

County Leitrim Development Plan 2022-2028

Strategic Flood Risk Assessment

Appendix II

24/04/2023



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Settlement Flood Risk Indicators

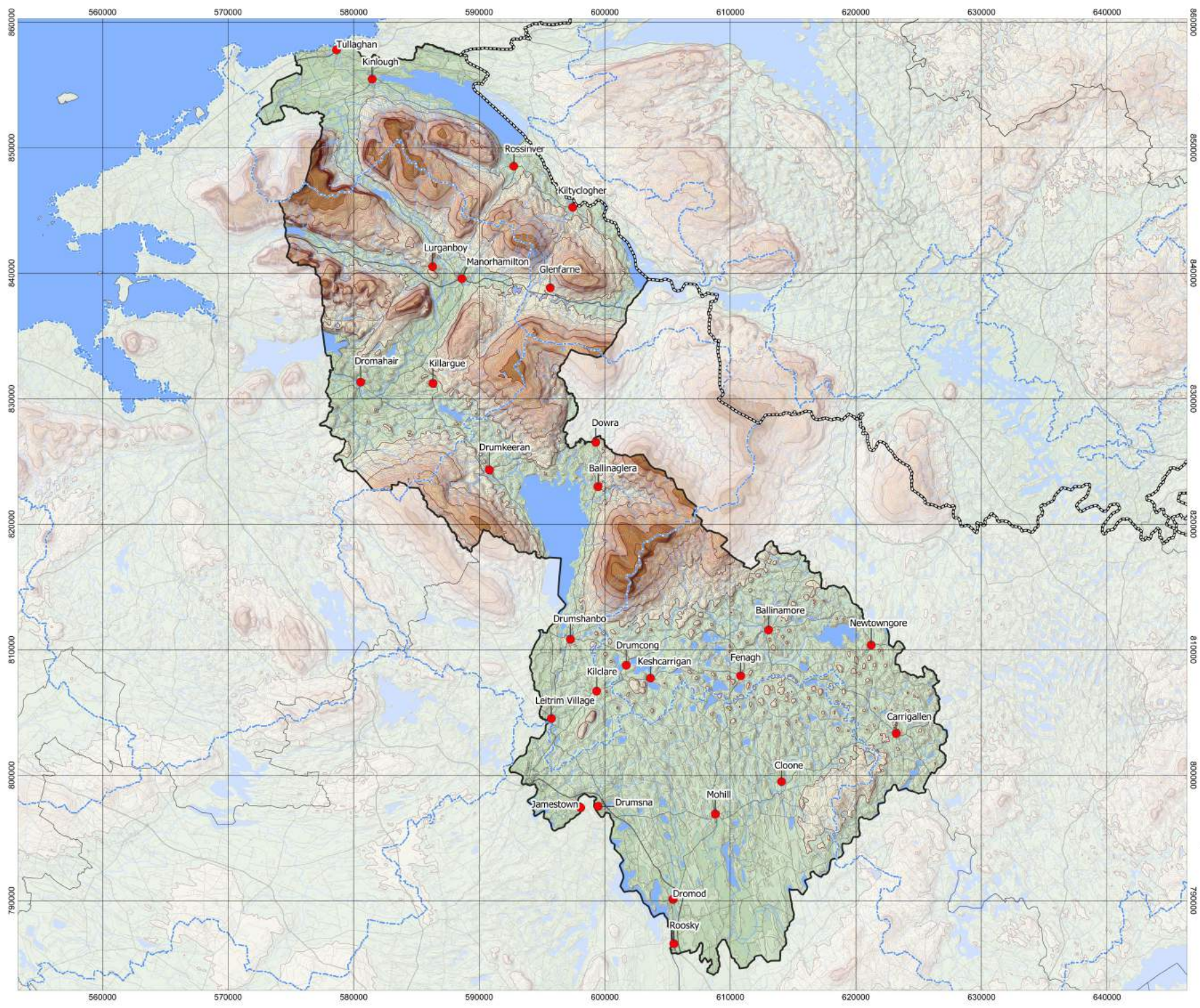
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County Leitrim Development Plan 2022-2028

County Leitrim Topography

- SFRA Settlement
- County Leitrim
- Other County Boundary
- Border Ireland/
Northern Ireland
- WFD Catchment
- Water
- River or Stream



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OPW Historical Flood Data

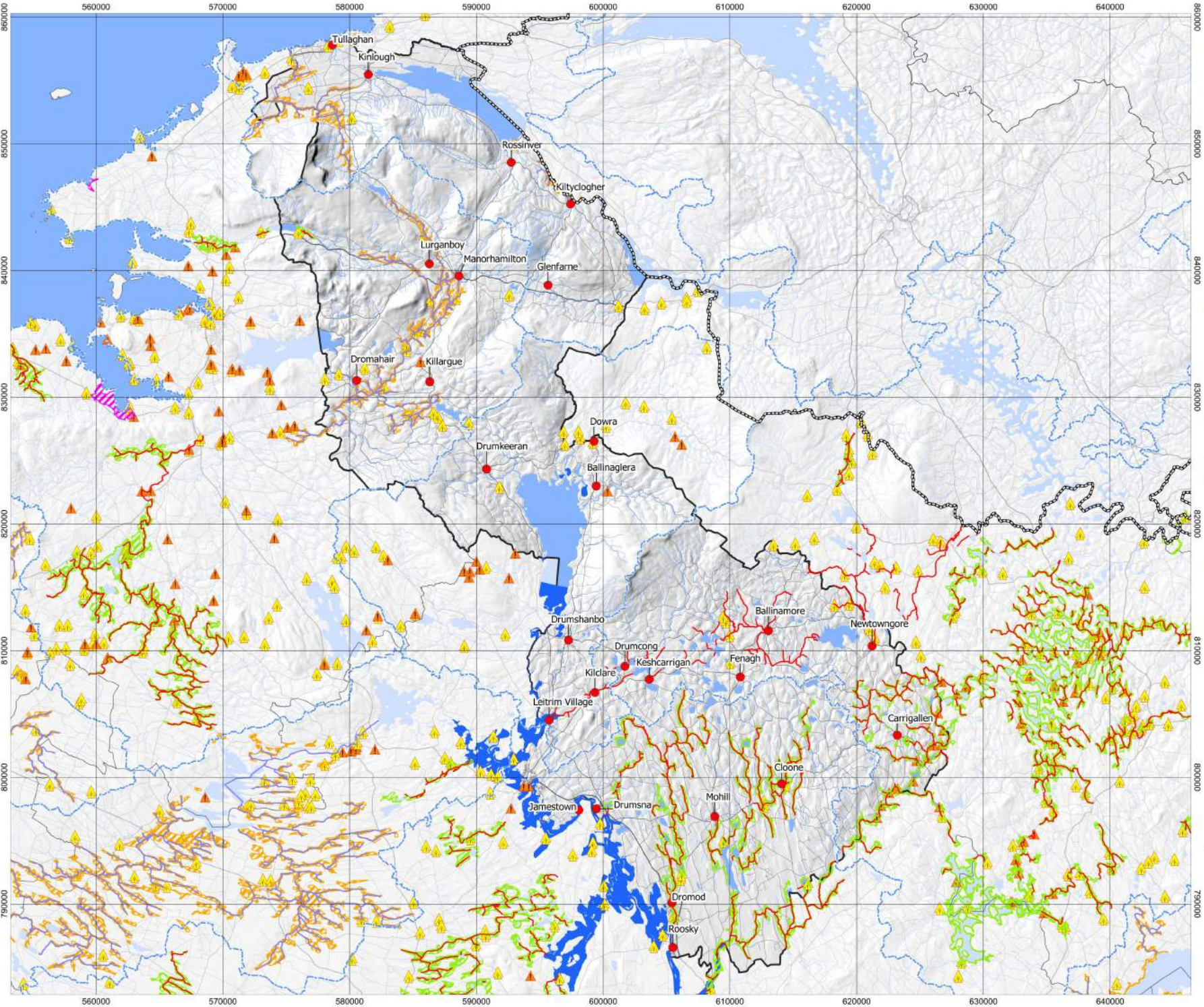
- SFRA Settlement
- County Leitrim
- Other County Boundary
- Border Ireland/
Northern Ireland
- WFD Catchment
- Water
- River or Stream

- 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

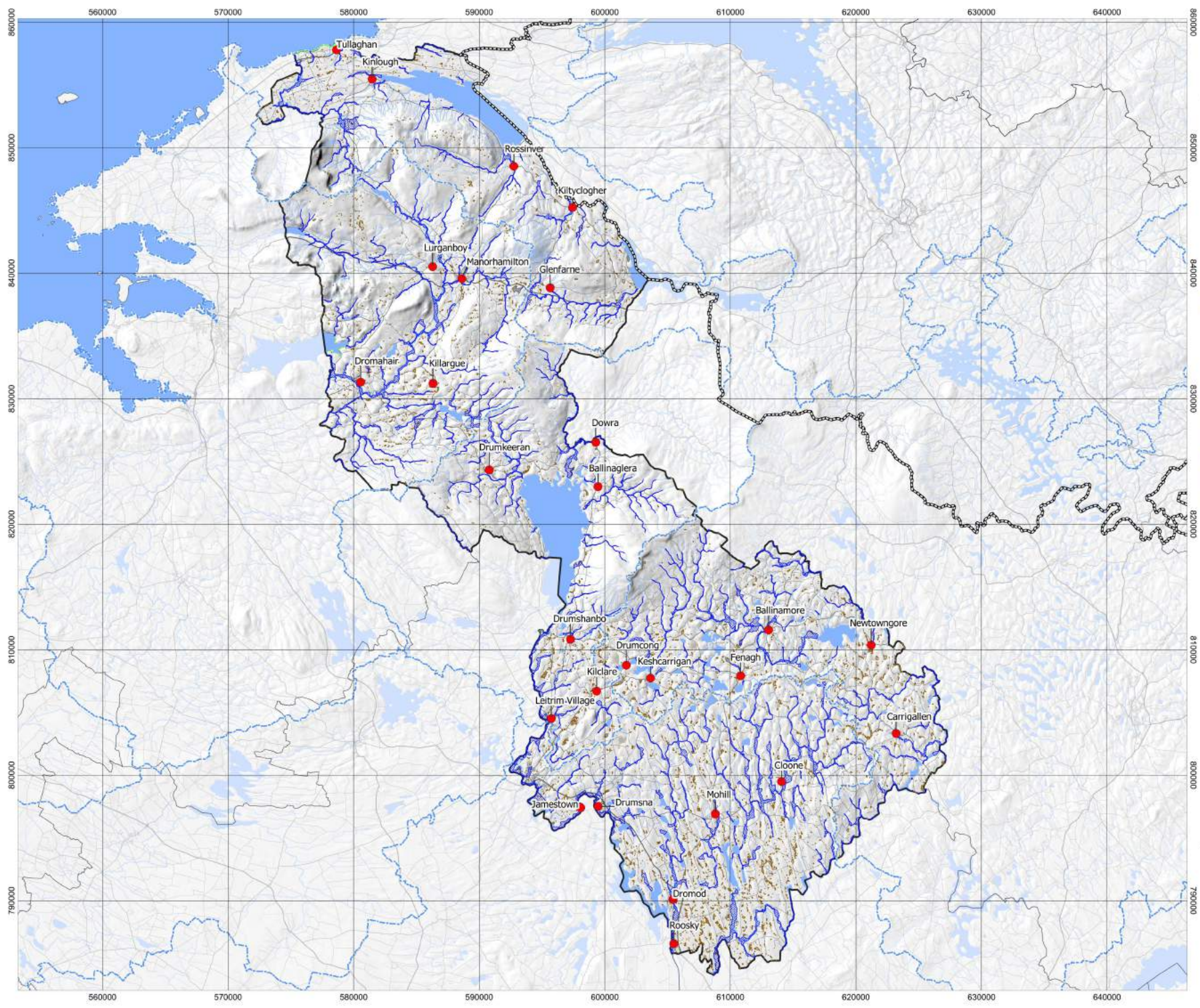


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OPW Preliminary Flood Risk Assessment (PFRA)

