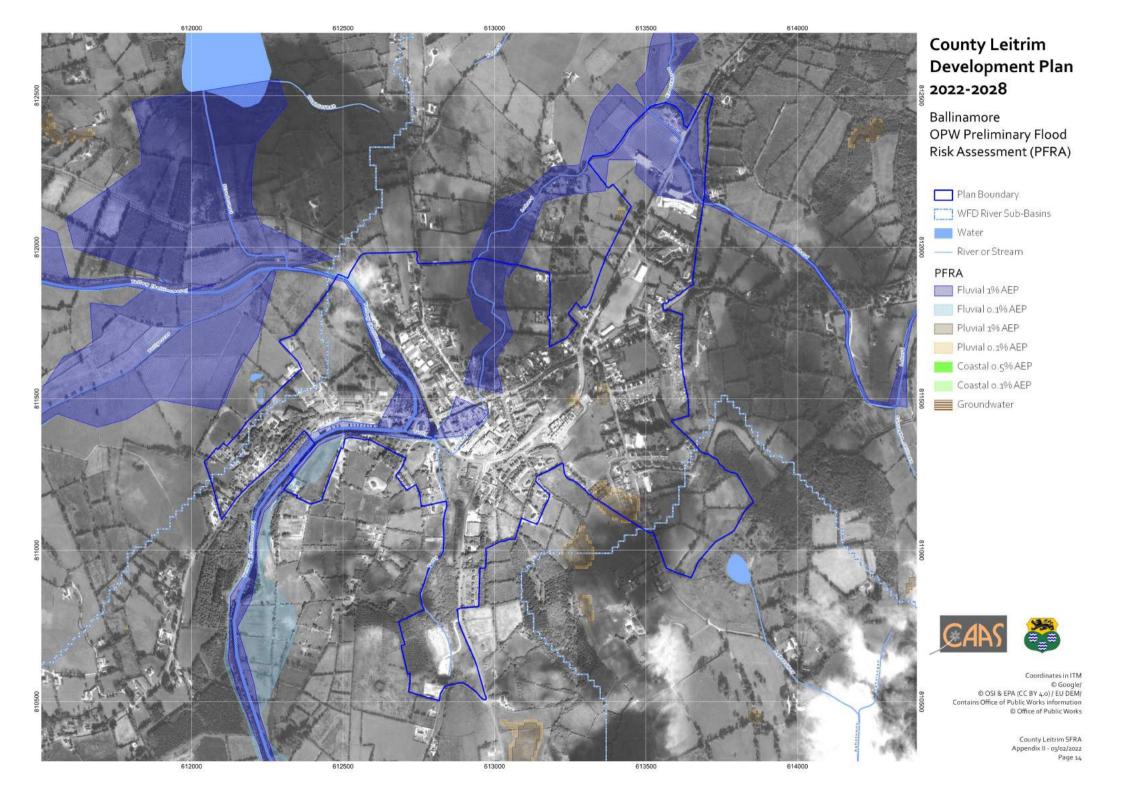
Indicative Flood Zones

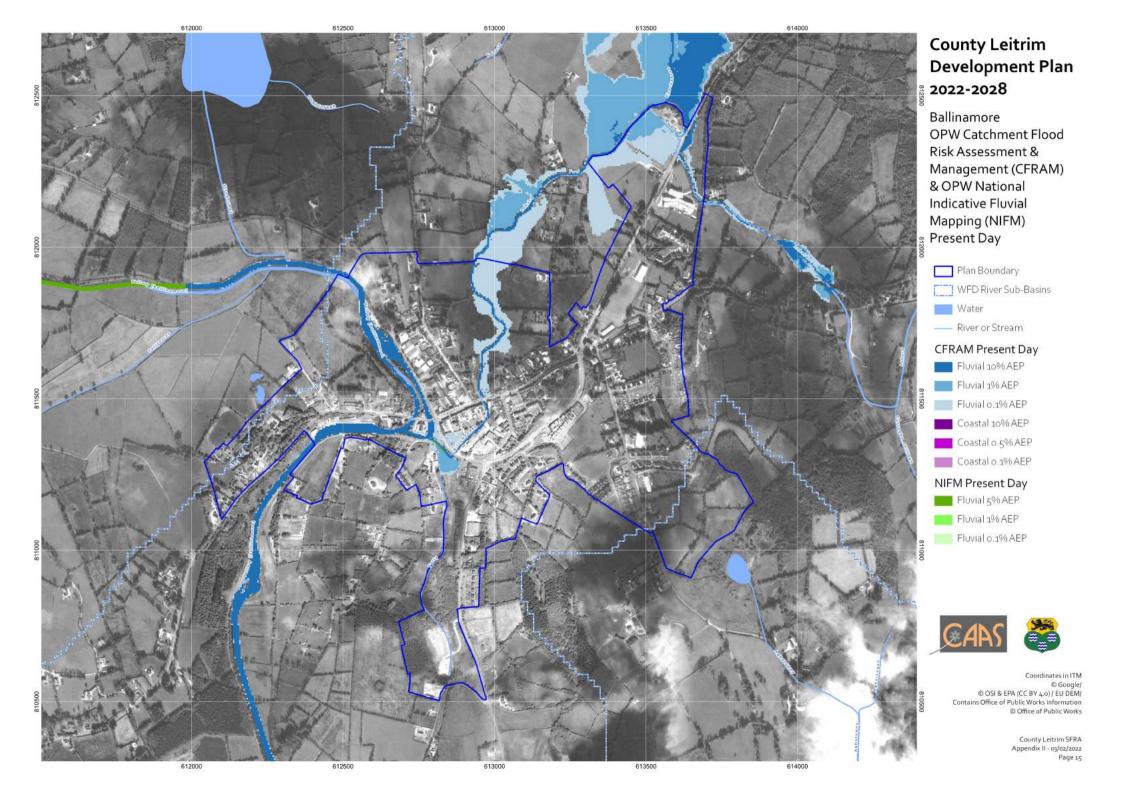


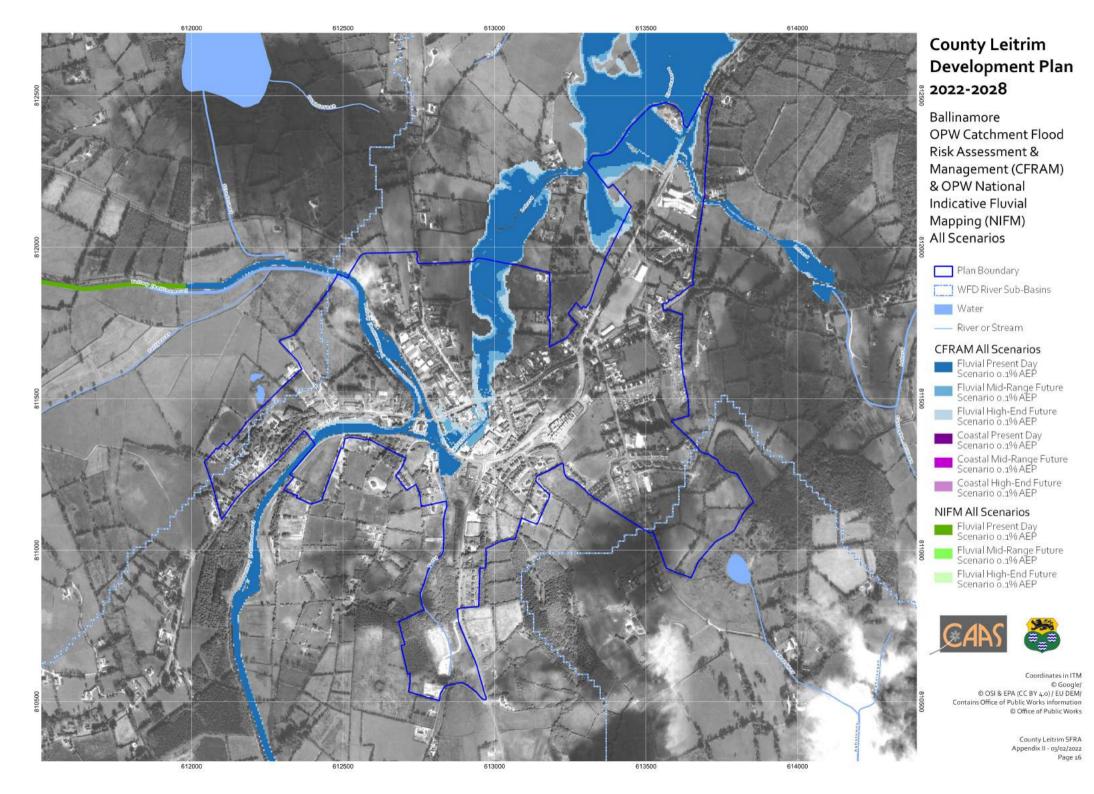


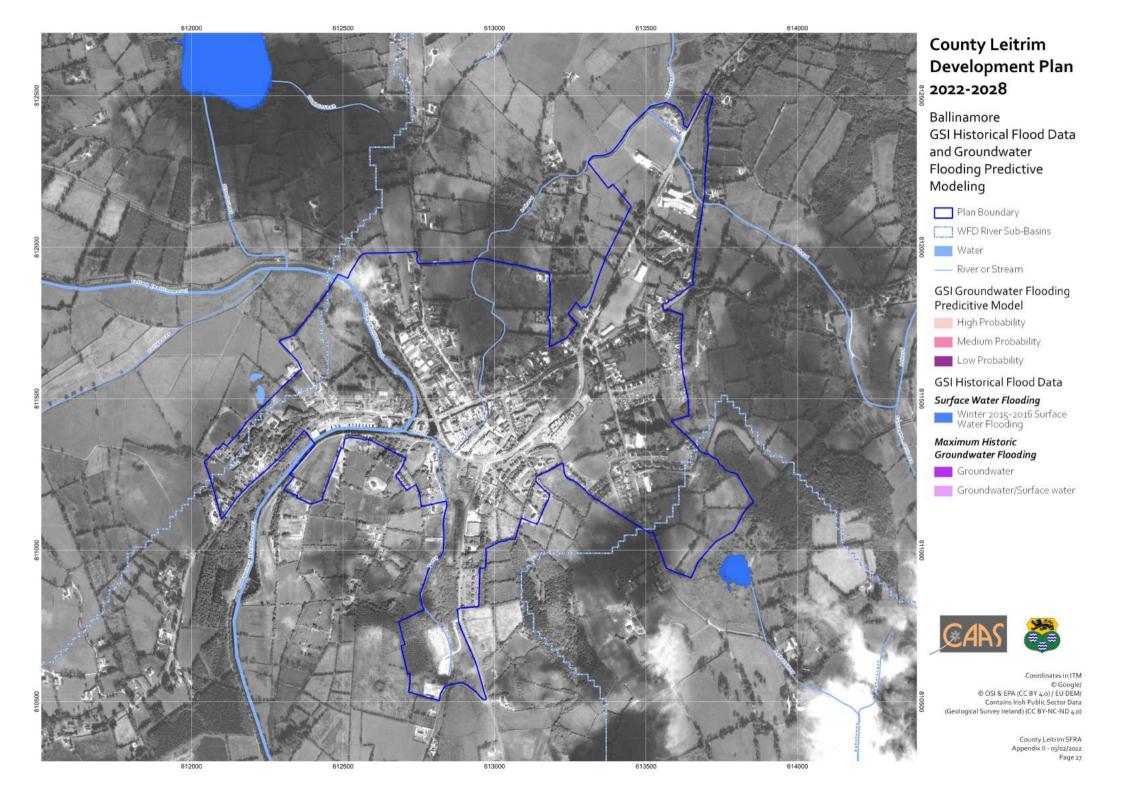
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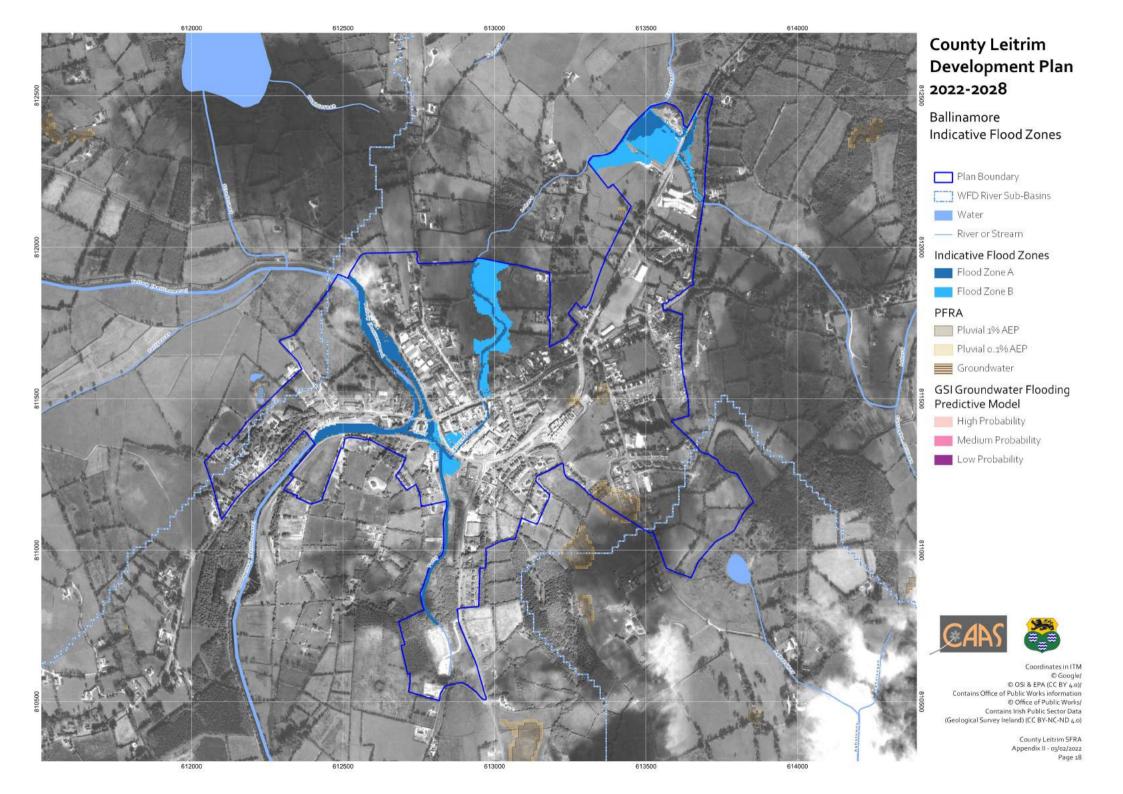


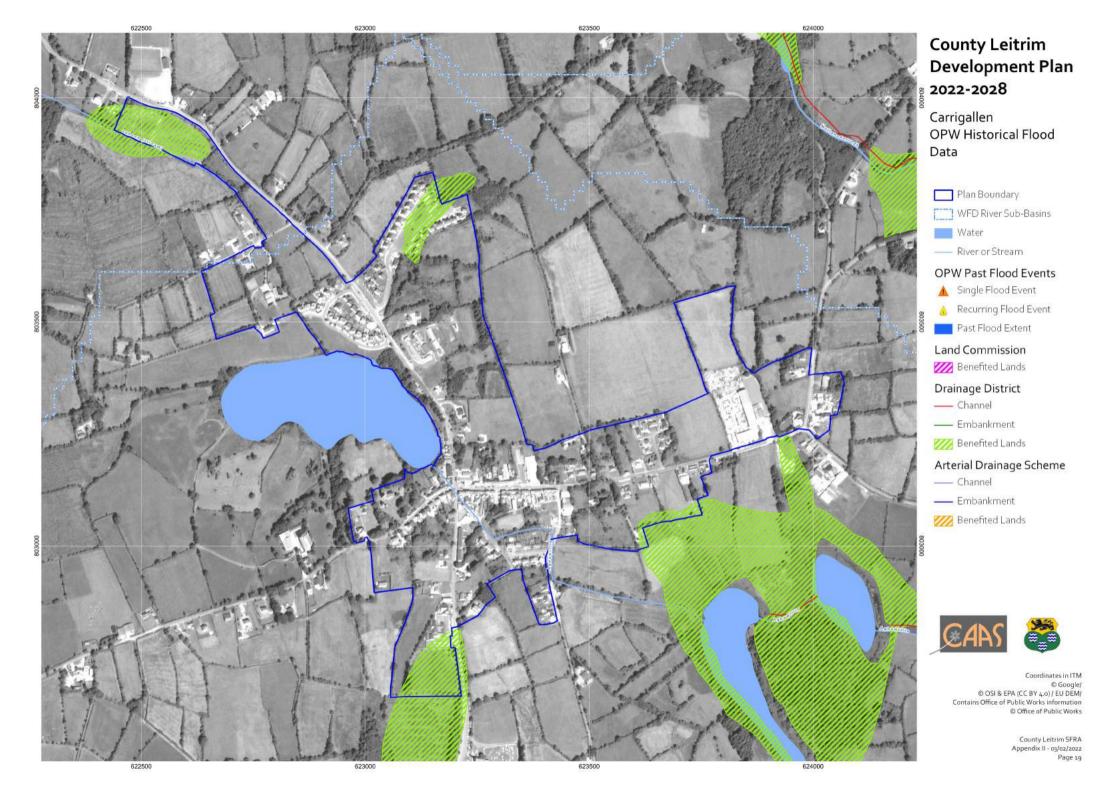


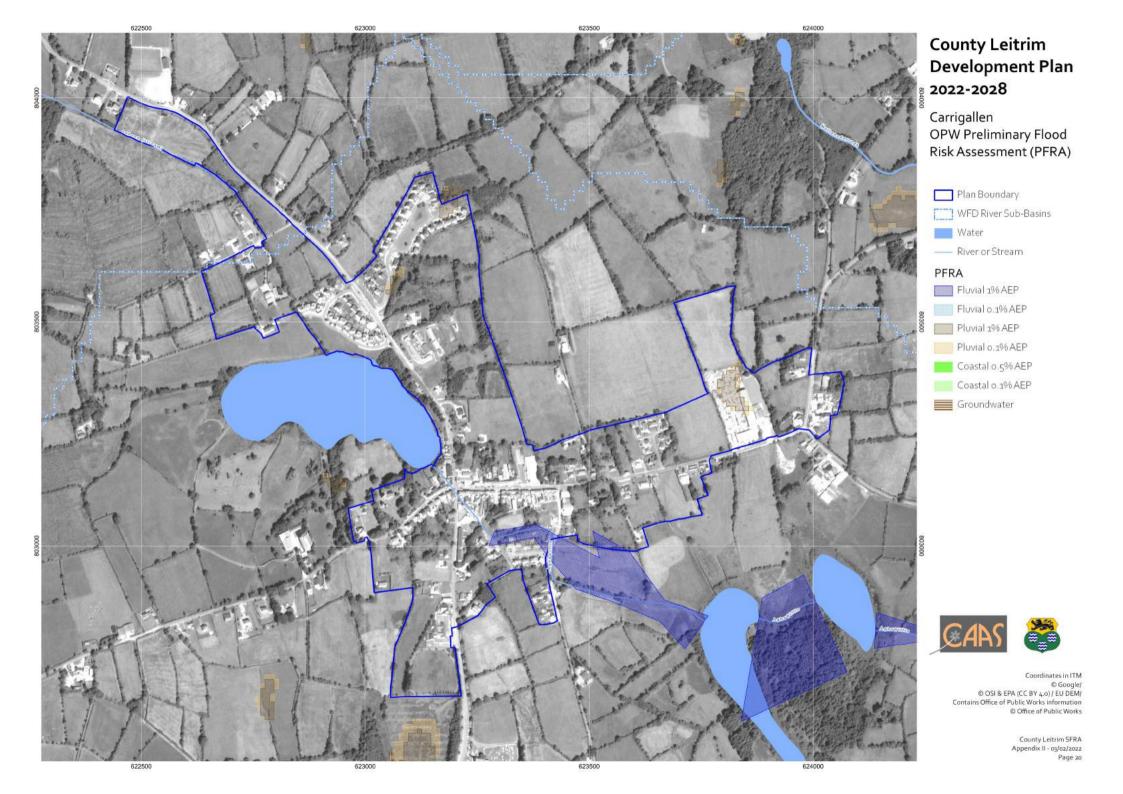


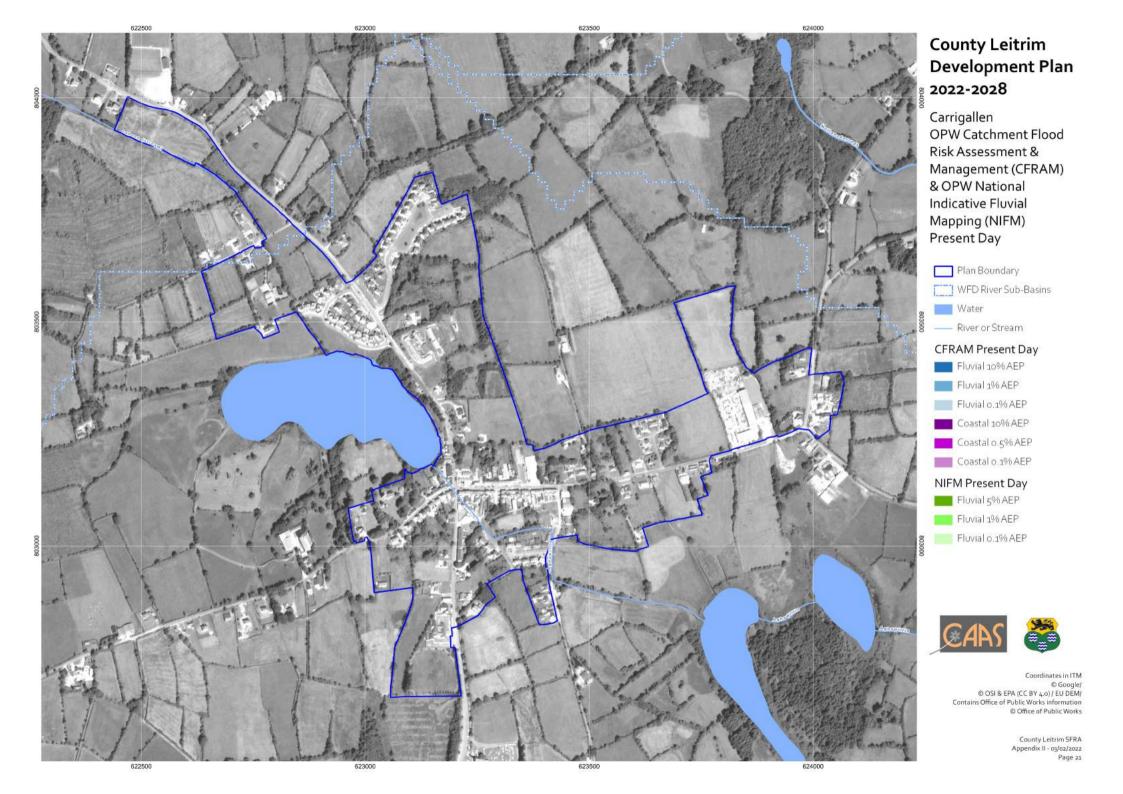


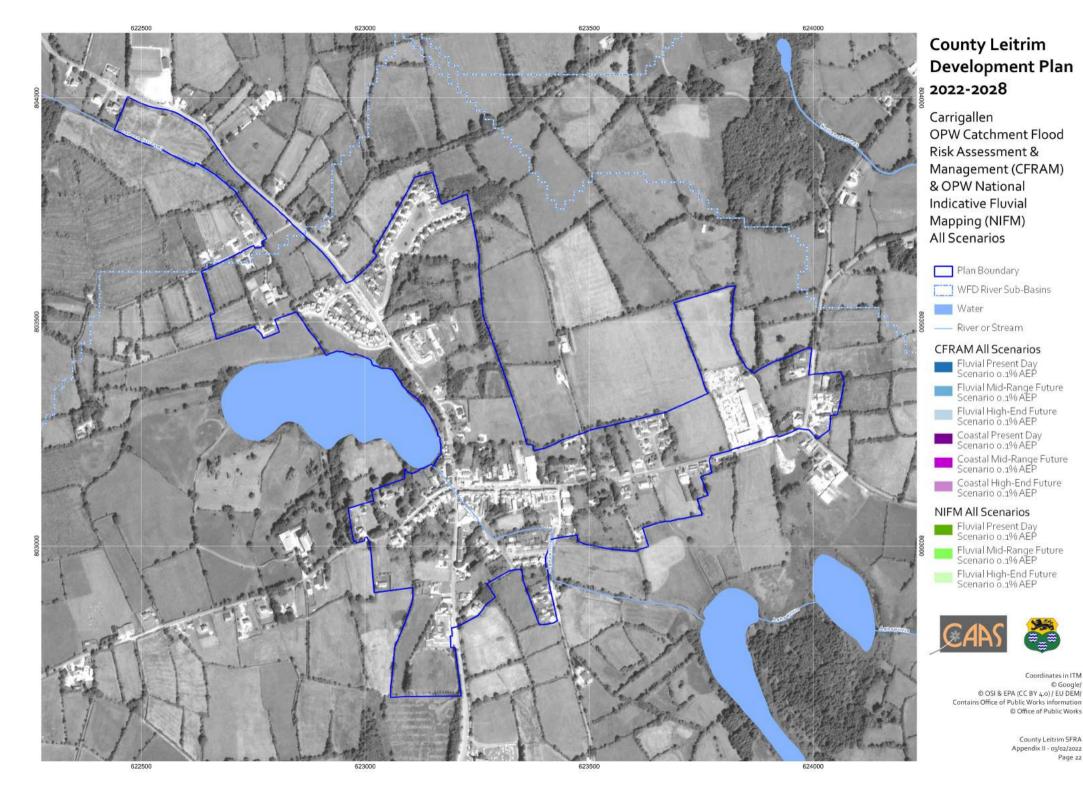








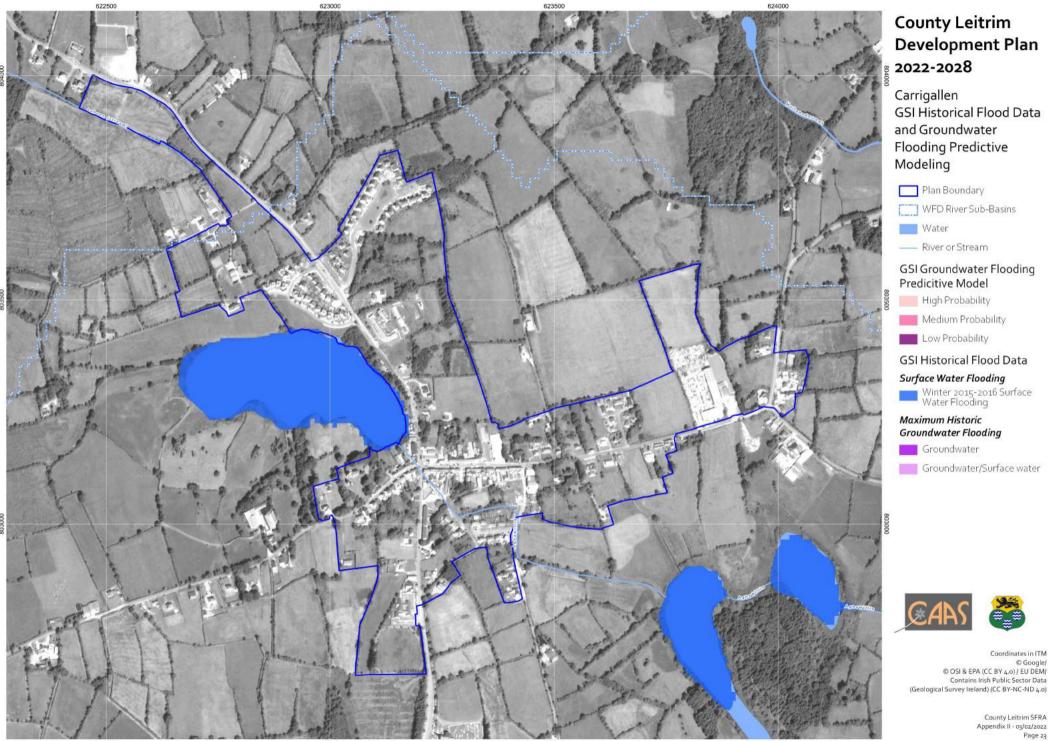


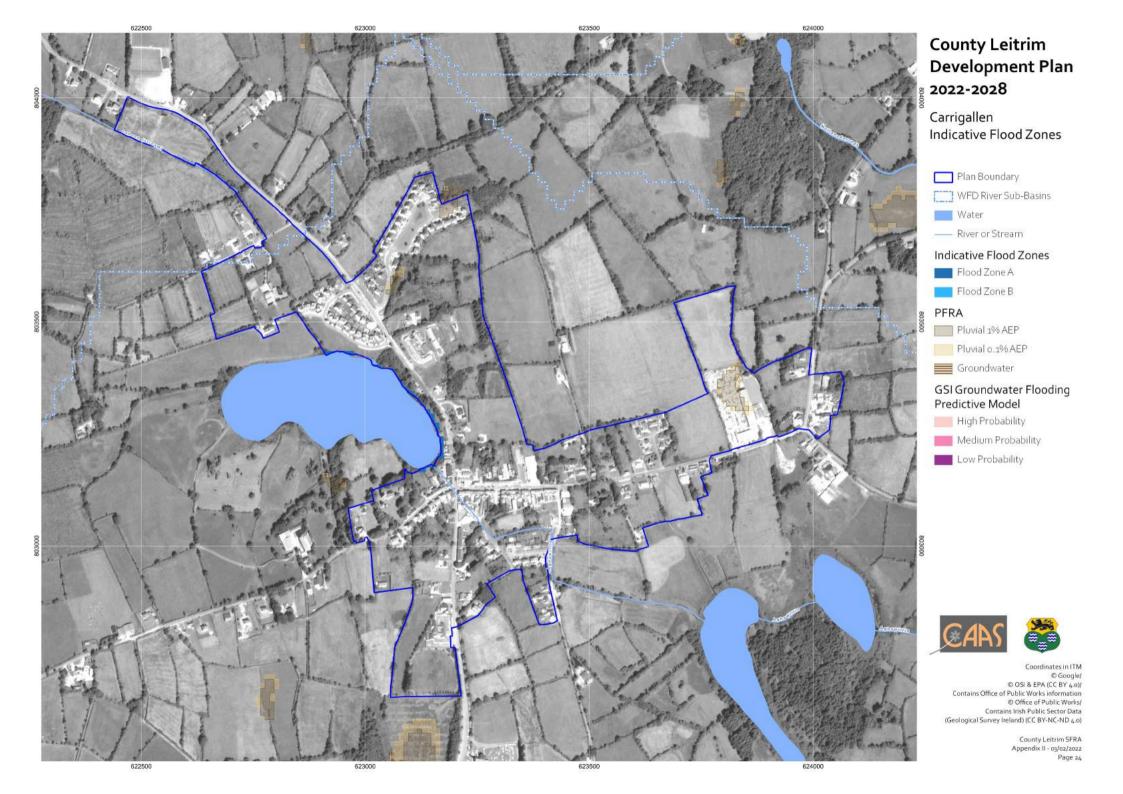


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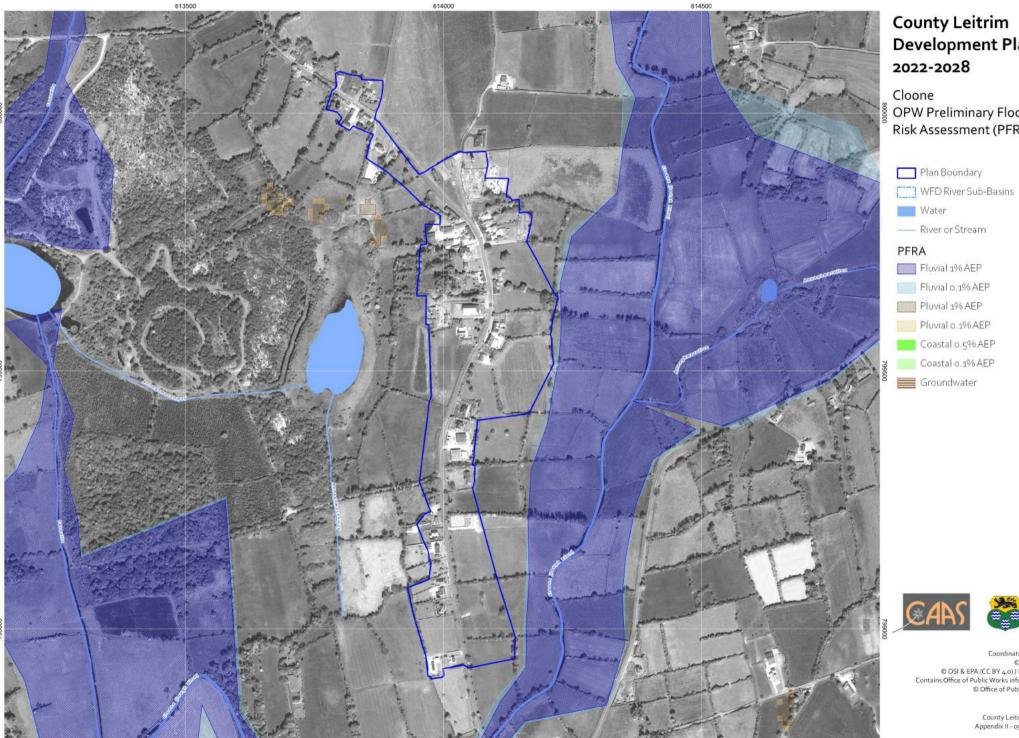
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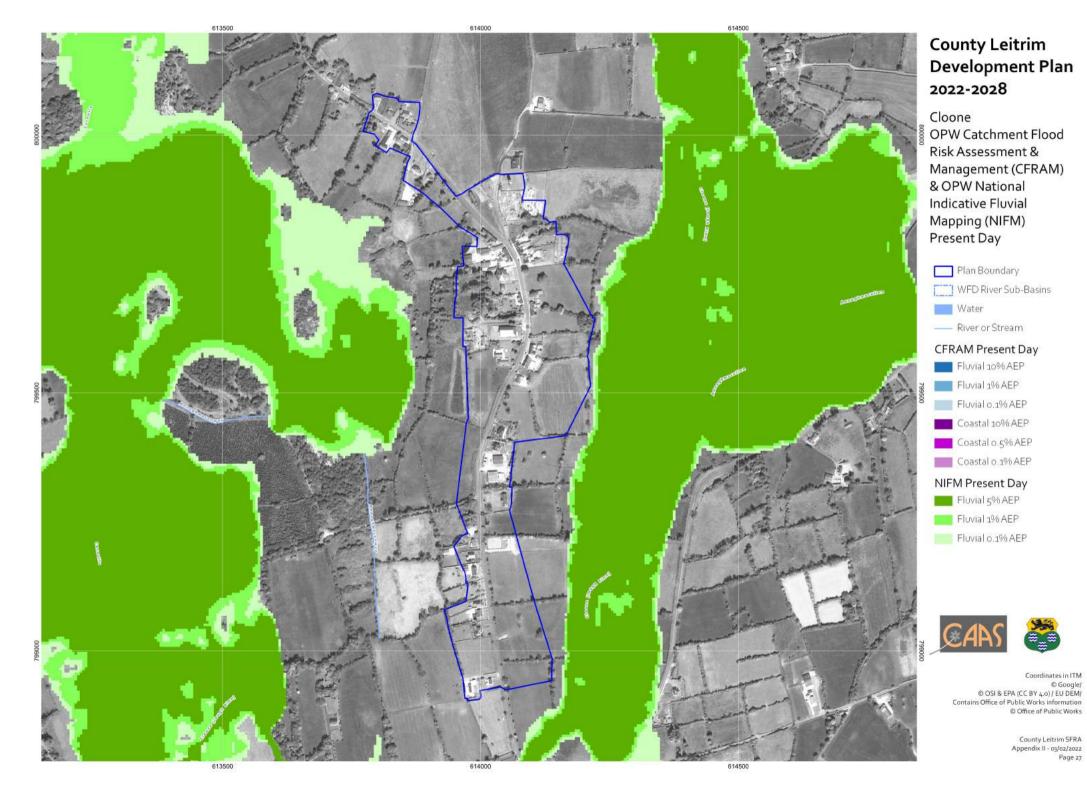




**OPW Preliminary Flood** Risk Assessment (PFRA)



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Cloone **OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

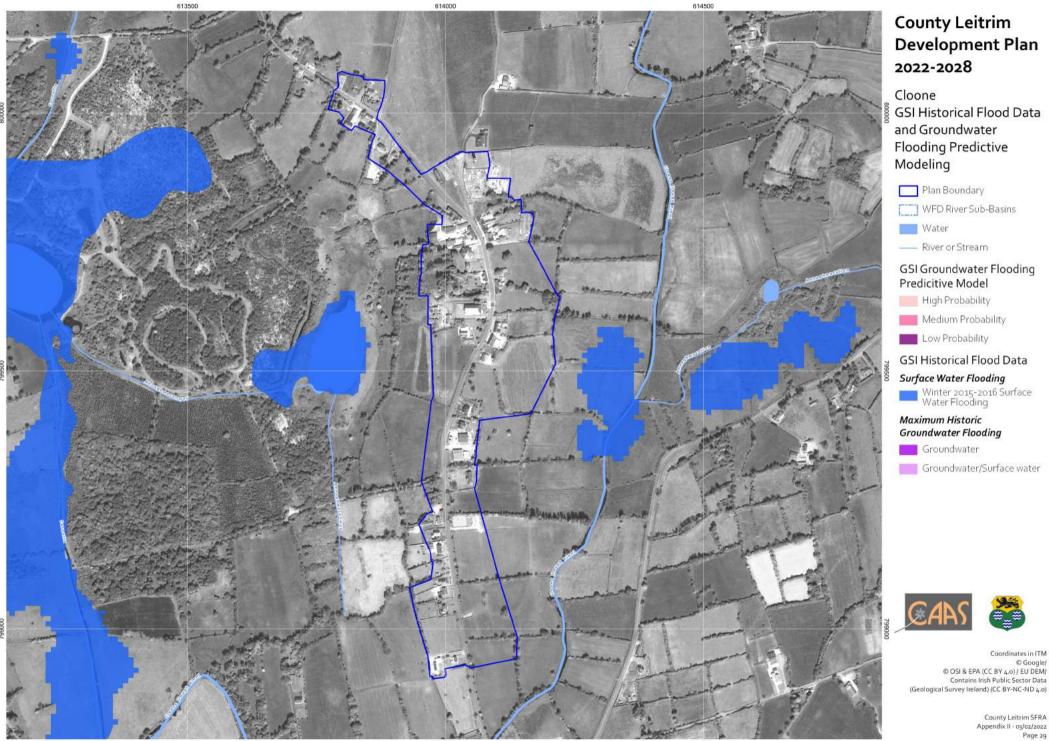
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Fluvial High-End Future Scenario 0.1% AEP



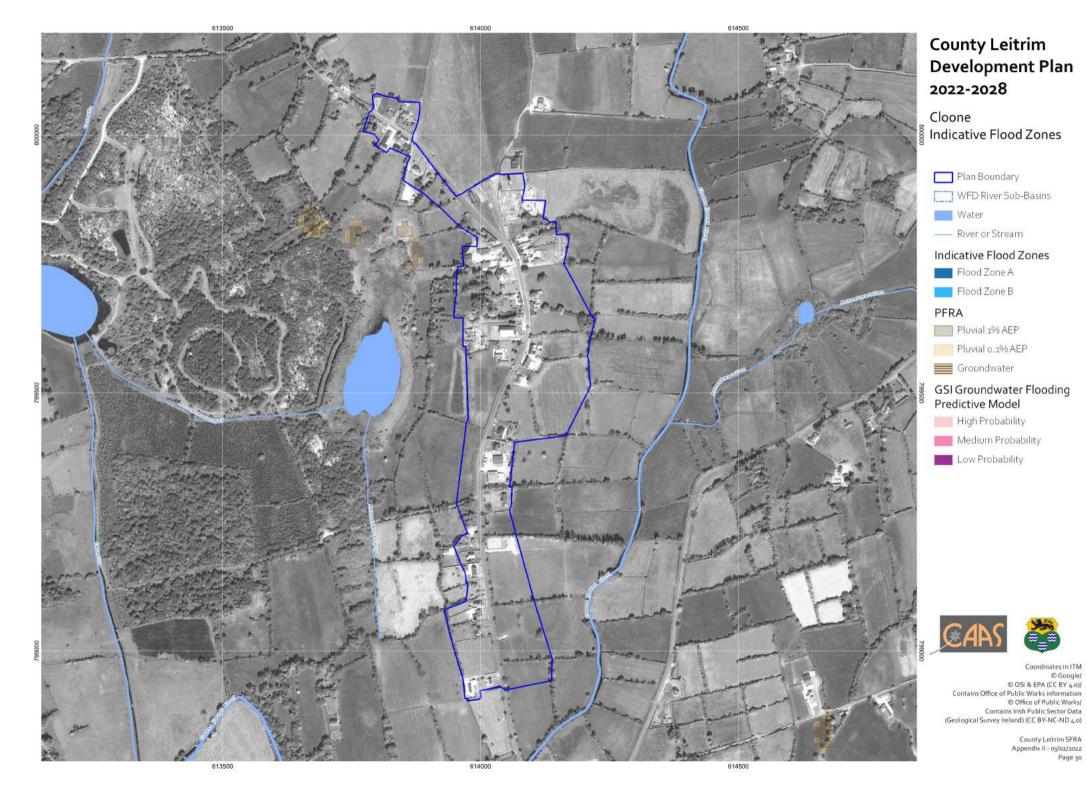


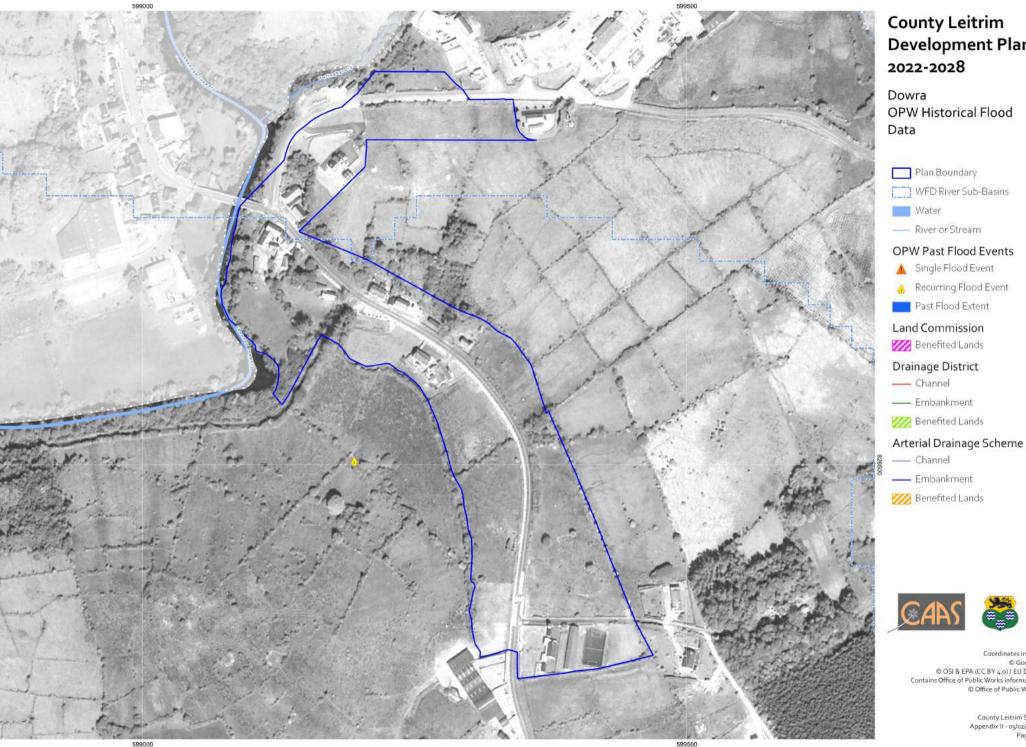
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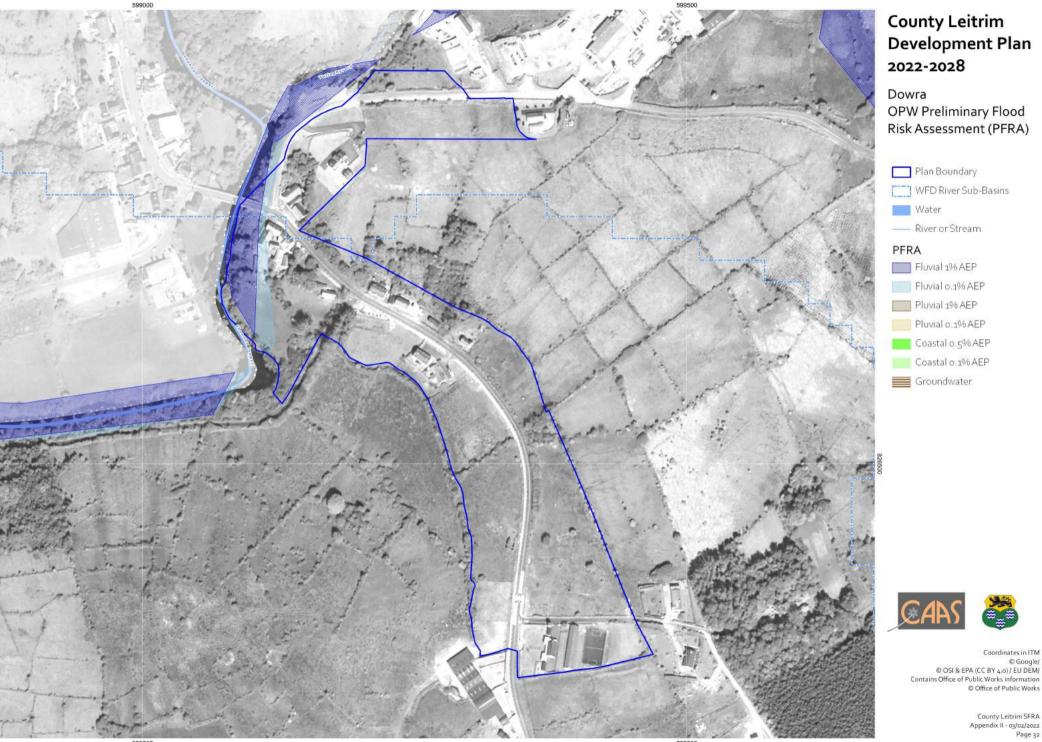
**OPW Historical Flood** 