- SFRA Settlement
 - County Leitrim
 - Other County Boundary
 - Border Ireland/
Northern Ireland
 - WFD Catchment
 - Water
 - River or Stream
-
- ### PFRA
- Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



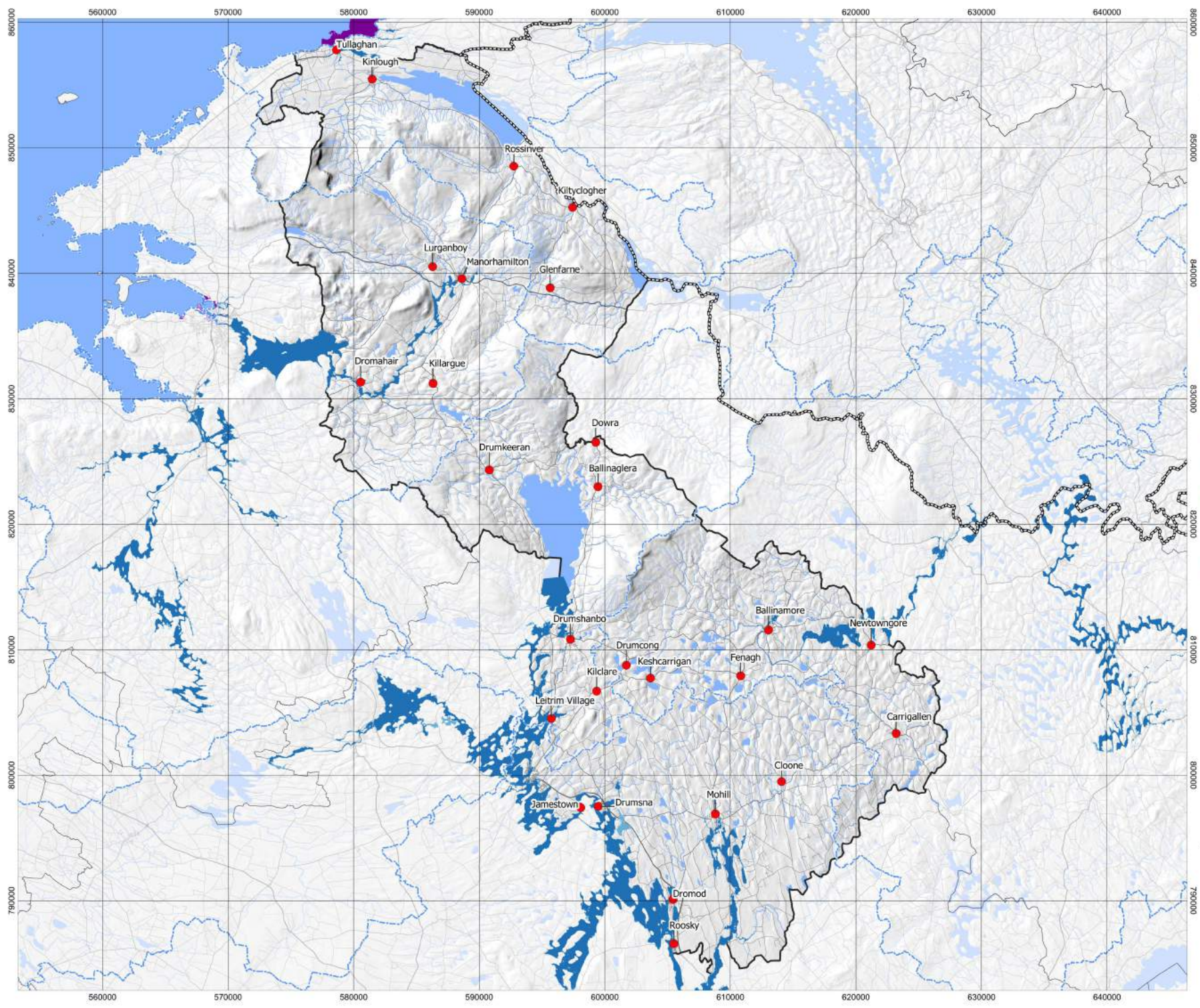
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OPW Catchment Flood Risk Assessment & Management (CFRAM)

- SFRA Settlement
- County Leitrim
- Other County Boundary
- Border Ireland/
Northern Ireland
- WFD Catchment
- 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



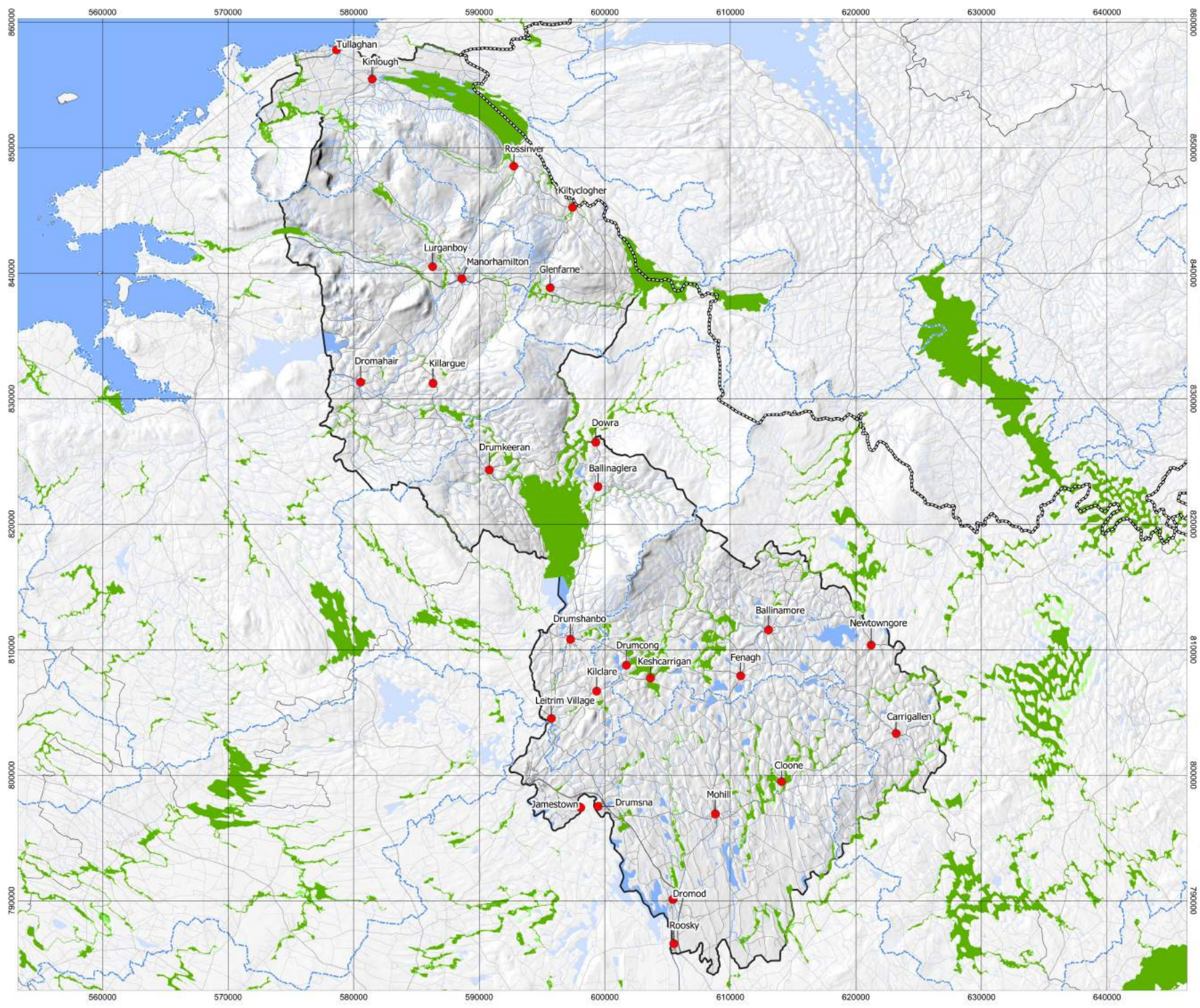
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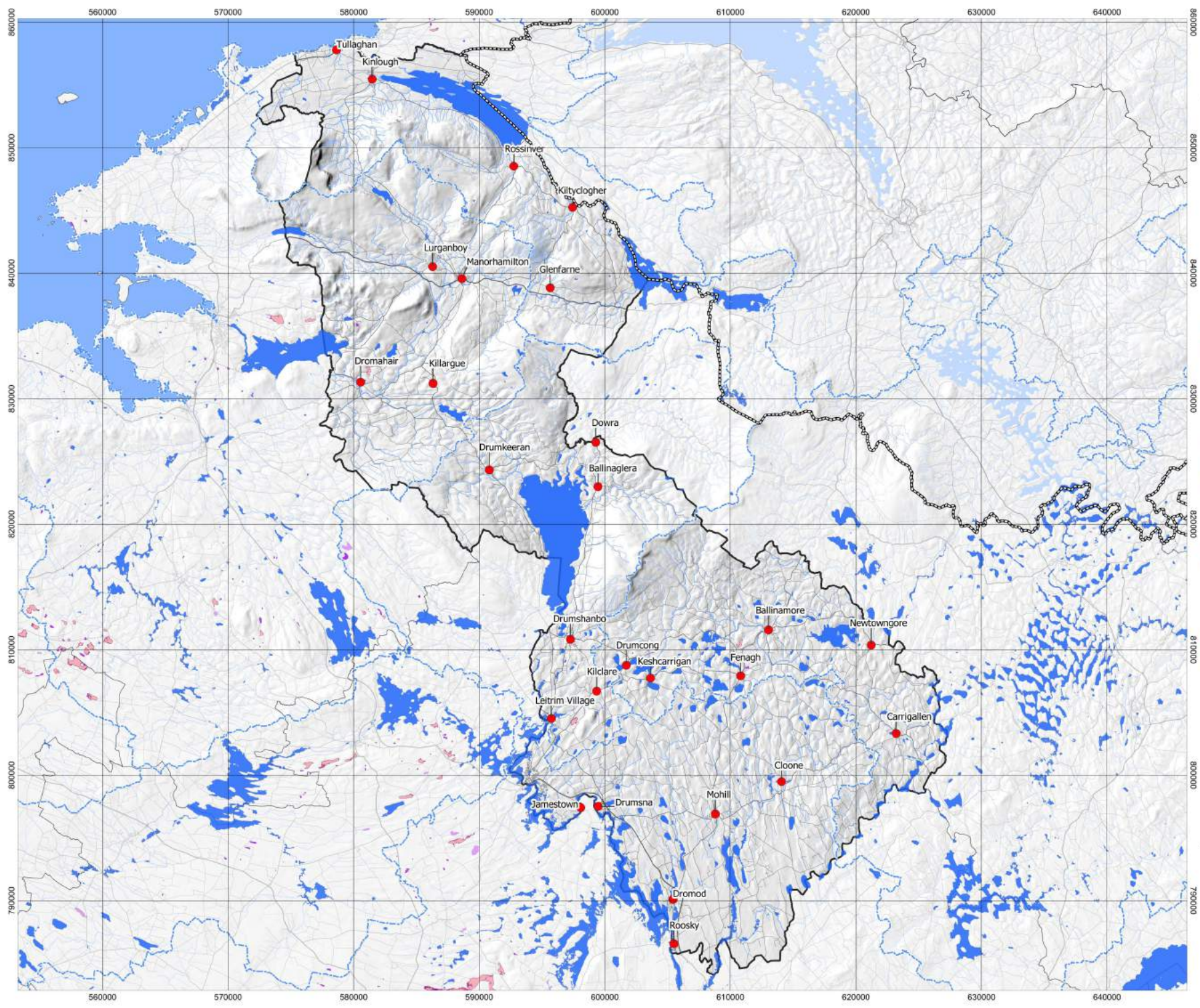
OPW National Indicative Fluvial Mapping (NIFM)