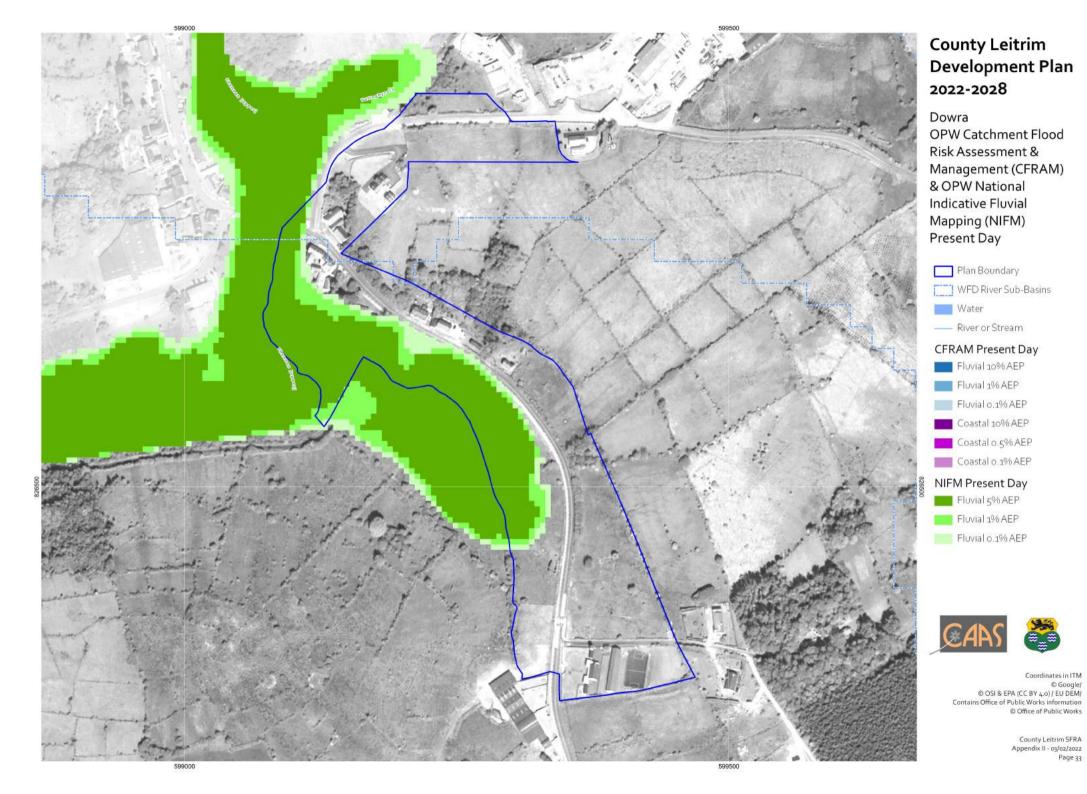


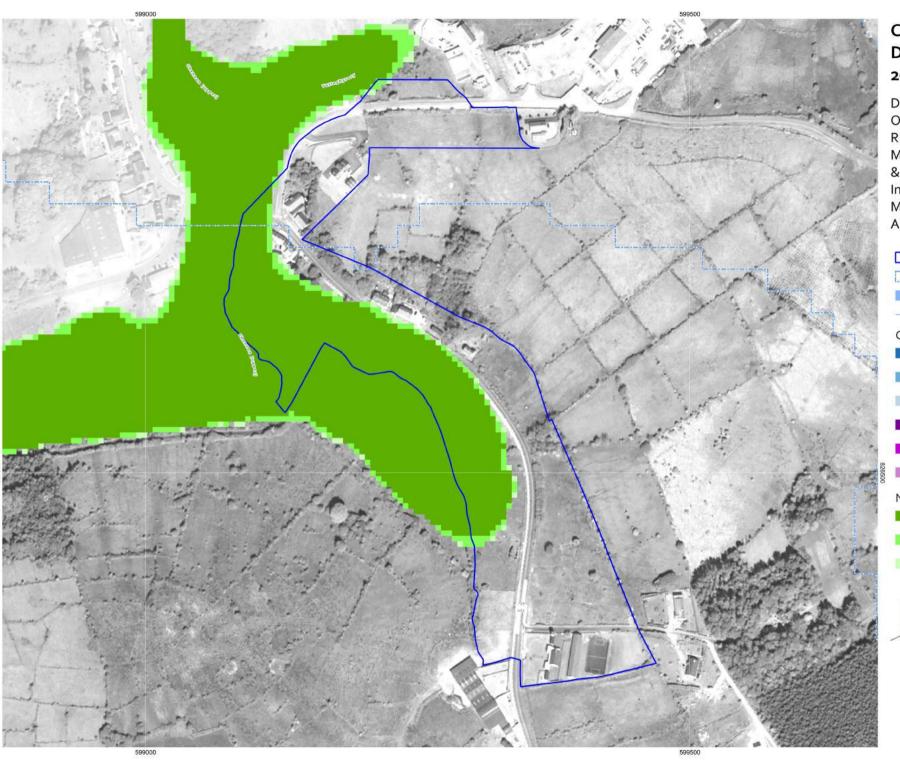
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Dowra
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios







- River or Stream

## CFRAM All Scenarios





Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

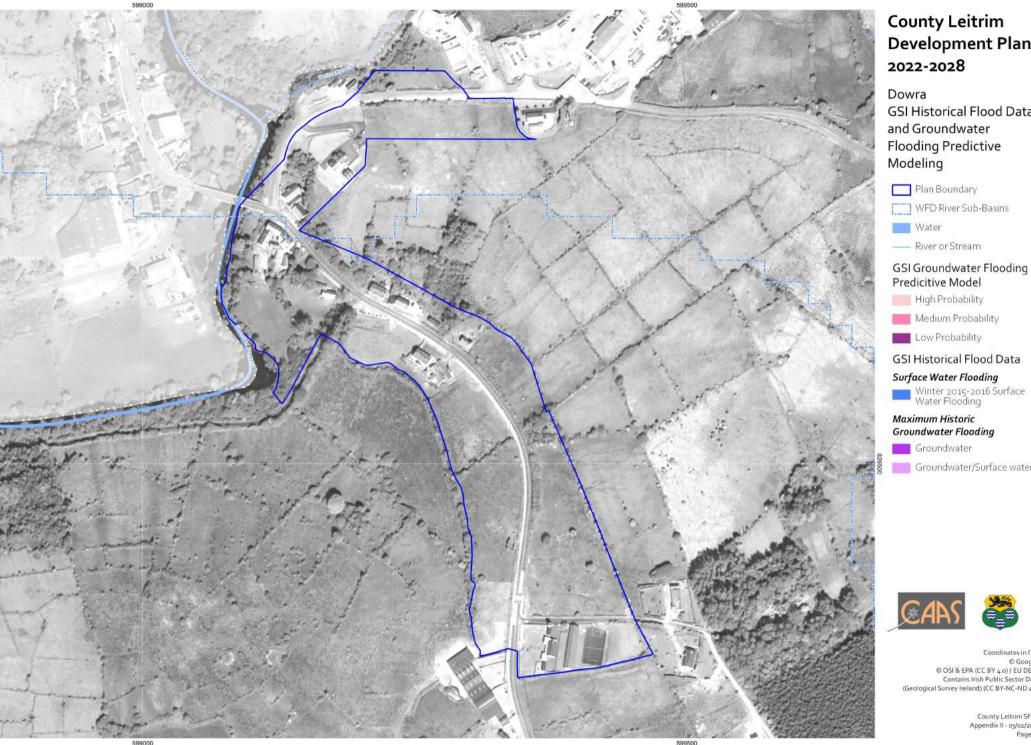
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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GSI Historical Flood Data Flooding Predictive

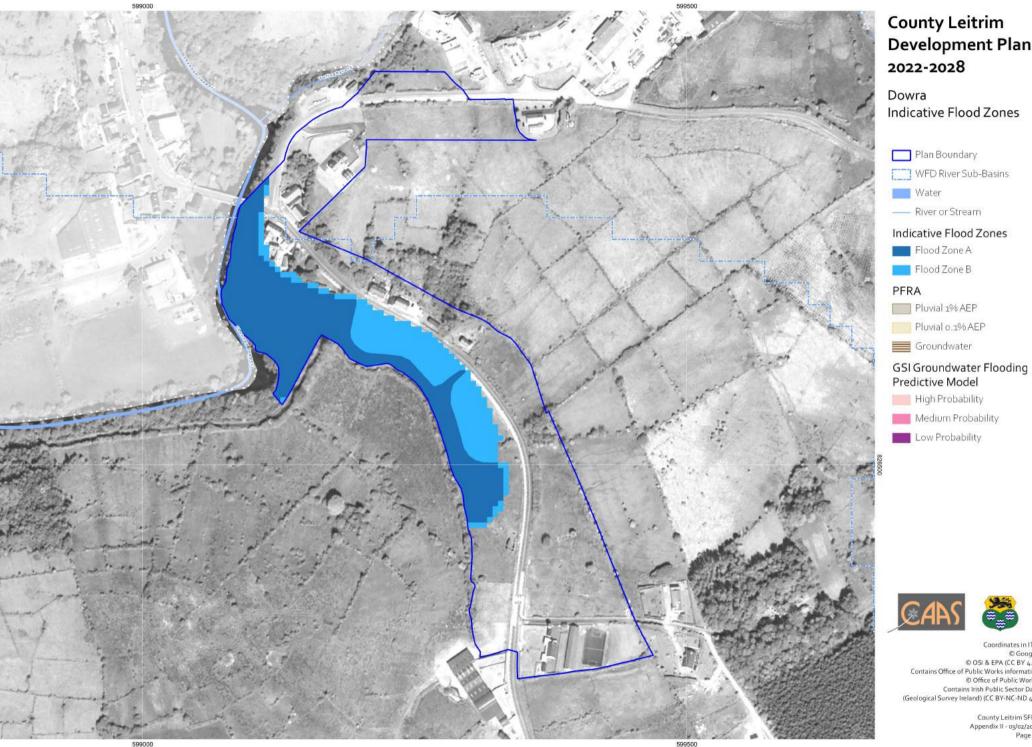


# GSI Groundwater Flooding





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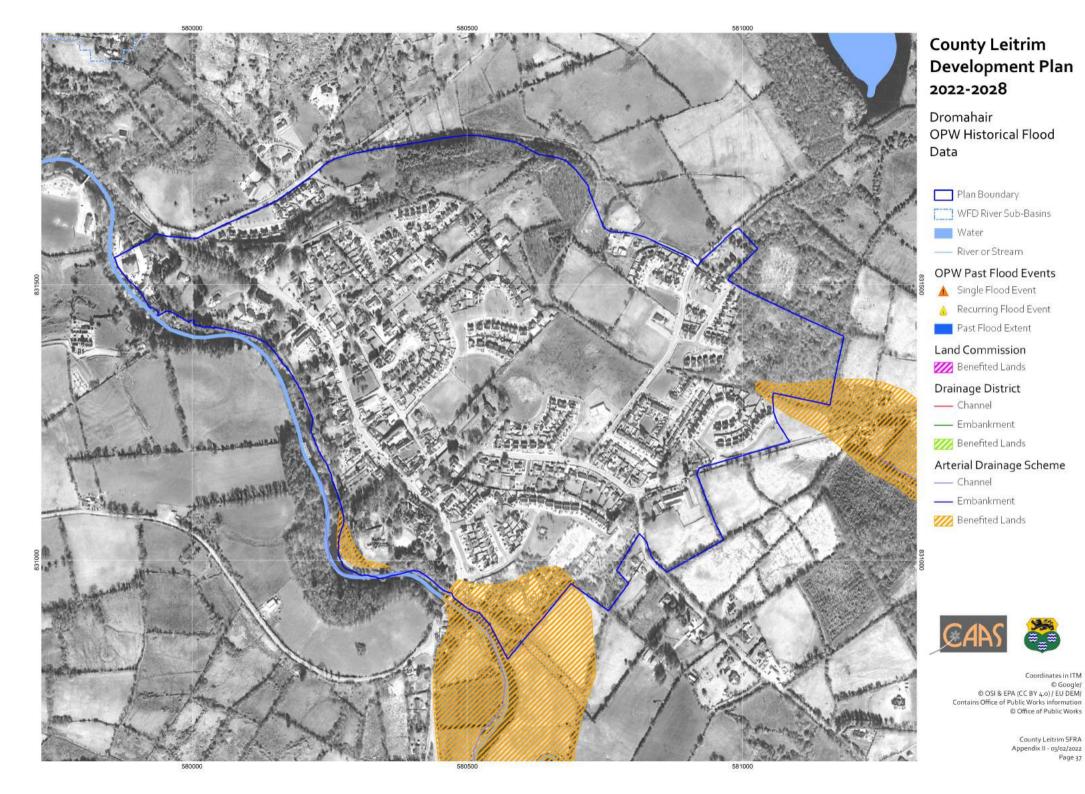


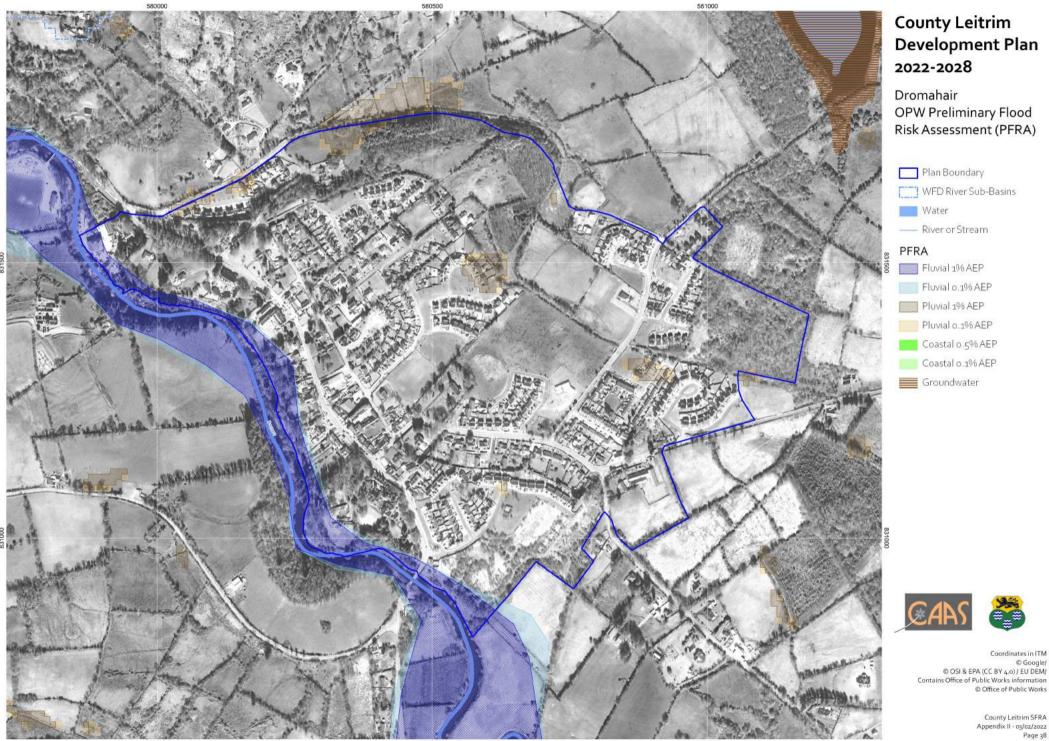
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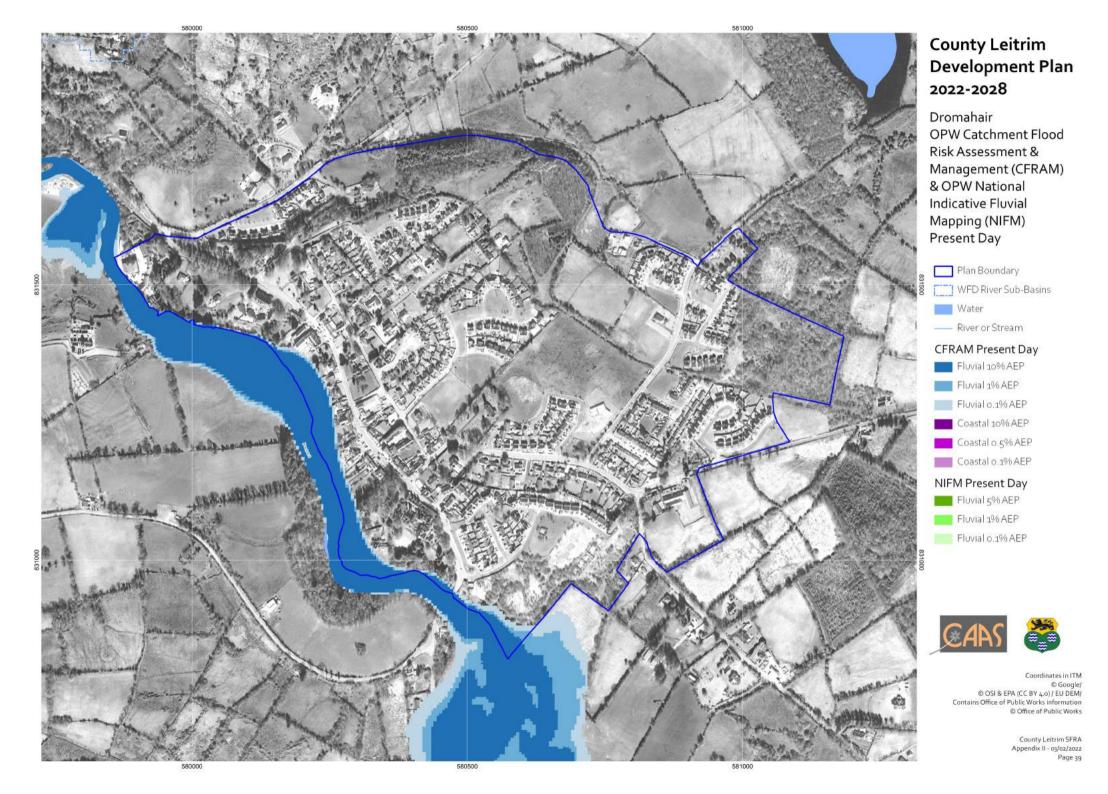
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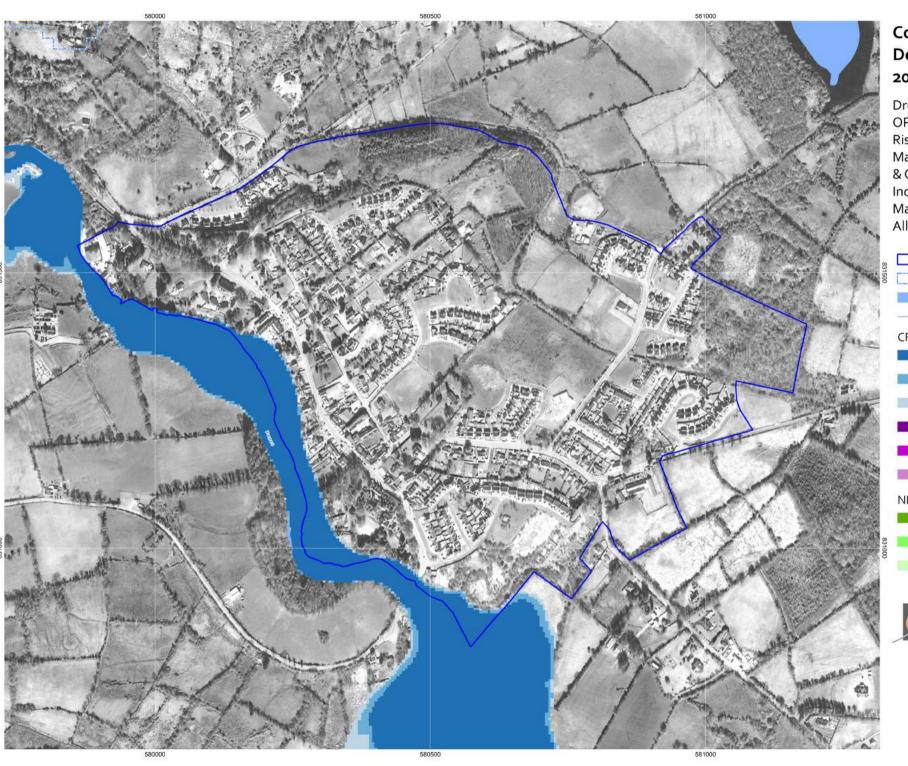


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# **County Leitrim Development Plan** 2022-2028

Dromahair **OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

— River or Stream

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Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

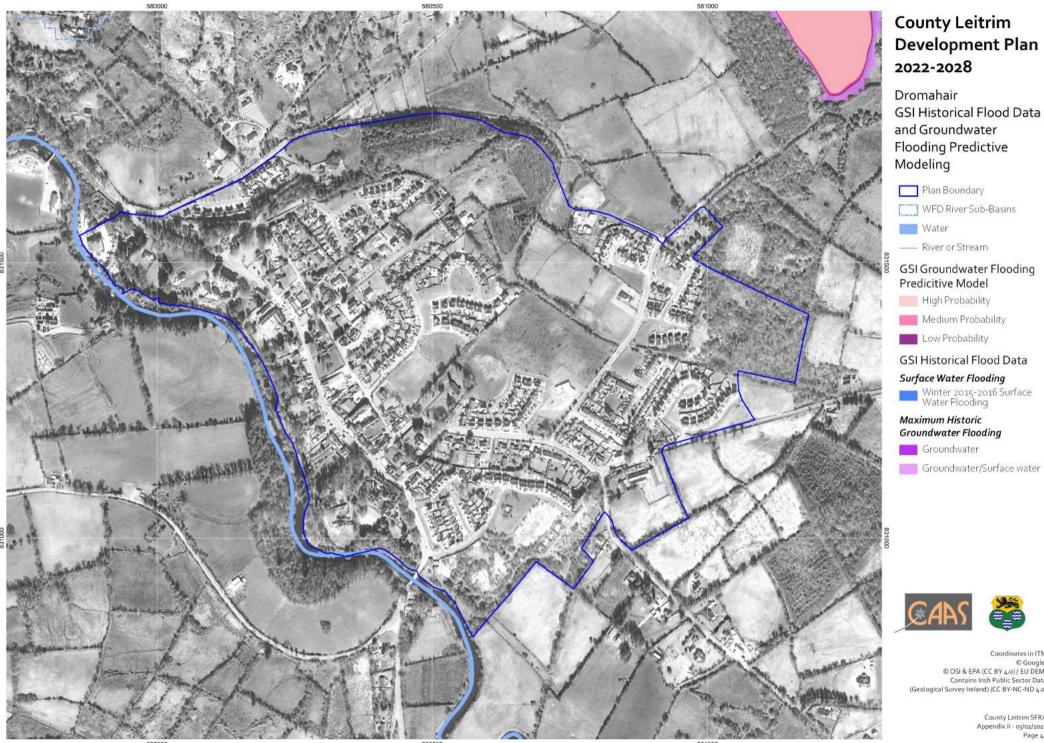
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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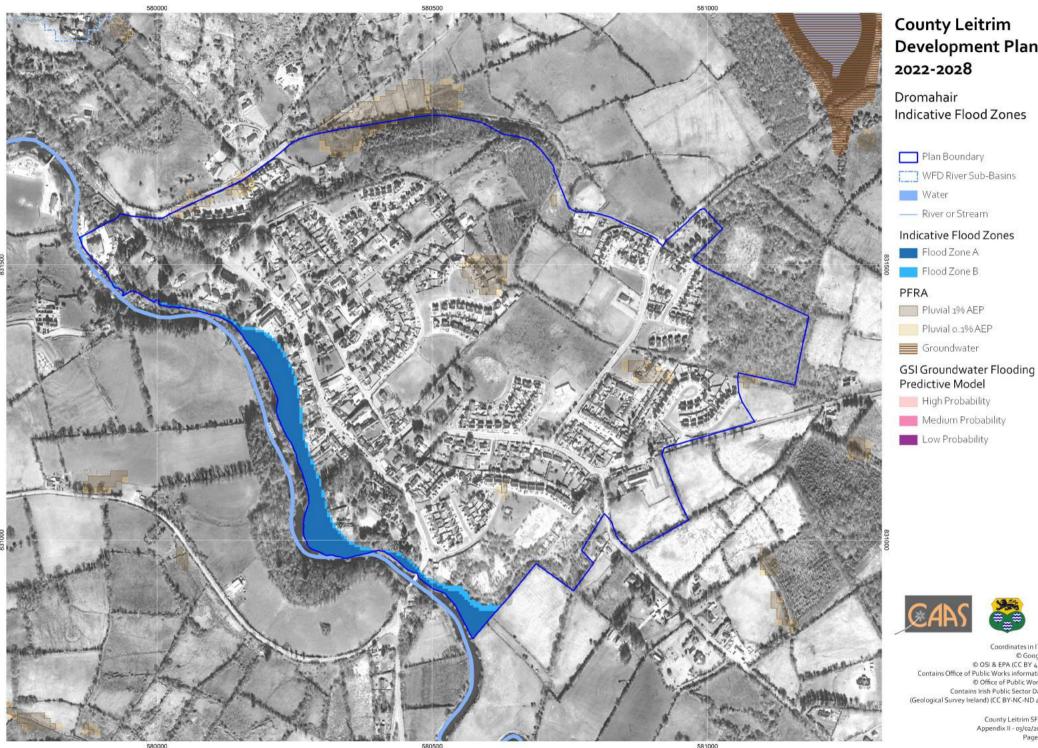


GSI Historical Flood Data

# GSI Groundwater Flooding

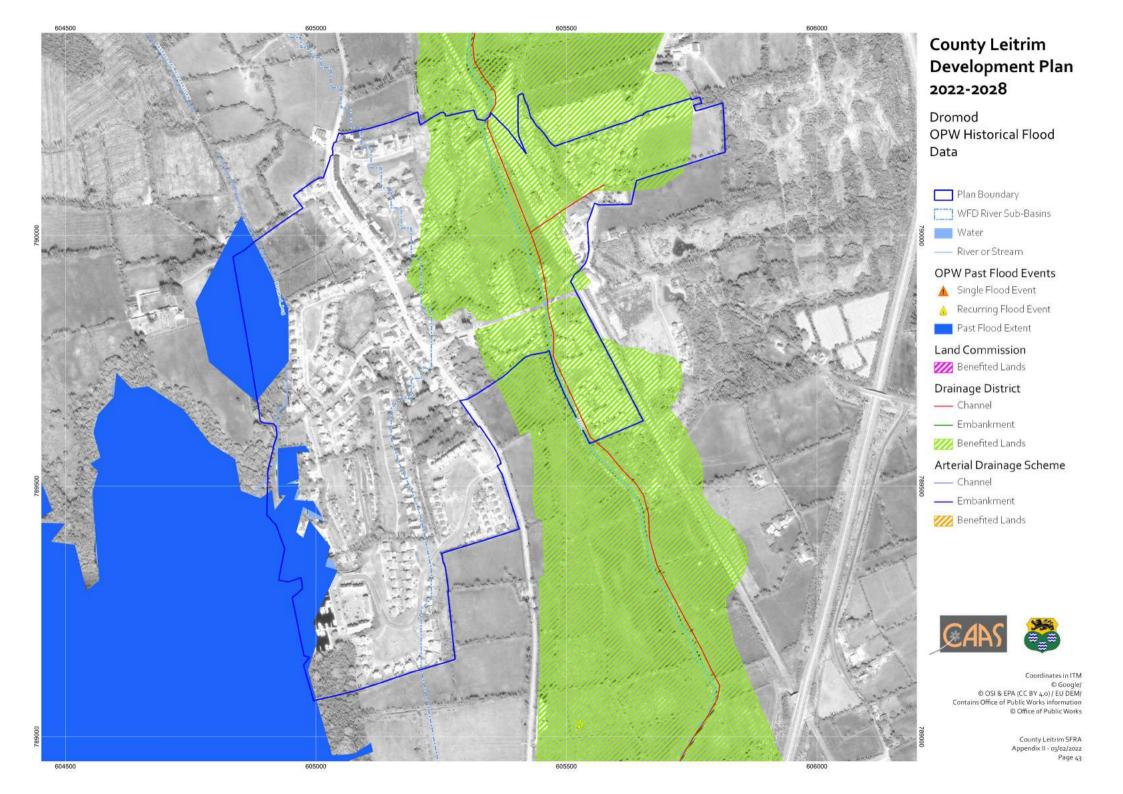


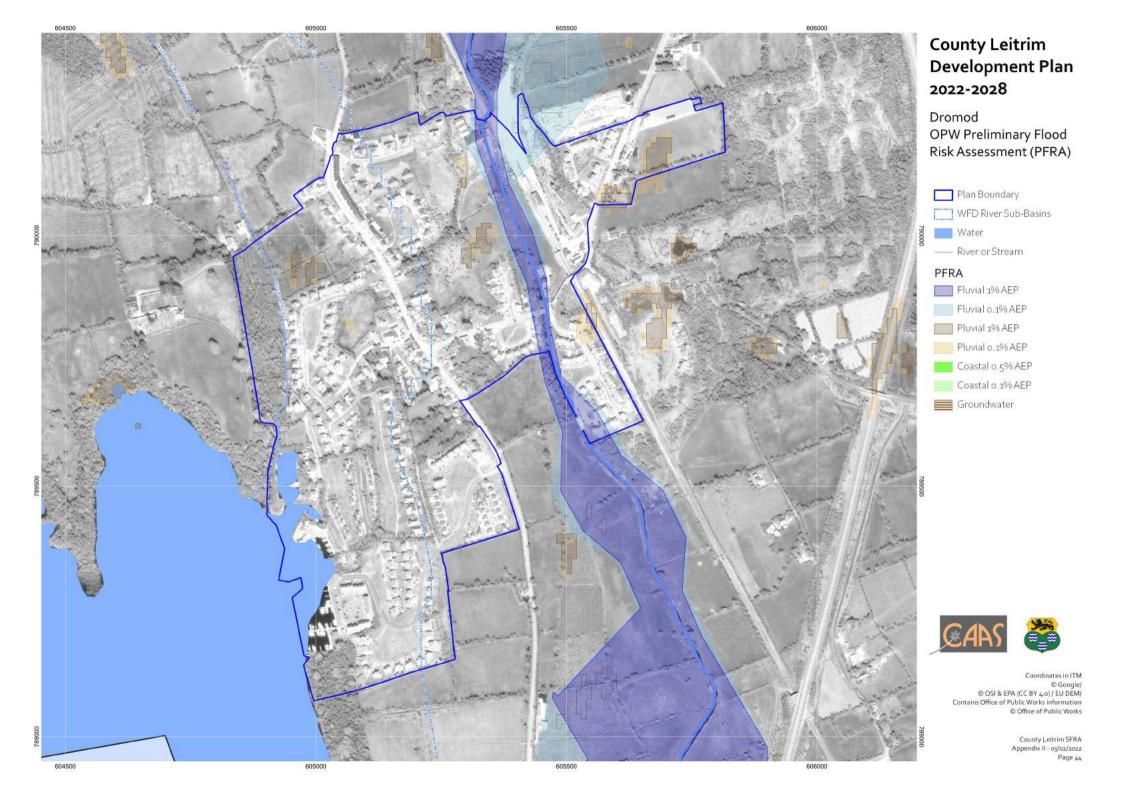
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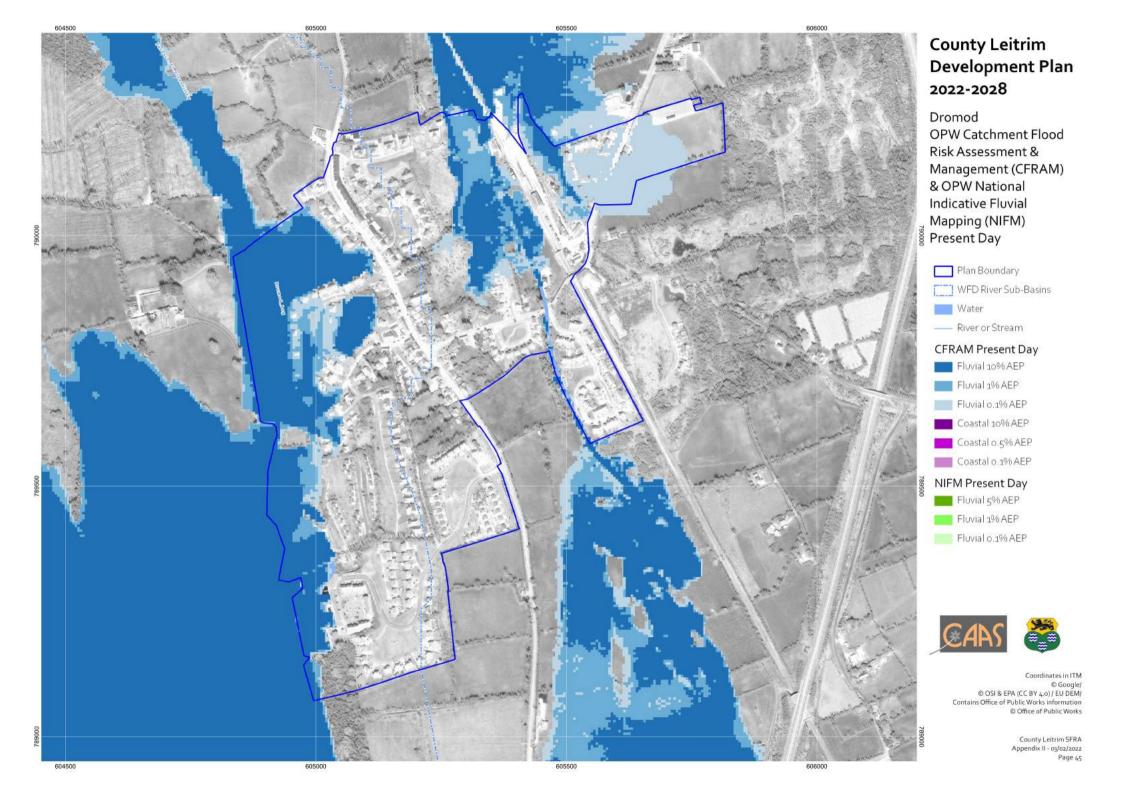


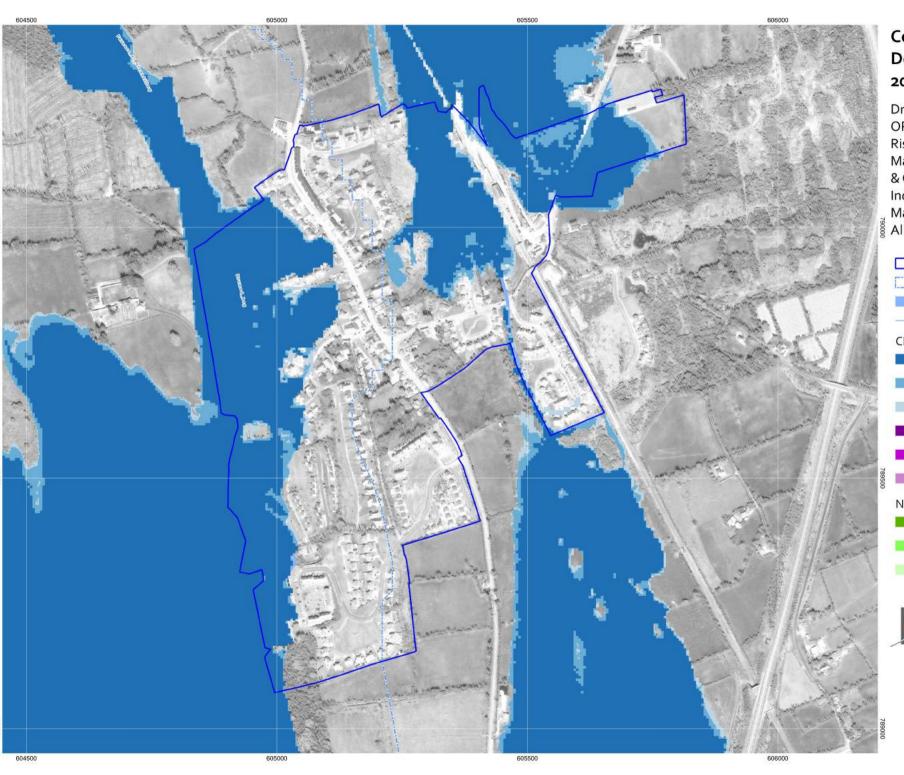


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# **County Leitrim Development Plan** 2022-2028

Dromod **OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

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Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

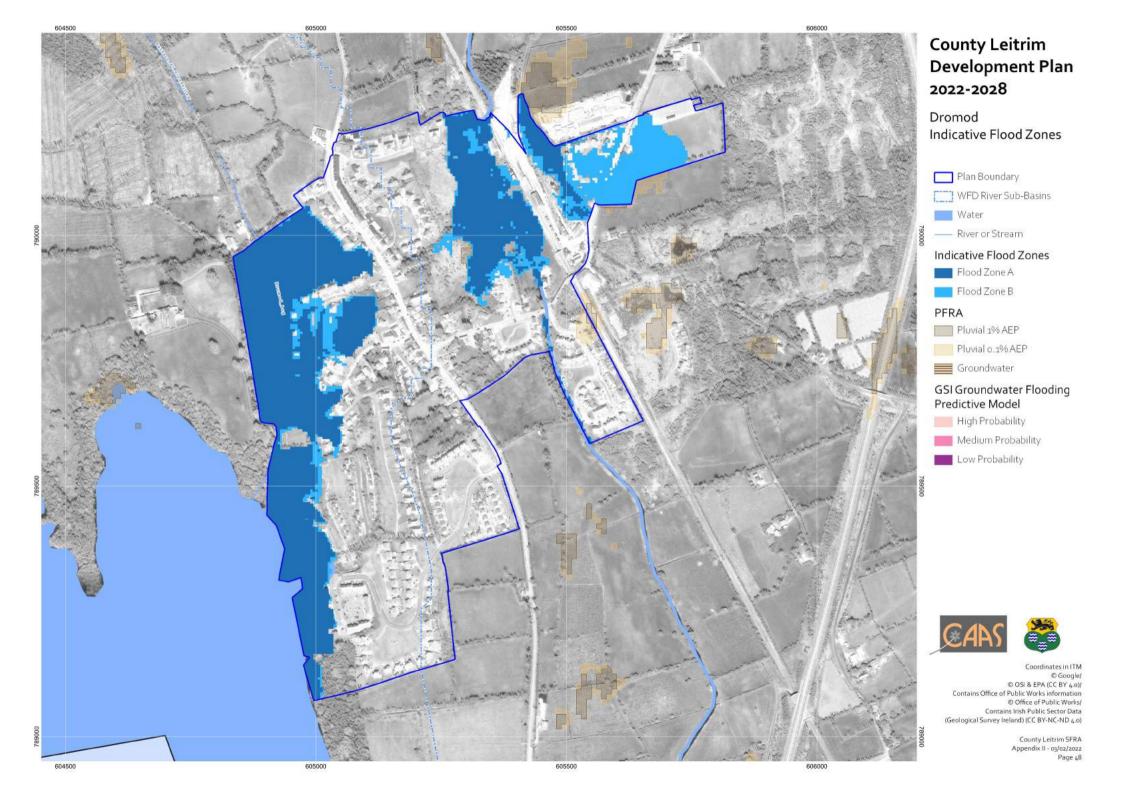
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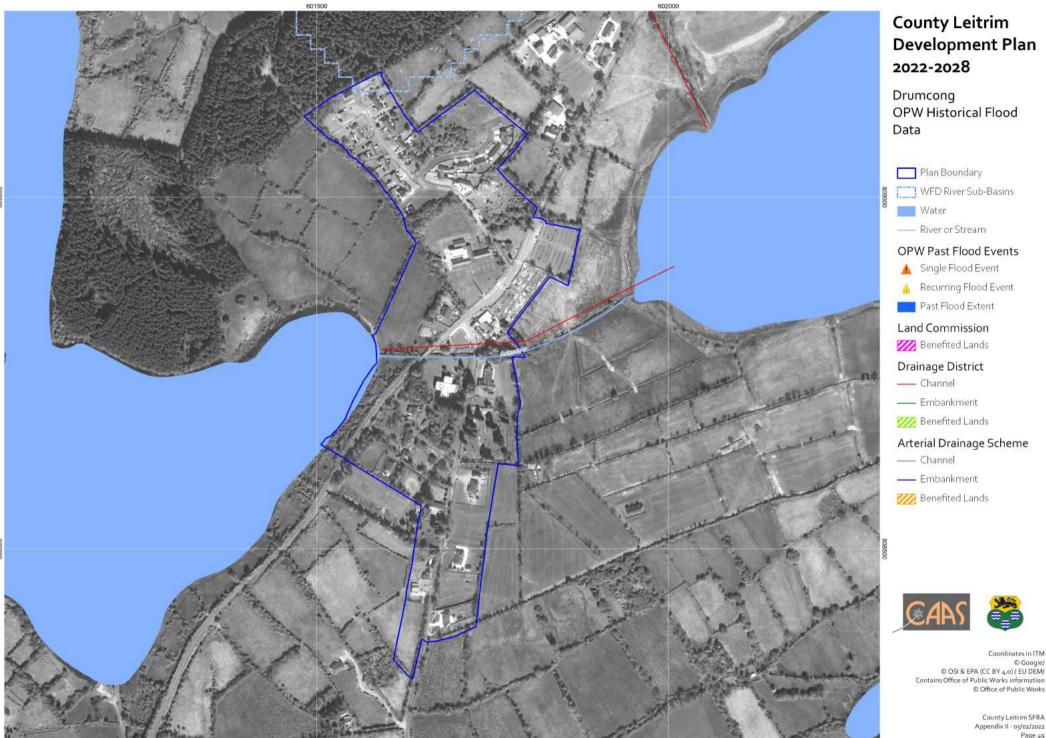


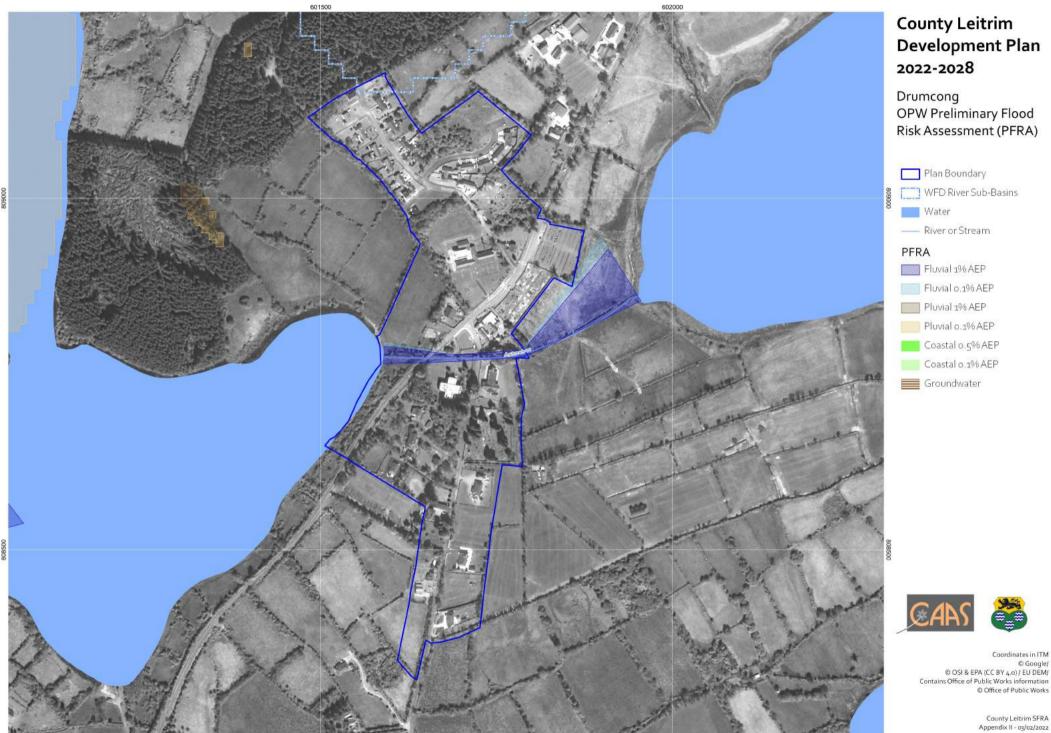


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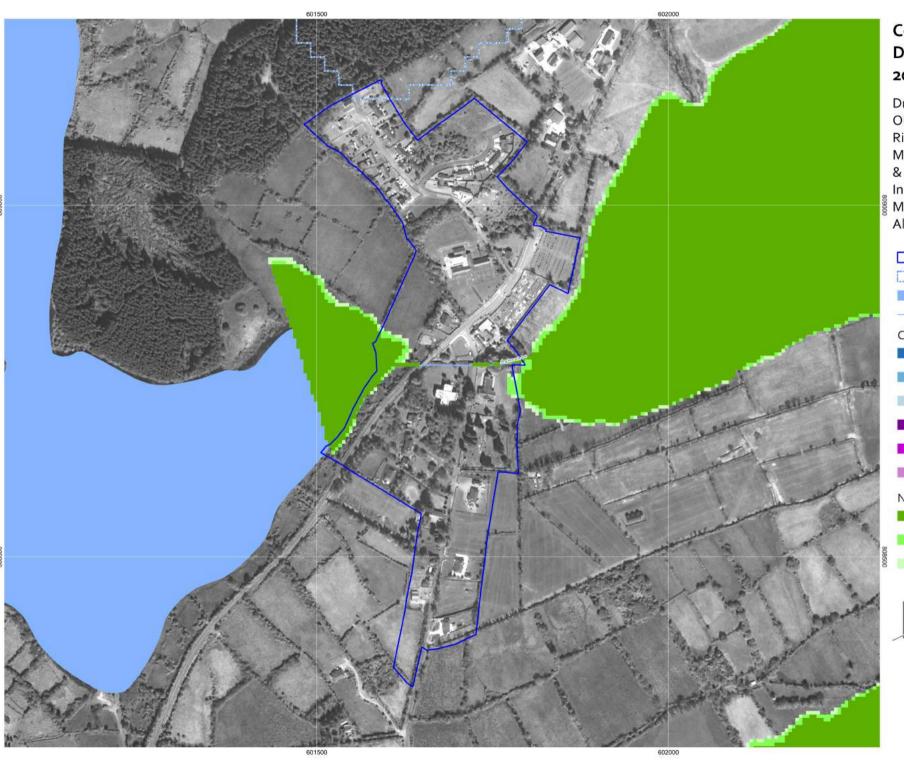


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# **County Leitrim Development Plan** 2022-2028

Drumcong **OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

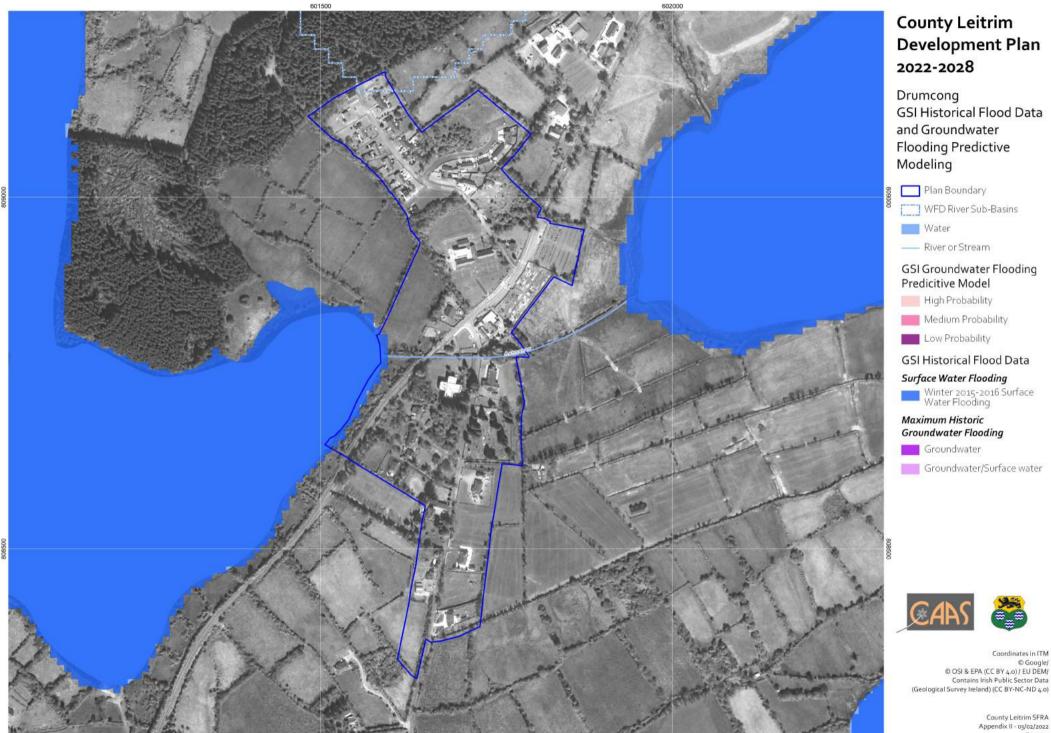
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Fluvial High-End Future Scenario 0.1% AEP



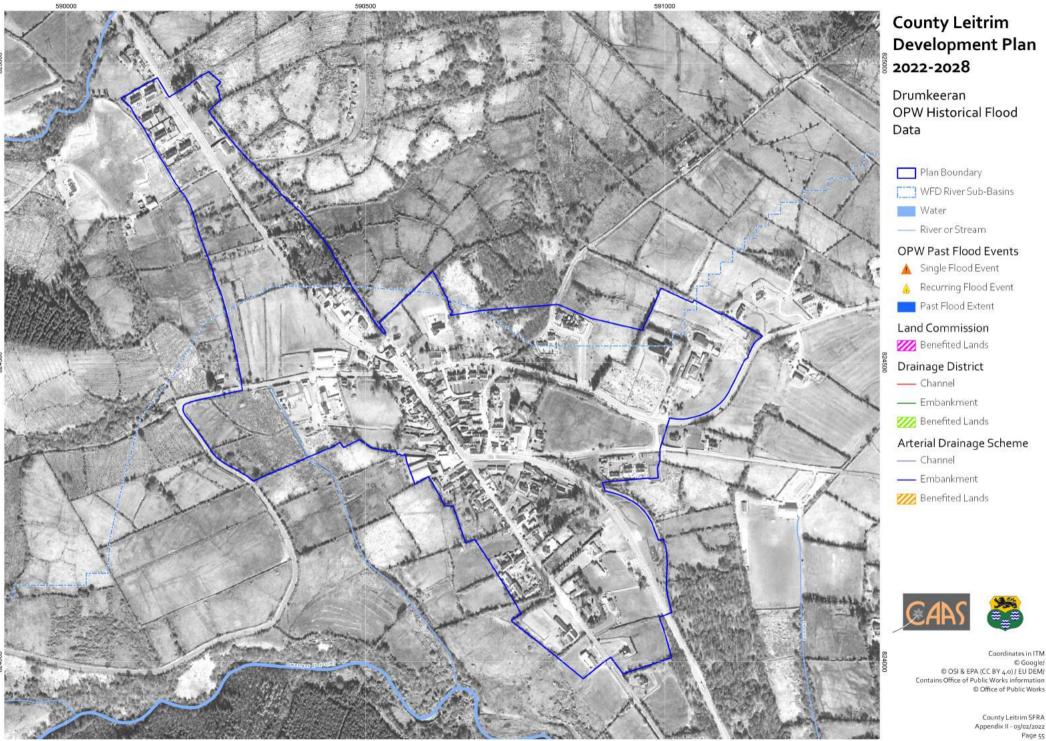


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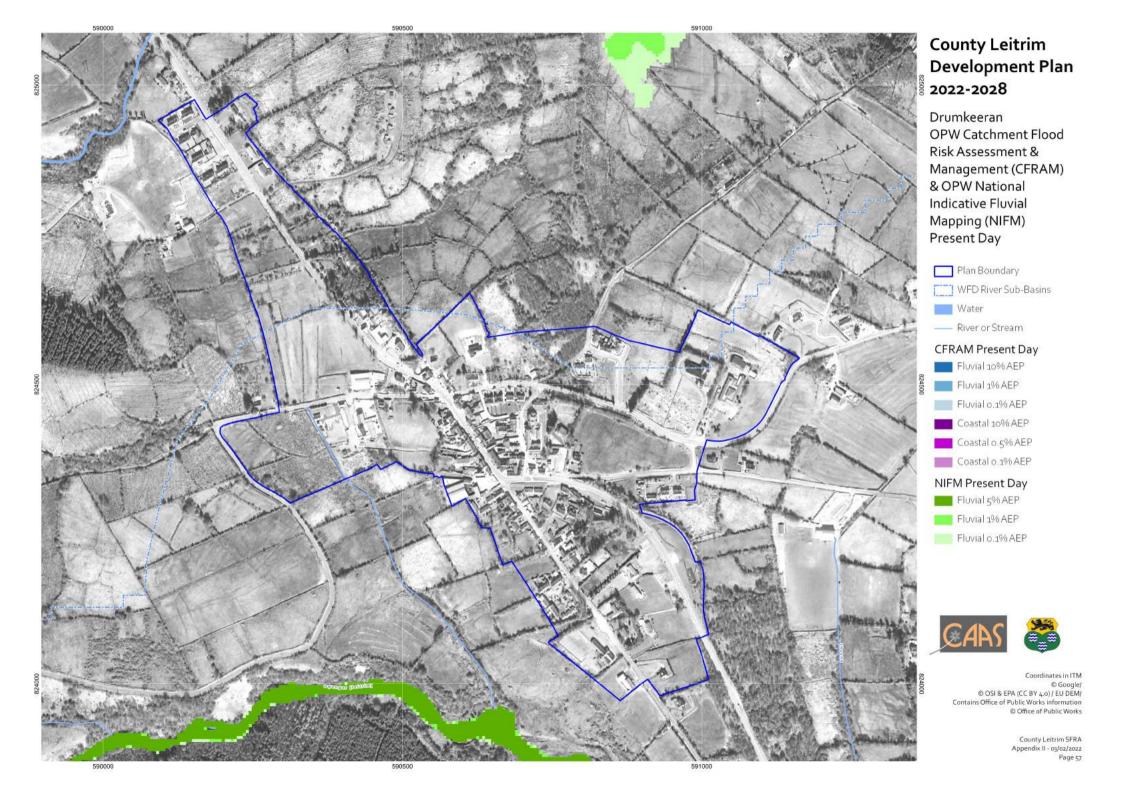


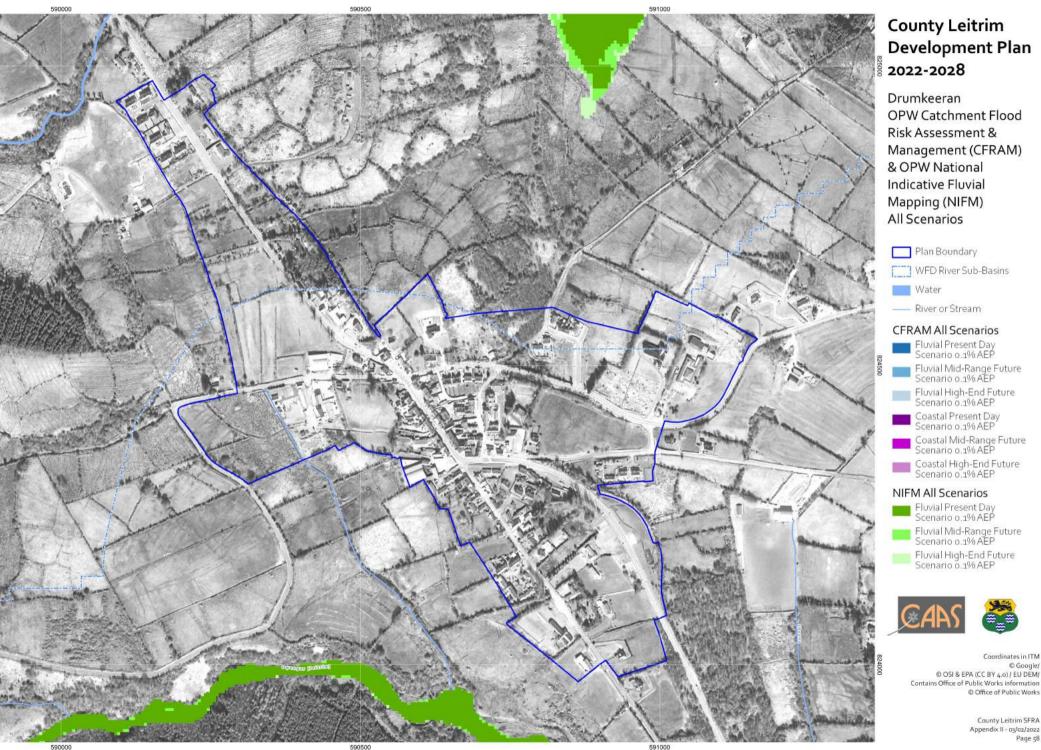
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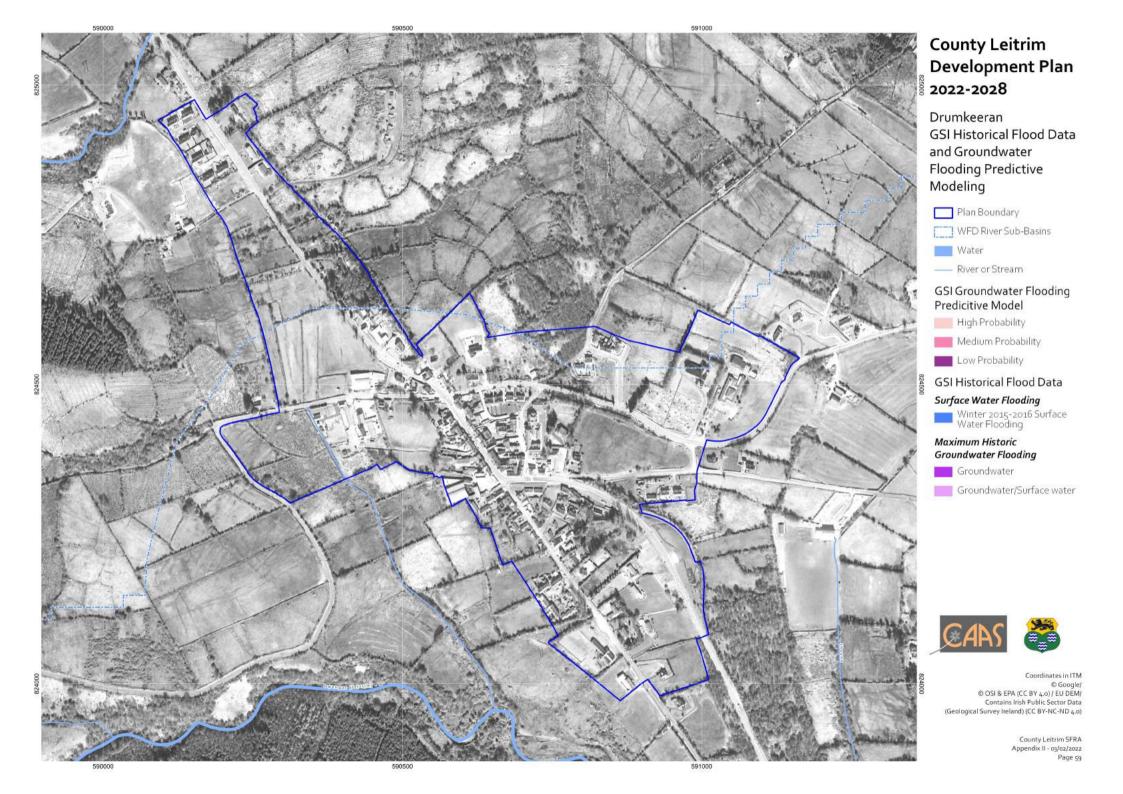


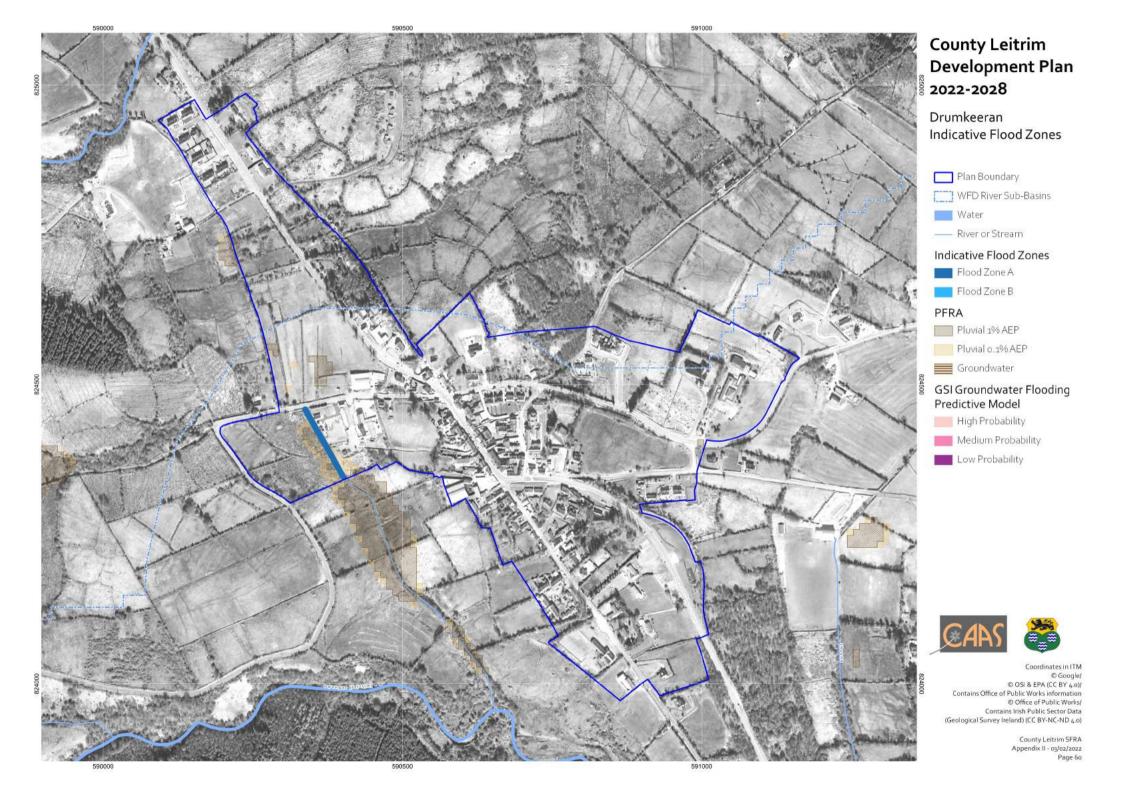


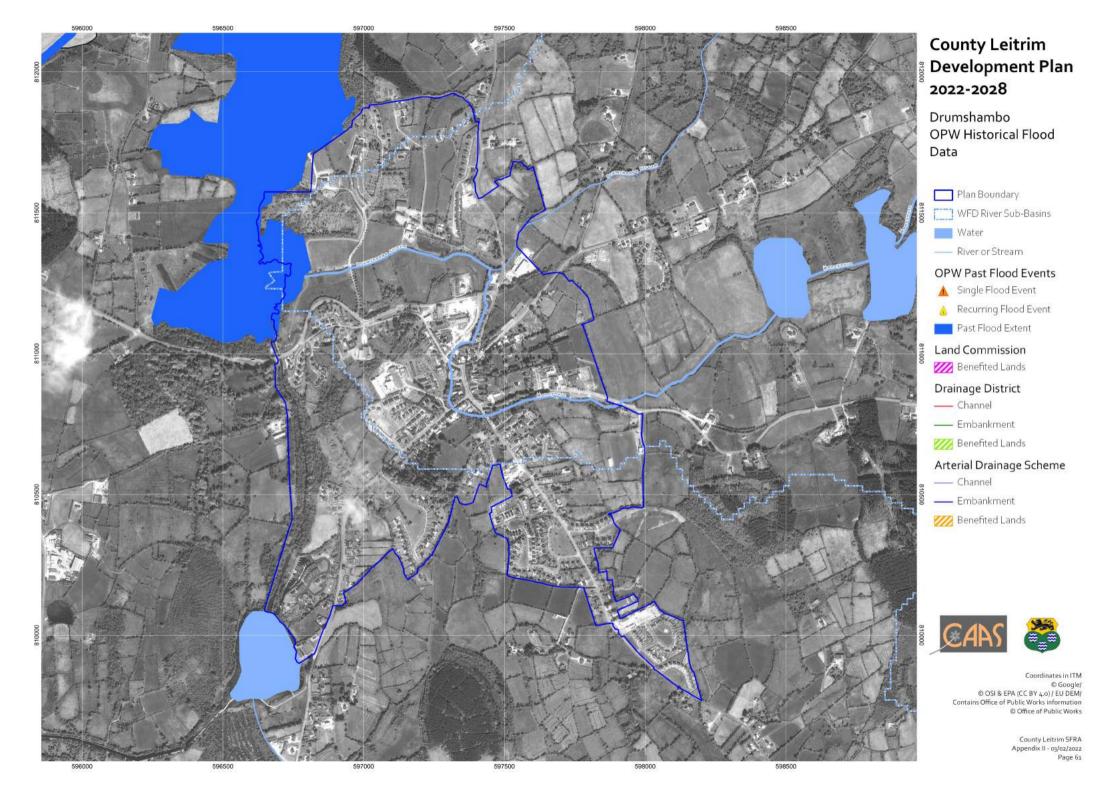


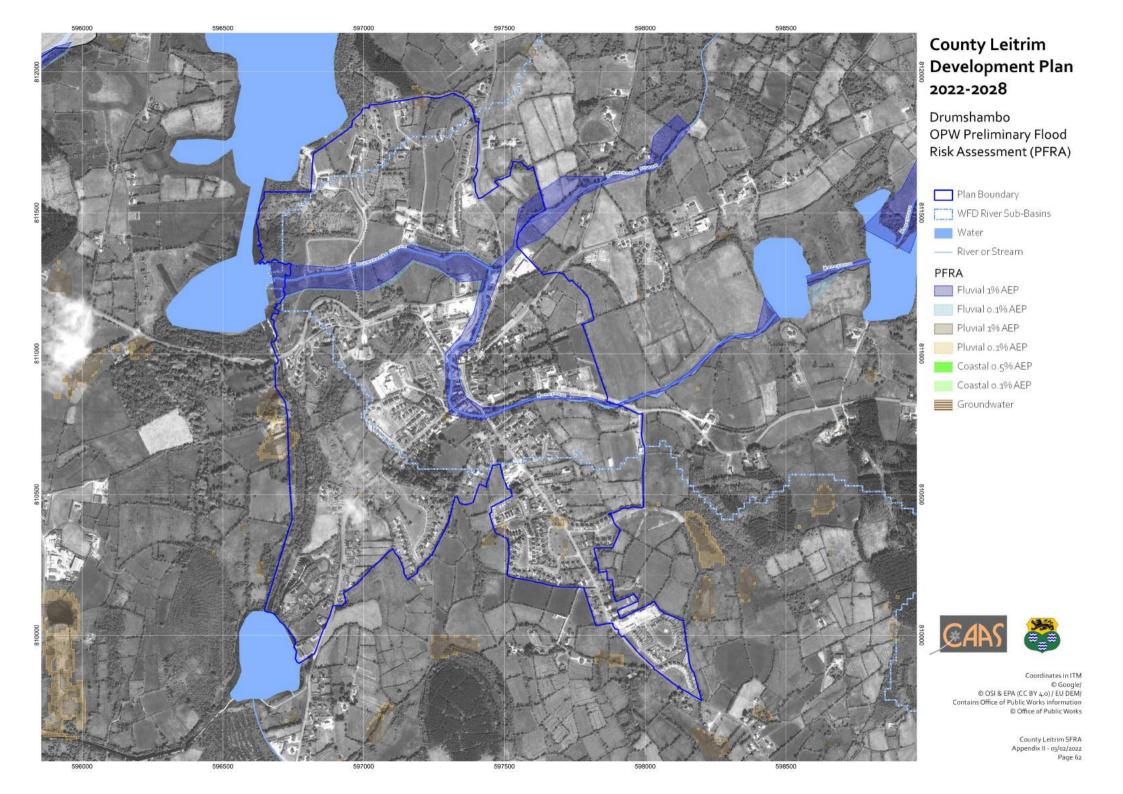


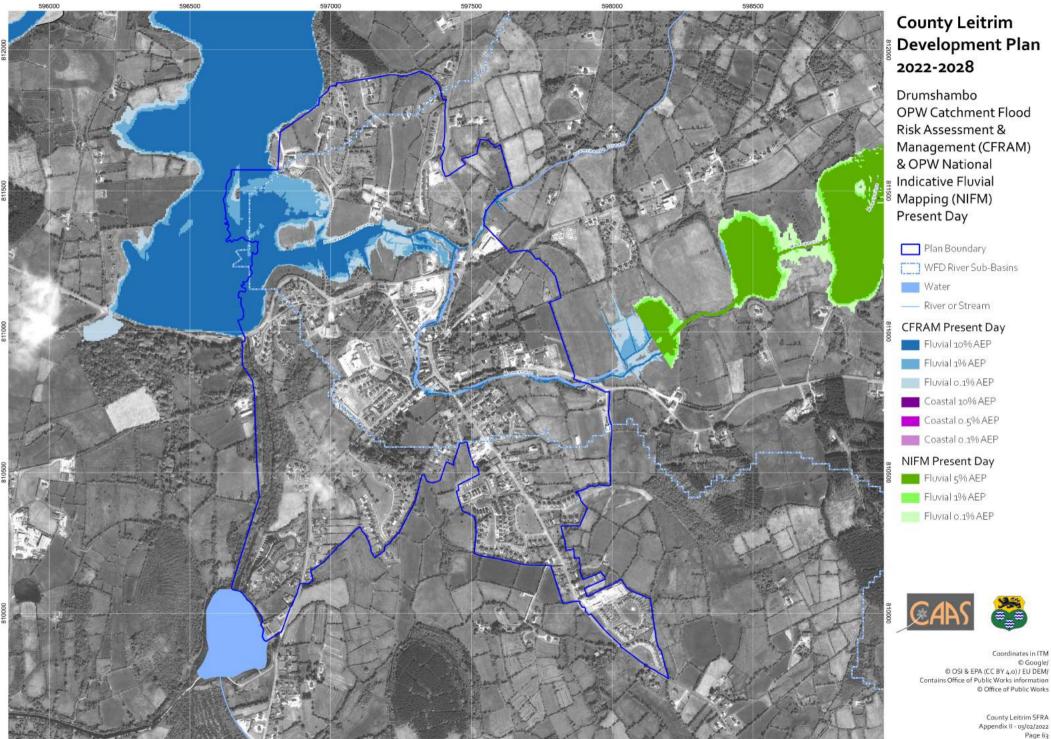
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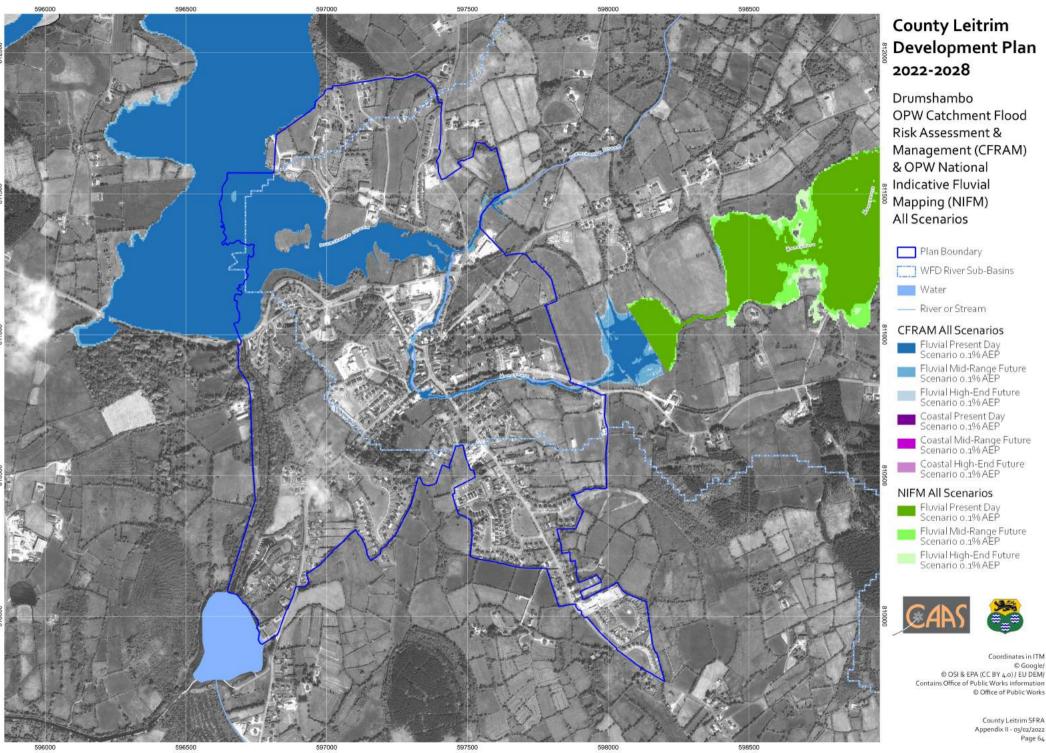




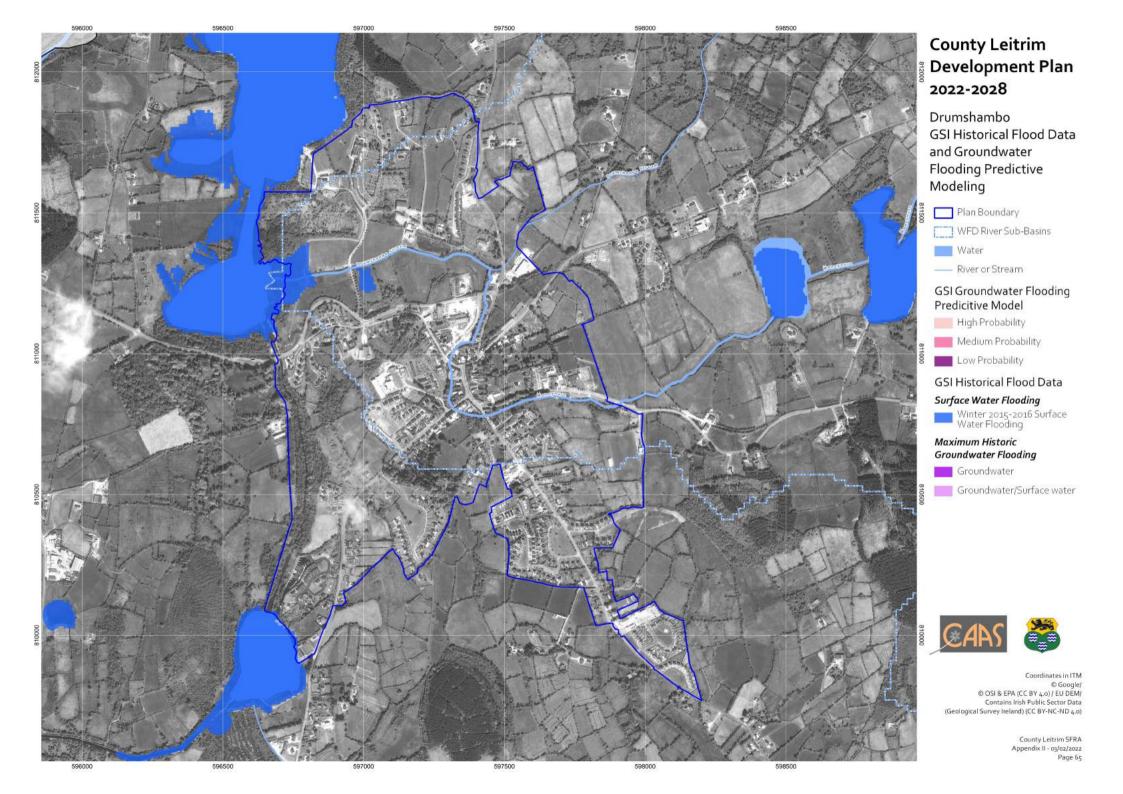


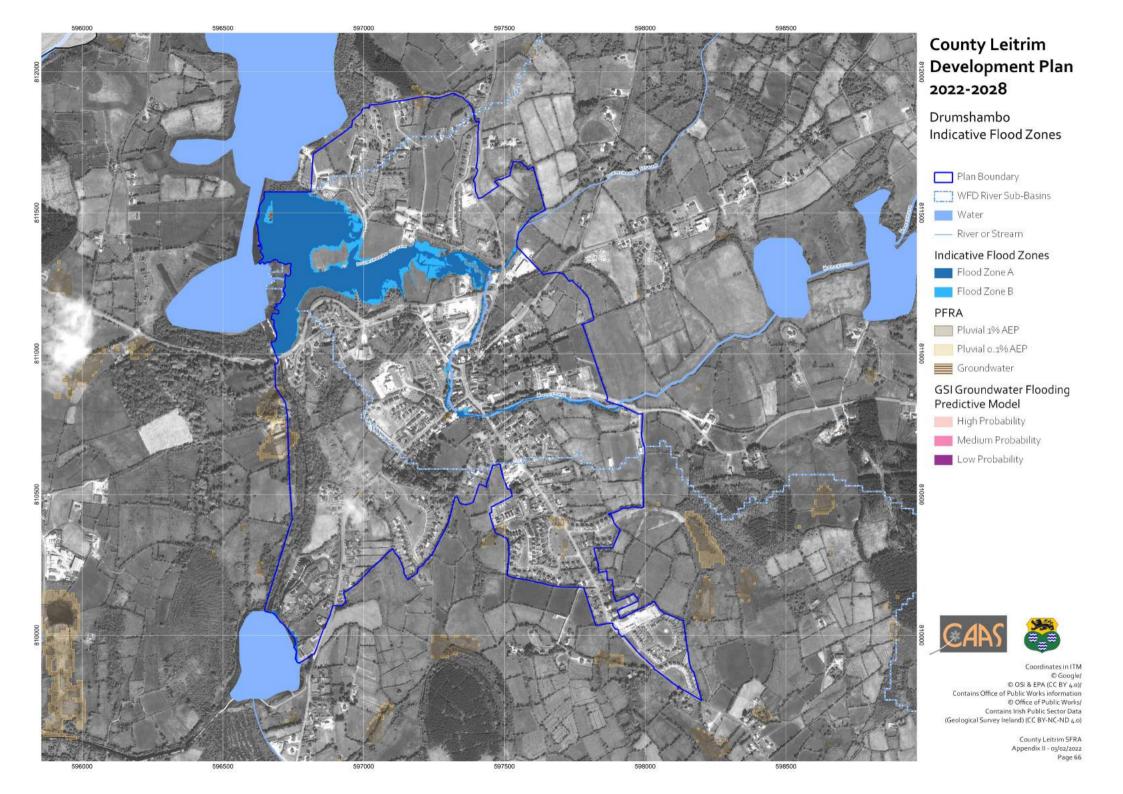


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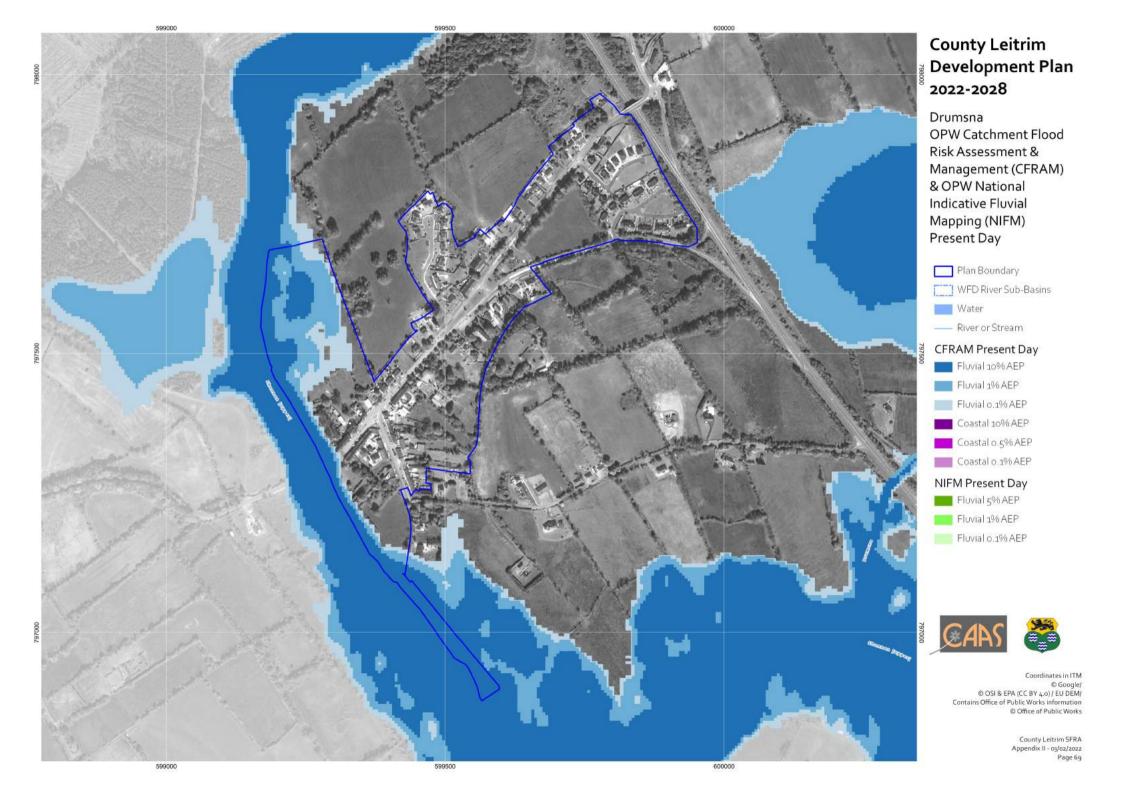
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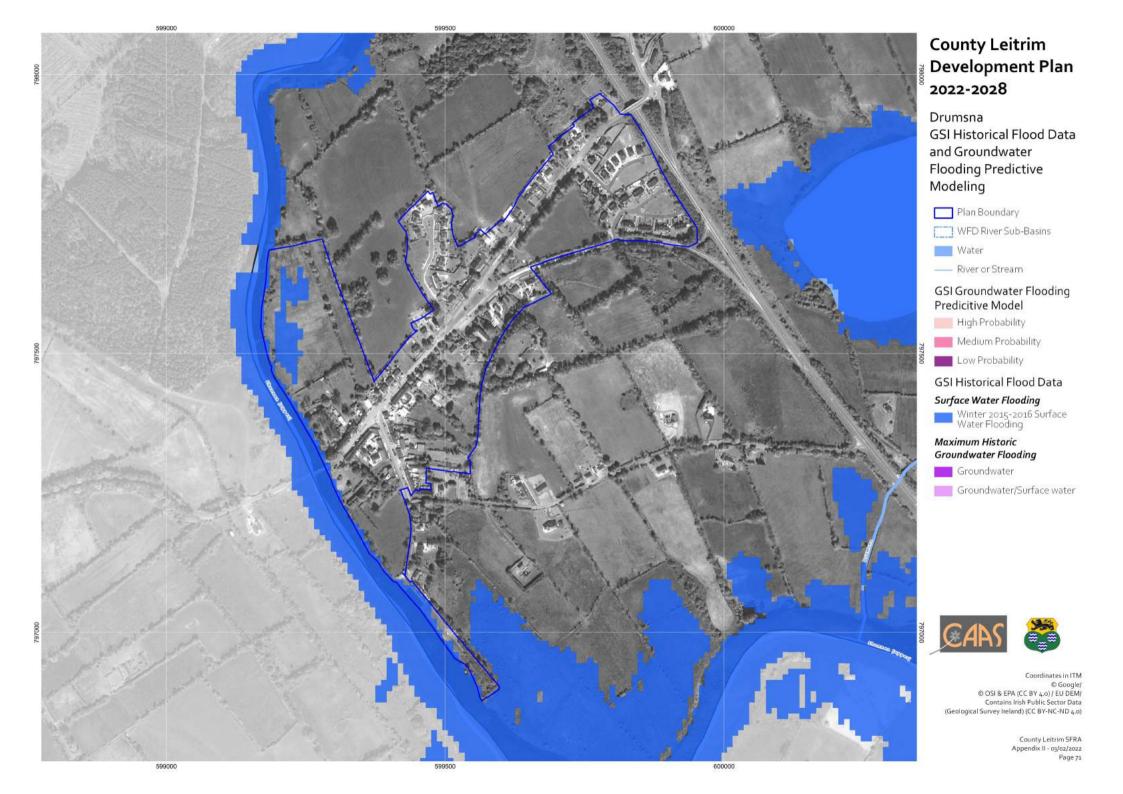




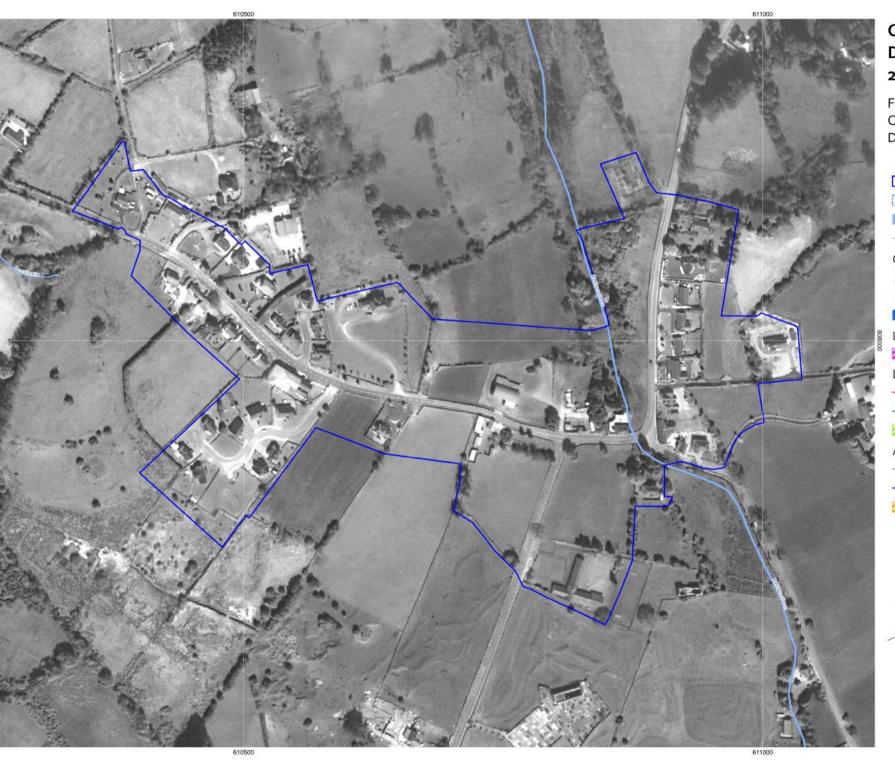












Fenagh OPW Historical Flood Data

Plan Boundary

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WFD River Sub-Basins

Water

- River or Stream

OPW Past Flood Events

Single Flood Event

A Recurring Flood Event

Past Flood Extent

Land Commission

Benefited Lands

Drainage District

--- Channel

— Embankment

Benefited Lands

Arterial Drainage Scheme

— Channel

- Embankment

Benefited Lands





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OPW Preliminary Flood Risk Assessment (PFRA)

Coastal o.5% AEP



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OPW Catchment Flood Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM)

WFD River Sub-Basins

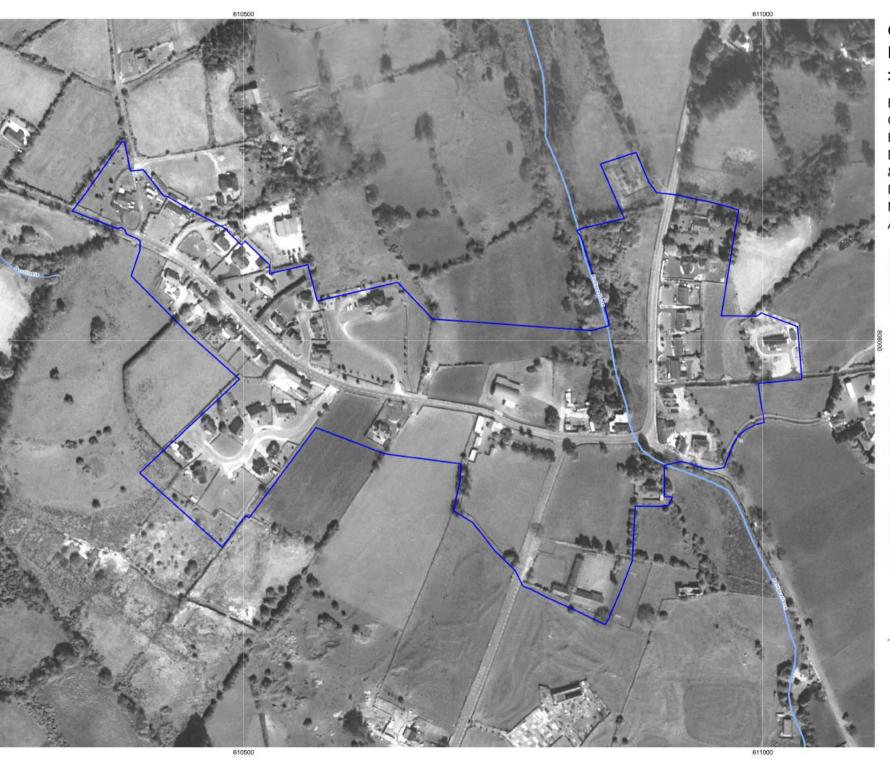
## CFRAM Present Day

Fluvial 10% AEP

Fluvial 1% AEP



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Fenagh
OPW Catchment Flood
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### CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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GSI Historical Flood Data and Groundwater Flooding Predictive



## GSI Groundwater Flooding



Winter 2015-2016 Surface Water Flooding

Groundwater/Surface water



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Indicative Flood Zones





### Indicative Flood Zones

Flood Zone A









## GSI Groundwater Flooding

High Probability

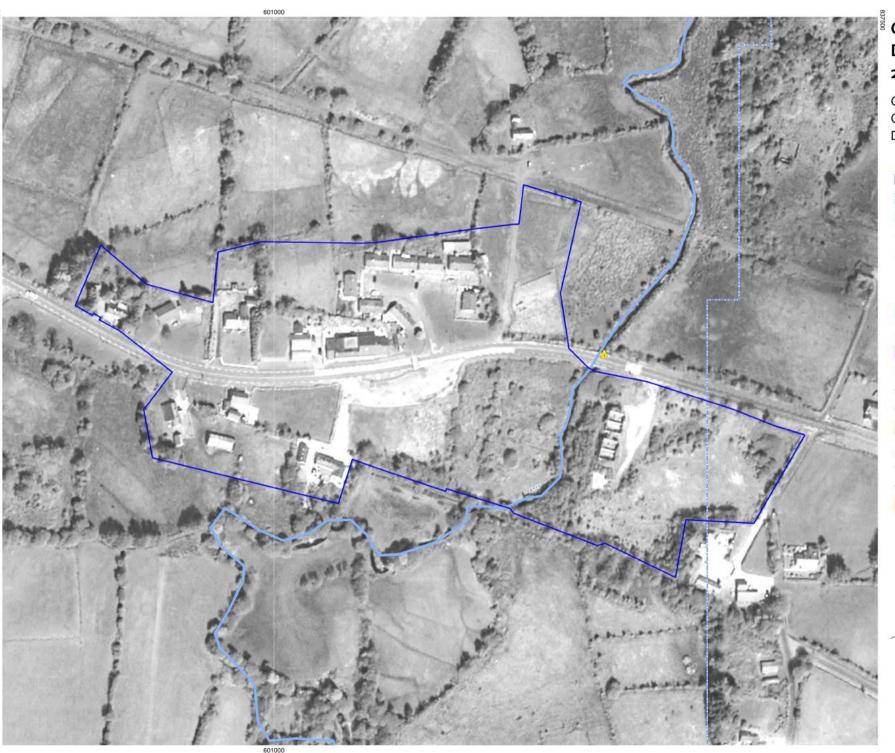








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Glenfarne **OPW Historical Flood** Data