- SFRA Settlement
- County Leitrim
- Other County Boundary
- Border Ireland/
Northern Ireland
- WFD Catchment
- Water
- River or Stream

- ### NIFM 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



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GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- SFRA Settlement
- County Leitrim
- Other County Boundary
- Border Ireland/
Northern Ireland
- WFD Catchment
- Water
- River or Stream

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Ballinaglera 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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County Leitrim Development Plan 2022-2028

Ballinaglera 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 0.5% AEP
- Coastal 0.1% AEP
- Groundwater

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Ballinaglera



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County Leitrim Development Plan 2022-2028

Ballinaglera
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 0.5% AEP
 - Coastal 0.1% AEP
- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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County Leitrim Development Plan 2022-2028

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 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 0.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Ballinaglera GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Ballinaglera Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
- Flood Zone A
- Flood Zone B
- PFRA**
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability

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Ballinaglera



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Ballinamore 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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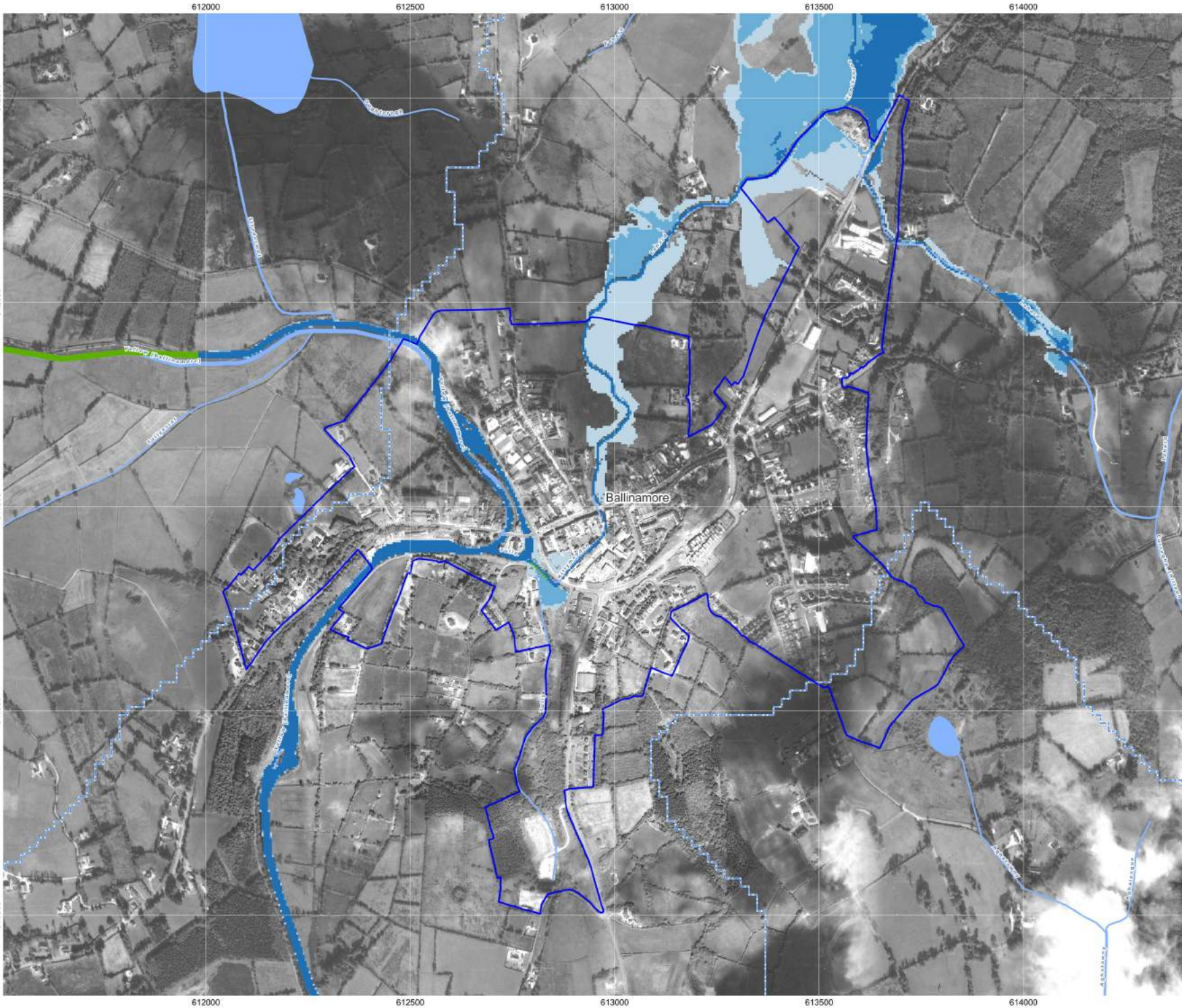
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Ballinamore OPW Preliminary Flood Risk Assessment (PFRA)

- 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 0.5% AEP
- Coastal 0.1% AEP
- Groundwater



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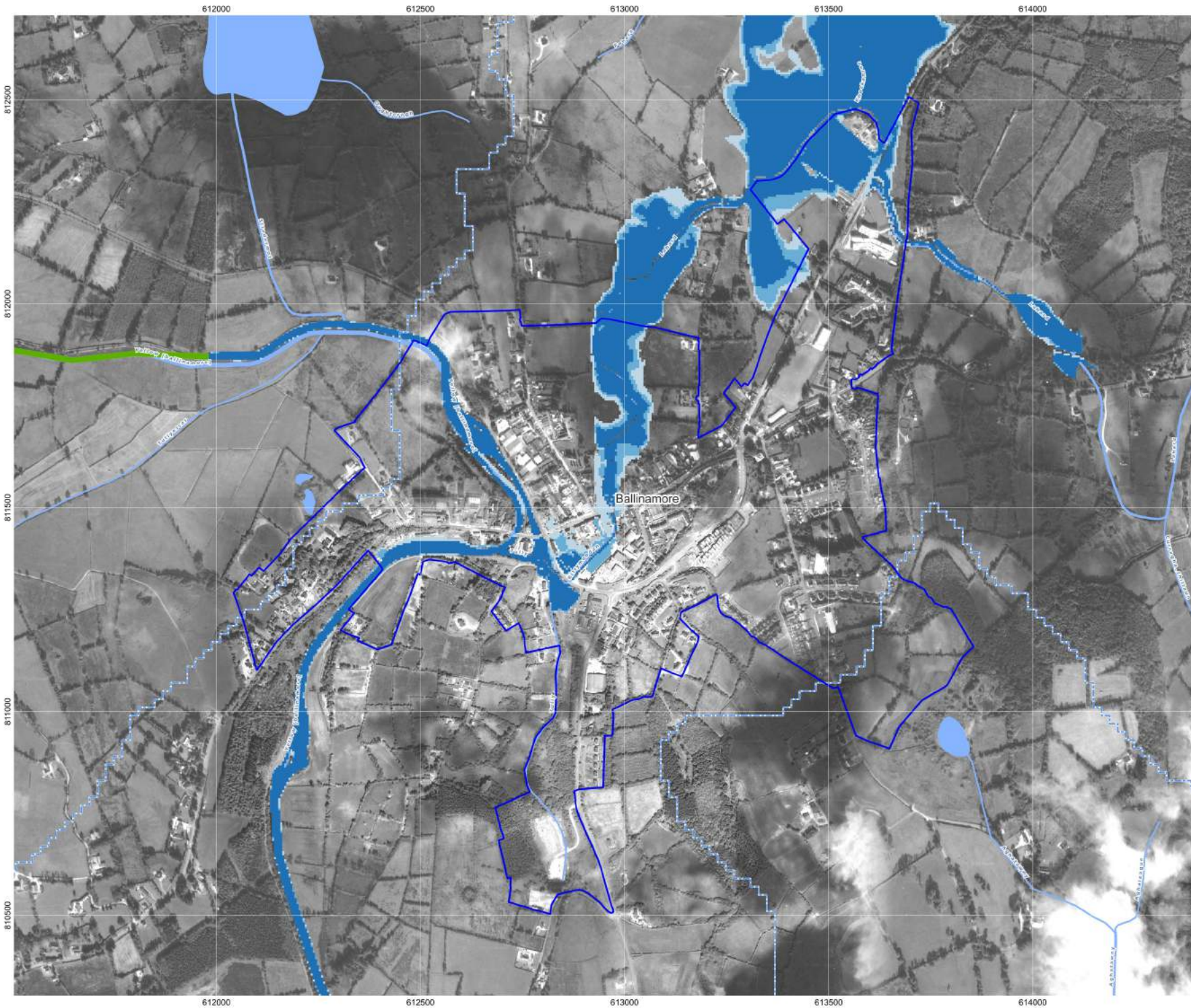
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Ballinamore
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
Present Day

- 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 0.5% AEP
 - Coastal 0.1% AEP
- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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Ballinamore
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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Ballinamore
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability


- GSI Historical Flood Data**
- Surface Water Flooding**
- Winter 2015-2016 Surface Water Flooding
- Maximum Historic Groundwater Flooding**
- Groundwater
 - Groundwater/Surface water