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## OPW Past Flood Events

▲ Single Flood Event

Recurring Flood Event

Past Flood Extent

Land Commission

Benefited Lands

## Drainage District

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— Embankment

Benefited Lands

## Arterial Drainage Scheme

- Channel

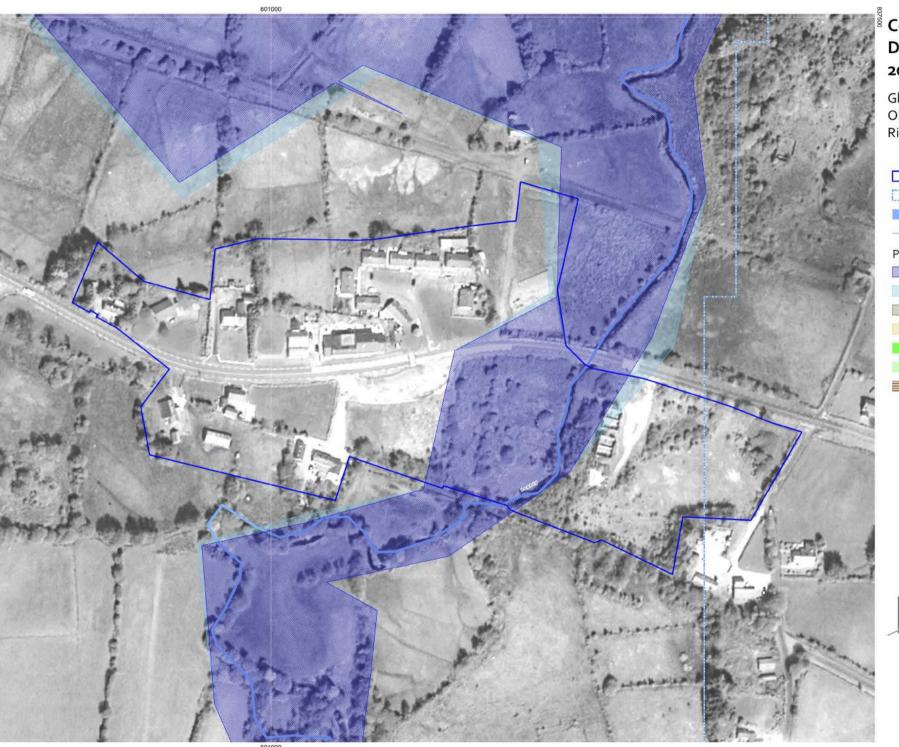
- Embankment

Benefited Lands





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Glenfarne OPW Preliminary Flood Risk Assessment (PFRA)









- River or Stream

## PFRA

Fluvial 1% AEP









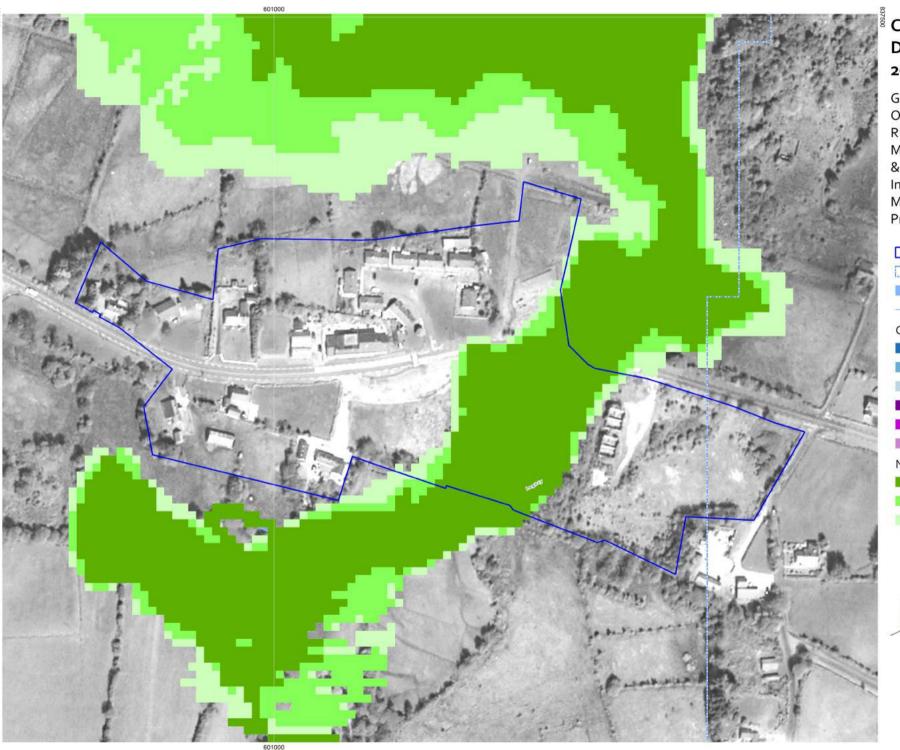








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Glenfarne
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
Present Day

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## CFRAM Present Day

Fluvial 10% AEP

Fluvial 1% AEP

Fluvial 0.1% AEP

Coastal 10% AEP

Coastal o.5% AEP

Coastal 0.1% AEP

## NIFM Present Day

Fluvial 5% AEP

Fluvial 1% AEP

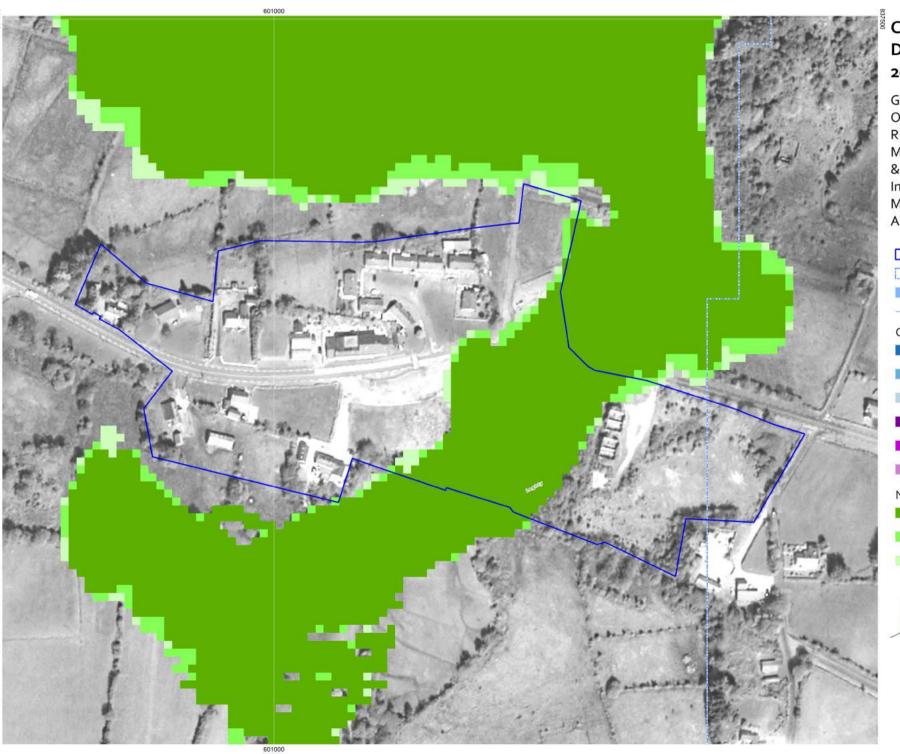
FIUVIAI 190 AEP

Fluvial 0.1% AEP





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Glenfarne **OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

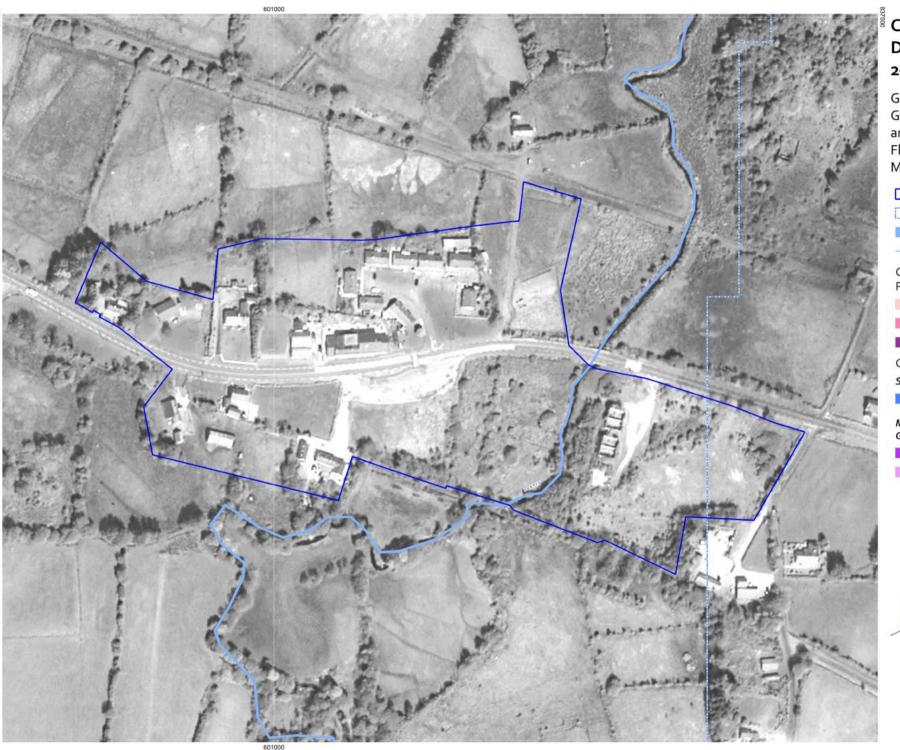
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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Glenfarne GSI Historical Flood Data and Groundwater Flooding Predictive Modeling







— River or Stream

## GSI Groundwater Flooding Predicitive Model

High Probability







## GSI Historical Flood Data

## Surface Water Flooding

Winter 2015-2016 Surface Water Flooding

### Maximum Historic Groundwater Flooding

Groundwater



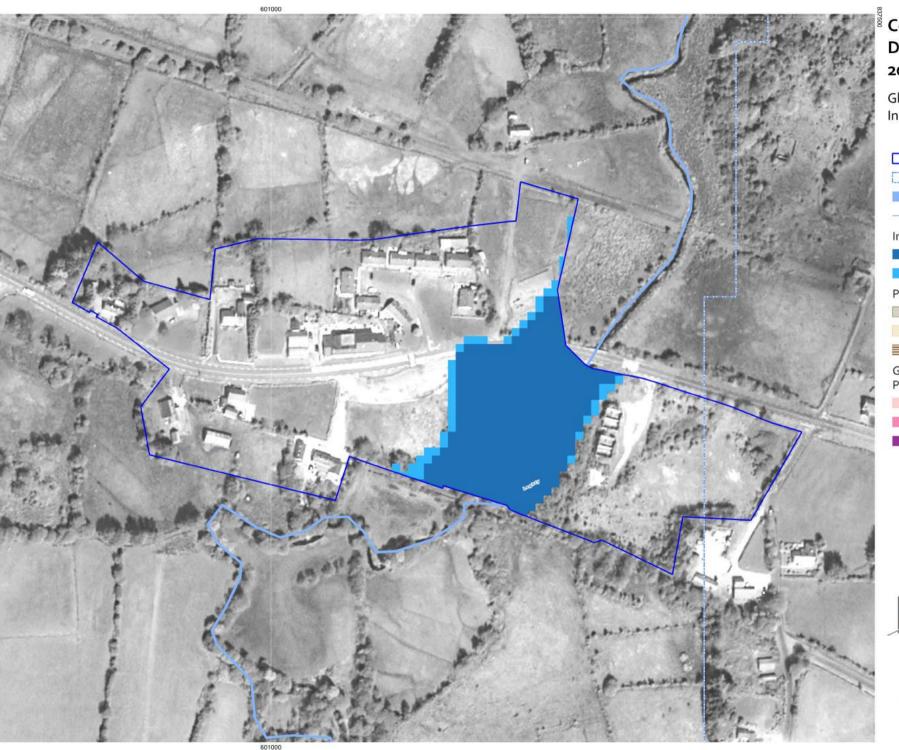
Groundwater/Surface water





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Glenfarne Indicative Flood Zones







- River or Stream

### Indicative Flood Zones

Flood Zone A



## PFRA

Pluvial 1% AEP





## GSI Groundwater Flooding Predictive Model

High Probability

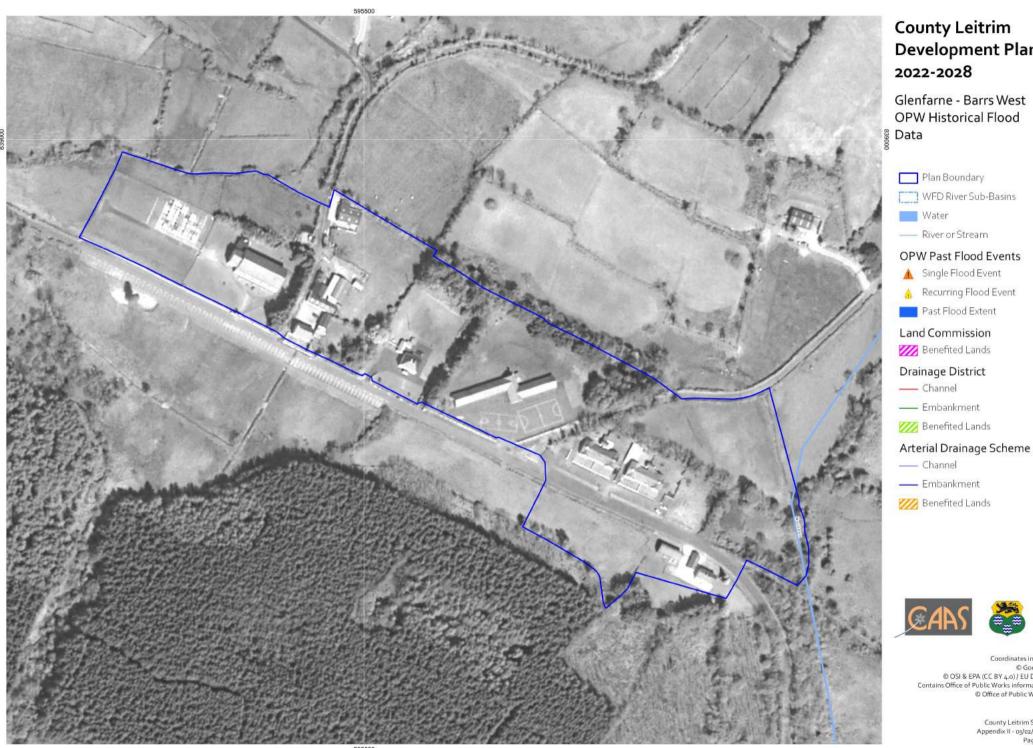


Low Probability





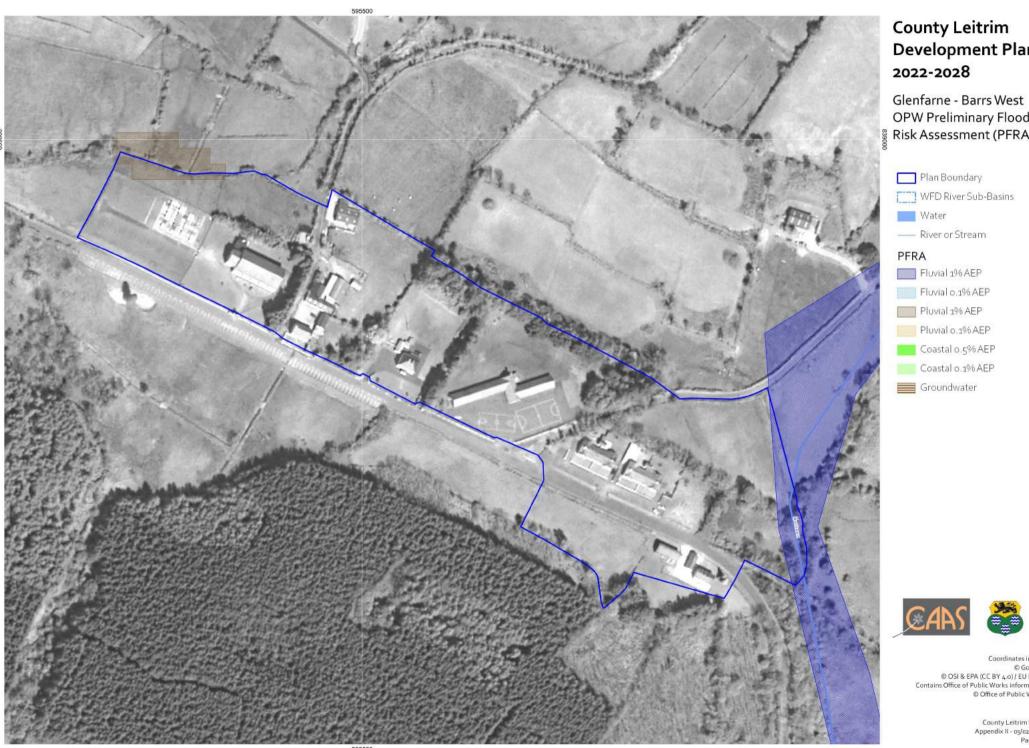
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**OPW Historical Flood** 



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**OPW Preliminary Flood** Risk Assessment (PFRA)



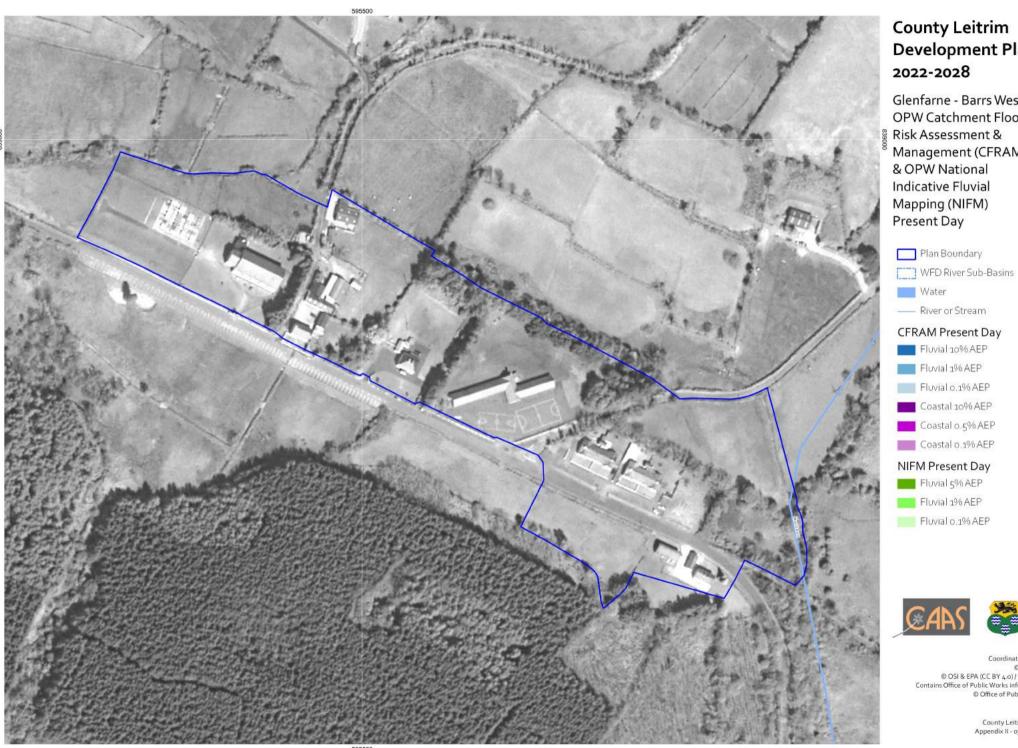








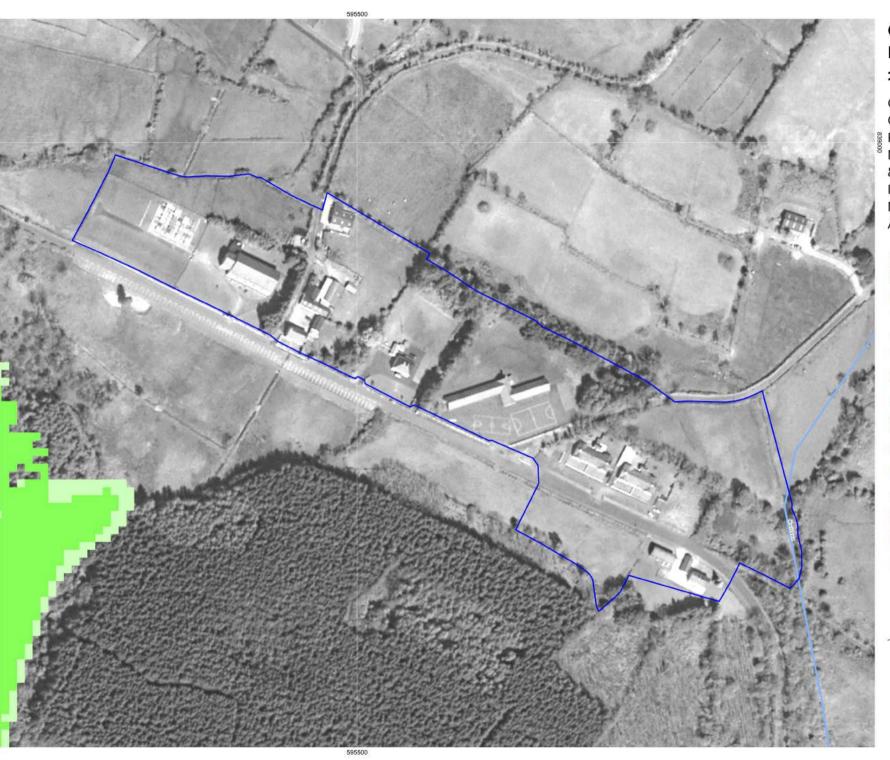
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Glenfarne - Barrs West **OPW Catchment Flood** Risk Assessment & Management (CFRAM)



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Glenfarne - Barrs West **OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario o.1% AEP

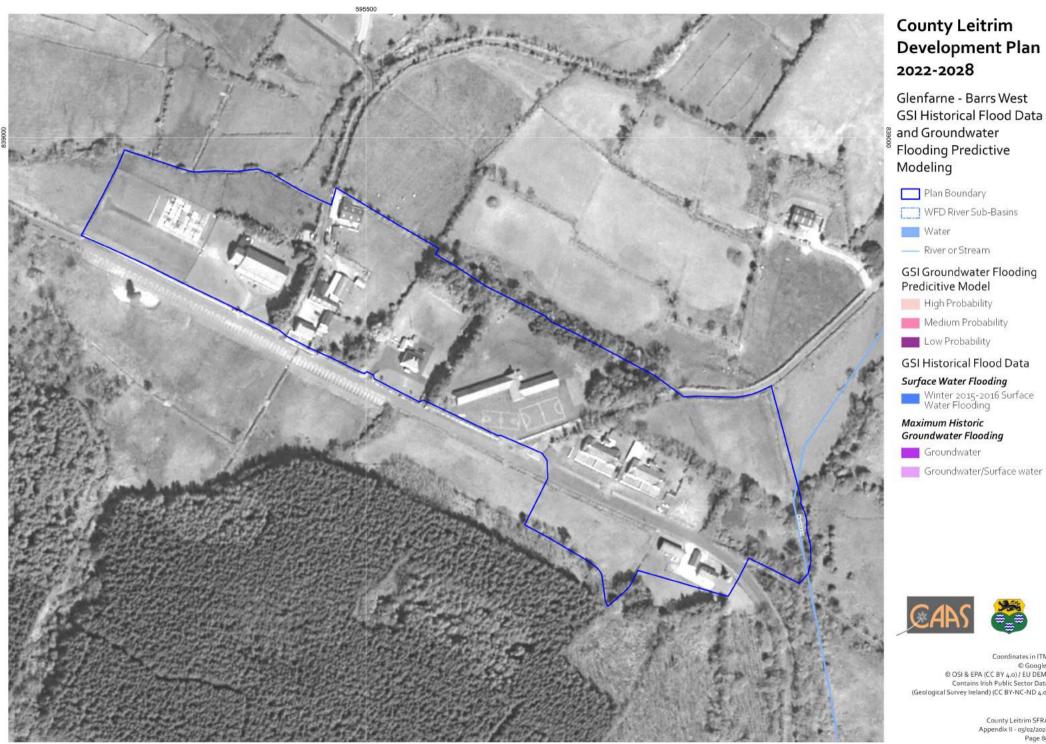
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

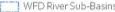




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Glenfarne - Barrs West GSI Historical Flood Data Flooding Predictive



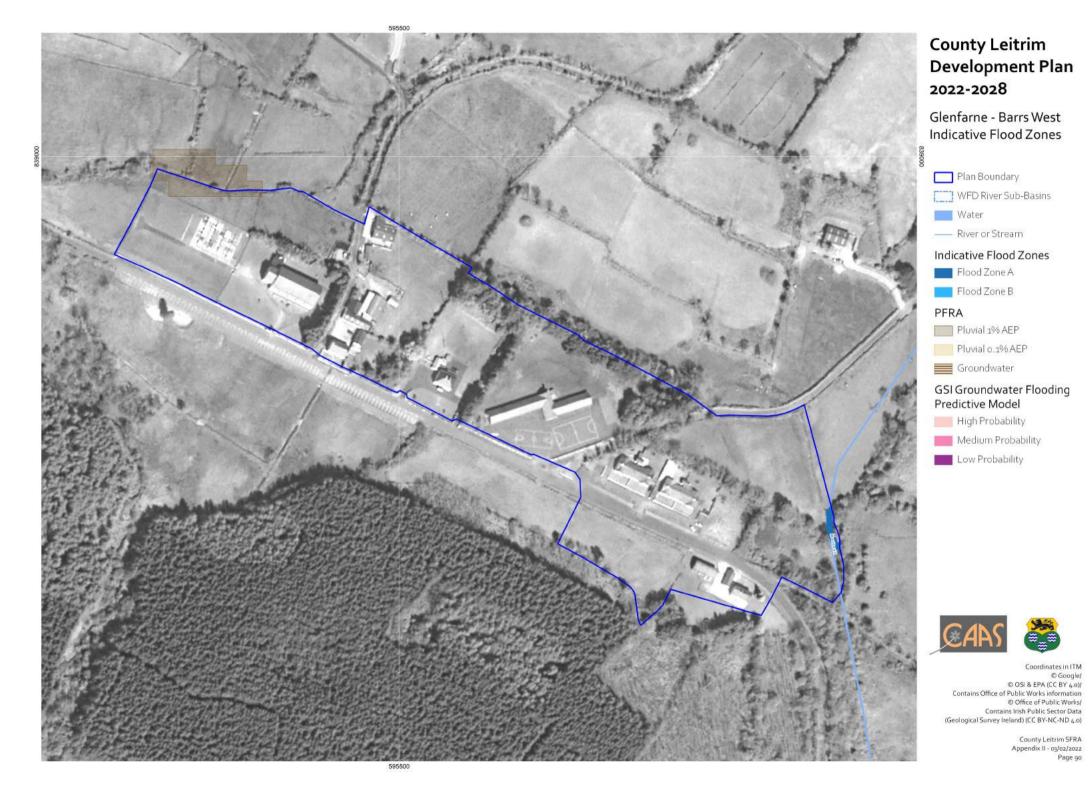
## GSI Groundwater Flooding

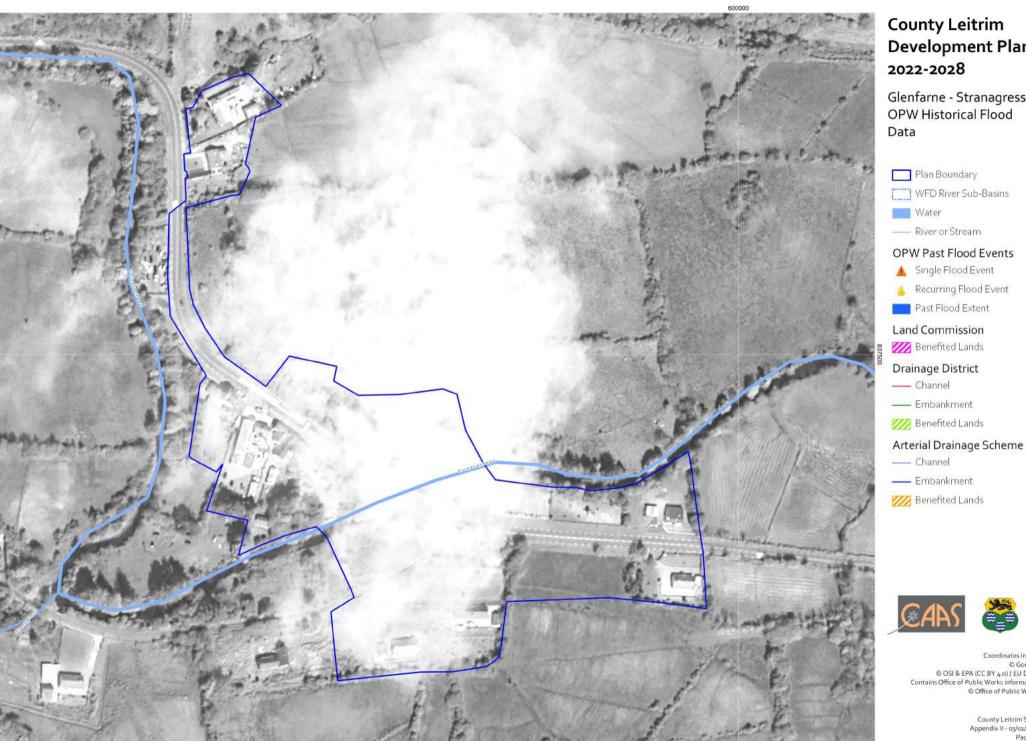
### Surface Water Flooding

Winter 2015-2016 Surface Water Flooding



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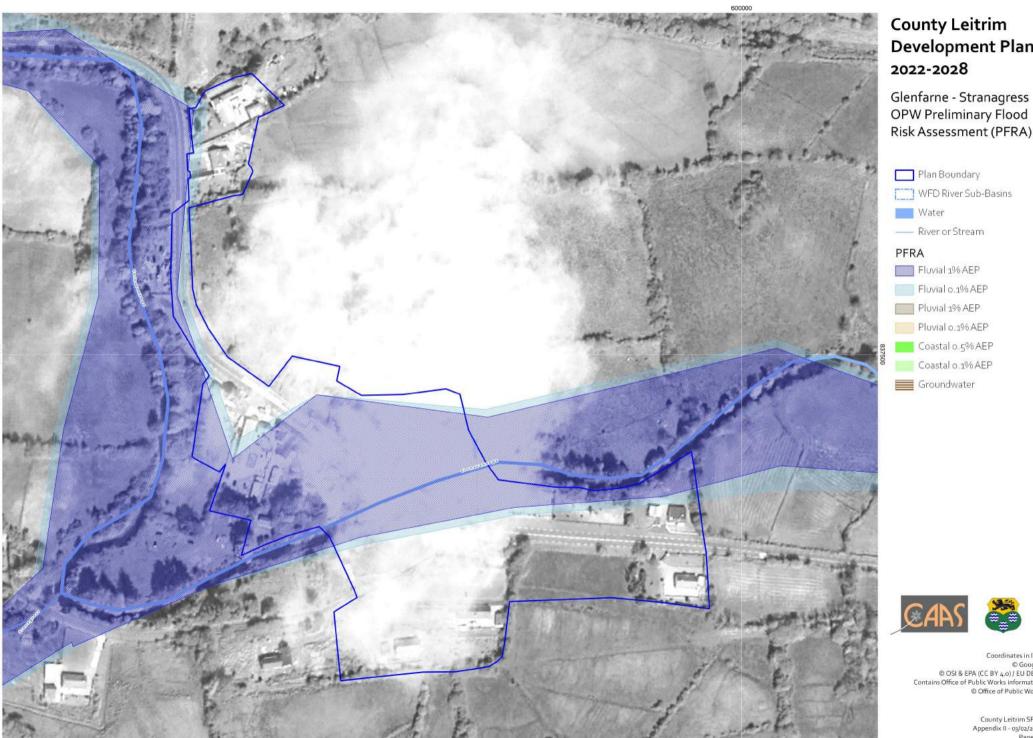




Glenfarne - Stranagress **OPW Historical Flood** 



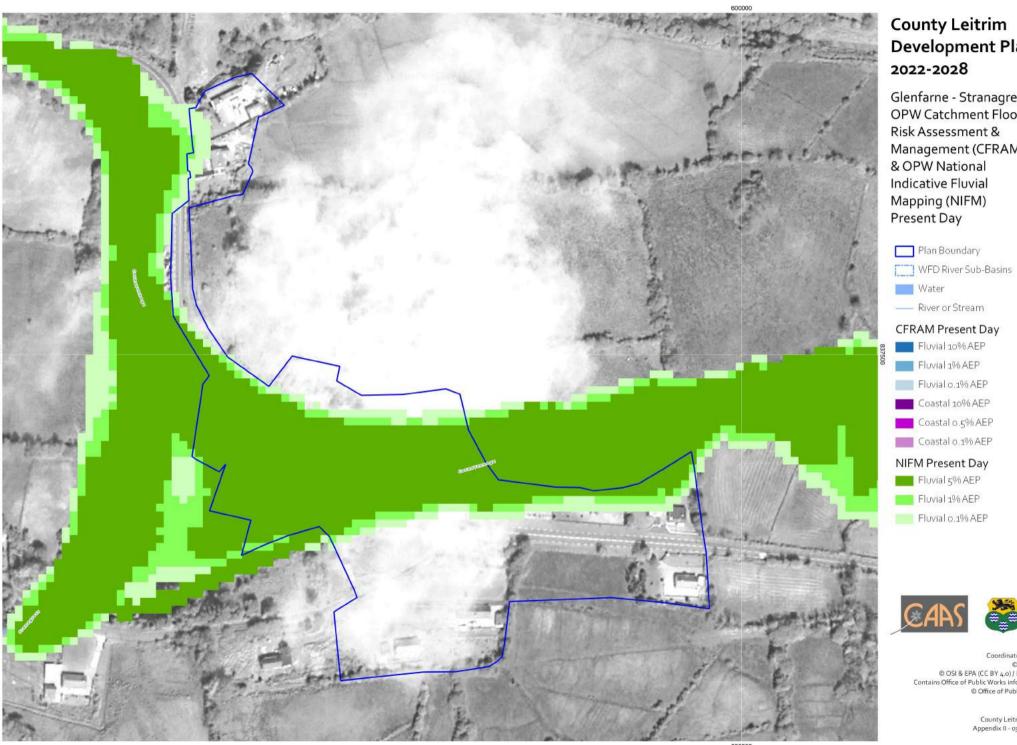
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OPW Preliminary Flood Risk Assessment (PFRA)



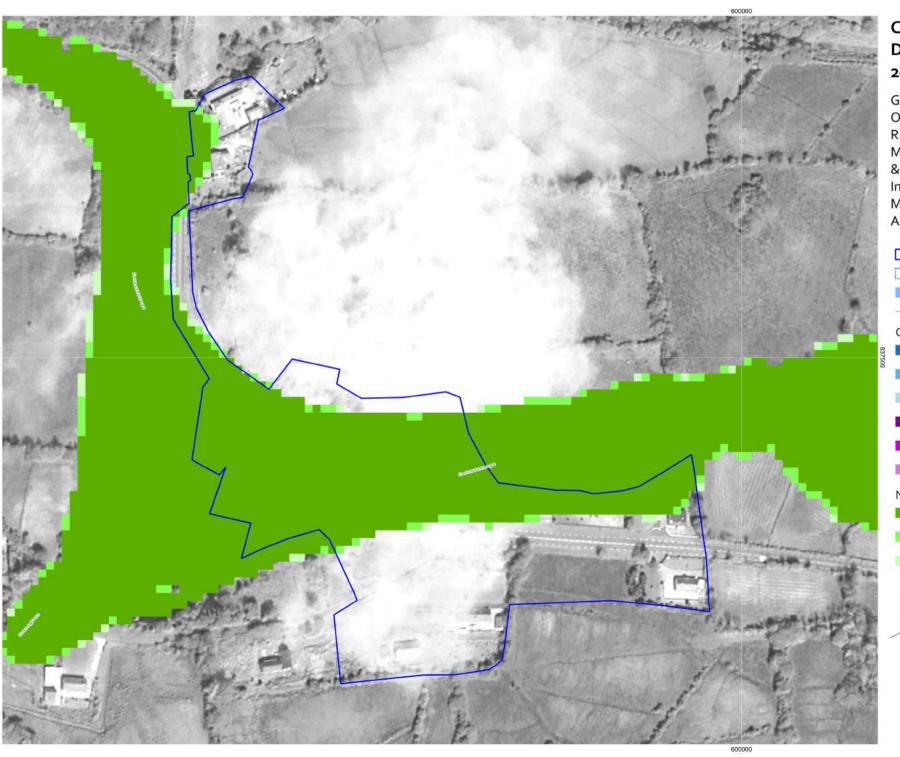
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Glenfarne - Stranagress OPW Catchment Flood Risk Assessment & Management (CFRAM)



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Glenfarne - Stranagress OPW Catchment Flood Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario o.1% AEP

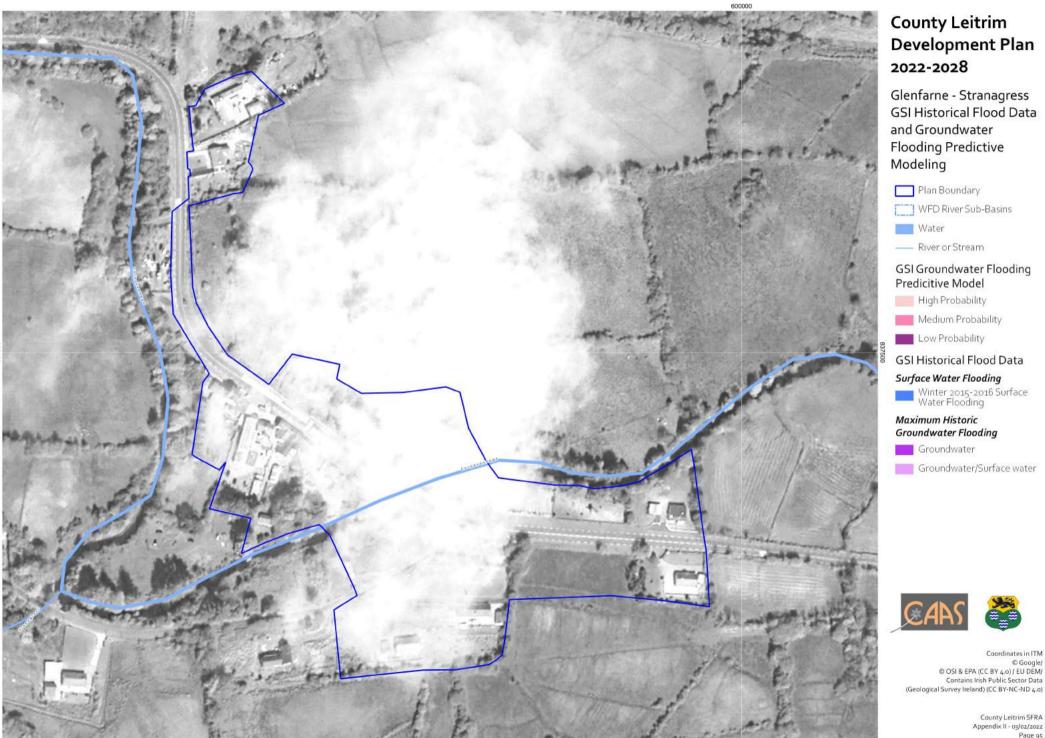
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP



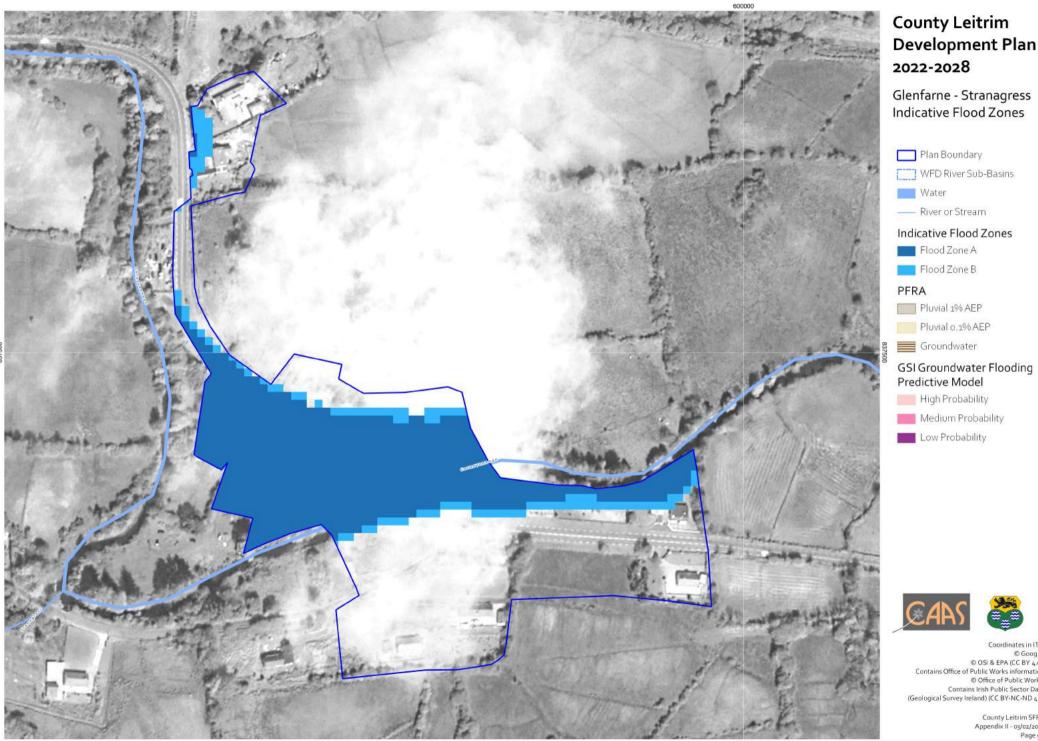


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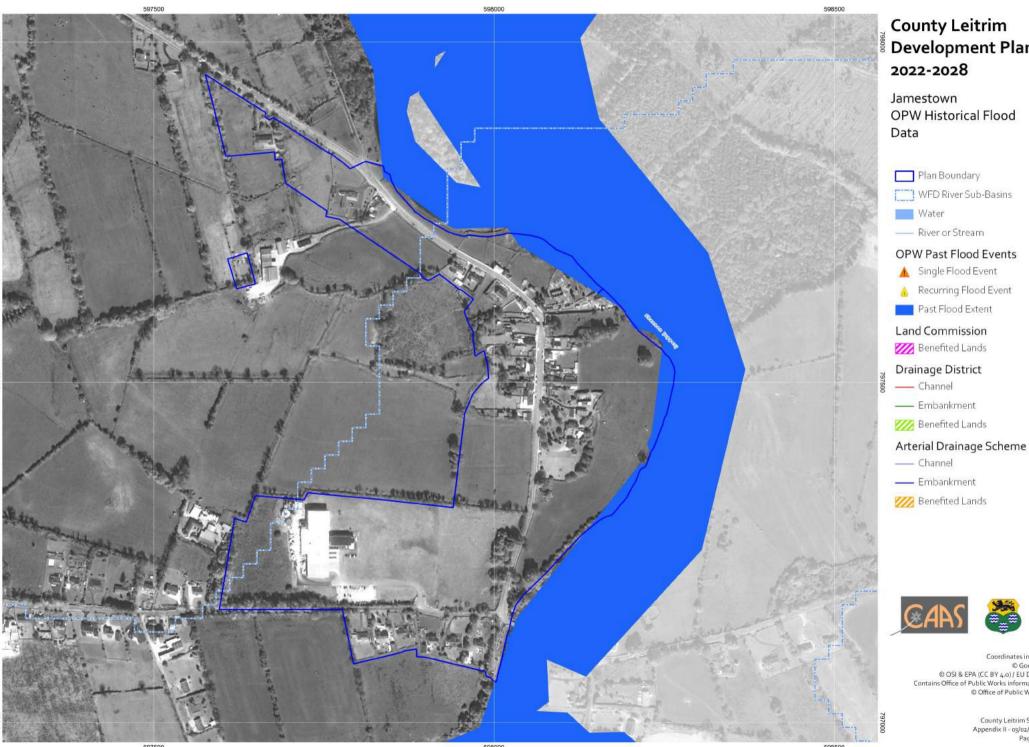
Glenfarne - Stranagress Indicative Flood Zones







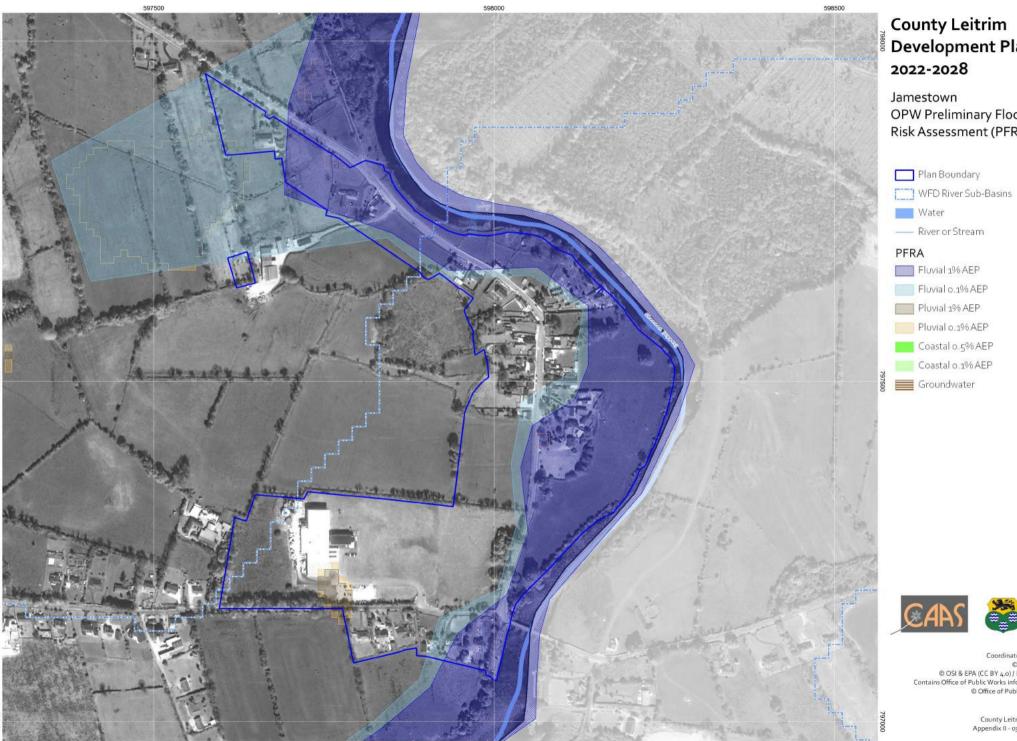
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**OPW Historical Flood** 



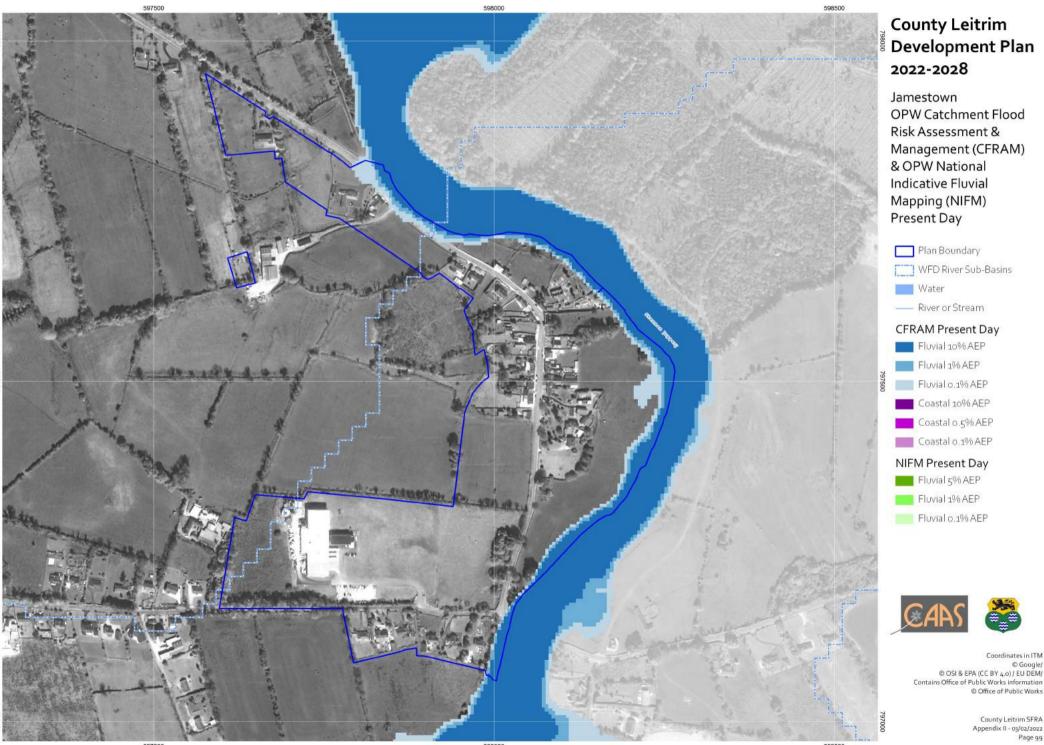
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**OPW Preliminary Flood** Risk Assessment (PFRA)

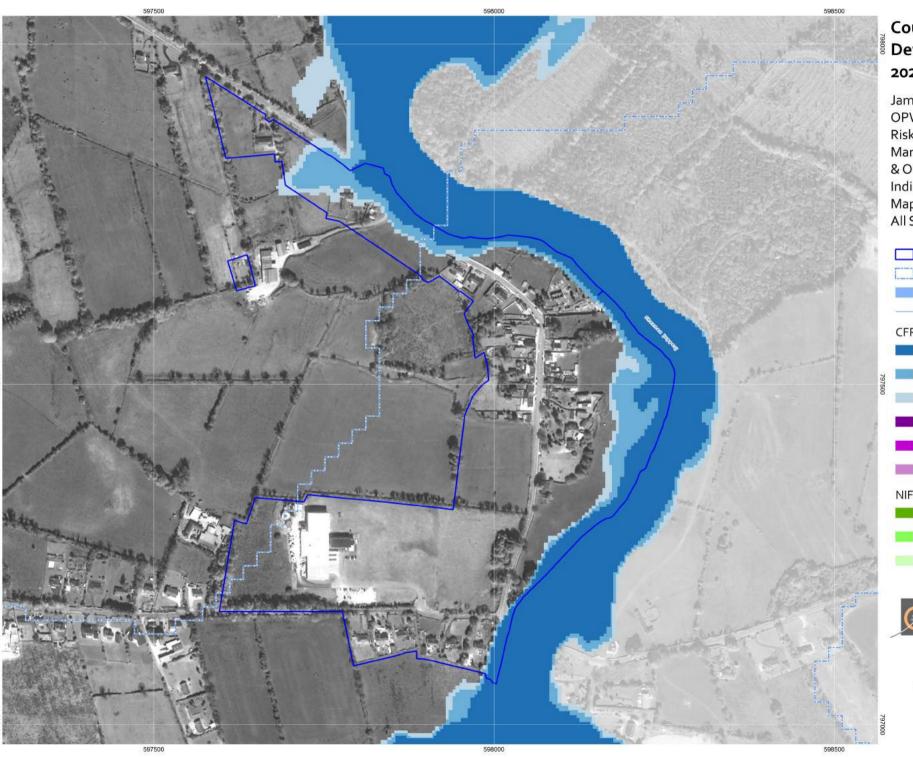


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Jamestown
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

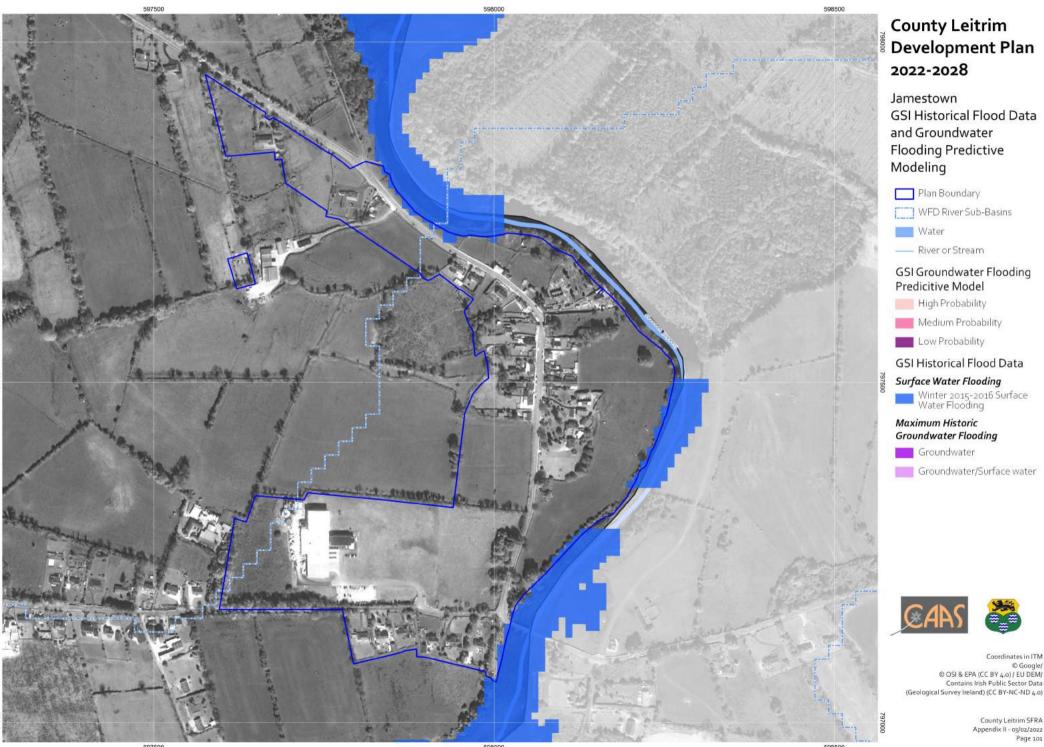
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP



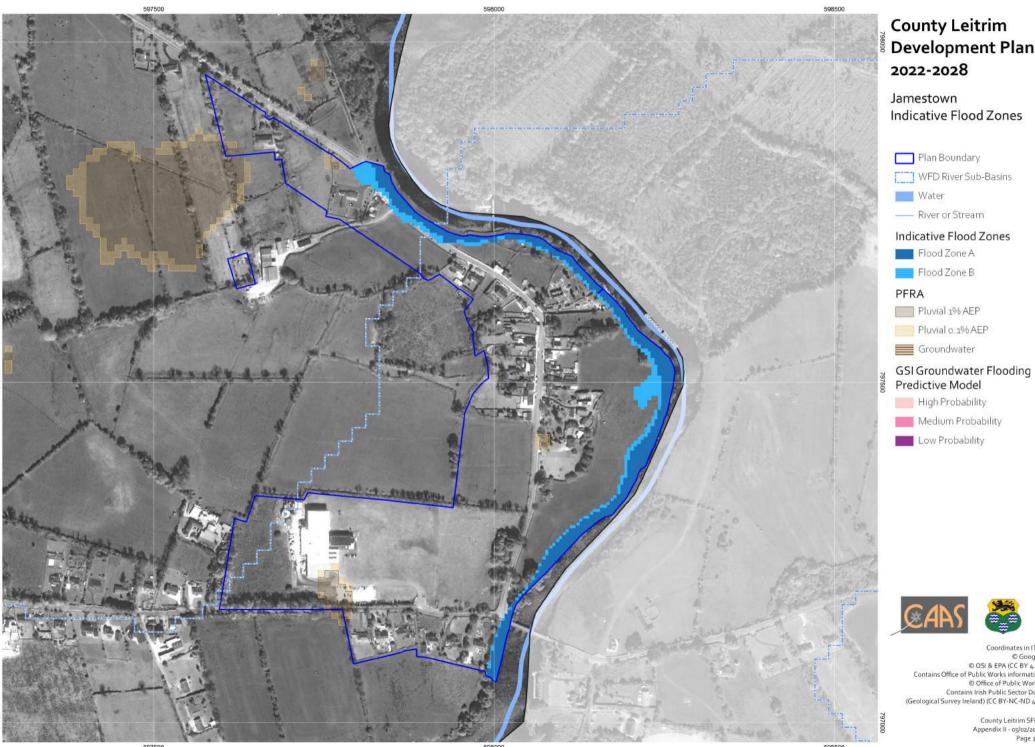


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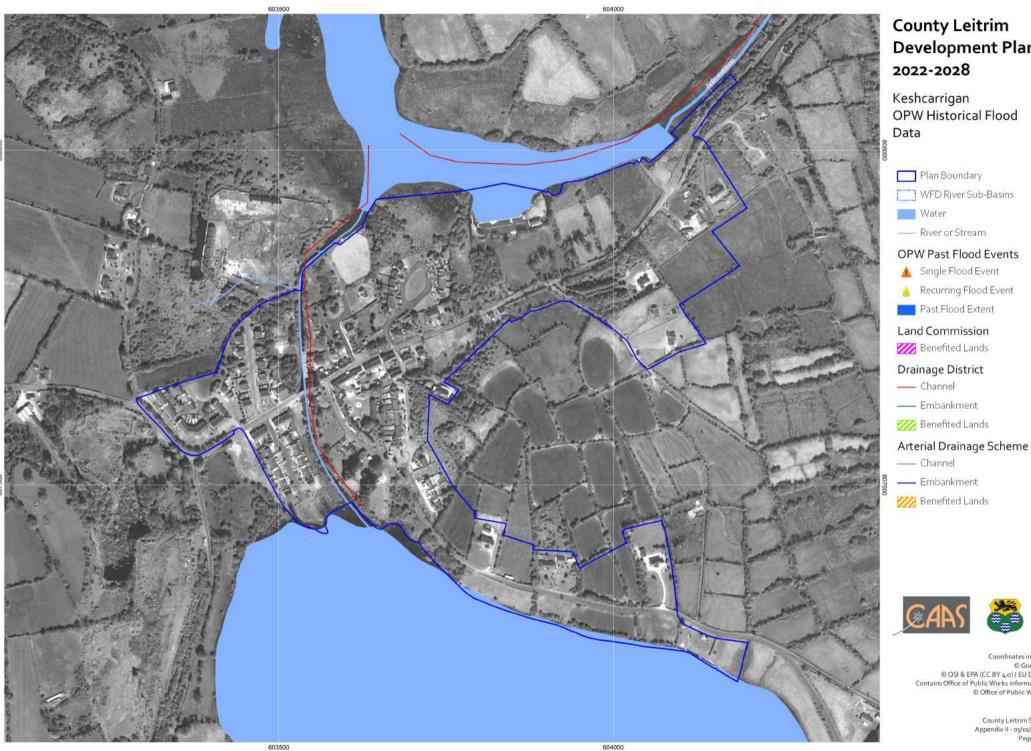
© Google/







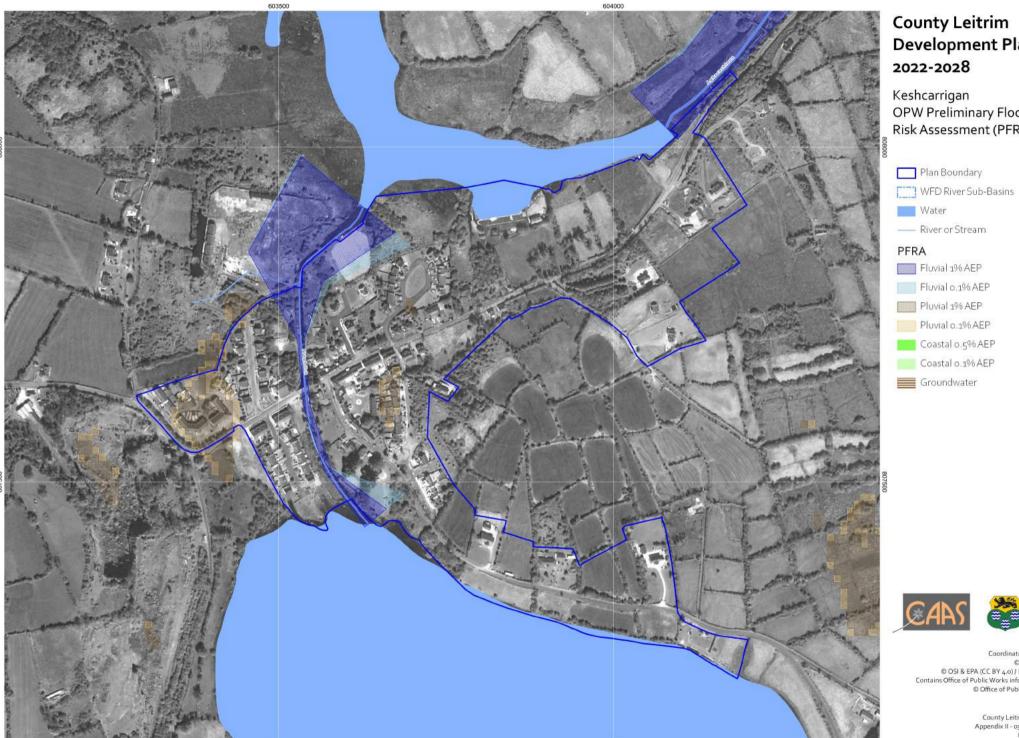
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OPW Historical Flood



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604000

603500

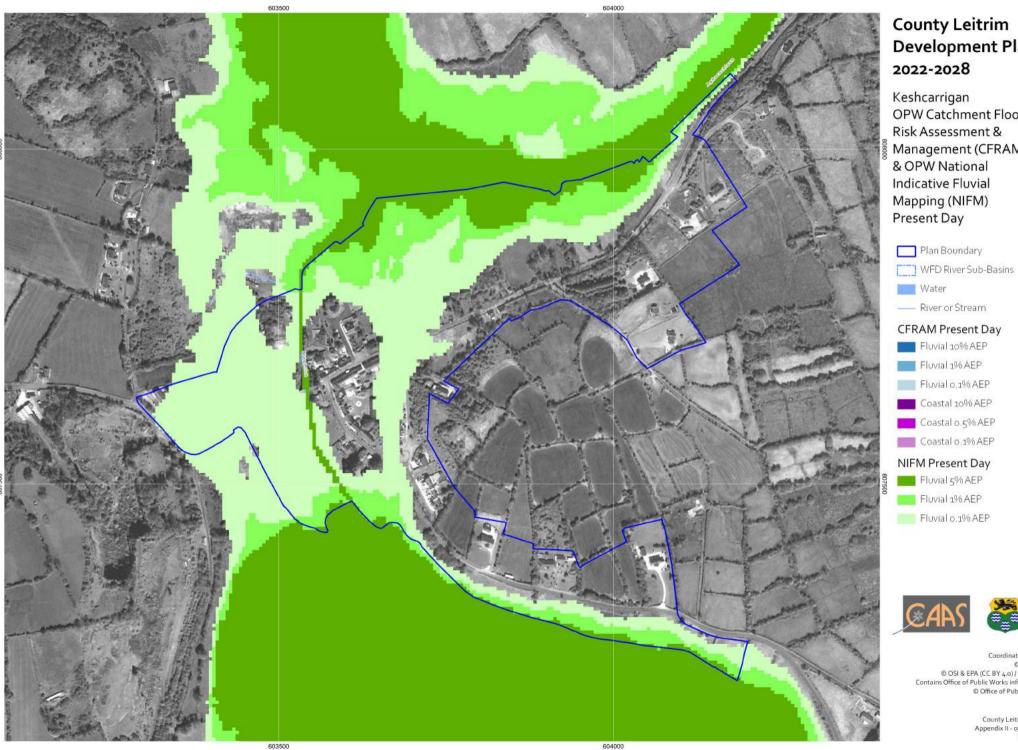
**Development Plan** 

OPW Preliminary Flood Risk Assessment (PFRA)





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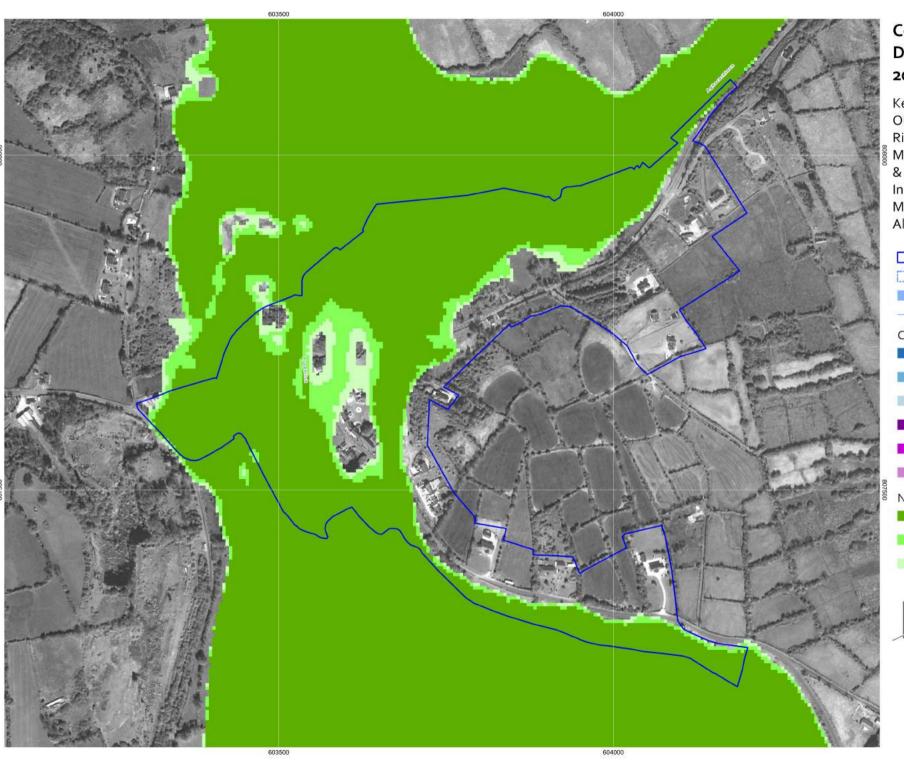


OPW Catchment Flood Risk Assessment & Management (CFRAM)





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Keshcarrigan
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

— River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario o.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

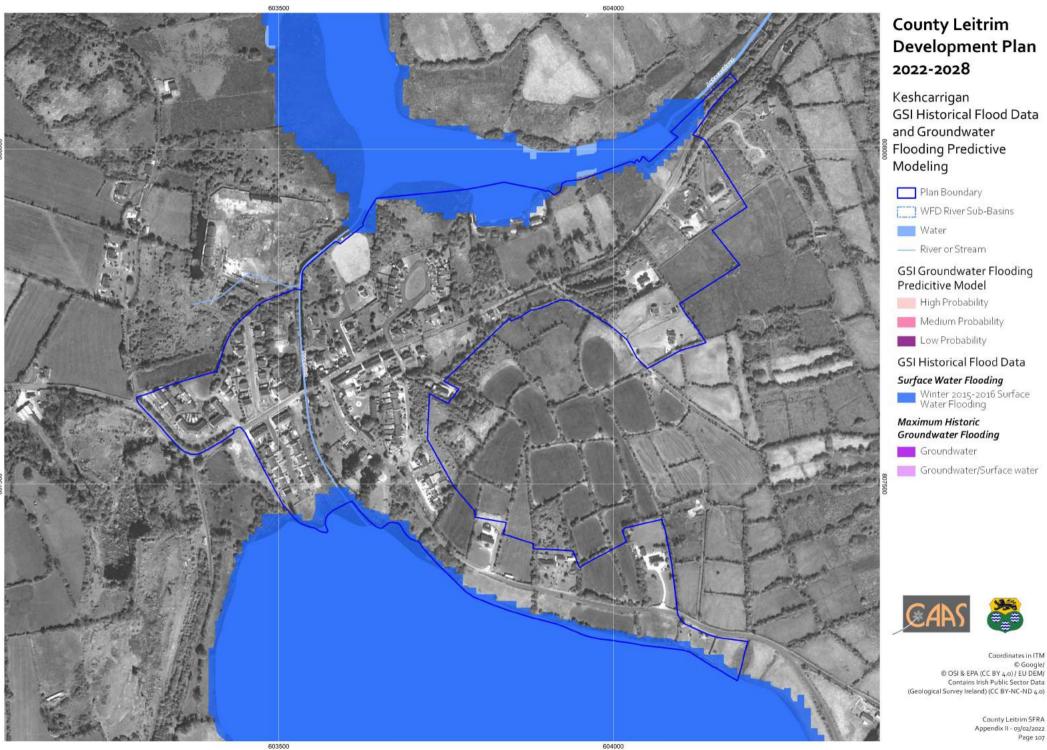
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP



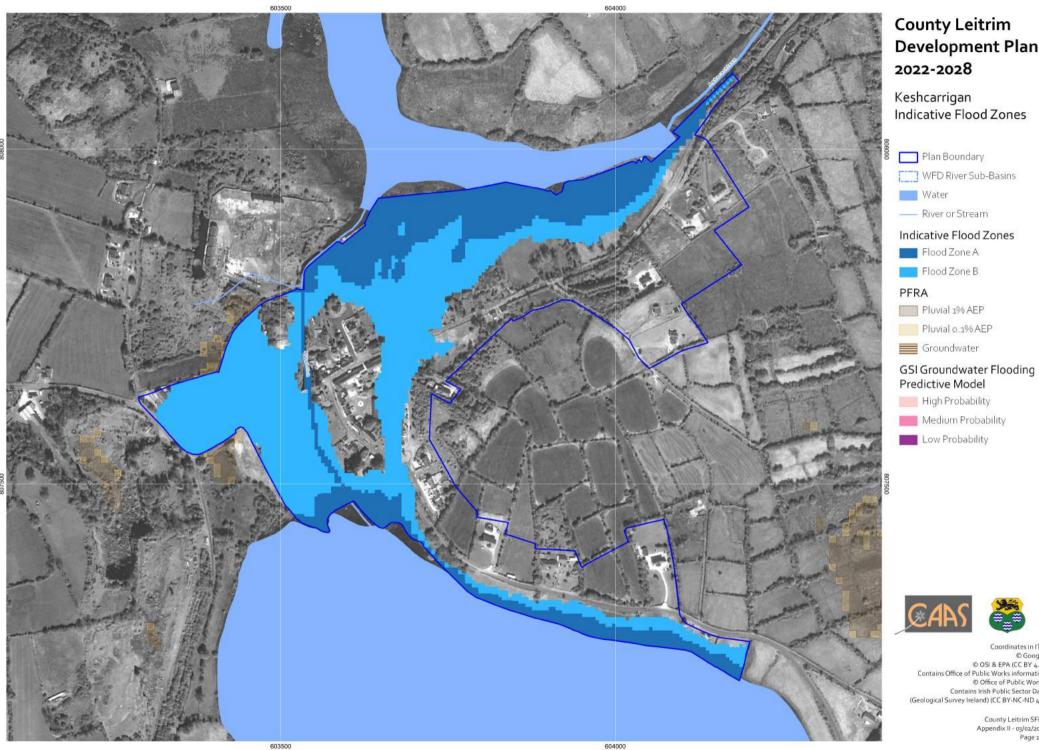


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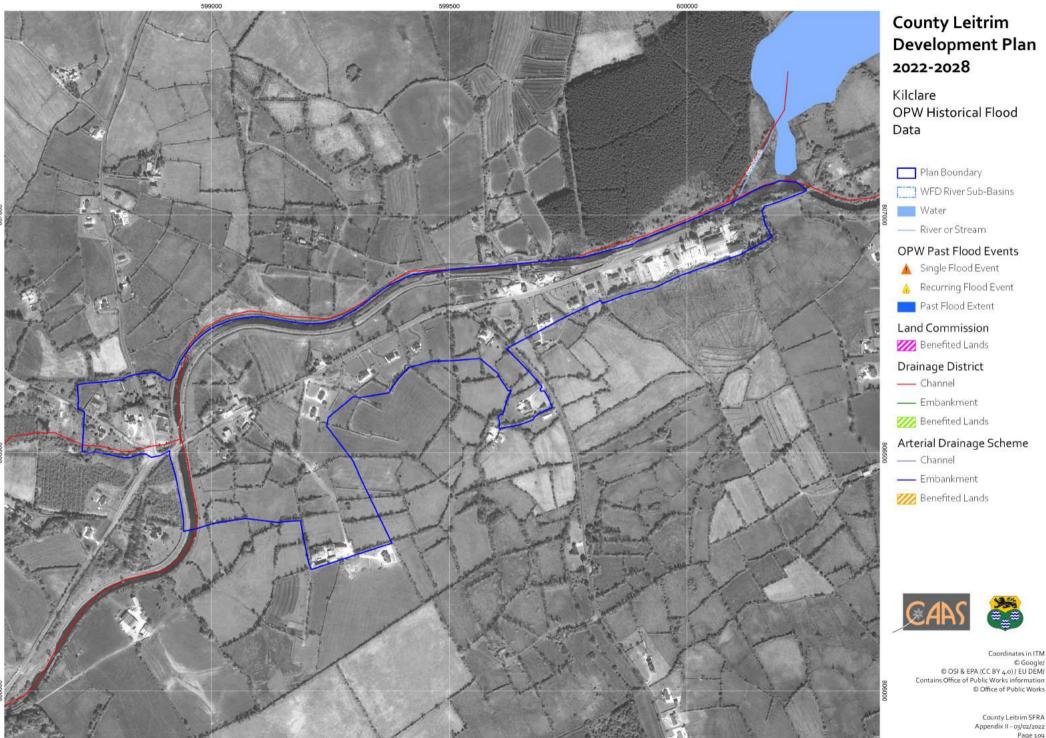
Indicative Flood Zones

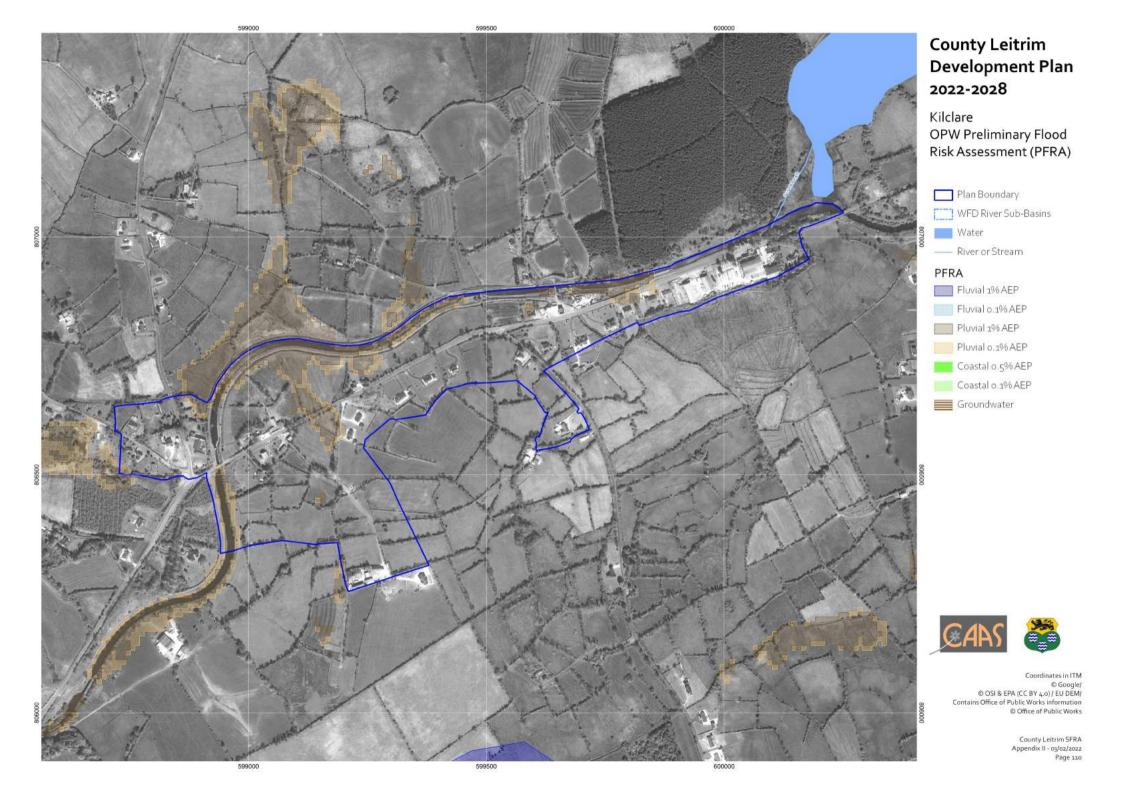


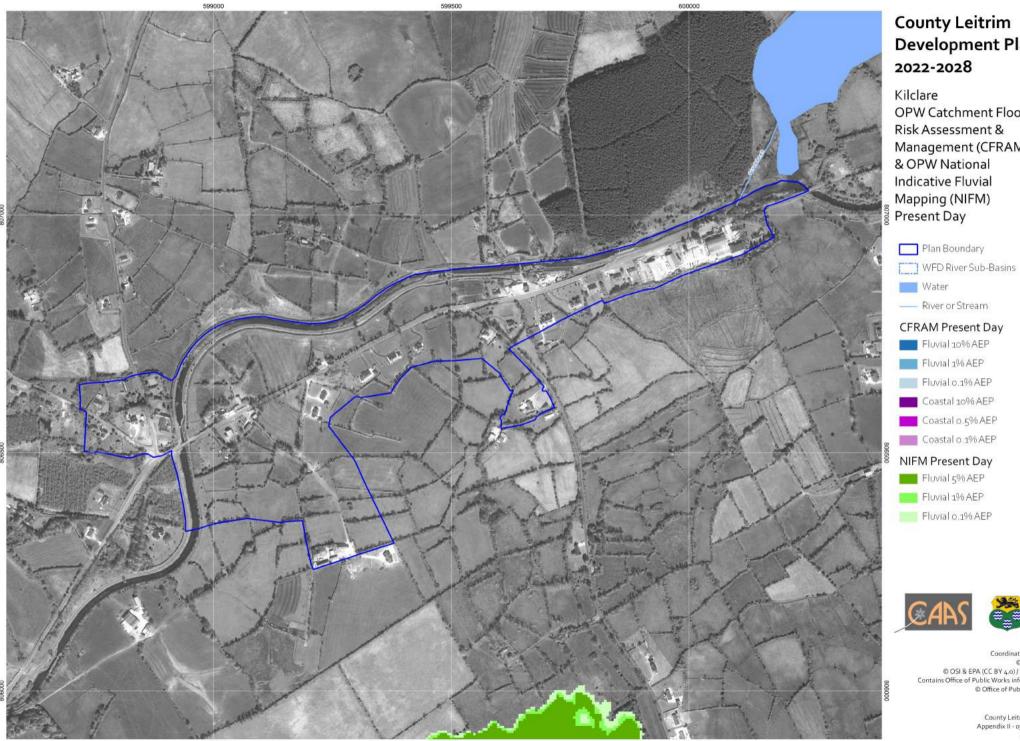




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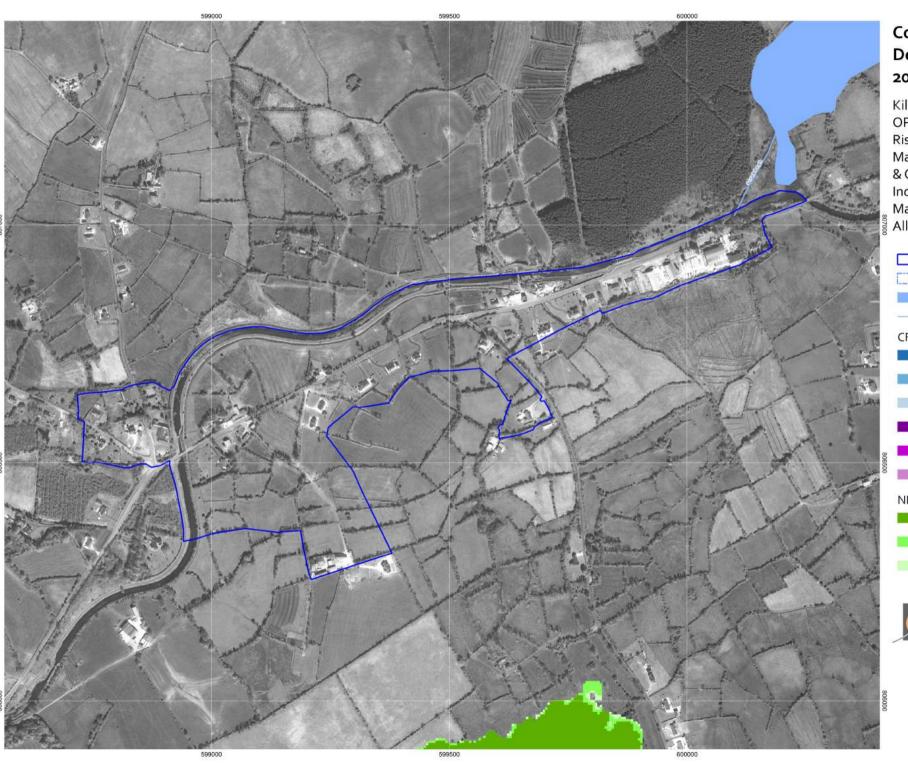




**OPW Catchment Flood** Management (CFRAM)



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Kilclare
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario o.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario o.1% AEP

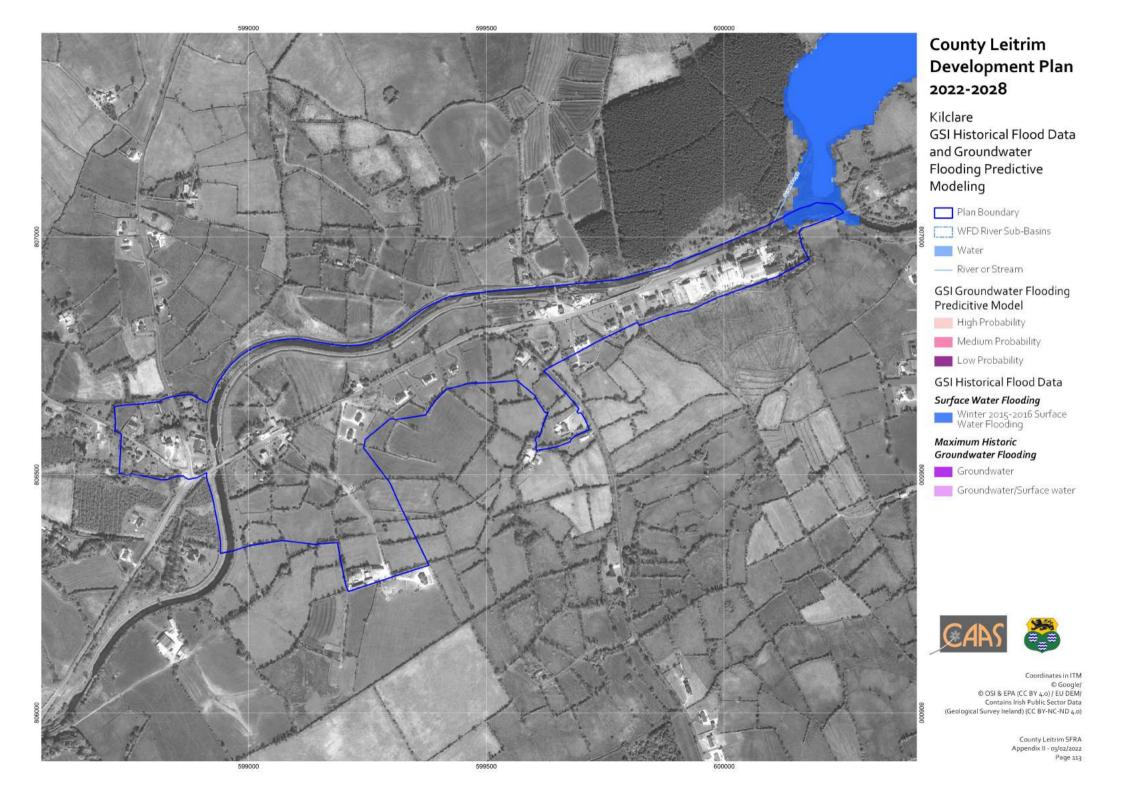
Fluvial Mid-Range Future Scenario o.1% AEP

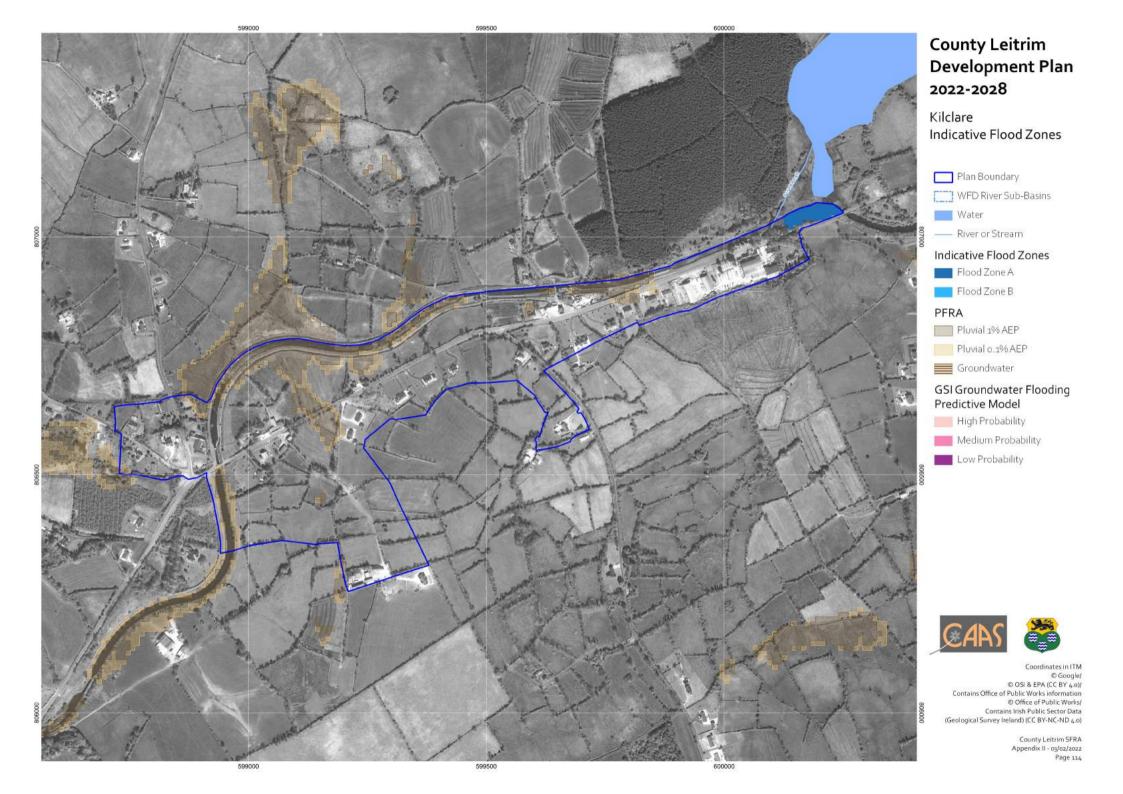
Fluvial High-End Future Scenario 0.1% AEP

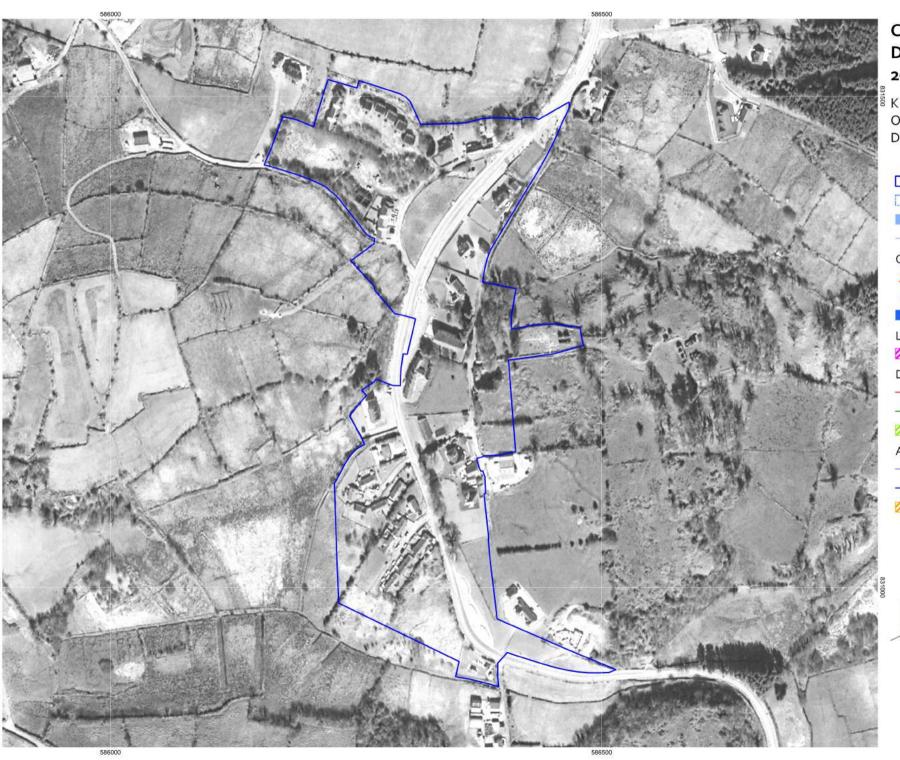




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Killargue OPW Historical Flood Data