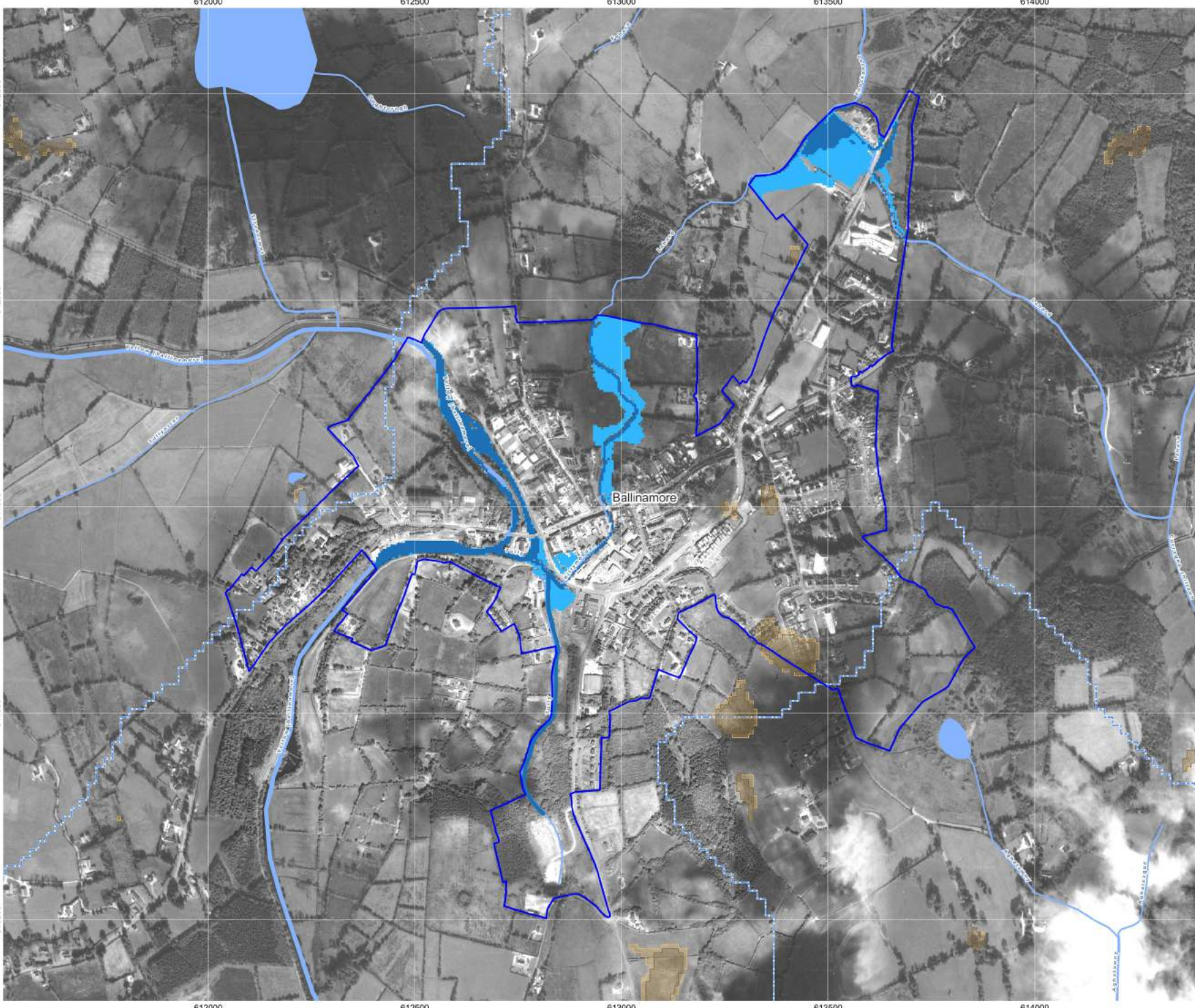


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Ballinamore Indicative Flood Zones

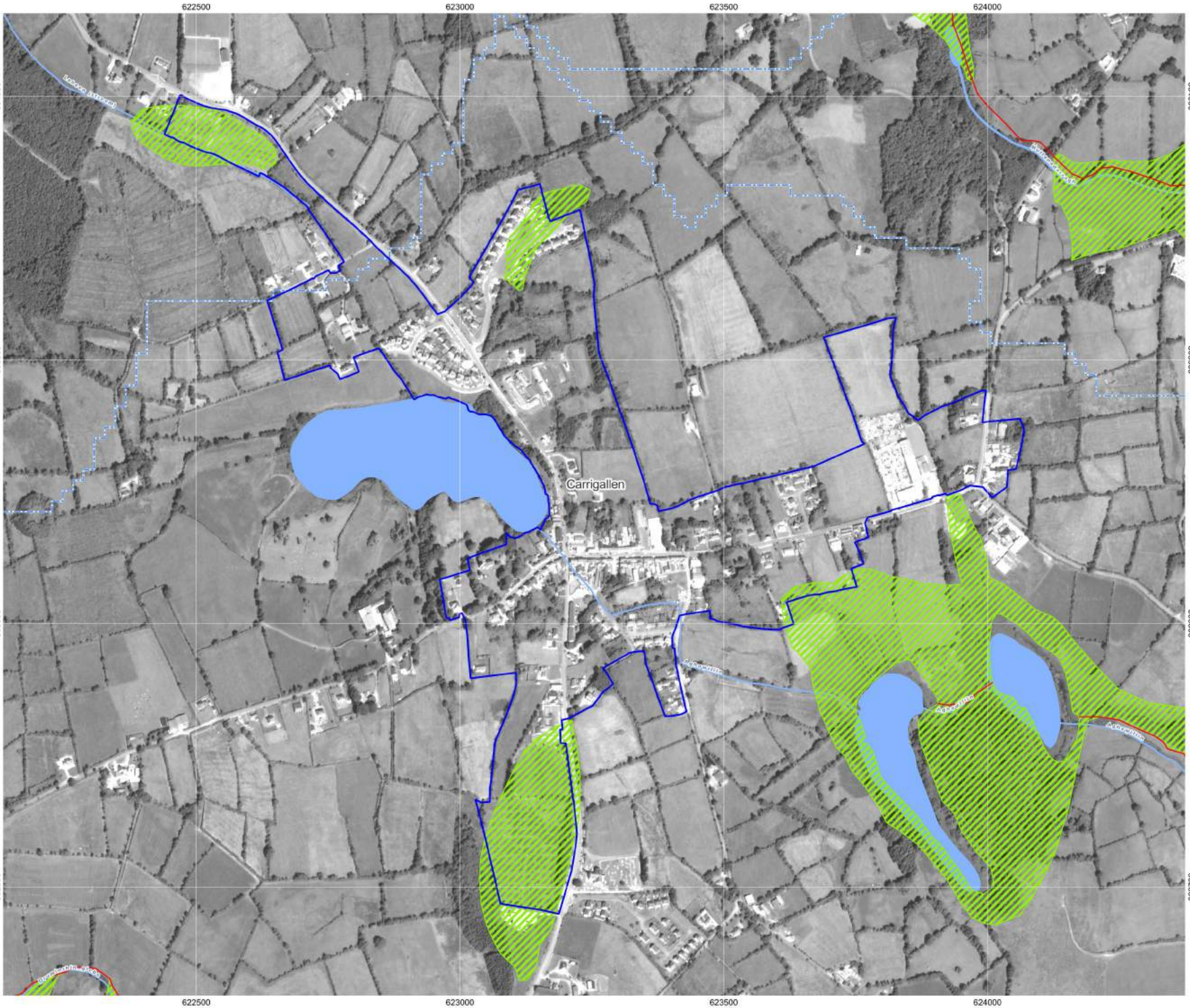
-  Plan Boundary
 -  WFD River Sub-Basins
 -  Water
 -  River or Stream
- Indicative Flood Zones**
-  Flood Zone A
 -  Flood Zone B
- PFRA**
-  Pluvial 1% AEP
 -  Pluvial 0.1% AEP
 -  Groundwater
- GSI Groundwater Flooding Predictive Model**
-  High Probability
 -  Medium Probability
 -  Low Probability



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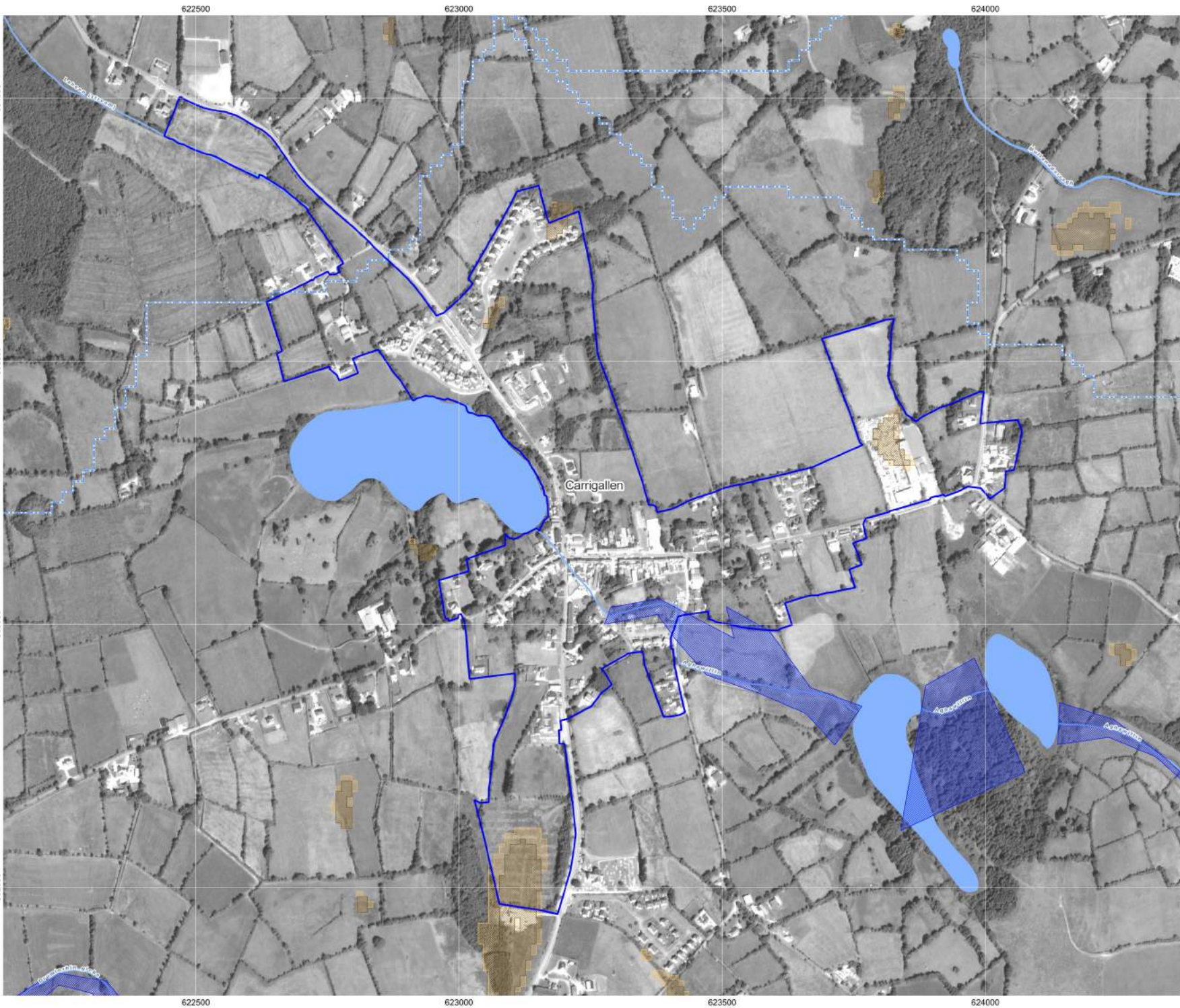
Carrigallen OPW Historical Flood Data



- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- OPW Past Flood Events**
 - Single Flood Event
 - Recurring Flood Event
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- Drainage District**
 - Channel
 - Embankment
 - Benefited Lands
- Arterial Drainage Scheme**
 - Channel
 - Embankment
 - Benefited Lands



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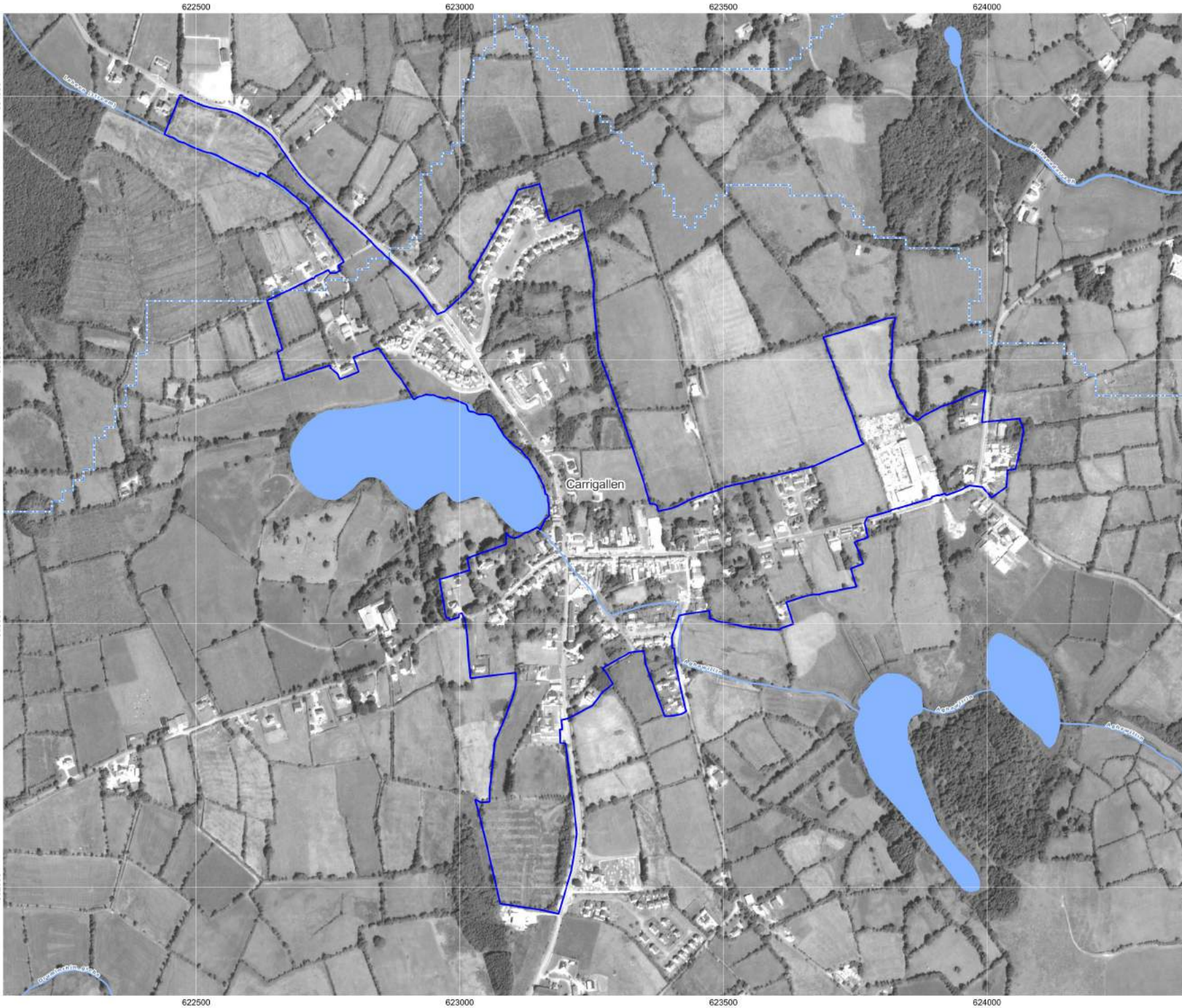
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Carrigallen OPW Preliminary Flood Risk Assessment (PFRA)

- 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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

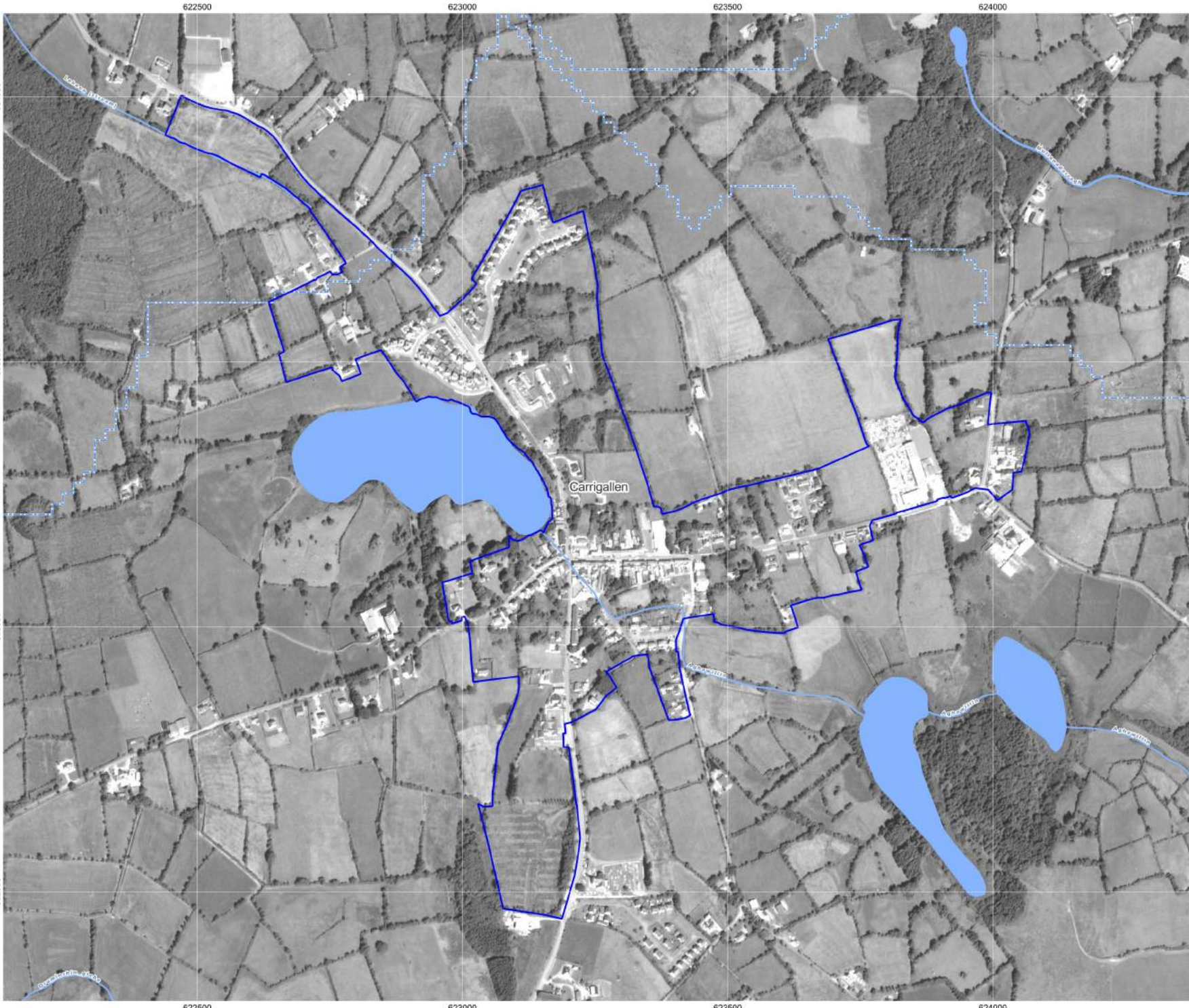
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM Present Day**
- Fluvial 10% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Coastal 10% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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Carrigallen
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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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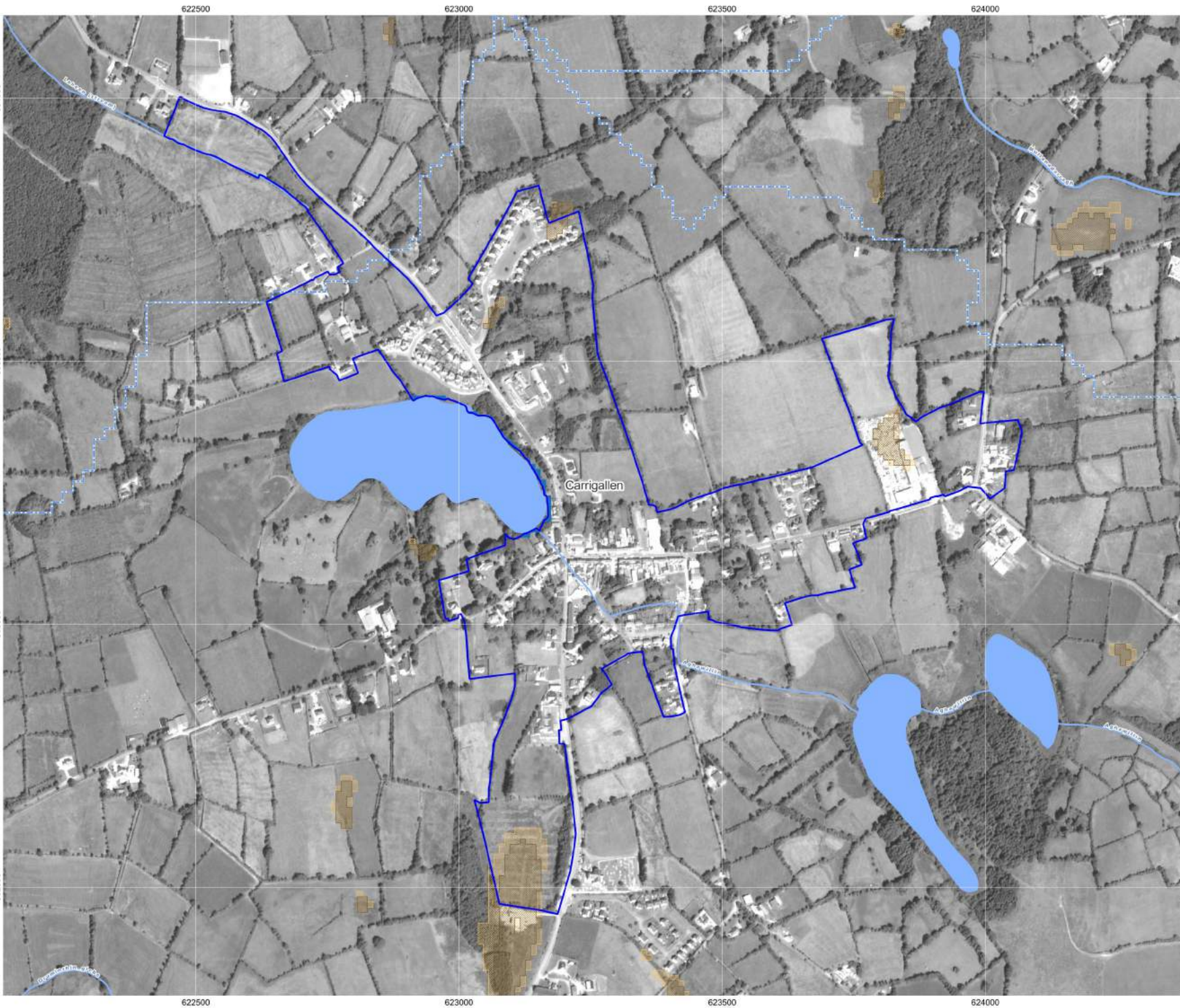
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Carrigallen GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- GSI Groundwater Flooding Predictive Model**
 - High Probability
 - Medium Probability
 - Low 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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Carrigallen Indicative Flood Zones