Plan Boundary

\_\_\_\_\_ rian boonaa

WFD River Sub-Basins

Water

- River or Stream

## OPW Past Flood Events

▲ Single Flood Event

A single rood Ever

Recurring Flood Event

Past Flood Extent

## Land Commission

Benefited Lands

## Drainage District

--- Channel

- Embankment

Benefited Lands

## Arterial Drainage Scheme

--- Channel

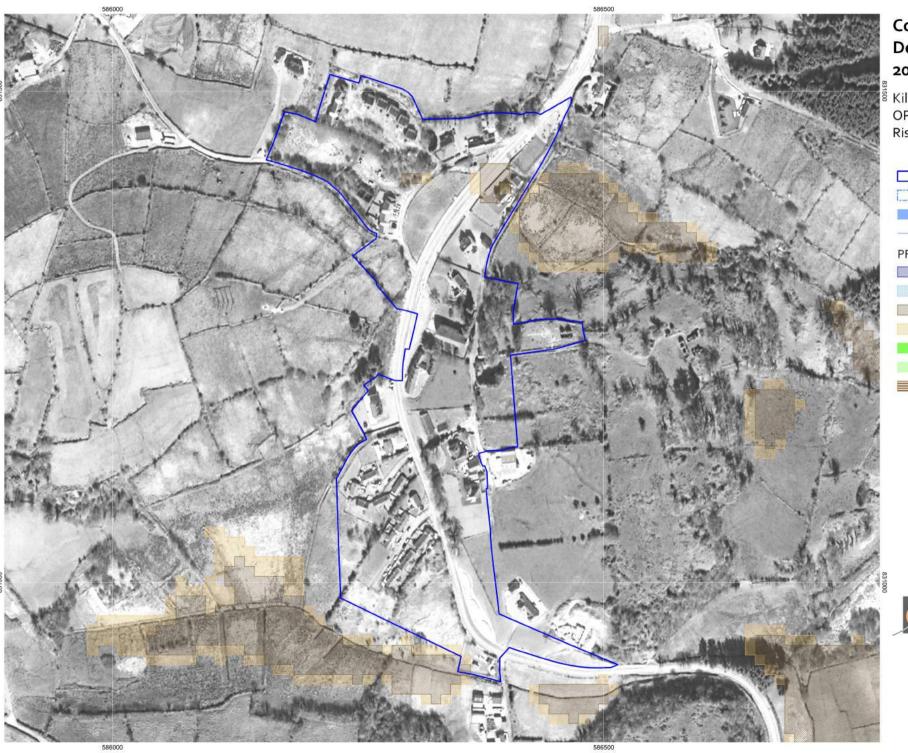
- Embankment

Benefited Lands





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Killargue OPW Preliminary Flood Risk Assessment (PFRA)

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

PFRA

Fluvial 1% AEP

Fluvial 0.1% AEP

Pluvial 1% AEP

Pluvial 0.1% AEP

Coastal o.5% AEP

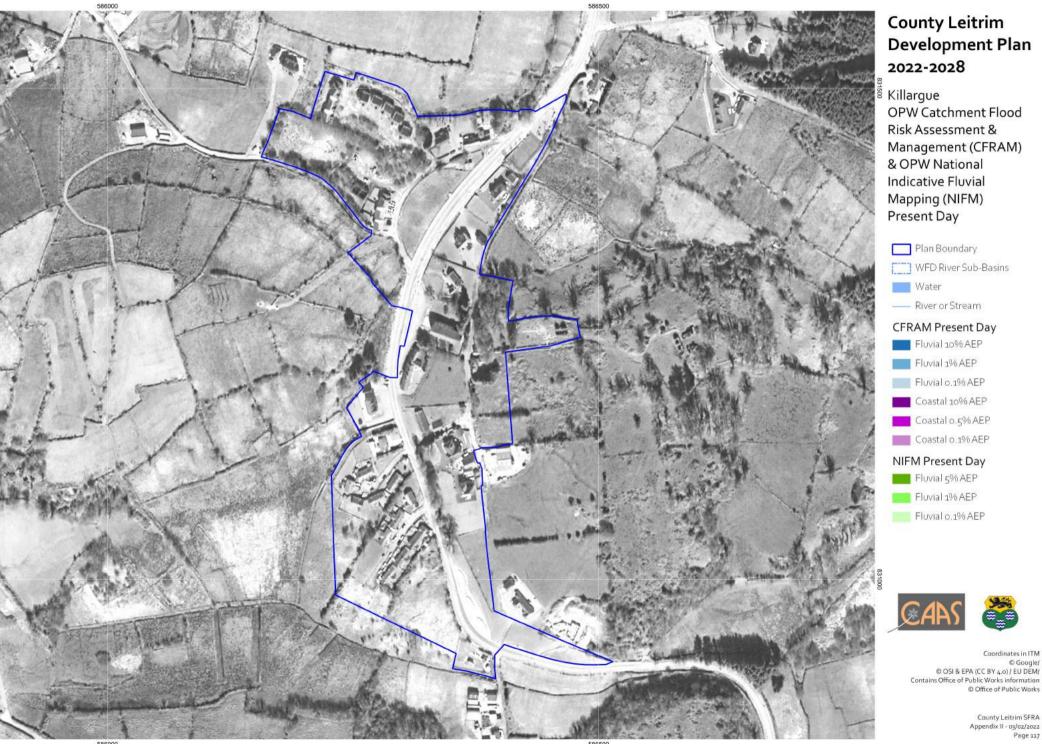
Coastal o.1% AEP

Groundwater



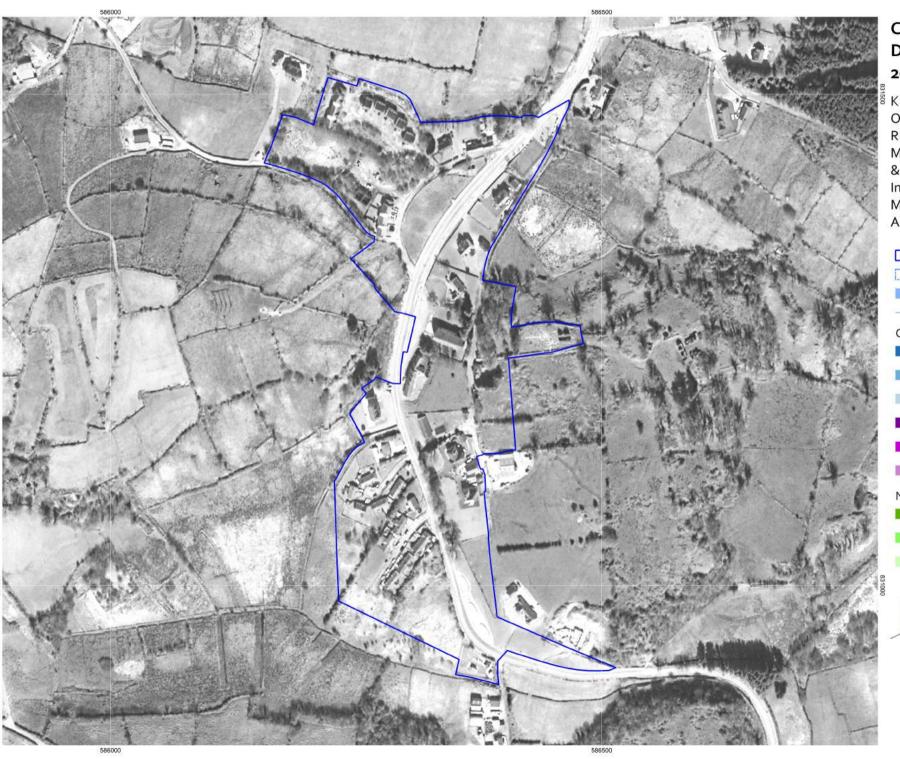


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Killargue
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario o.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

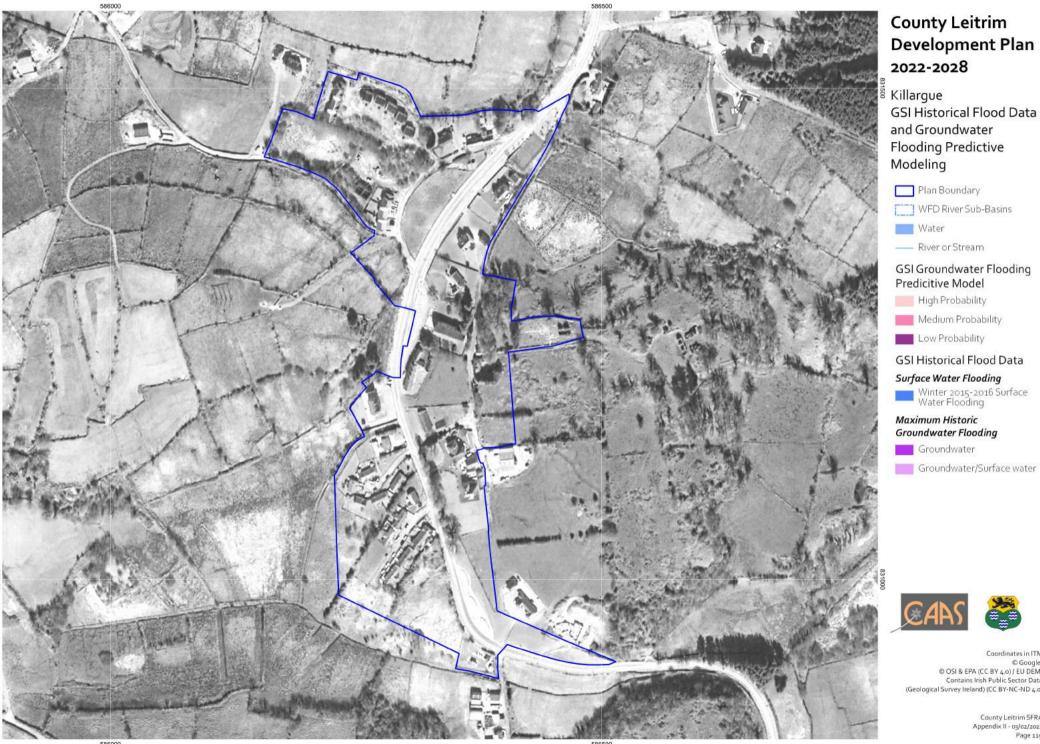
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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GSI Historical Flood Data and Groundwater Flooding Predictive



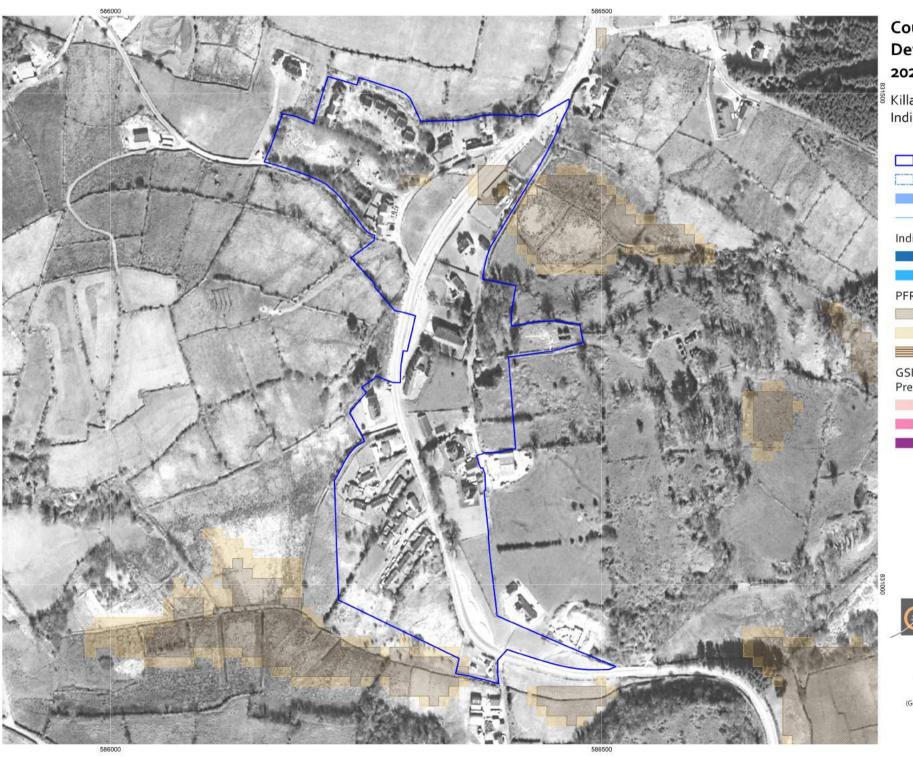
## GSI Groundwater Flooding



Winter 2015-2016 Surface Water Flooding



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Killargue Indicative Flood Zones







- River or Stream

### Indicative Flood Zones

Flood Zone A



## PFRA







## GSI Groundwater Flooding Predictive Model

High Probability

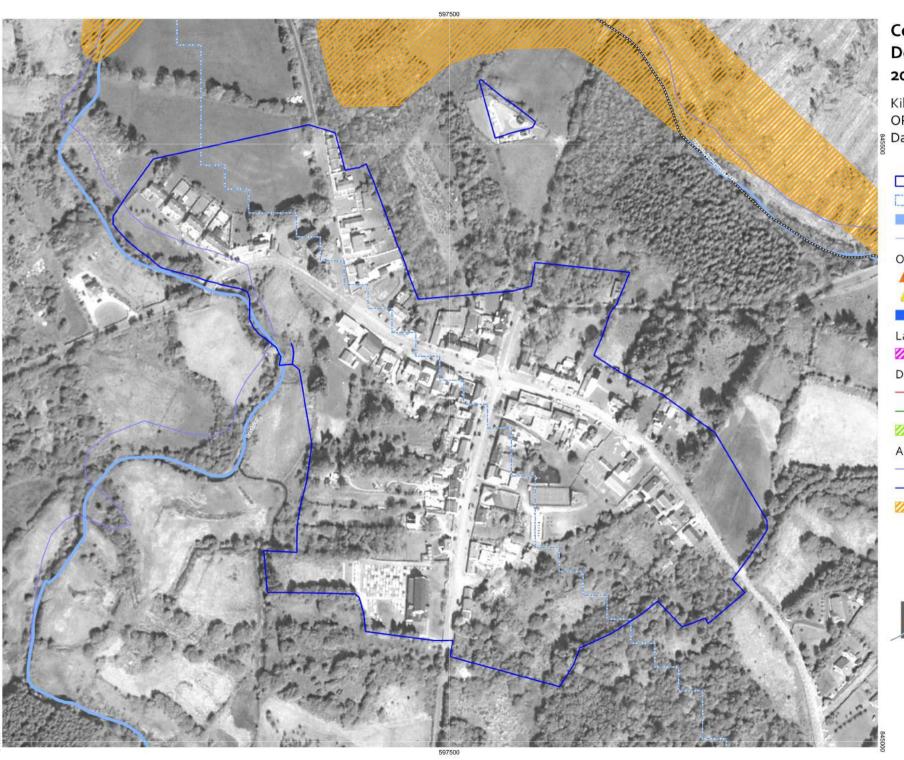


Low Probability





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Kiltyclogher OPW Historical Flood B Data

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## **OPW Past Flood Events**

Single Flood Event

Recurring Flood Event

Past Flood Extent

Land Commission

Benefited Lands

## Drainage District

--- Channel

- Embankment

Benefited Lands

## Arterial Drainage Scheme

--- Channel

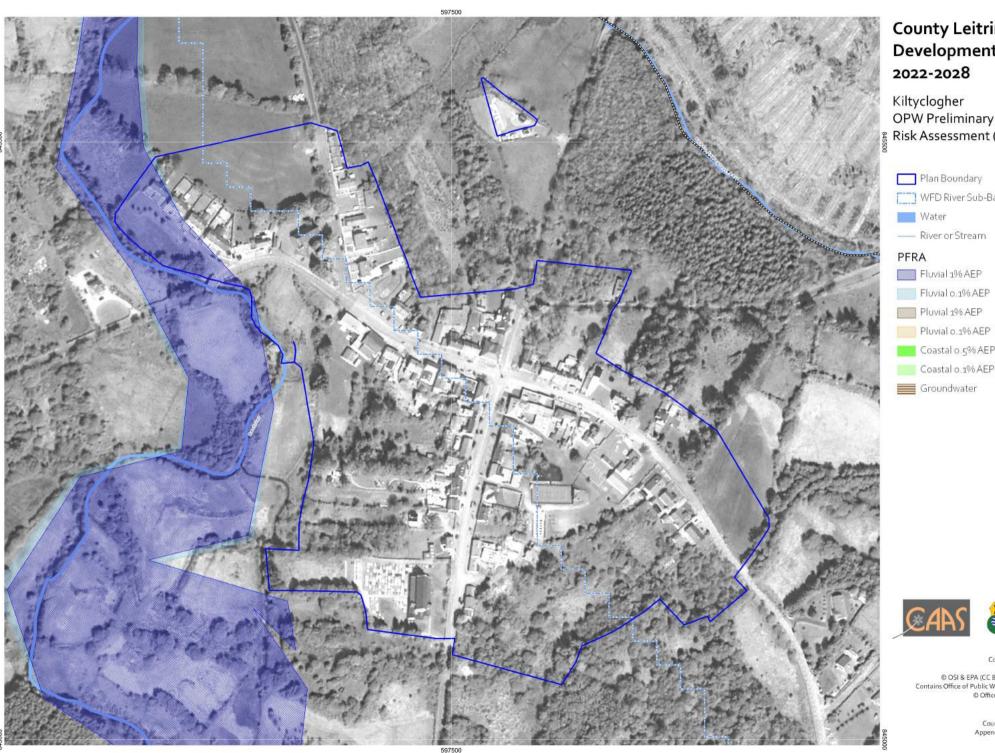
- Embankment

Benefited Lands





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OPW Preliminary Flood Risk Assessment (PFRA)

















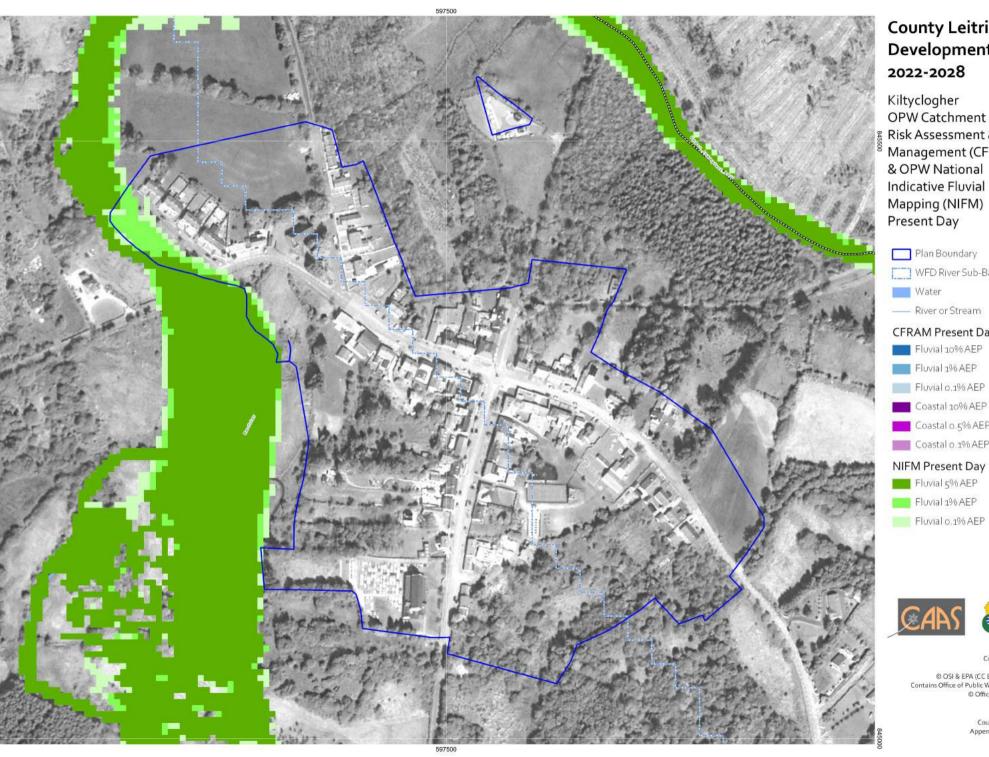








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Kiltyclogher OPW Catchment Flood Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) Present Day







- River or Stream

## CFRAM Present Day





Fluvial 0.1% AEP



Coastal o.5% AEP

Coastal o.1% AEP

## NIFM Present Day

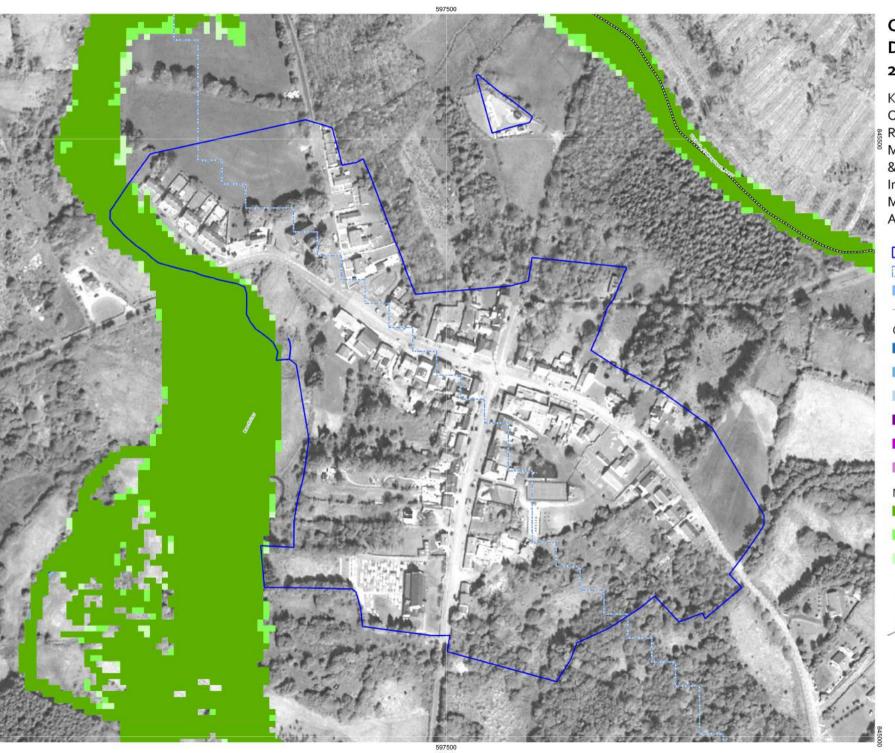
Fluvial 5% AEP







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Kiltyclogher
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

— River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario o.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

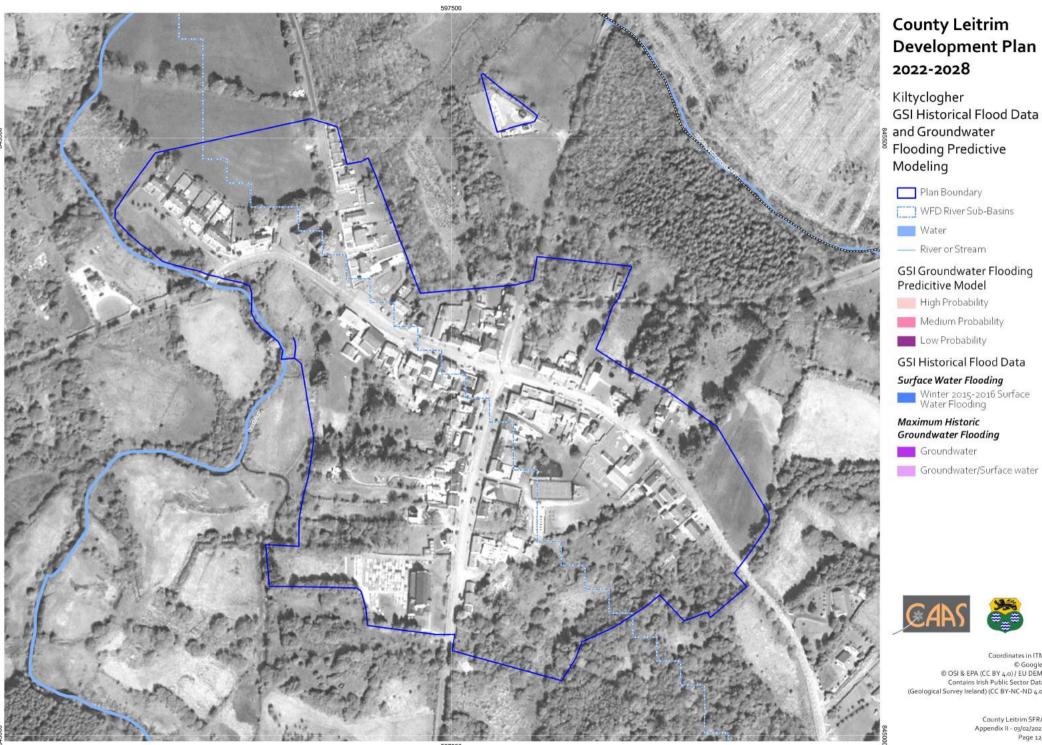
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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GSI Historical Flood Data Flooding Predictive



## GSI Groundwater Flooding

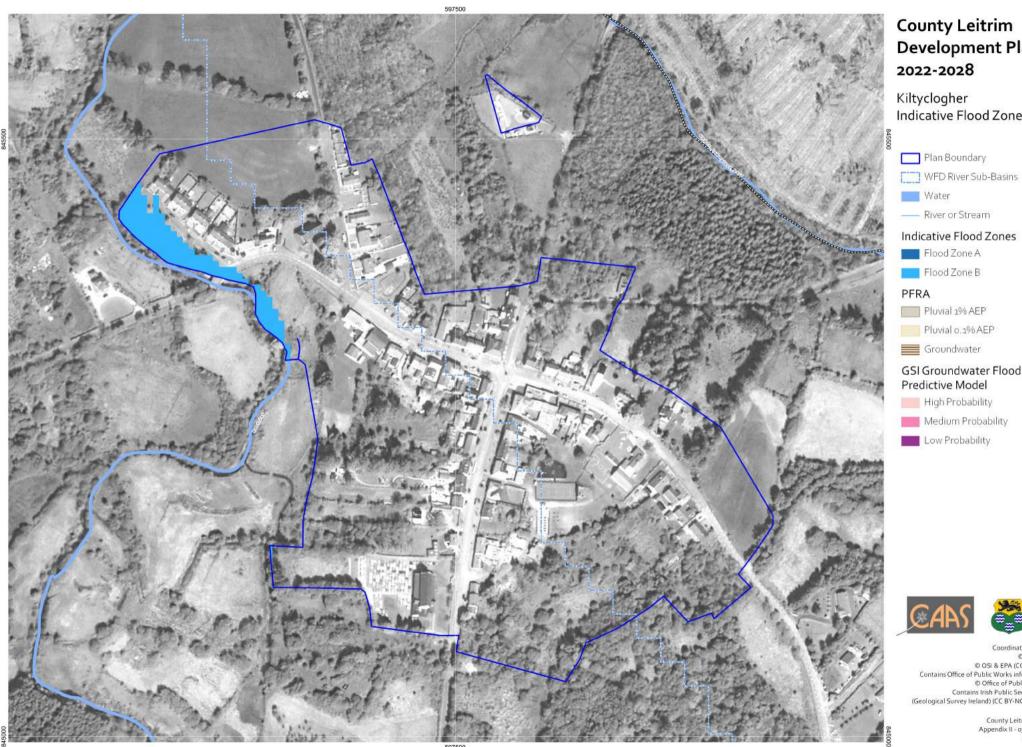


Winter 2015-2016 Surface Water Flooding





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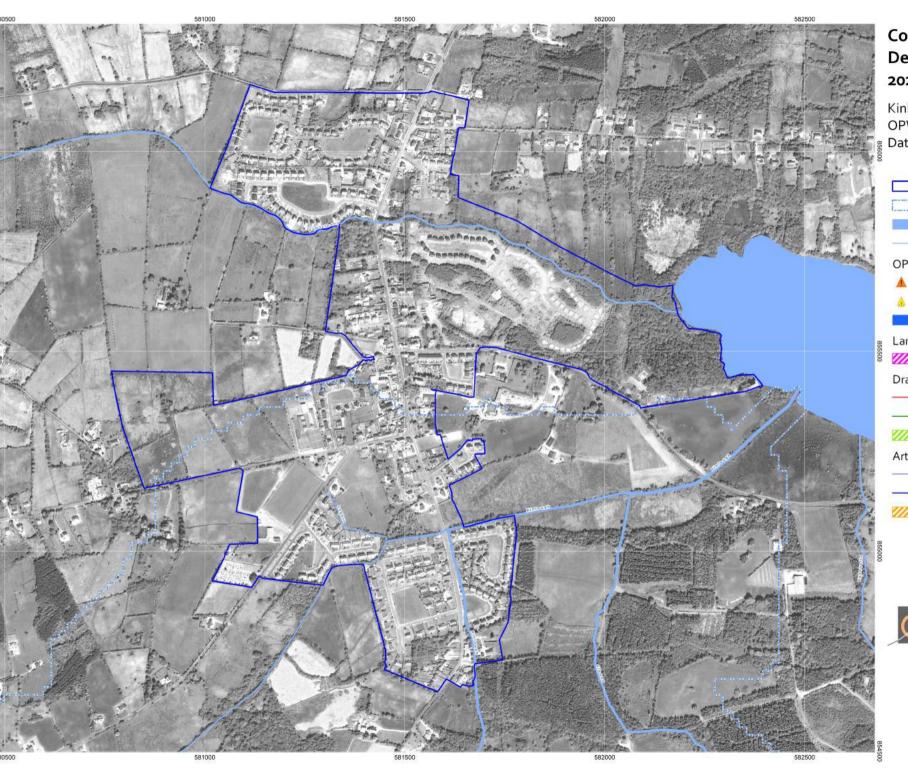
Indicative Flood Zones

GSI Groundwater Flooding

Medium Probability



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Kinlough **OPW Historical Flood** Data

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

**OPW Past Flood Events** 

Single Flood Event

Recurring Flood Event

Past Flood Extent

Land Commission

Benefited Lands

Drainage District

--- Channel

- Embankment

Benefited Lands

Arterial Drainage Scheme

- Channel

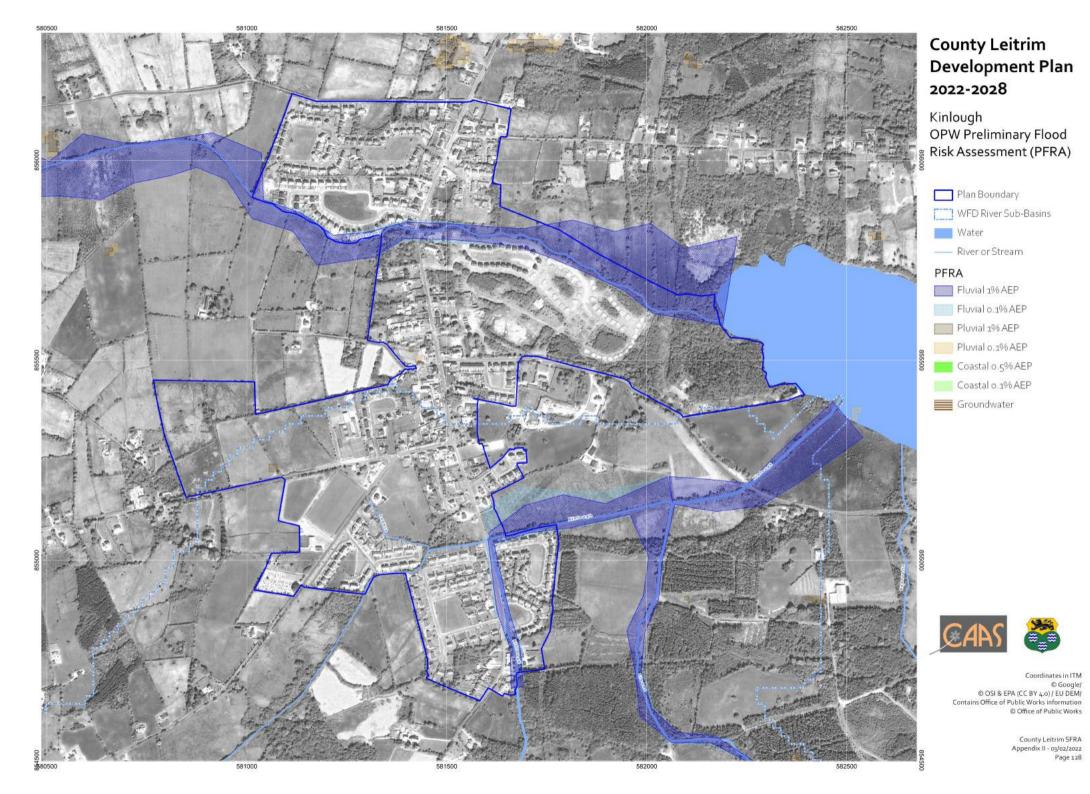
- Embankment

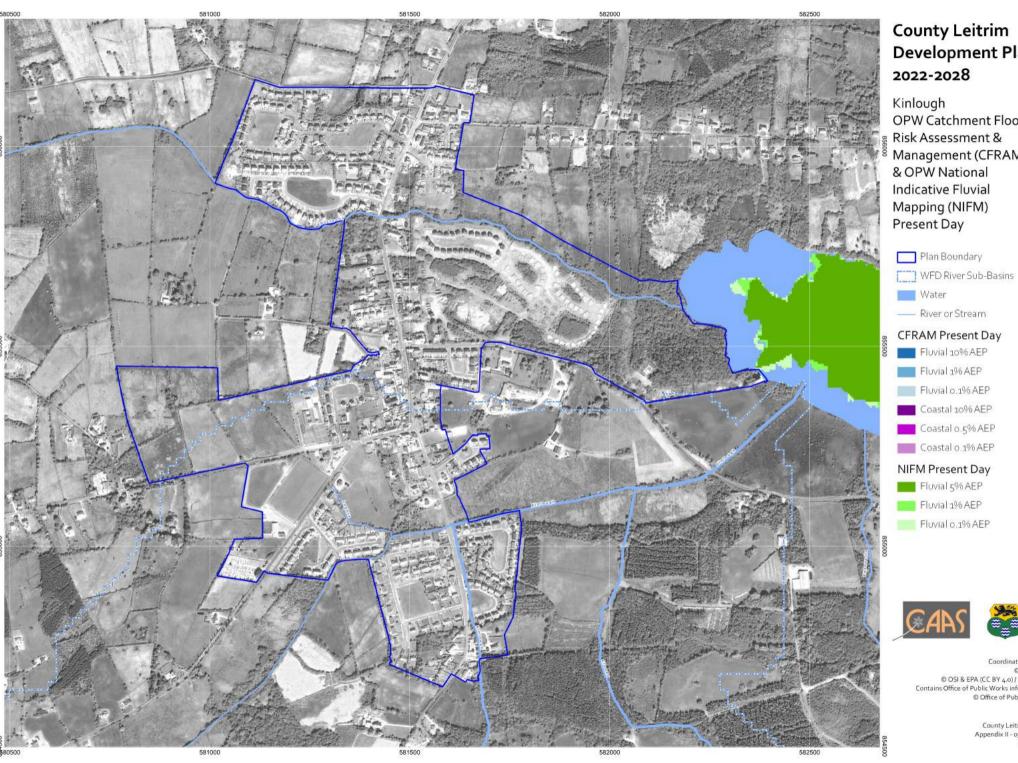
Benefited Lands





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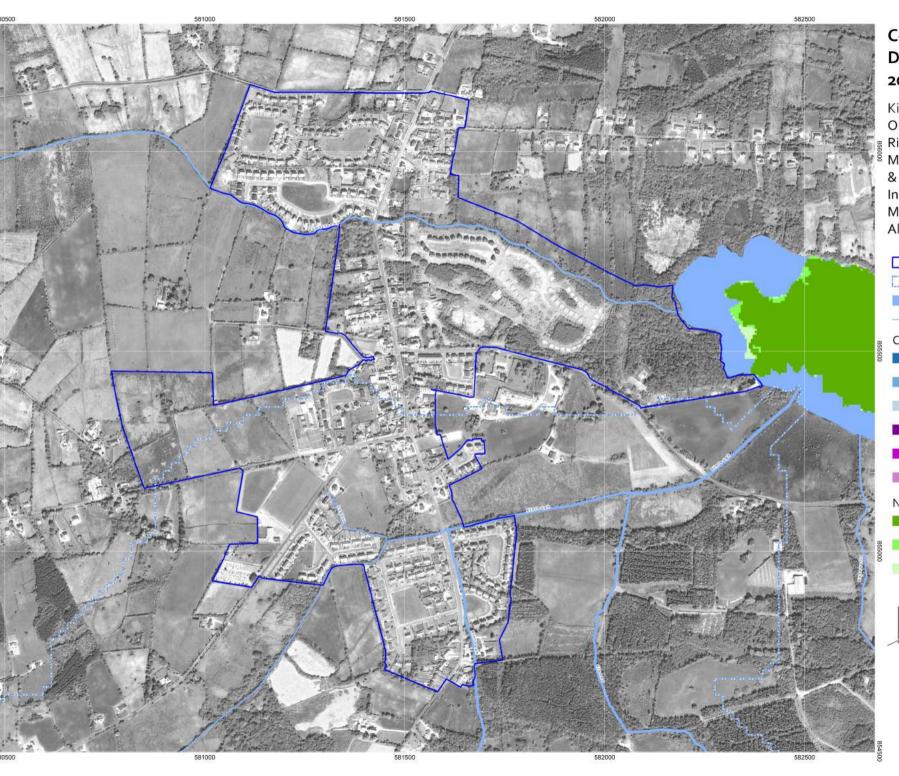




OPW Catchment Flood Risk Assessment & Management (CFRAM)



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Kinlough
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

— River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario o.1% AEP

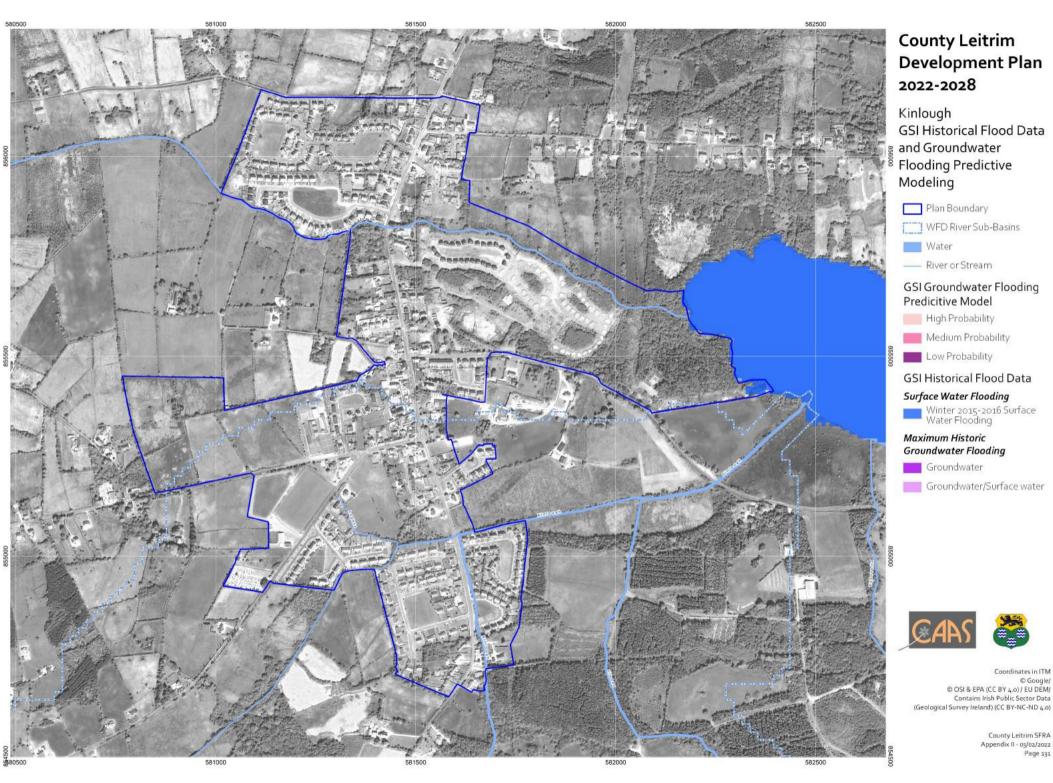
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Fluvial High-End Future Scenario 0.1% AEP



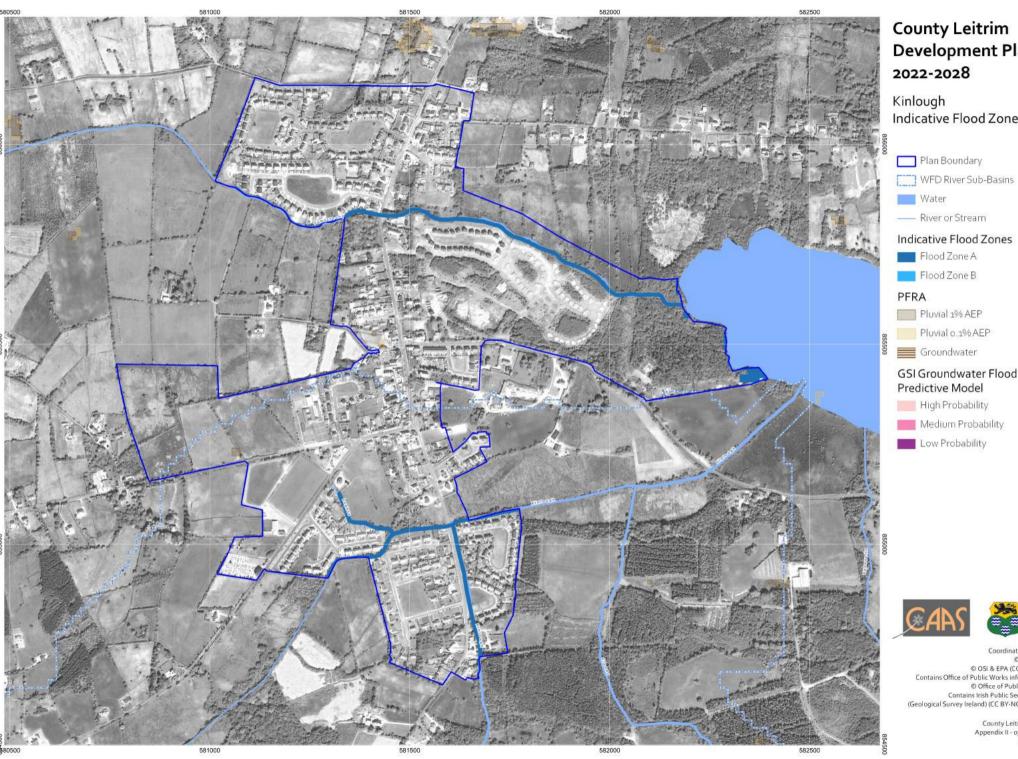


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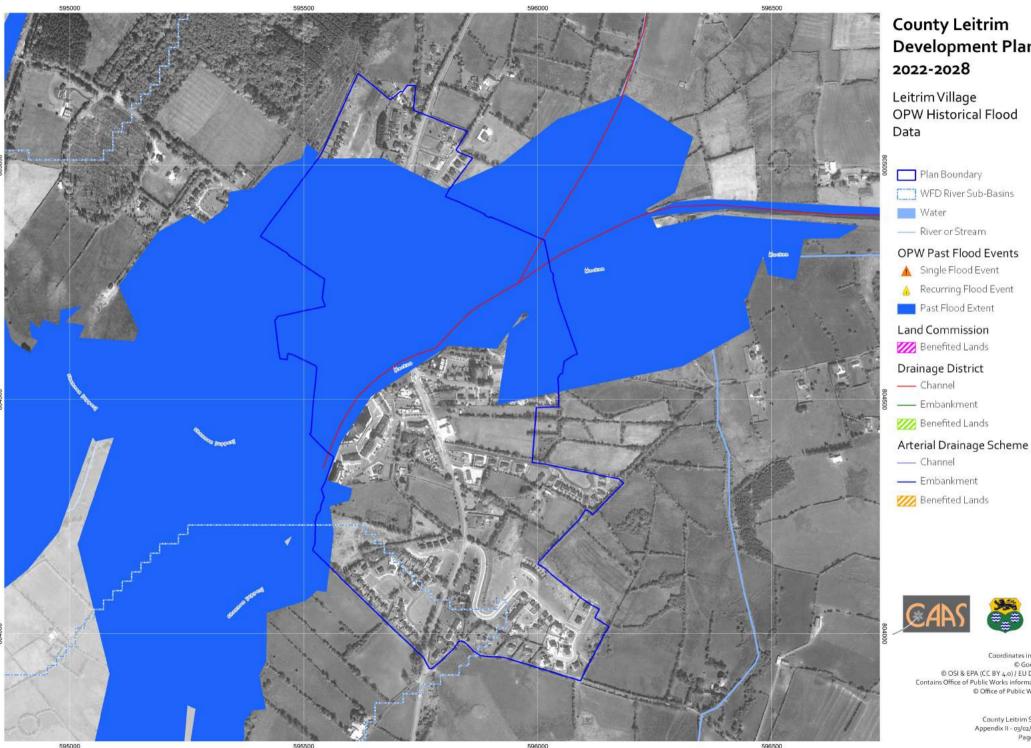
Indicative Flood Zones

## GSI Groundwater Flooding

Medium Probability



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OPW Historical Flood



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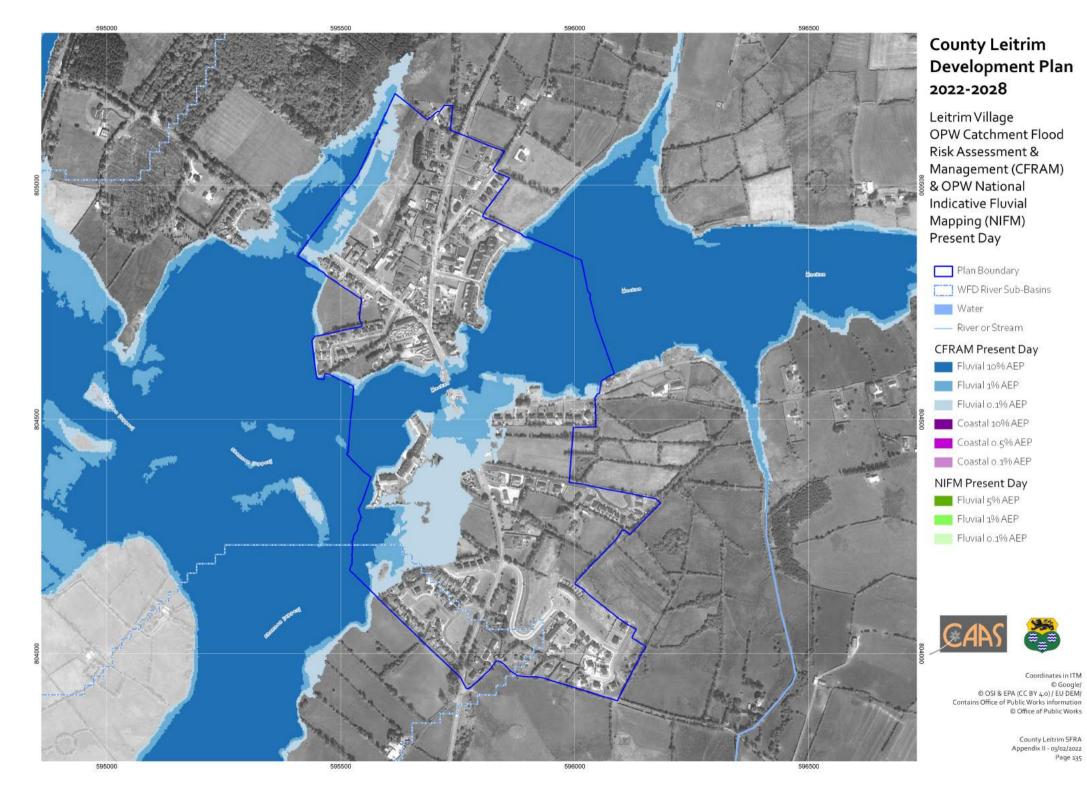


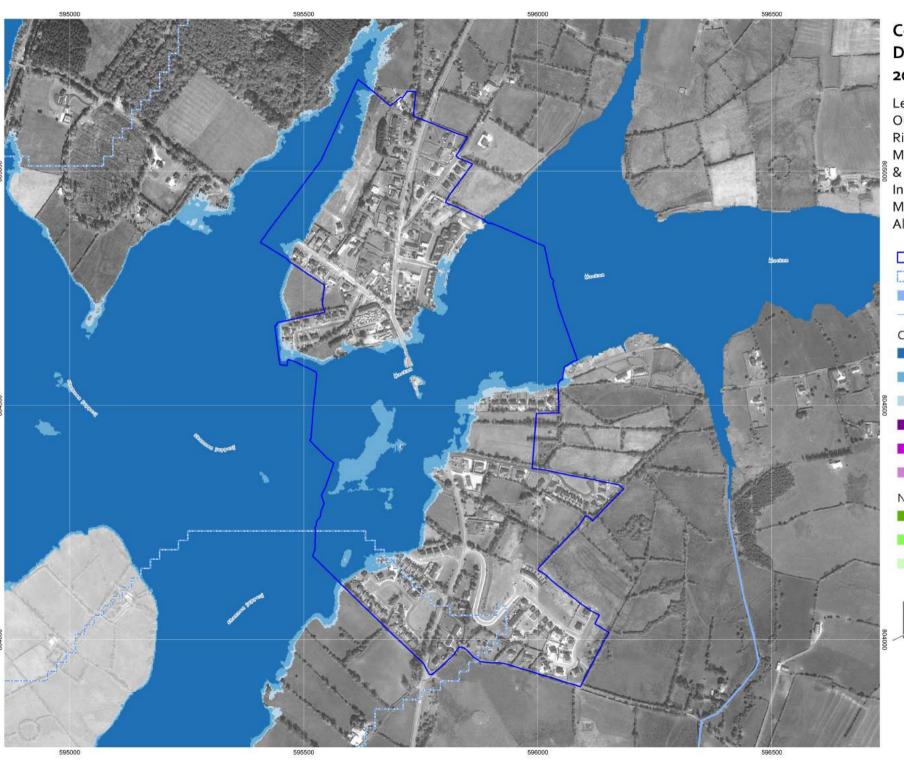
OPW Preliminary Flood Risk Assessment (PFRA)





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Leitrim Village
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario o.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

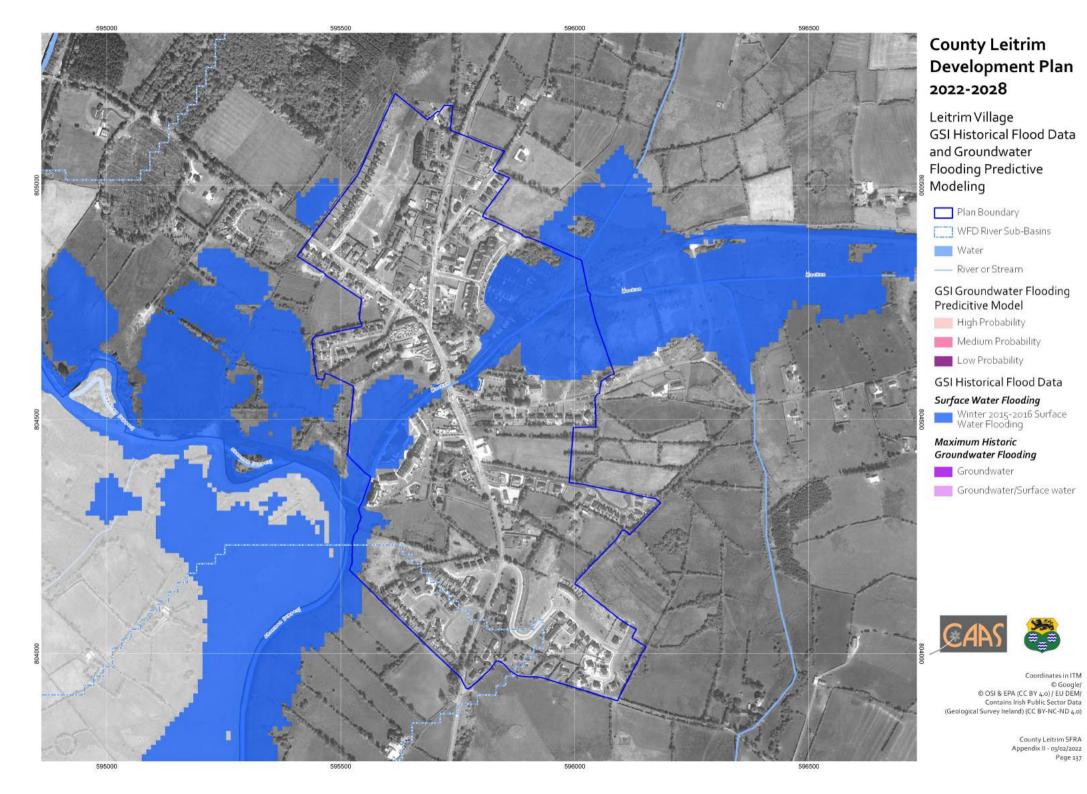
Fluvial Mid-Range Future Scenario o.1% AEP

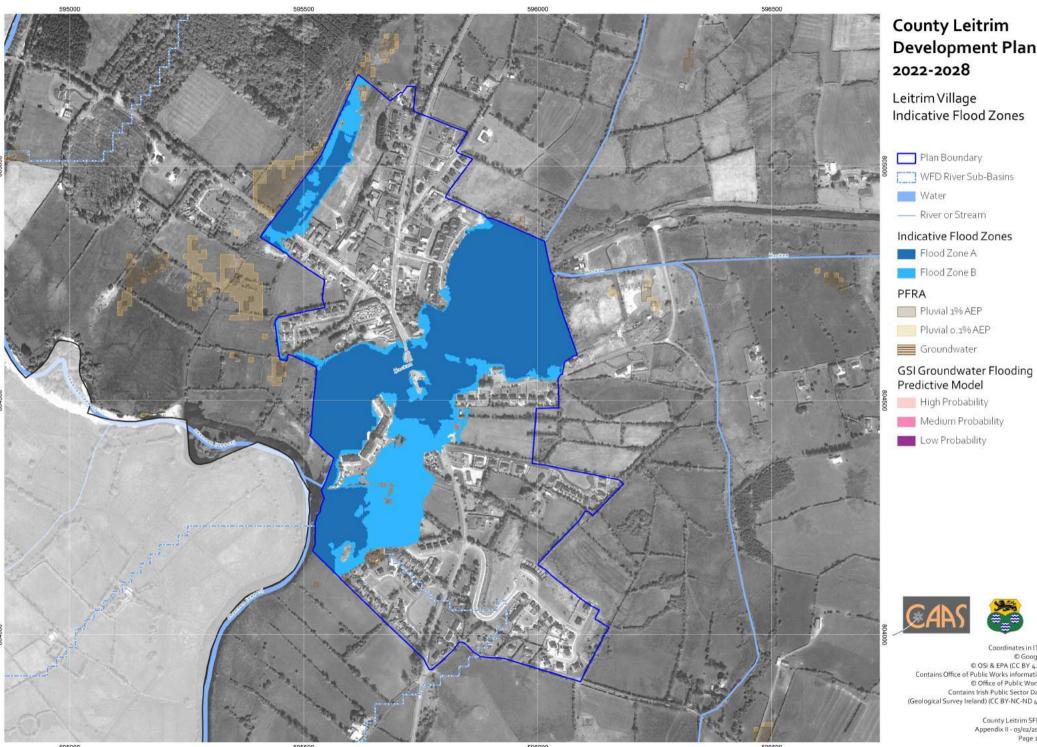
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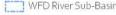




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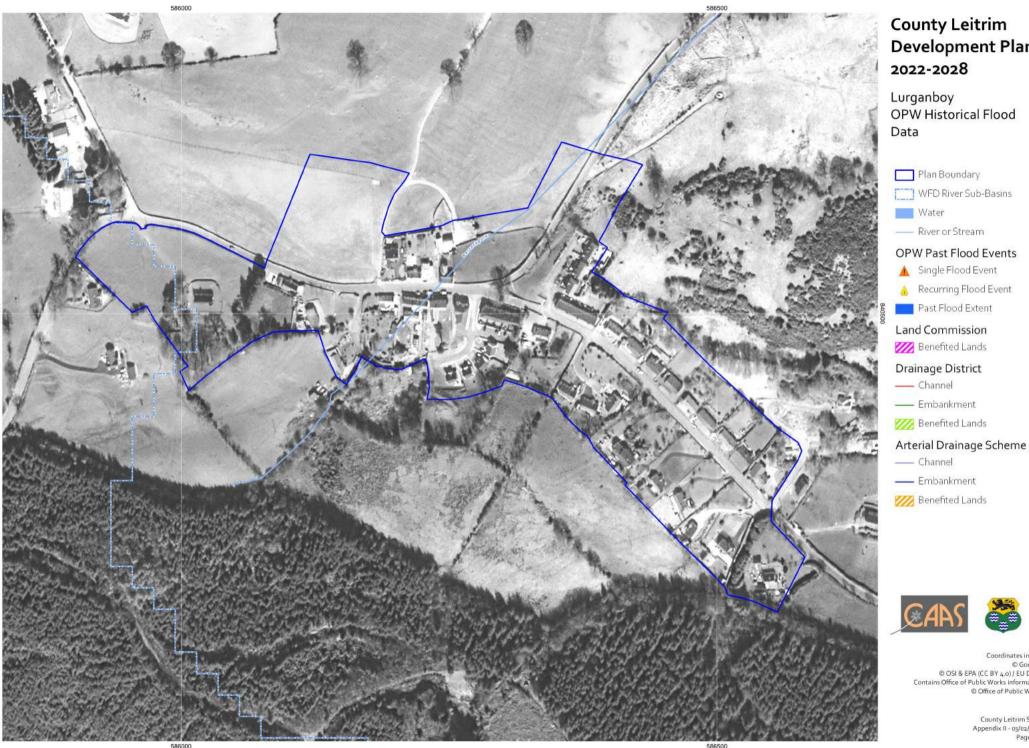








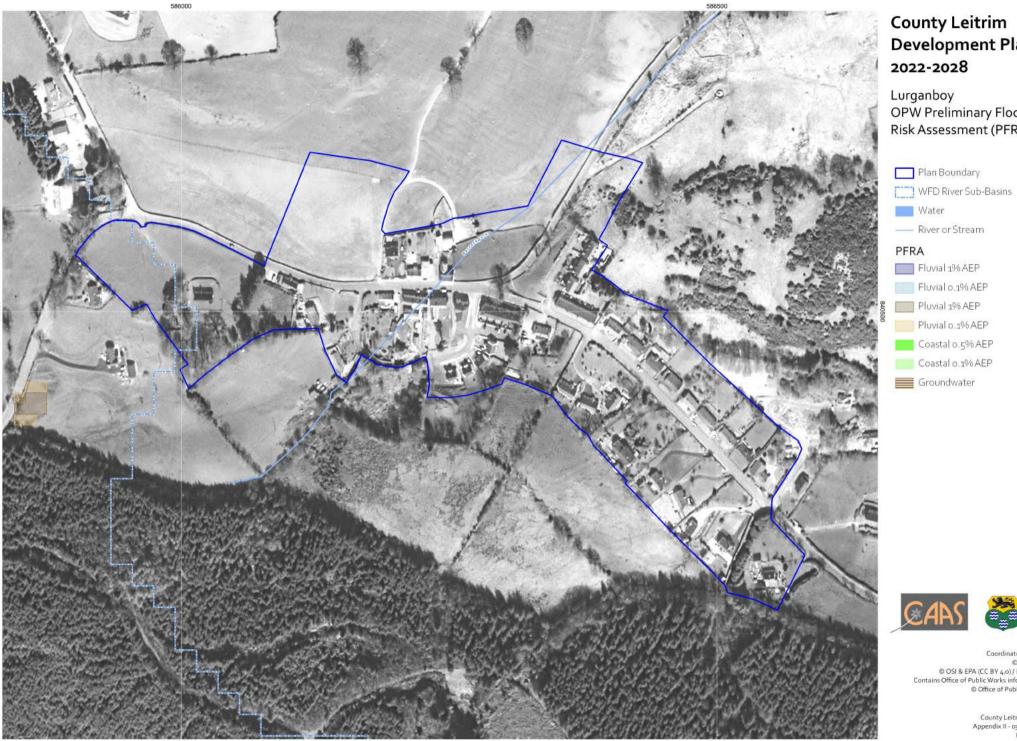
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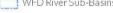
OPW Historical Flood



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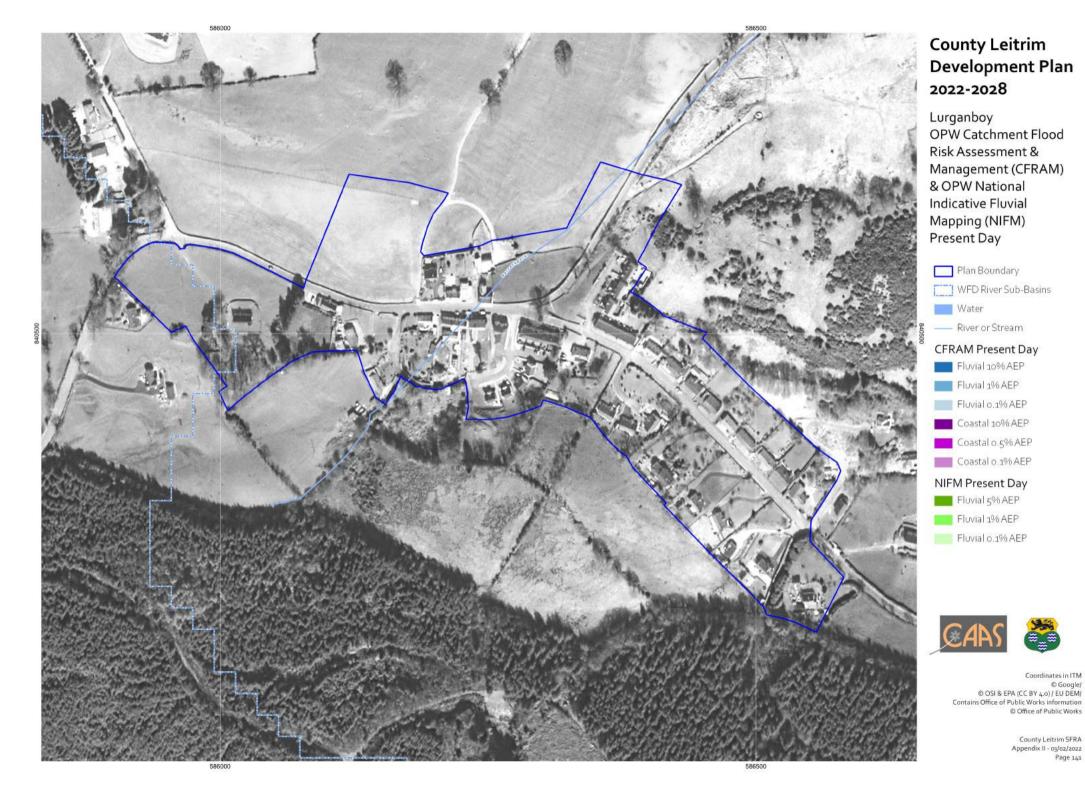
OPW Preliminary Flood Risk Assessment (PFRA)

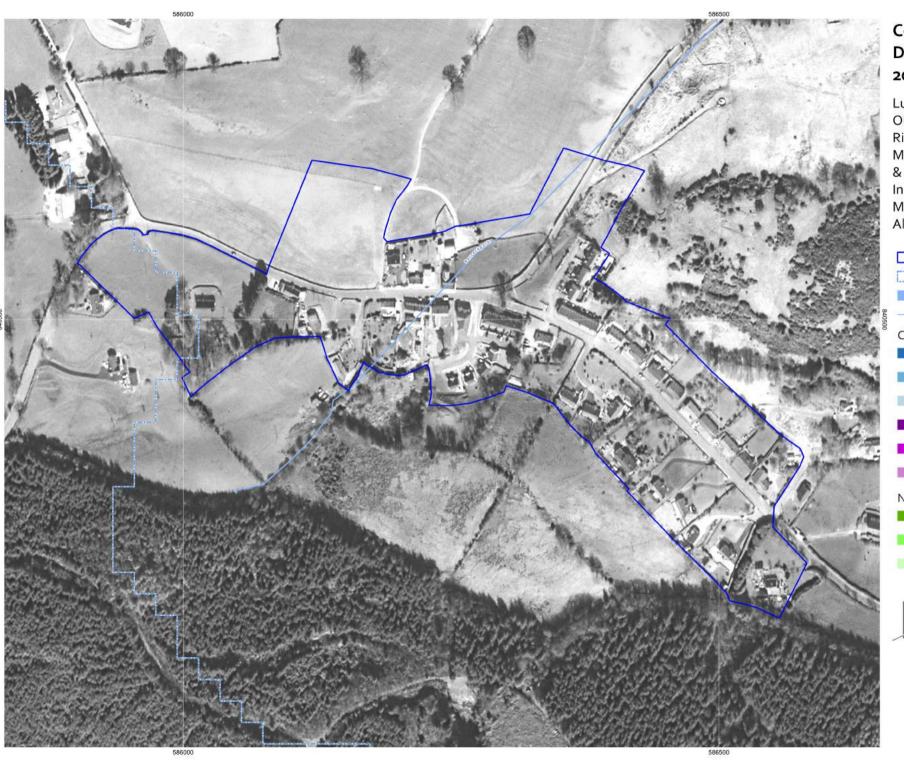






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Lurganboy
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

— River or Stream

### CFRAM All Scenarios

Fluvial Present Day Scenario o.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario 0.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

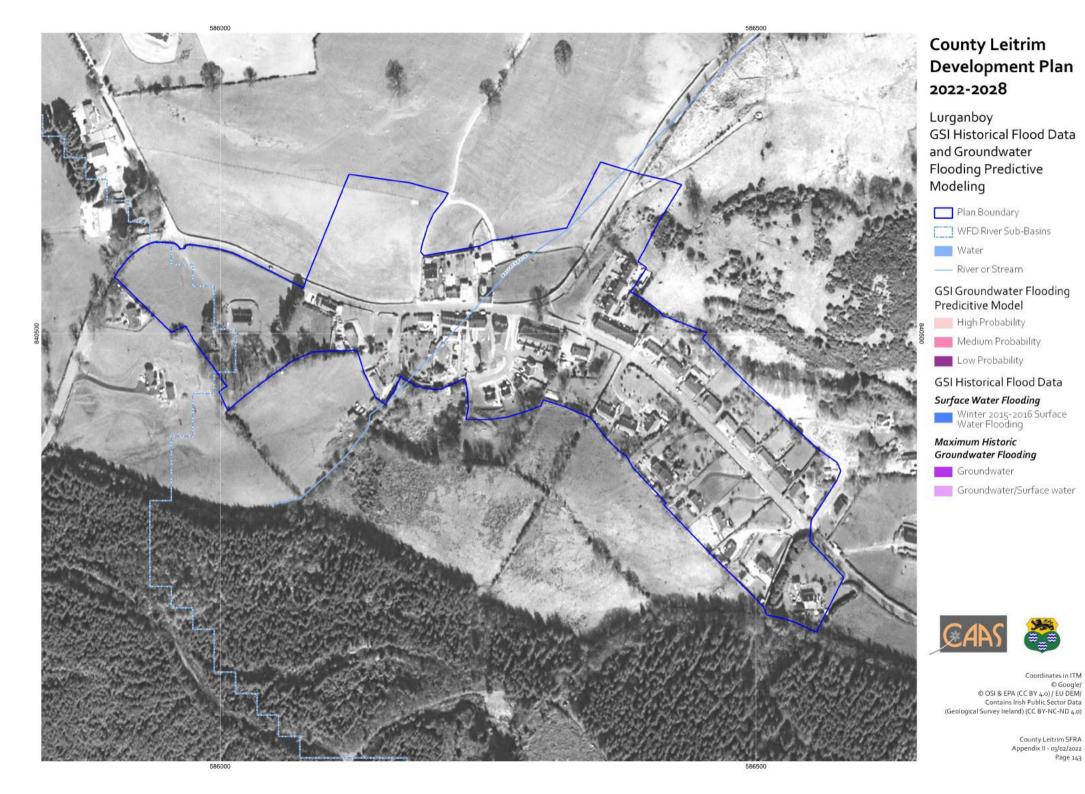
Fluvial Mid-Range Future Scenario o.1% AEP

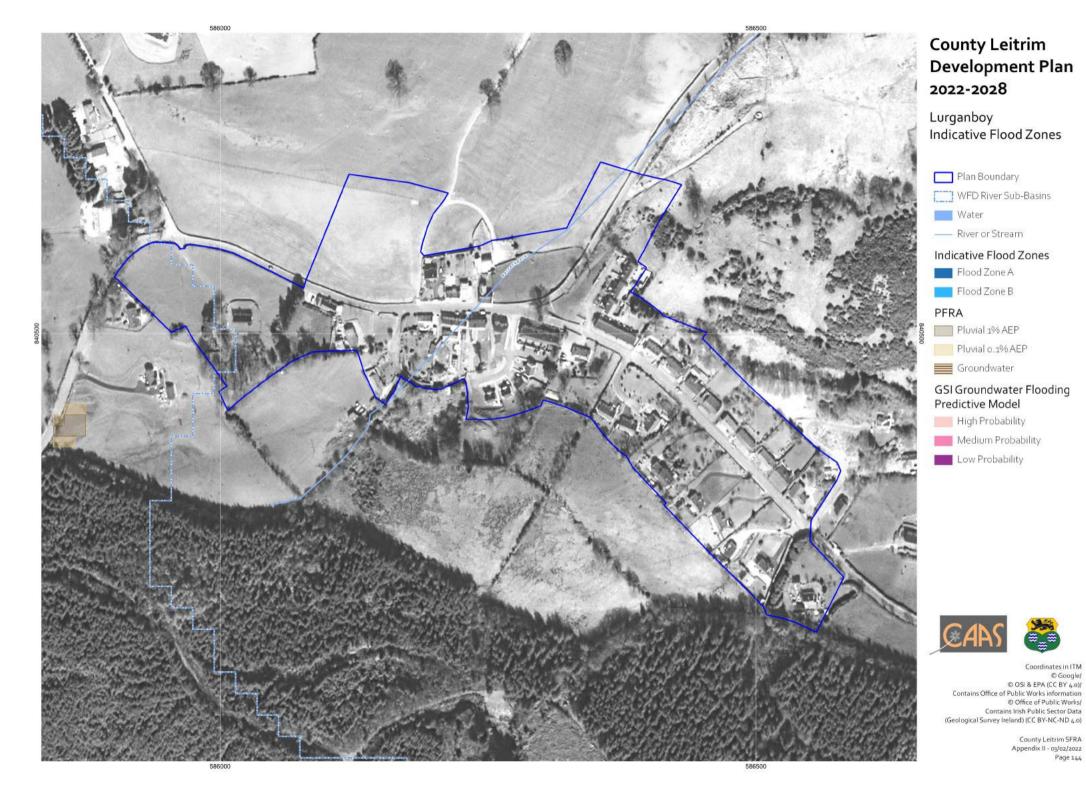
Fluvial High-End Future Scenario 0.1% AEP

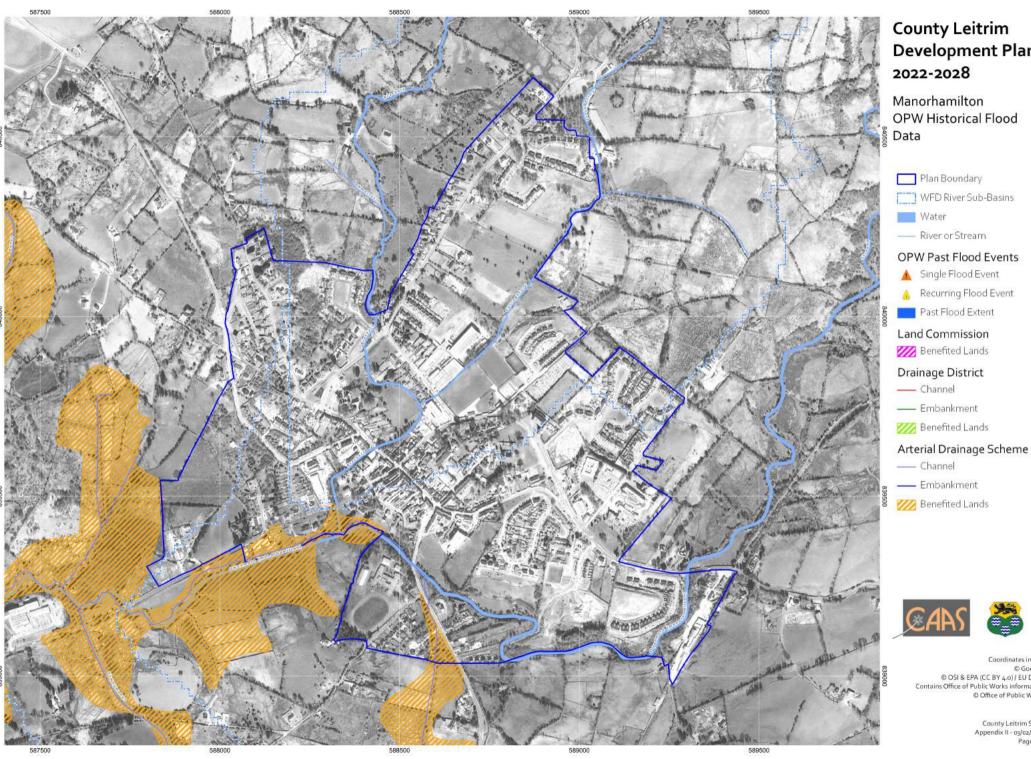




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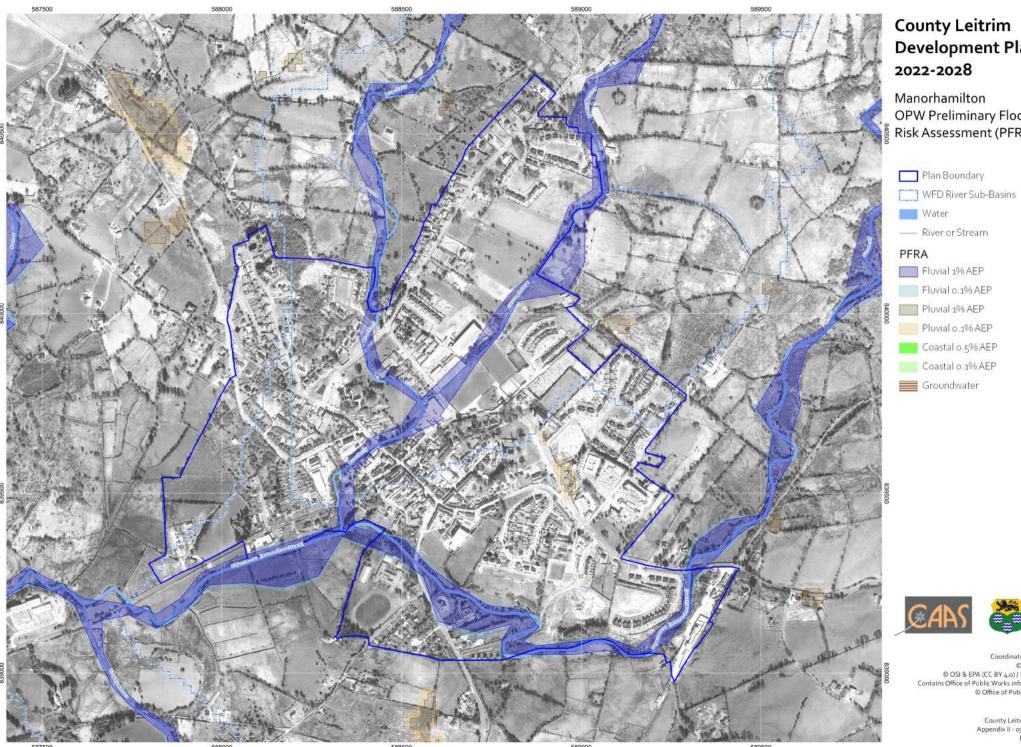




**OPW Historical Flood** 



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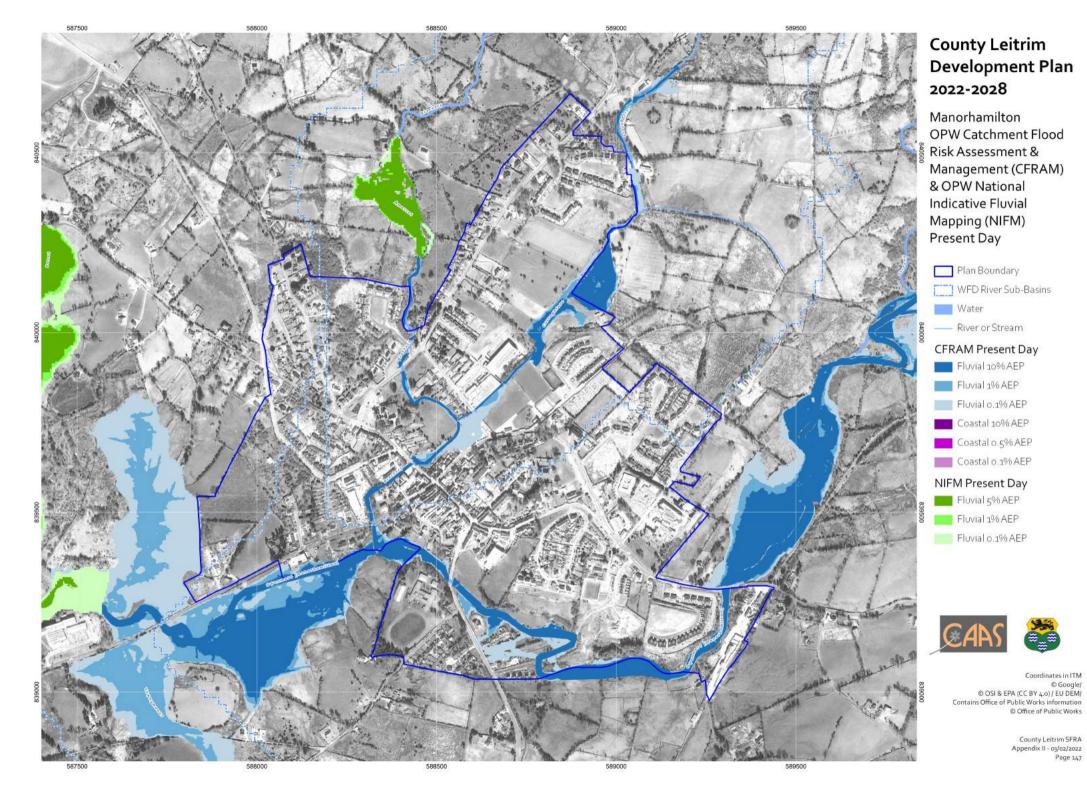


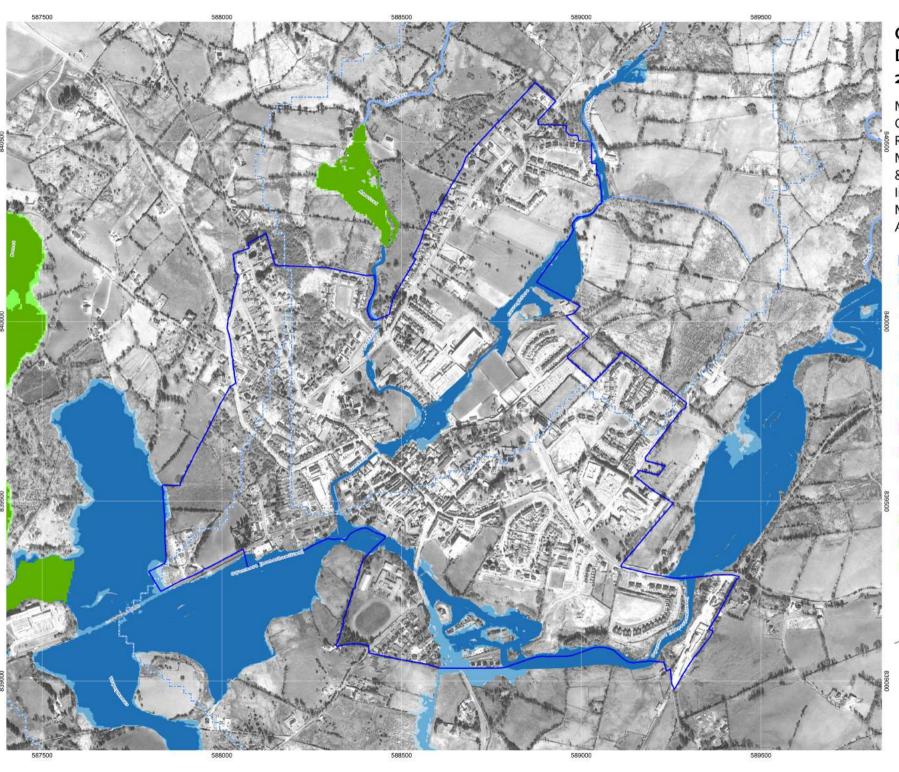
**OPW Preliminary Flood** Risk Assessment (PFRA)





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Manorhamilton
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios



WFD River Sub-Basins



- River or Stream

## CFRAM All Scenarios

- Fluvial Present Day Scenario o.1% AEP
- Fluvial Mid-Range Future Scenario 0.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP
- Coastal Present Day Scenario 0.1% AEP
- Coastal Mid-Range Future Scenario 0.1% AEP
- Coastal High-End Future Scenario 0.1% AEP

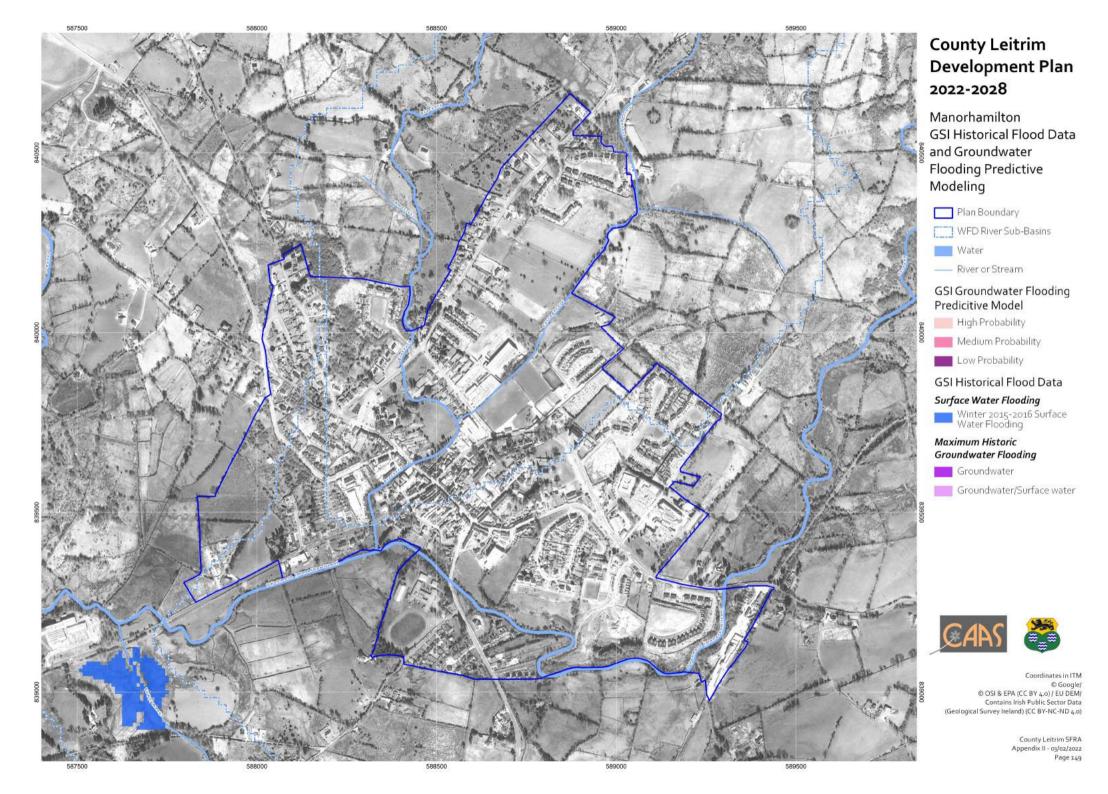
### NIFM All Scenarios

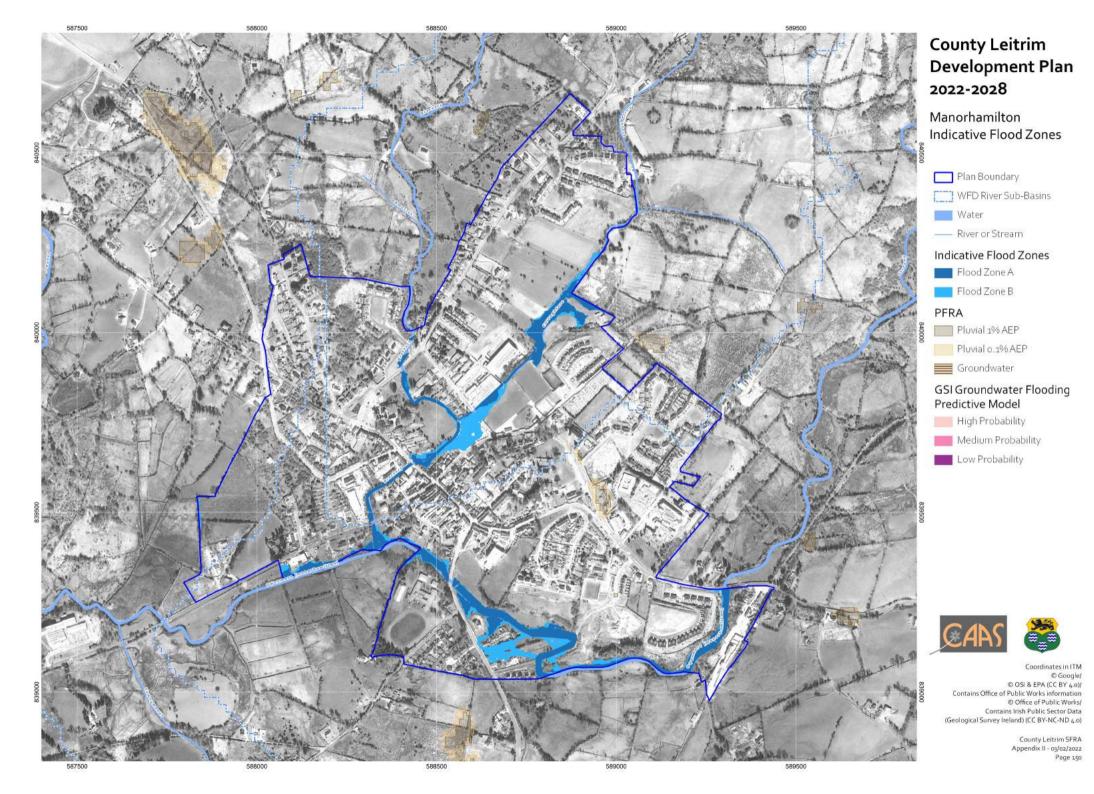
- Fluvial Present Day Scenario 0.1% AEP
- Fluvial Mid-Range Future Scenario o.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP





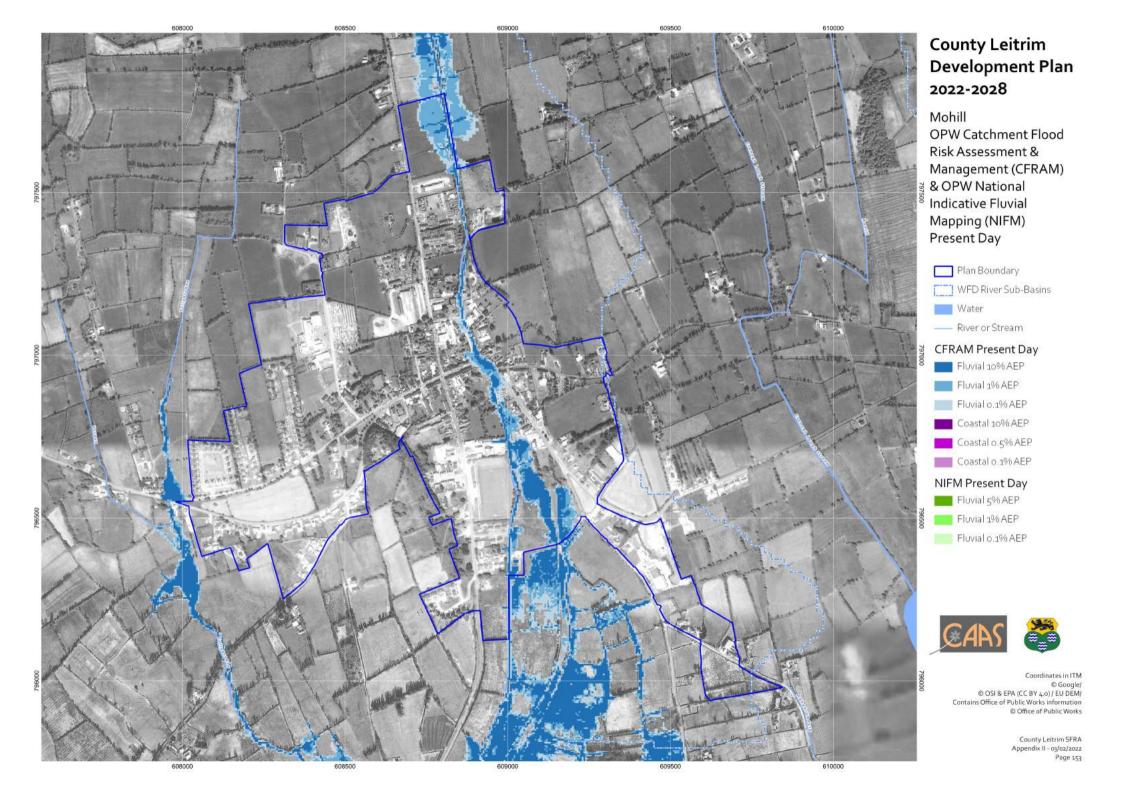
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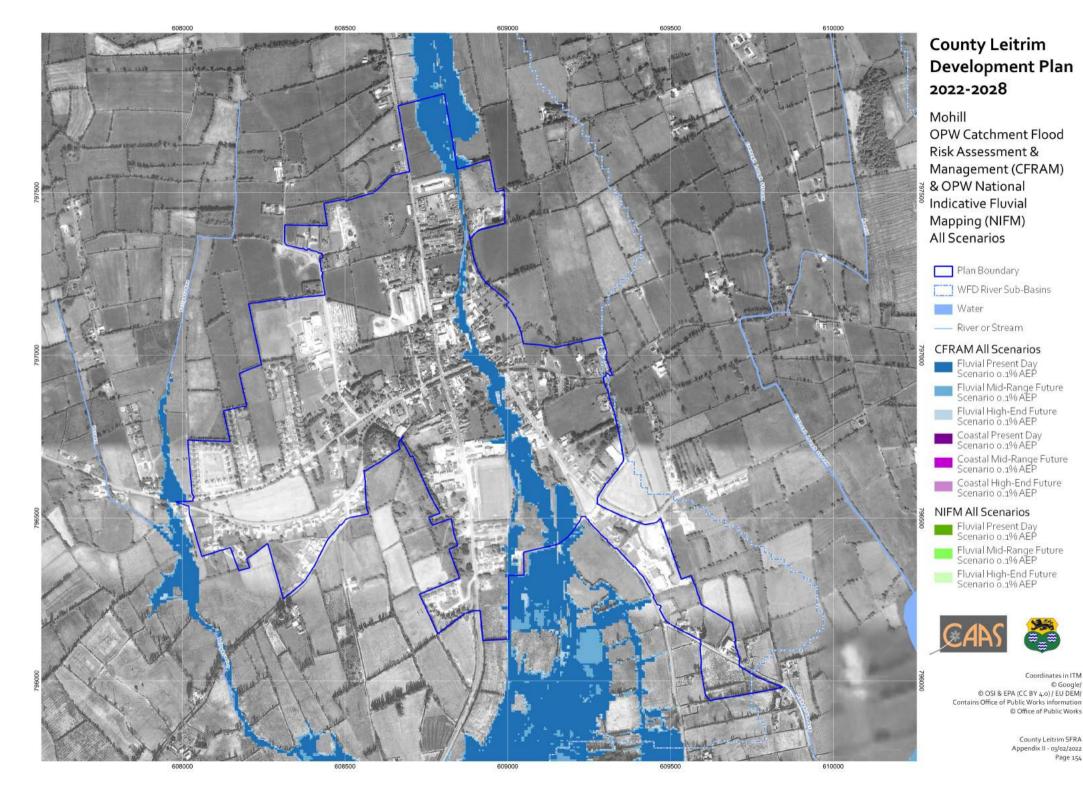