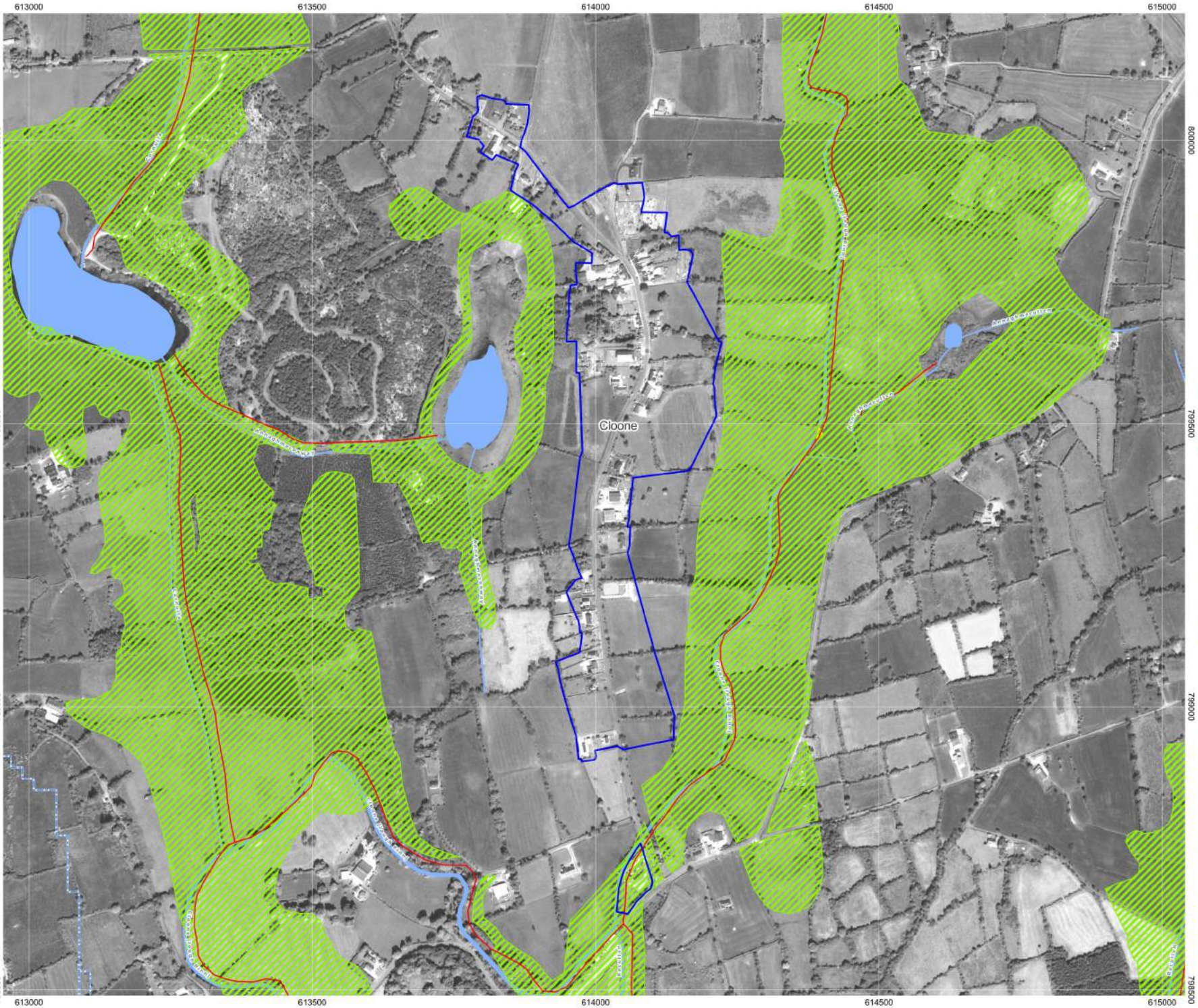
- Plan Boundary
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- Flood Zone A
- Flood Zone B
- PFRA**
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- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
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- Medium Probability
- Low Probability



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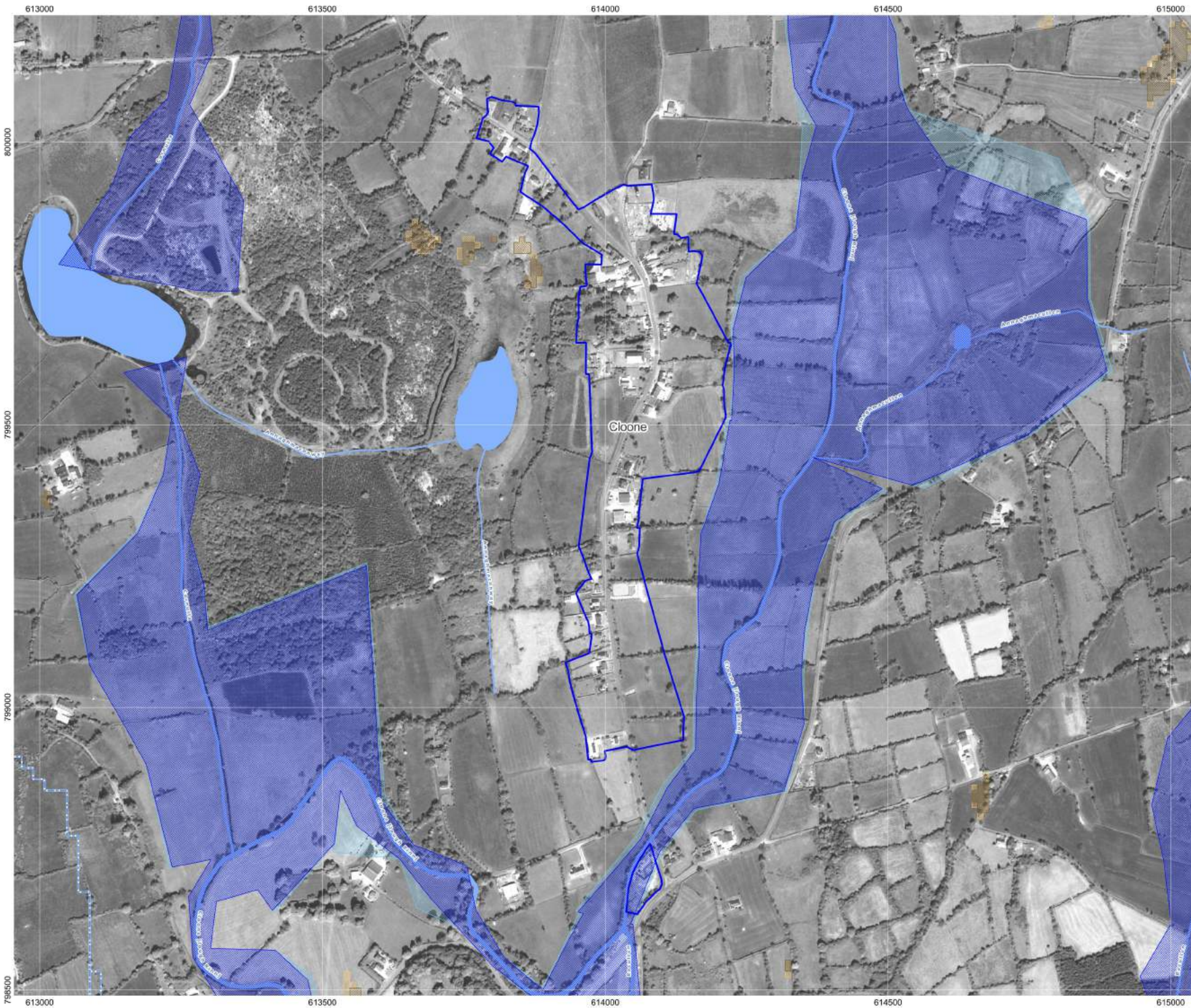
Cloone OPW Historical Flood Data



- Plan Boundary
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 - Benefited Lands
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 - Channel
 - Embankment
 - Benefited Lands



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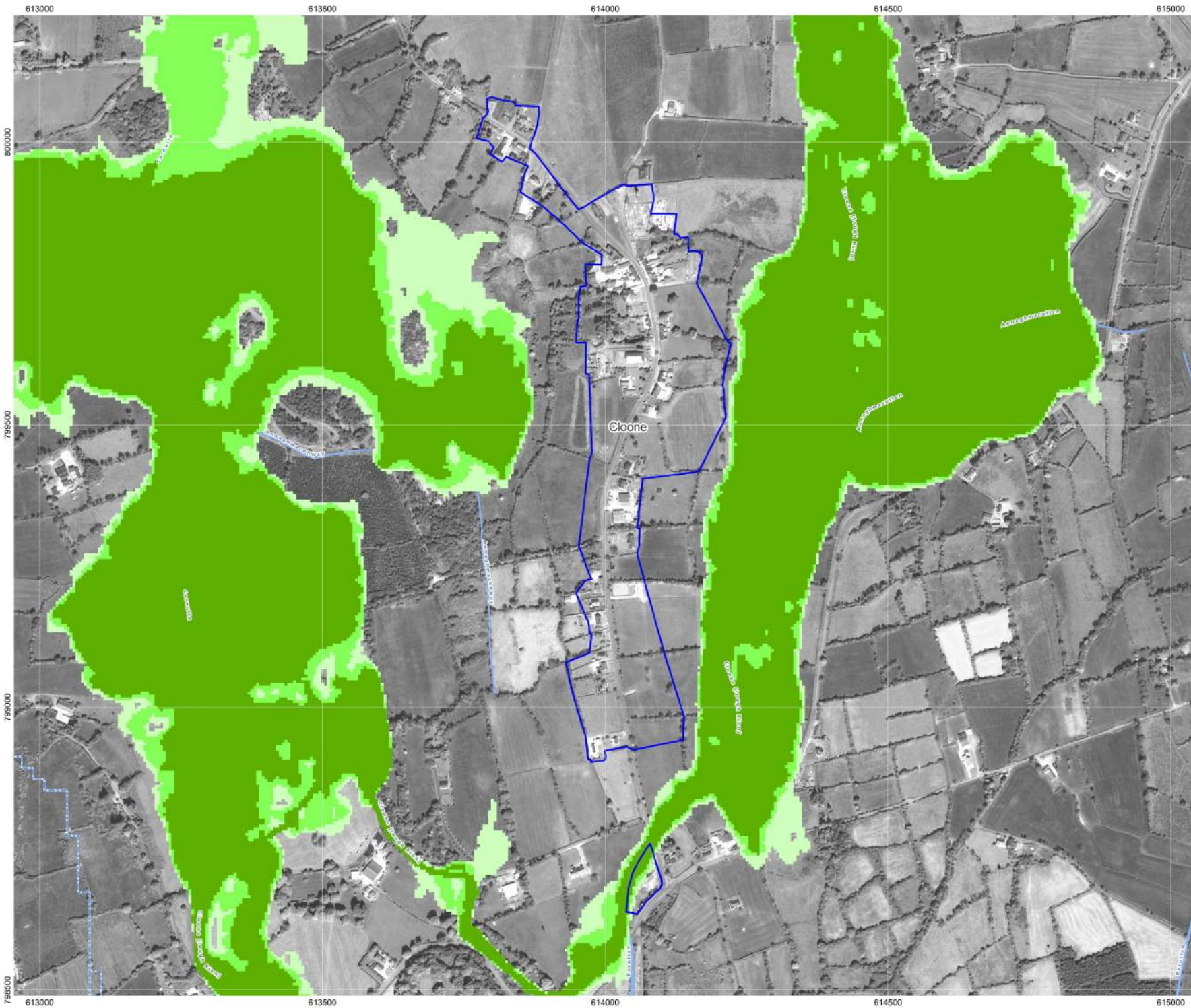
County Leitrim Development Plan 2022-2028

Cloone OPW Preliminary Flood Risk Assessment (PFRA)

- Plan Boundary
 - WFD River Sub-Basins
 - Water
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- PFRA**
- Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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Cloone
OPW Catchment Flood
Risk Assessment &
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& OPW National
Indicative Fluvial
Mapping (NIFM)
Present Day

- Plan Boundary
- WFD River Sub-Basins
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- River or Stream

CFRAM Present Day

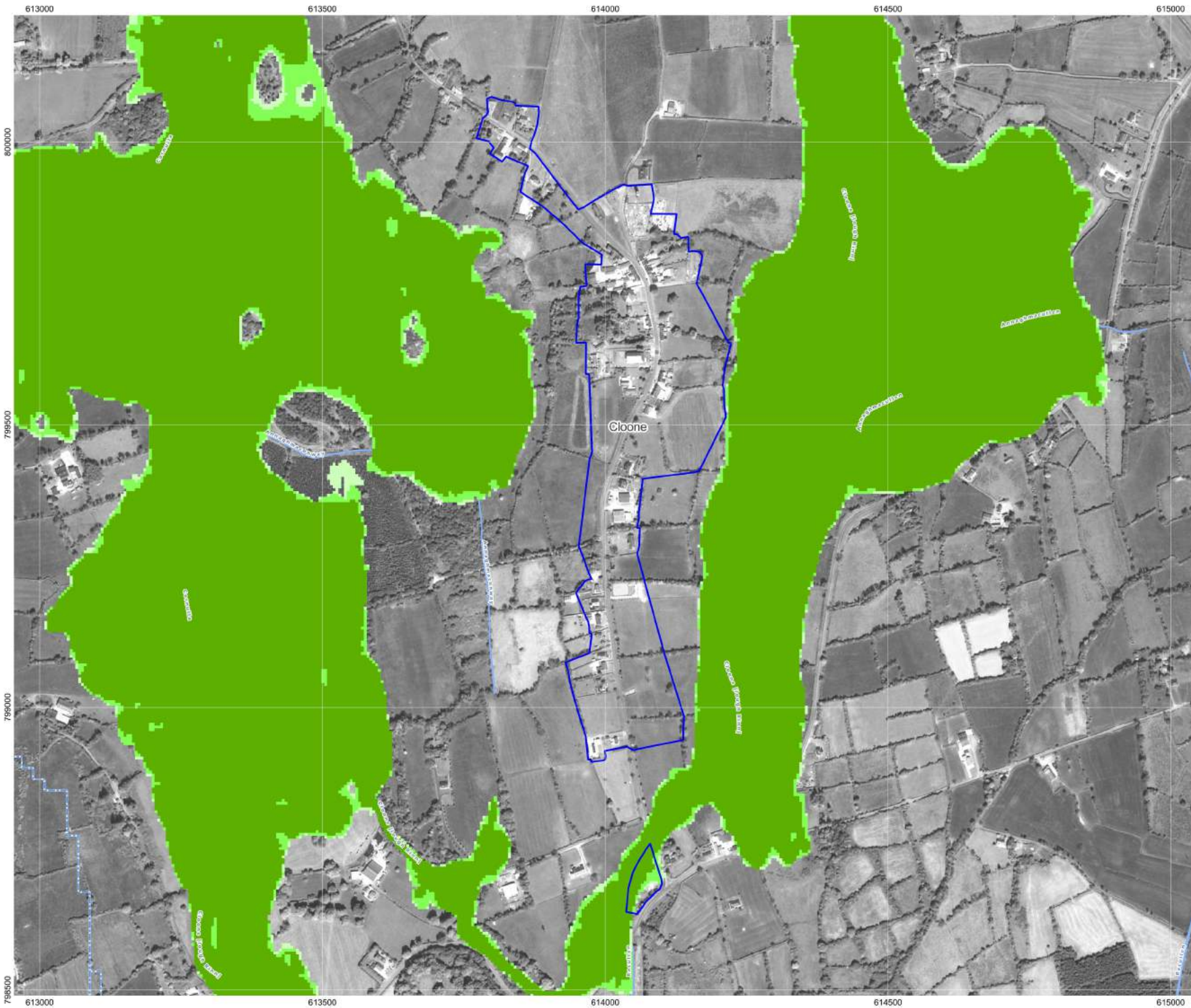
- Fluvial 10% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP
- Coastal 10% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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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

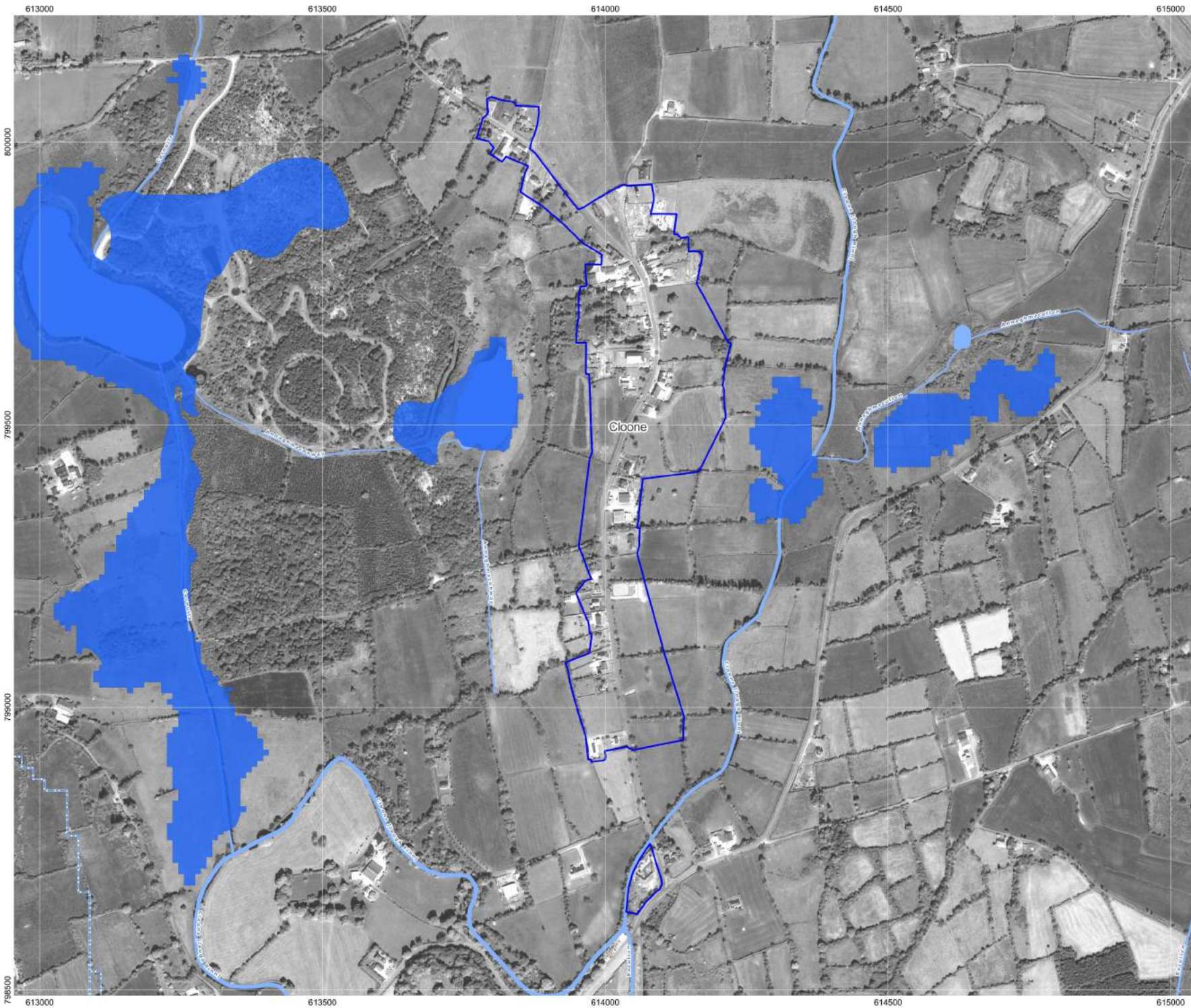
- Fluvial Present Day Scenario 0.1% AEP
- Fluvial Mid-Range Future Scenario 0.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP
- Coastal Present Day Scenario 0.1% AEP
- Coastal Mid-Range Future Scenario 0.1% AEP
- Coastal High-End Future Scenario 0.1% AEP

NIFM All Scenarios

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



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Cloone GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