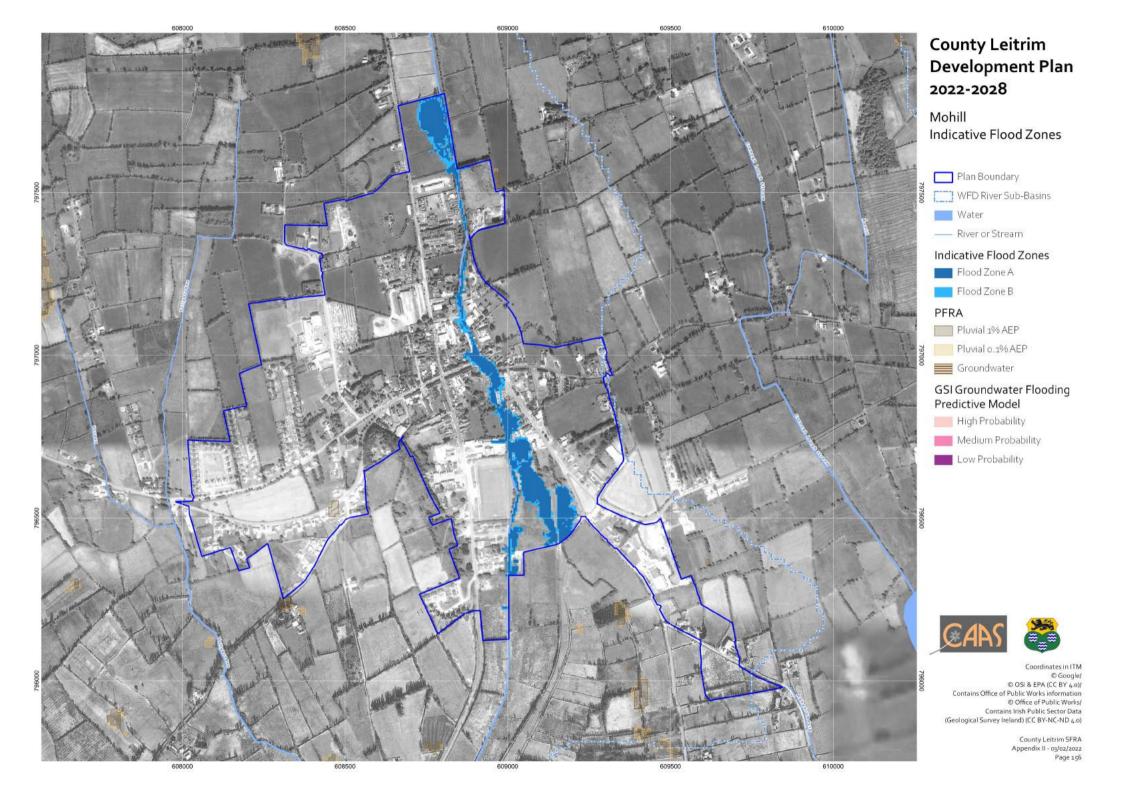


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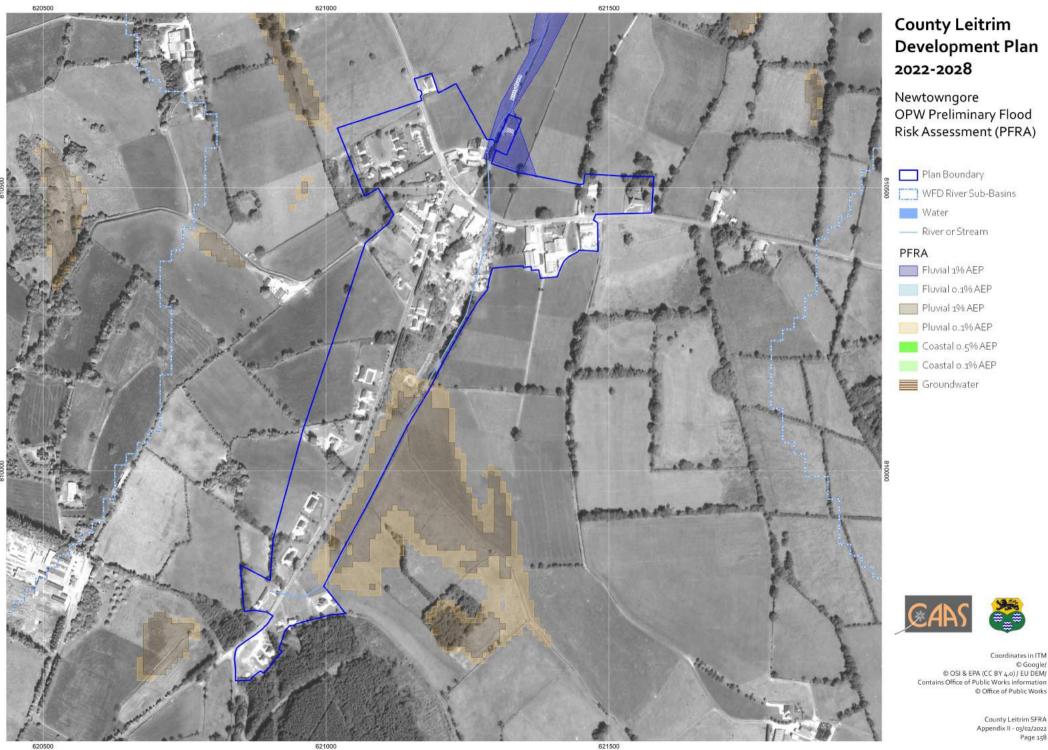




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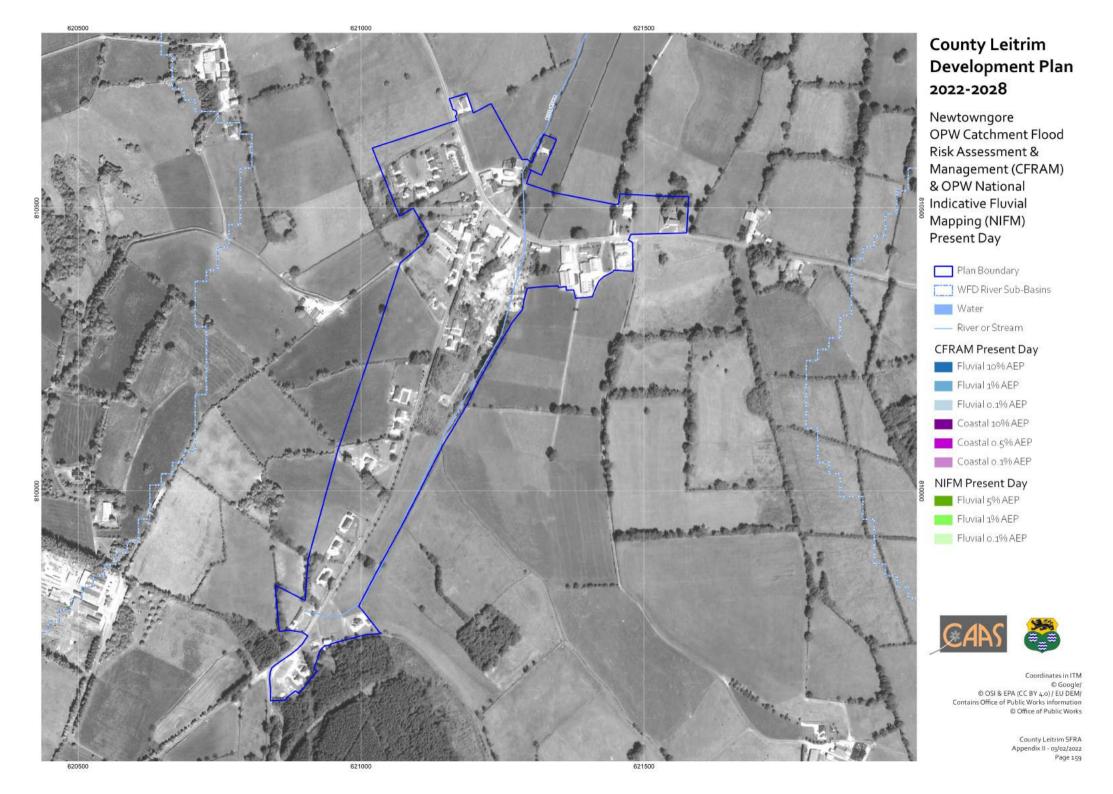
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OPW Preliminary Flood



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Newtowngore
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

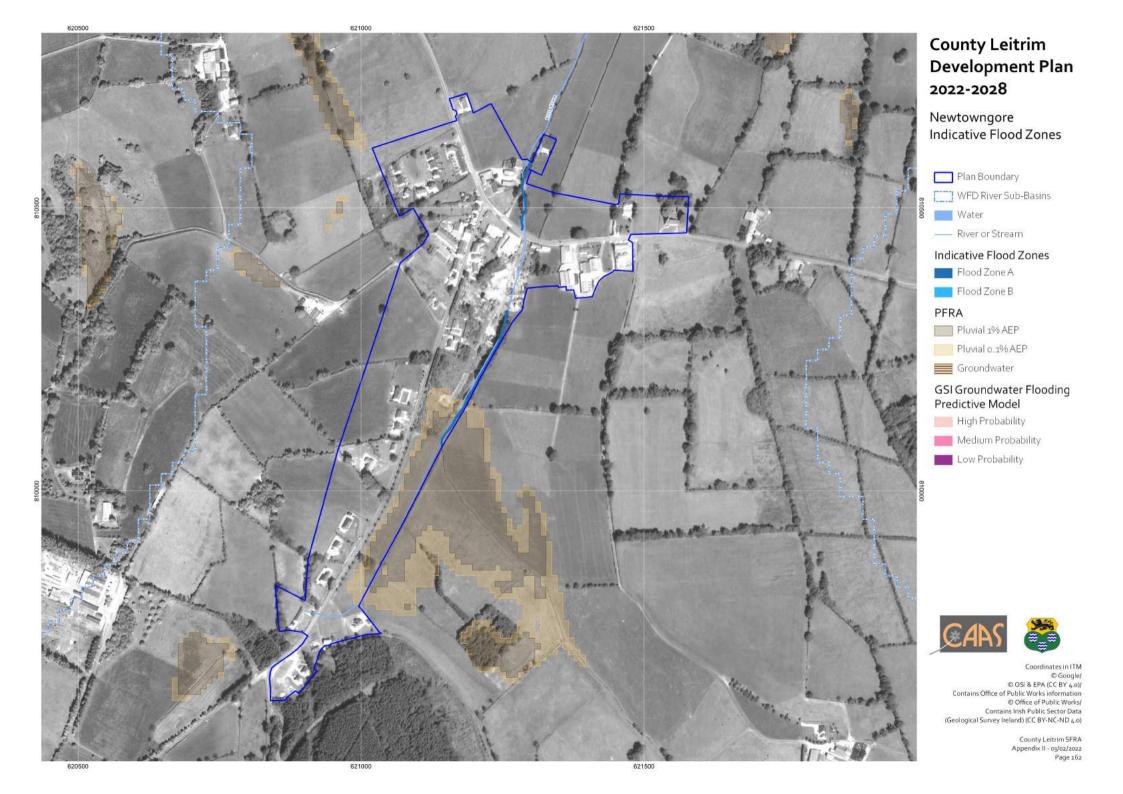
Fluvial High-End Future Scenario 0.1% AEP

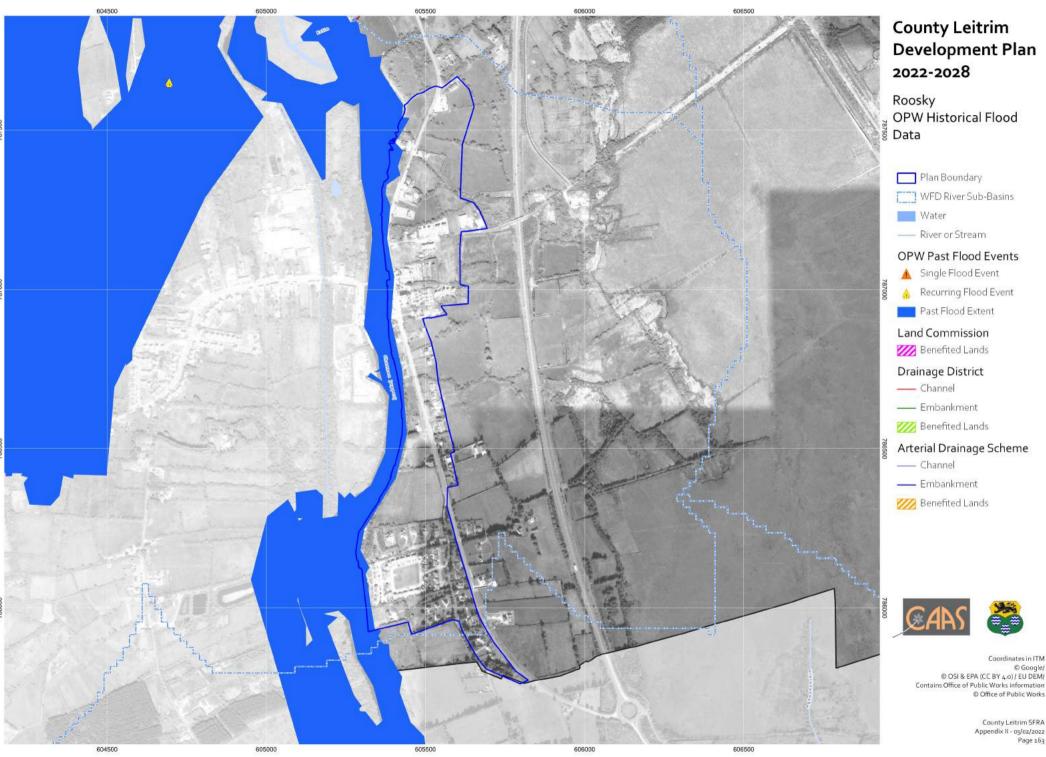




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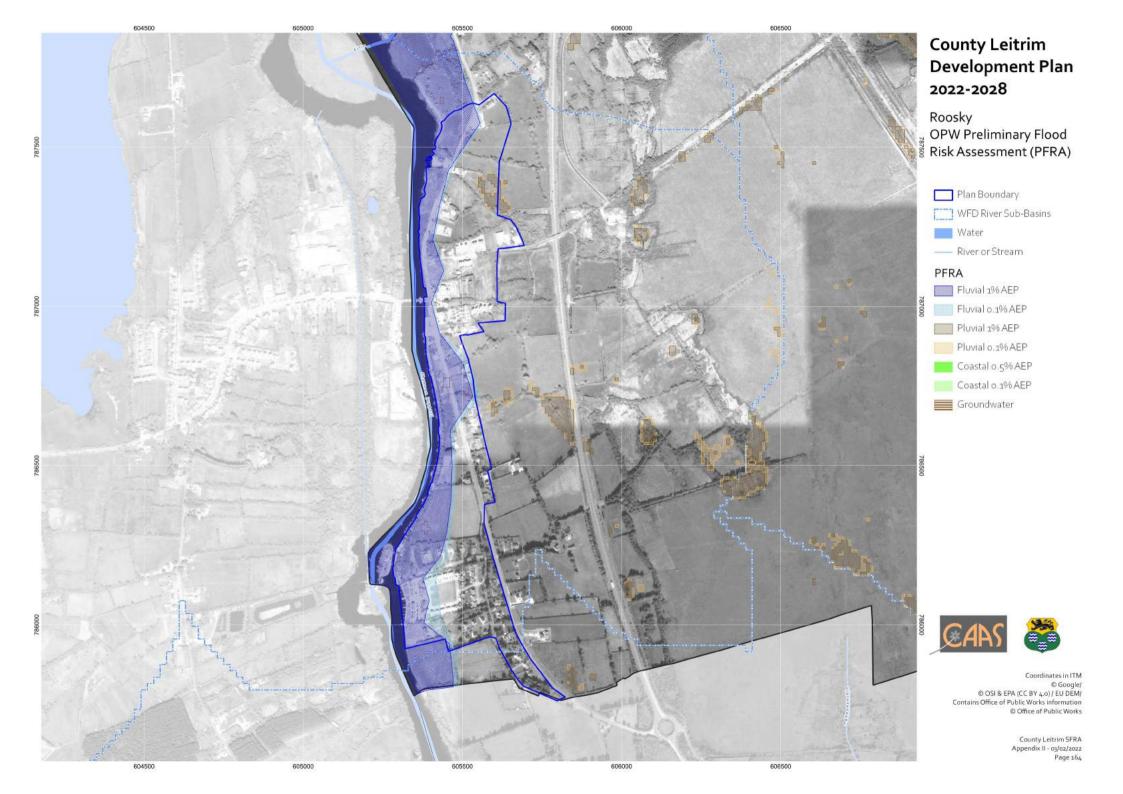


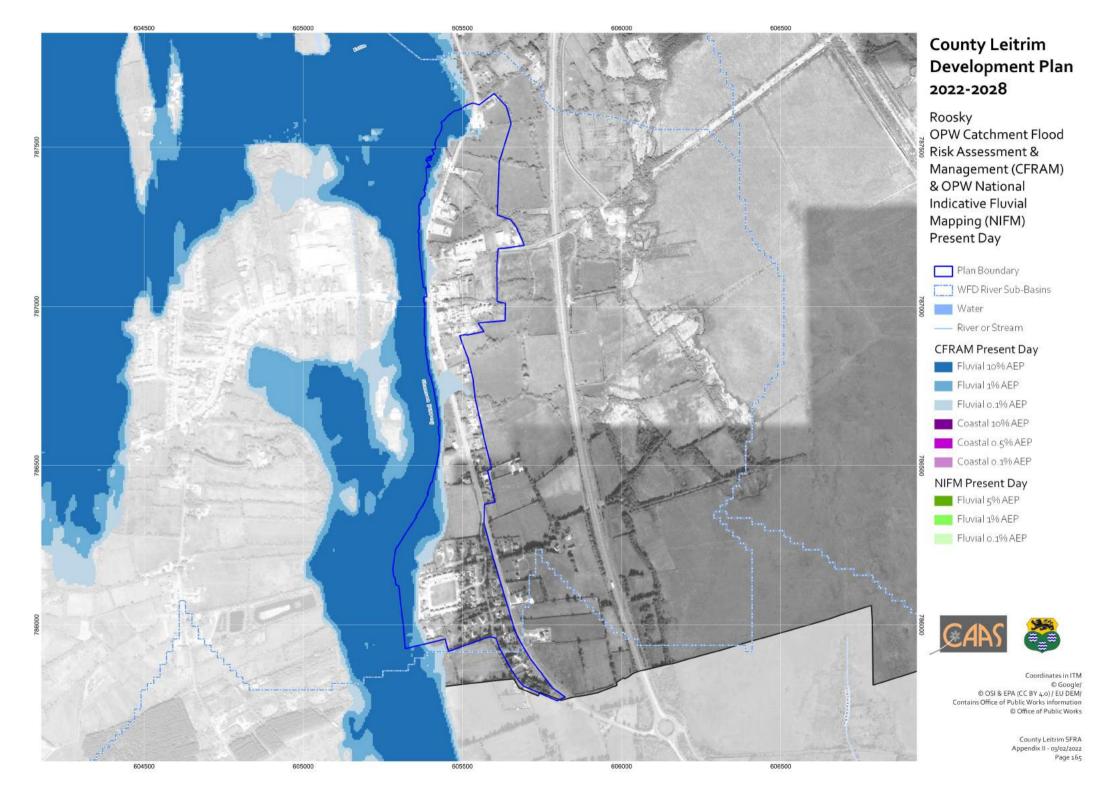


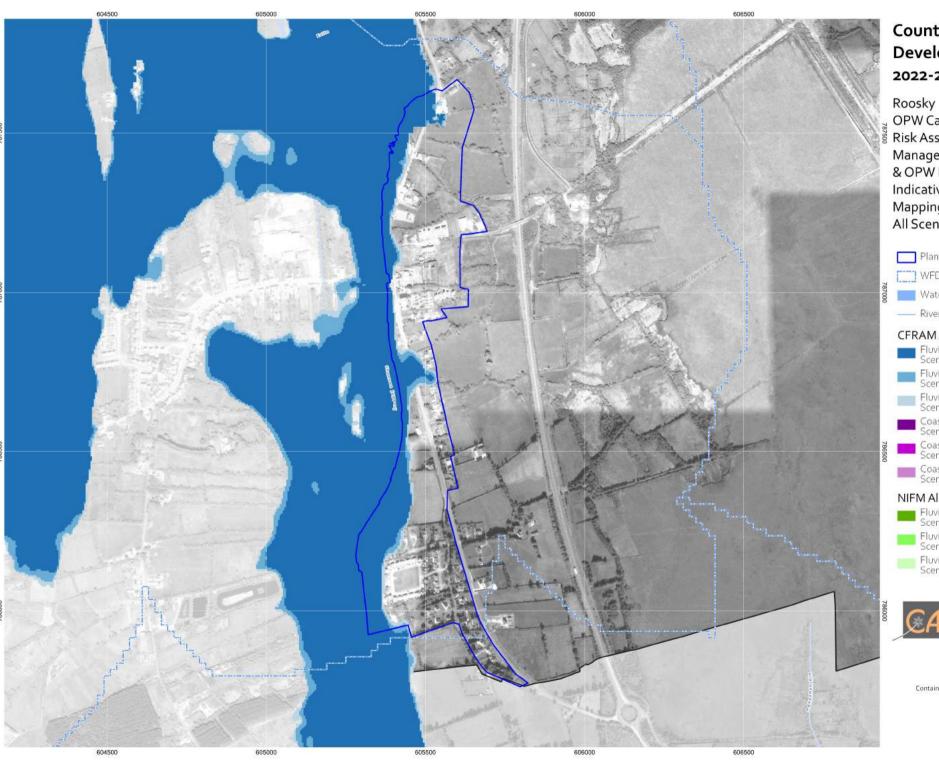


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**OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

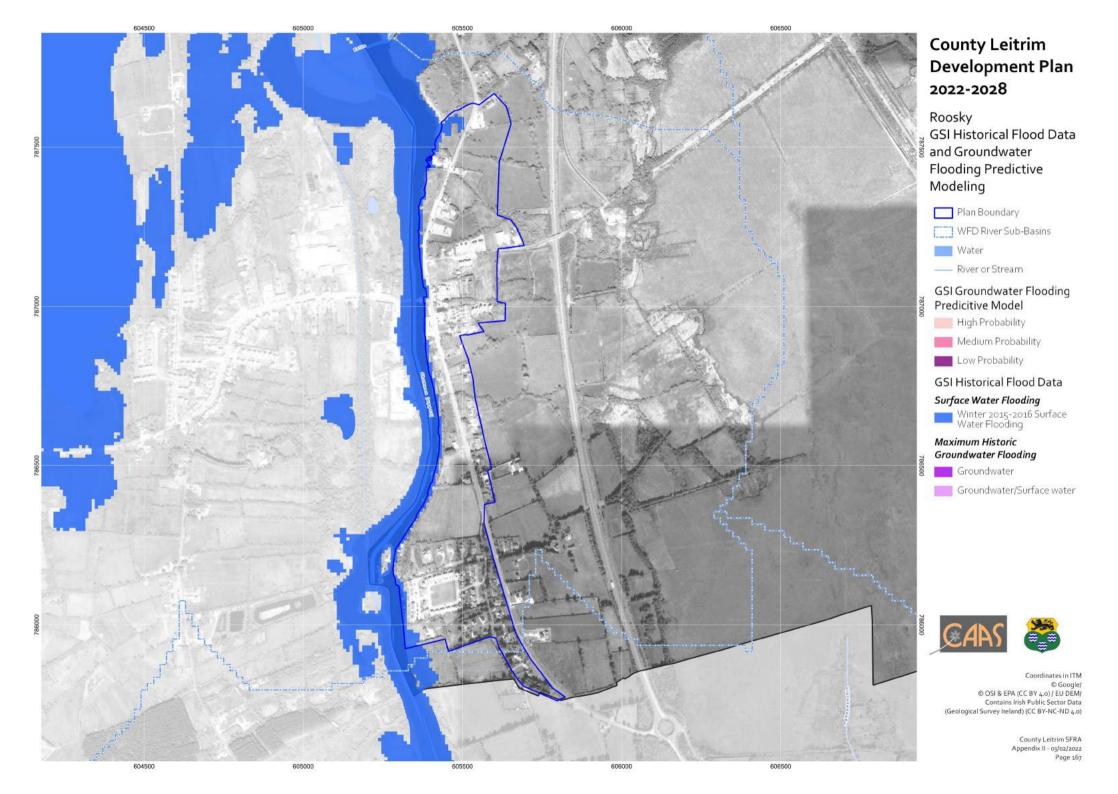
Fluvial Mid-Range Future Scenario o.1% AEP

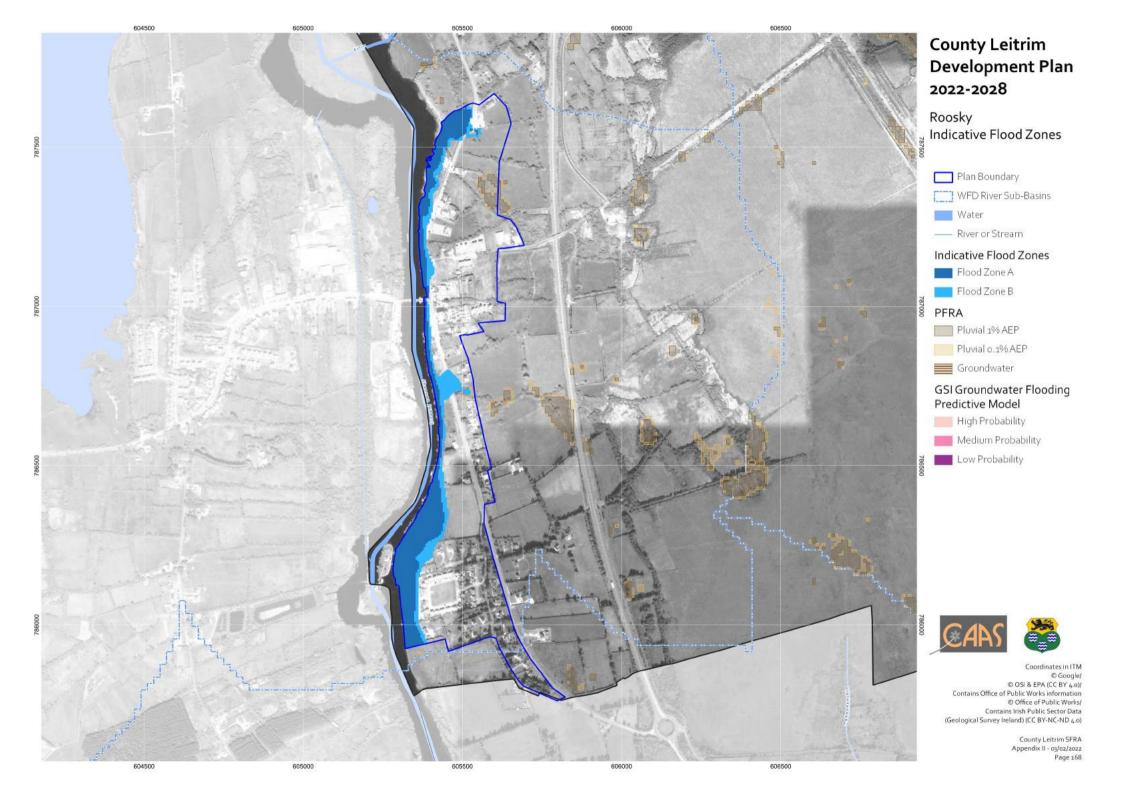
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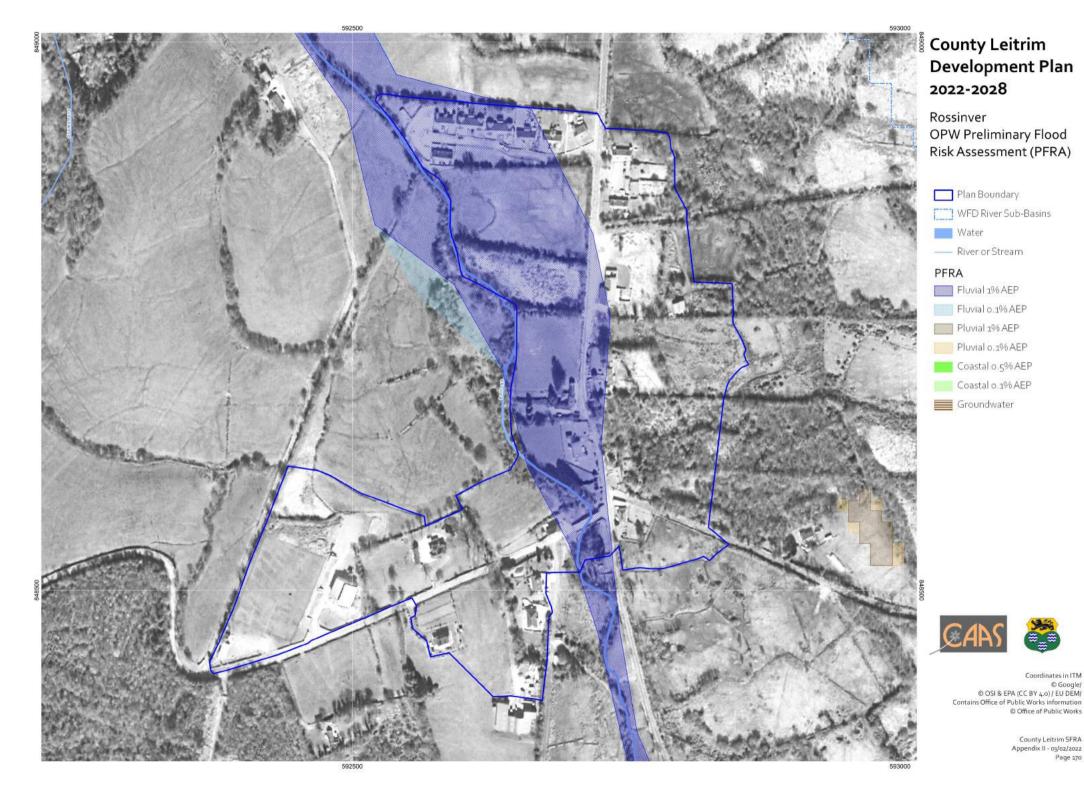


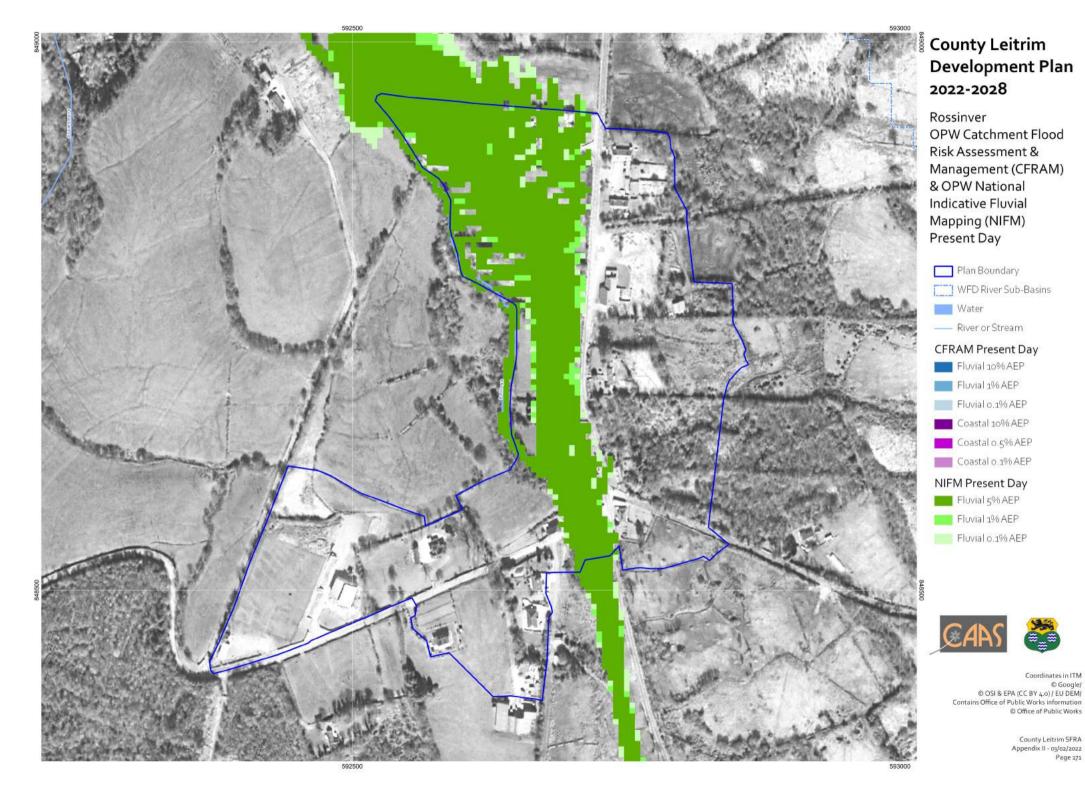


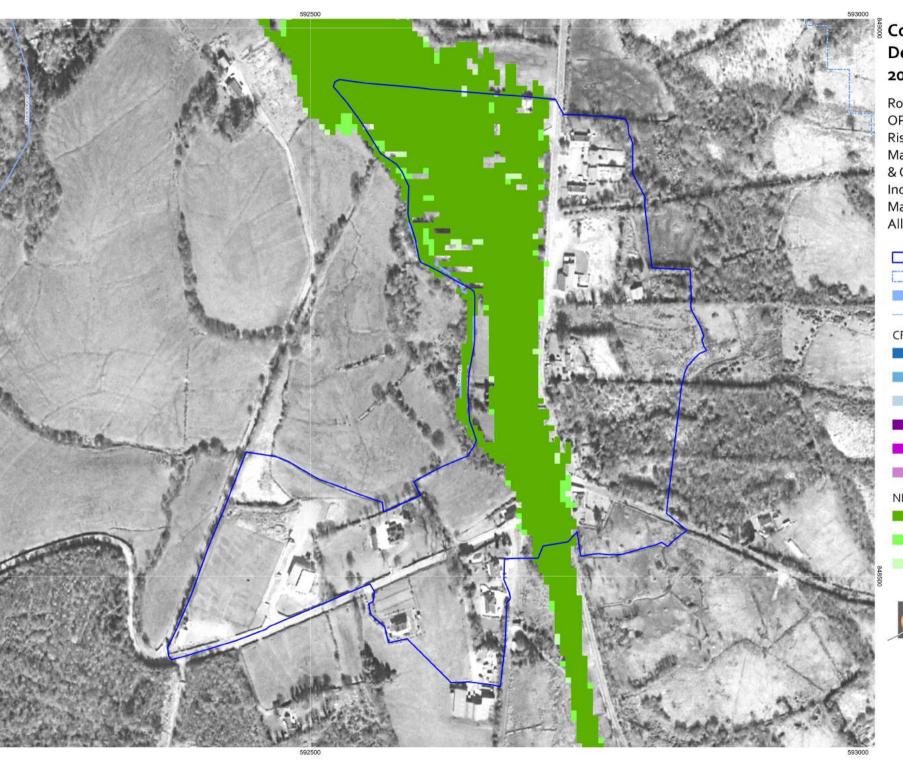
**OPW Historical Flood** 



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Rossinver
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

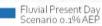






- River or Stream

## CFRAM All Scenarios



Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

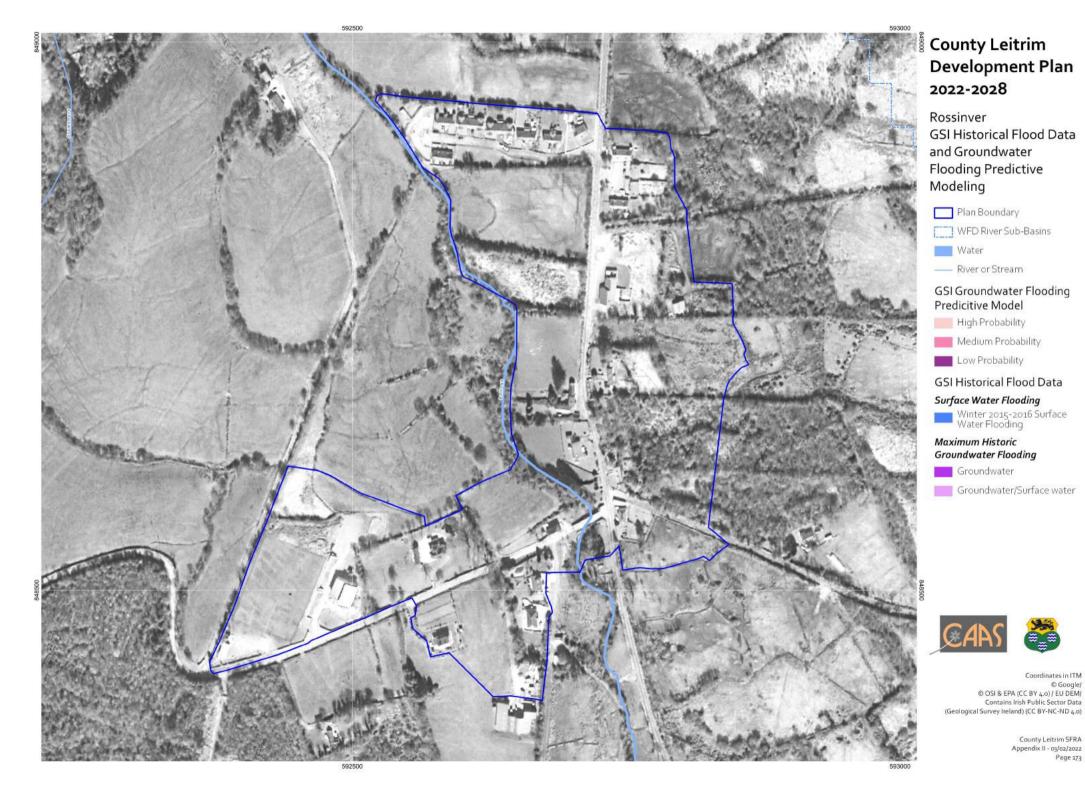
Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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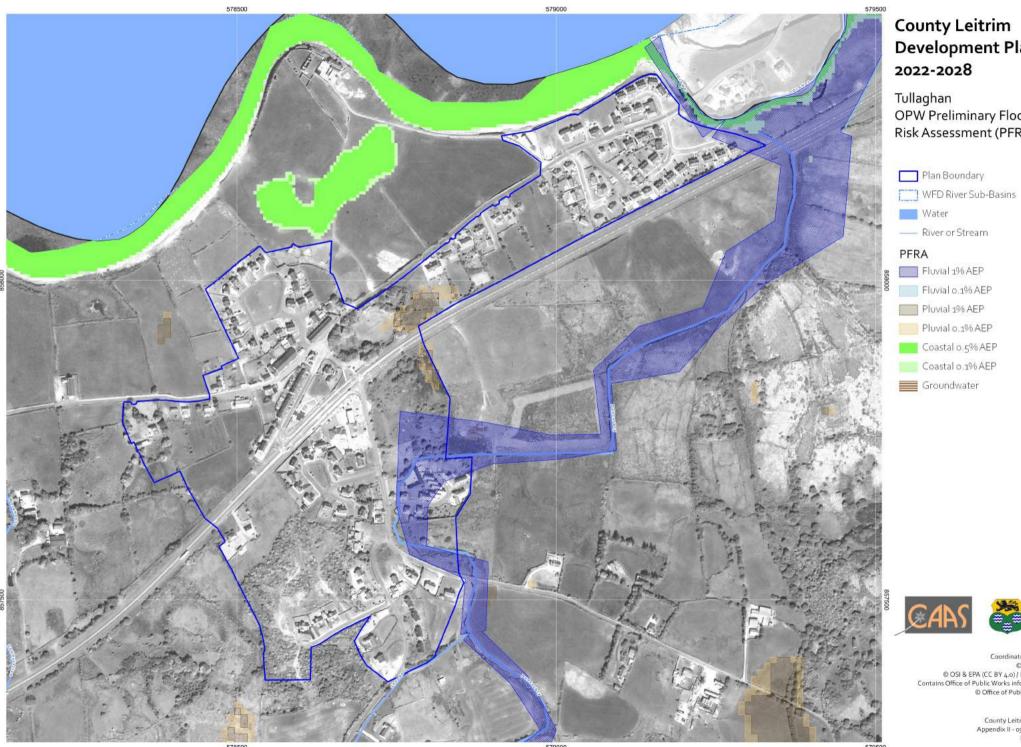




OPW Historical Flood



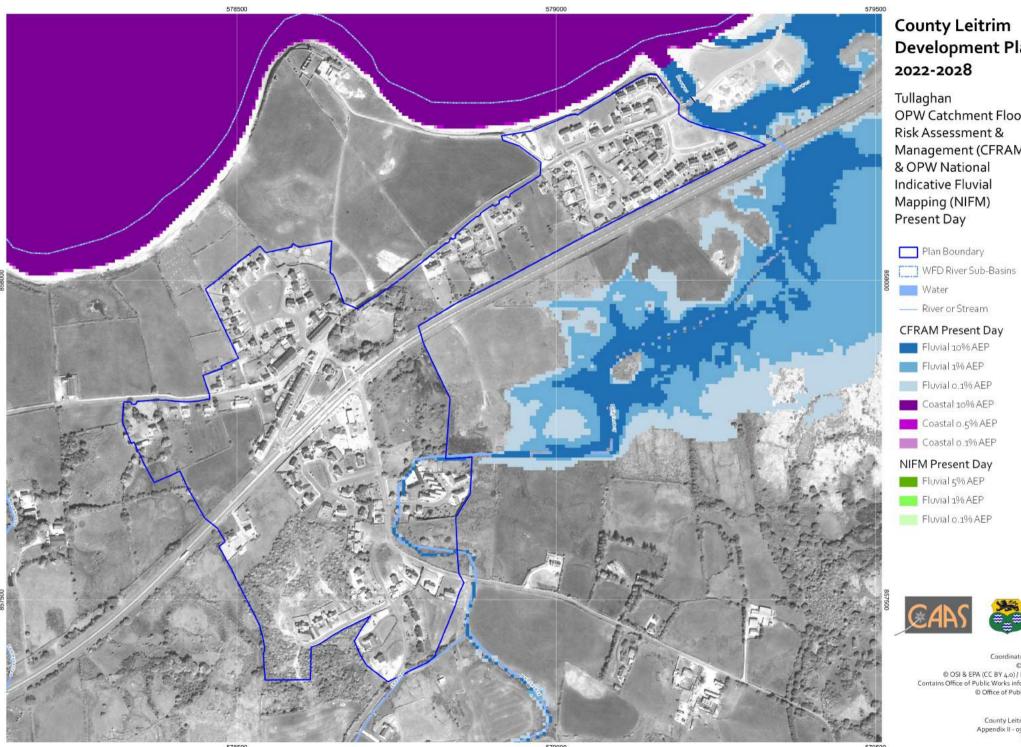
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OPW Preliminary Flood Risk Assessment (PFRA)



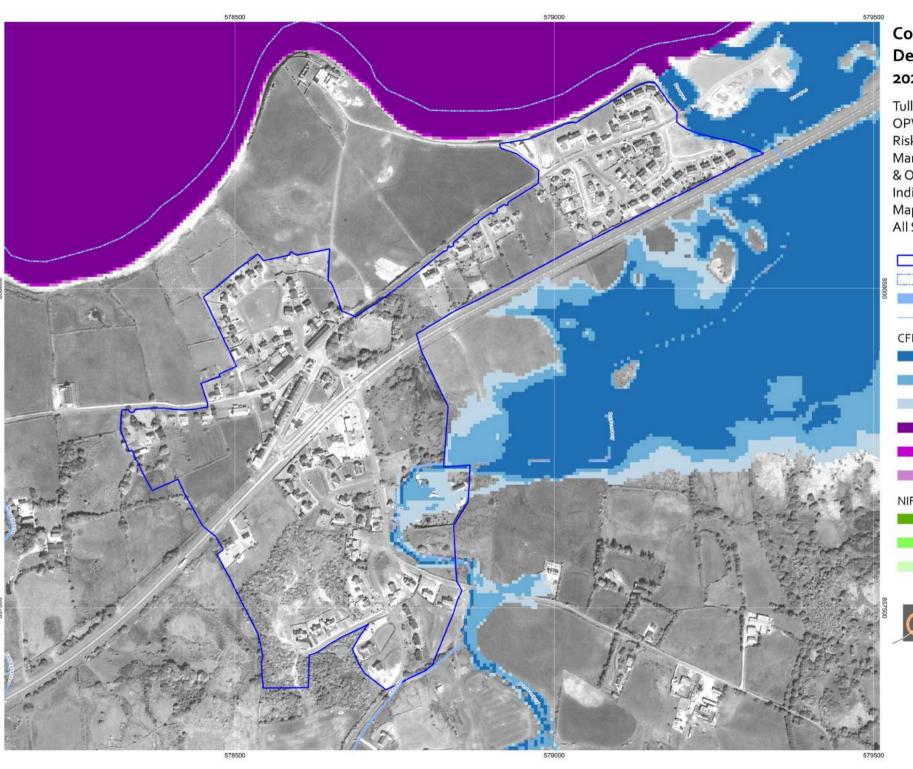
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OPW Catchment Flood Management (CFRAM)



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Tullaghan **OPW Catchment Flood** Risk Assessment & Management (CFRAM) & OPW National Indicative Fluvial Mapping (NIFM) All Scenarios

Plan Boundary

WFD River Sub-Basins

Water

- River or Stream

## CFRAM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario 0.1% AEP

Fluvial High-End Future Scenario 0.1% AEP

Coastal Present Day Scenario 0.1% AEP

Coastal Mid-Range Future Scenario o.1% AEP

Coastal High-End Future Scenario 0.1% AEP

### NIFM All Scenarios

Fluvial Present Day Scenario 0.1% AEP

Fluvial Mid-Range Future Scenario o.1% AEP

Fluvial High-End Future Scenario 0.1% AEP





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