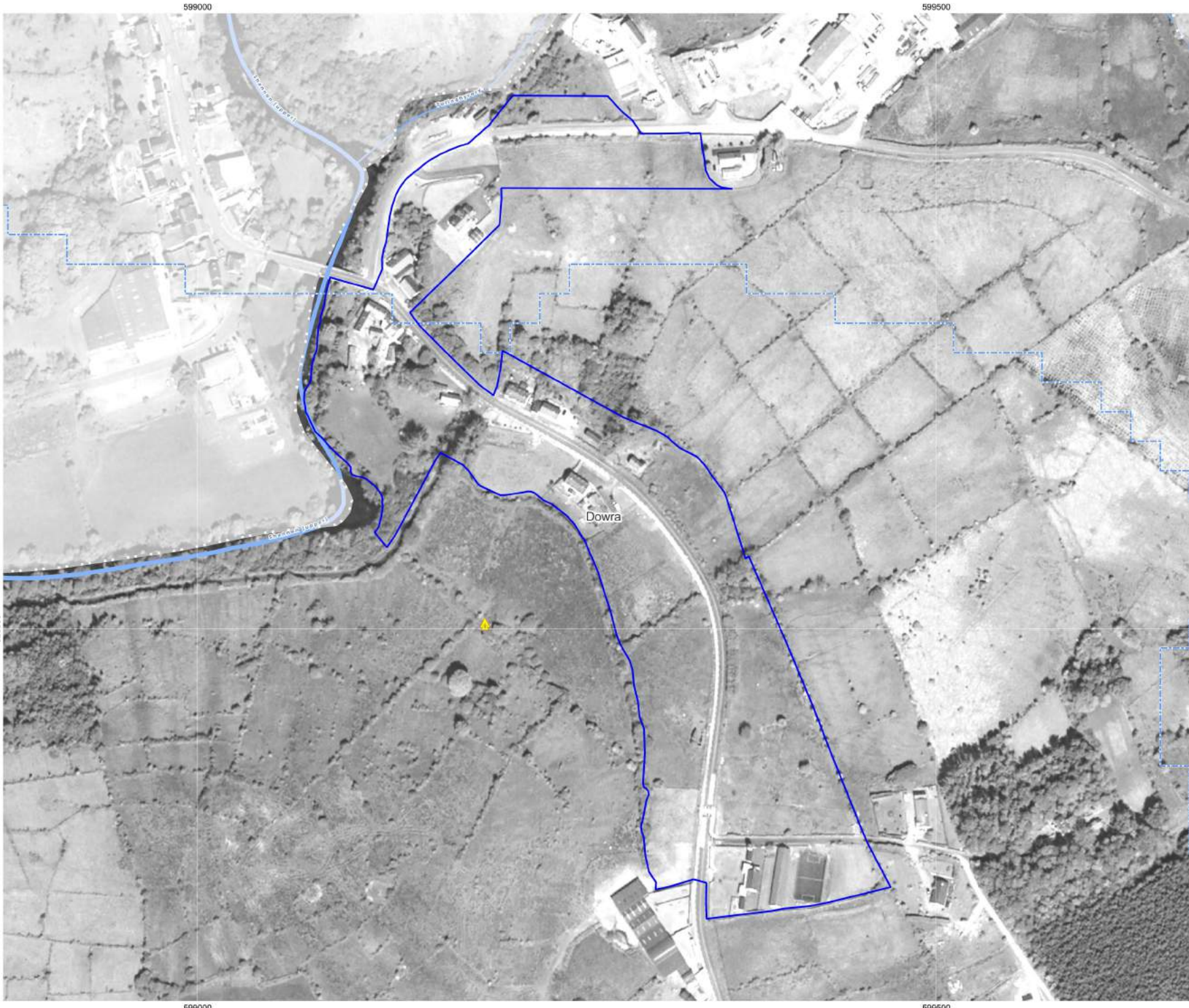
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low 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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Dowra OPW Historical Flood Data

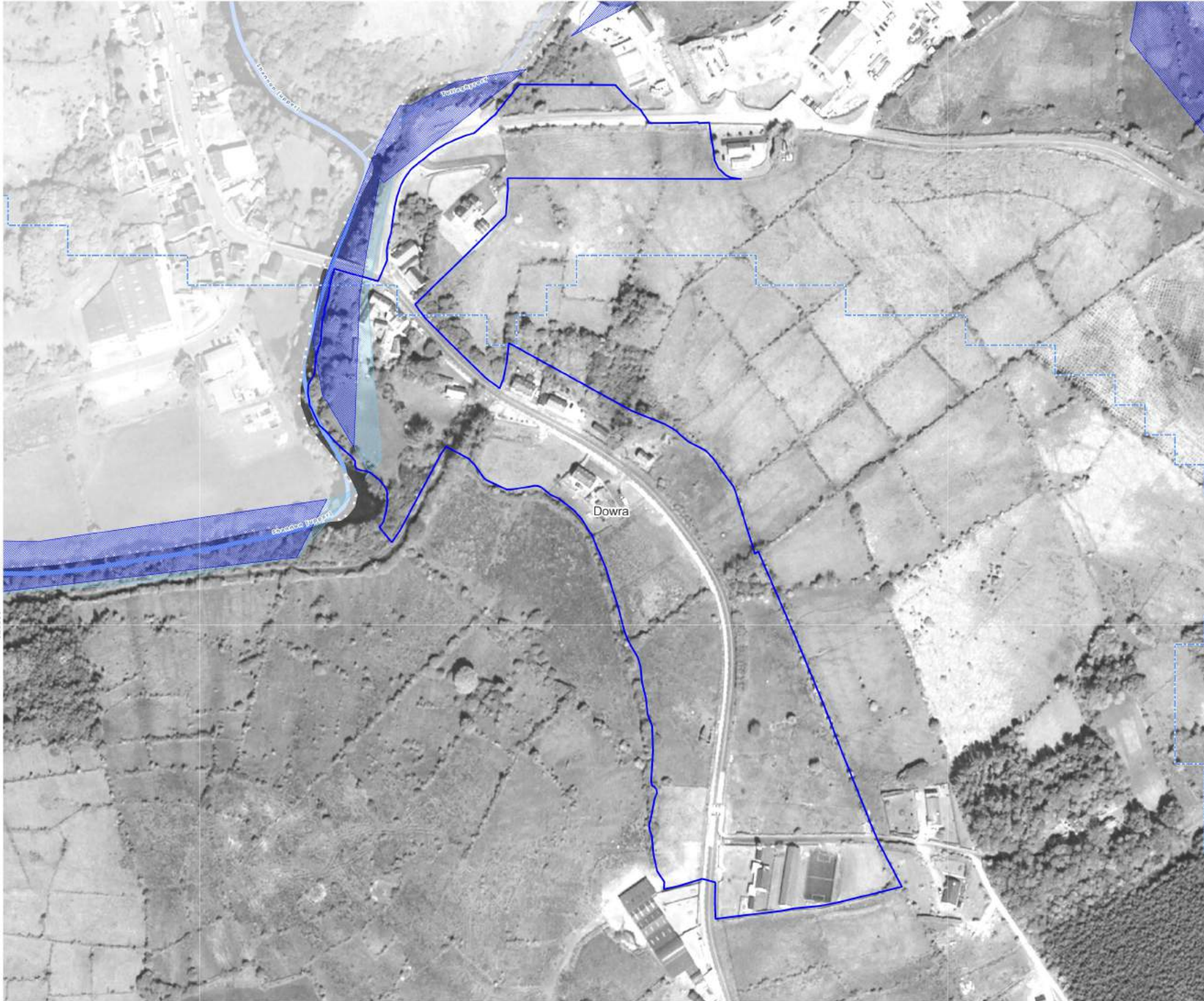
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- OPW Past Flood Events**
 - Single Flood Event
 - Recurring Flood Event
 - Past Flood Extent
- Land Commission**
 - Benefited Lands
- Drainage District**
 - Channel
 - Embankment
 - Benefited Lands
- Arterial Drainage Scheme**
 - Channel
 - Embankment
 - Benefited Lands



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Dowra
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater

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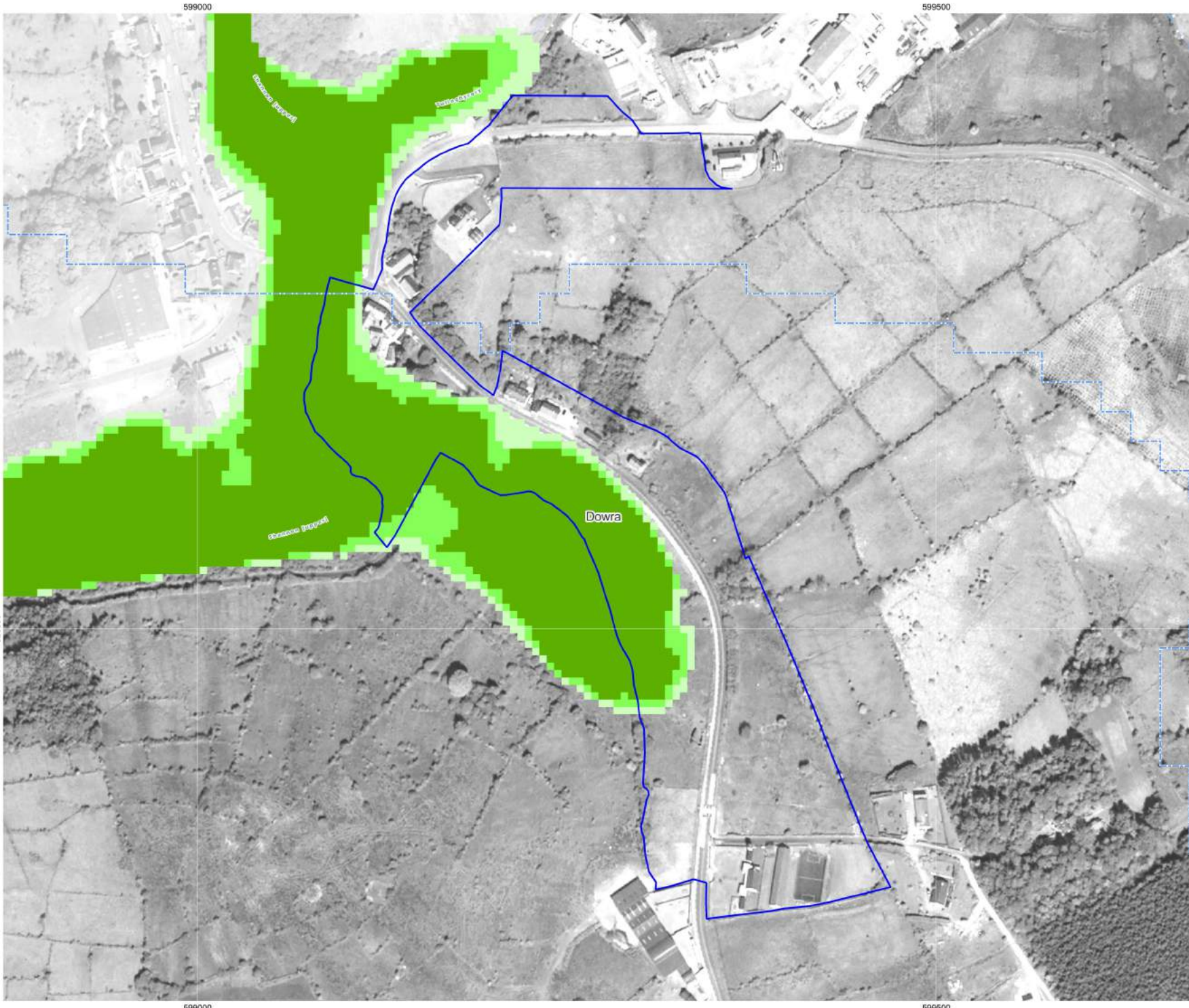
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County Leitrim Development Plan 2022-2028

Dowra
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 0.5% AEP
 - Coastal 0.1% AEP

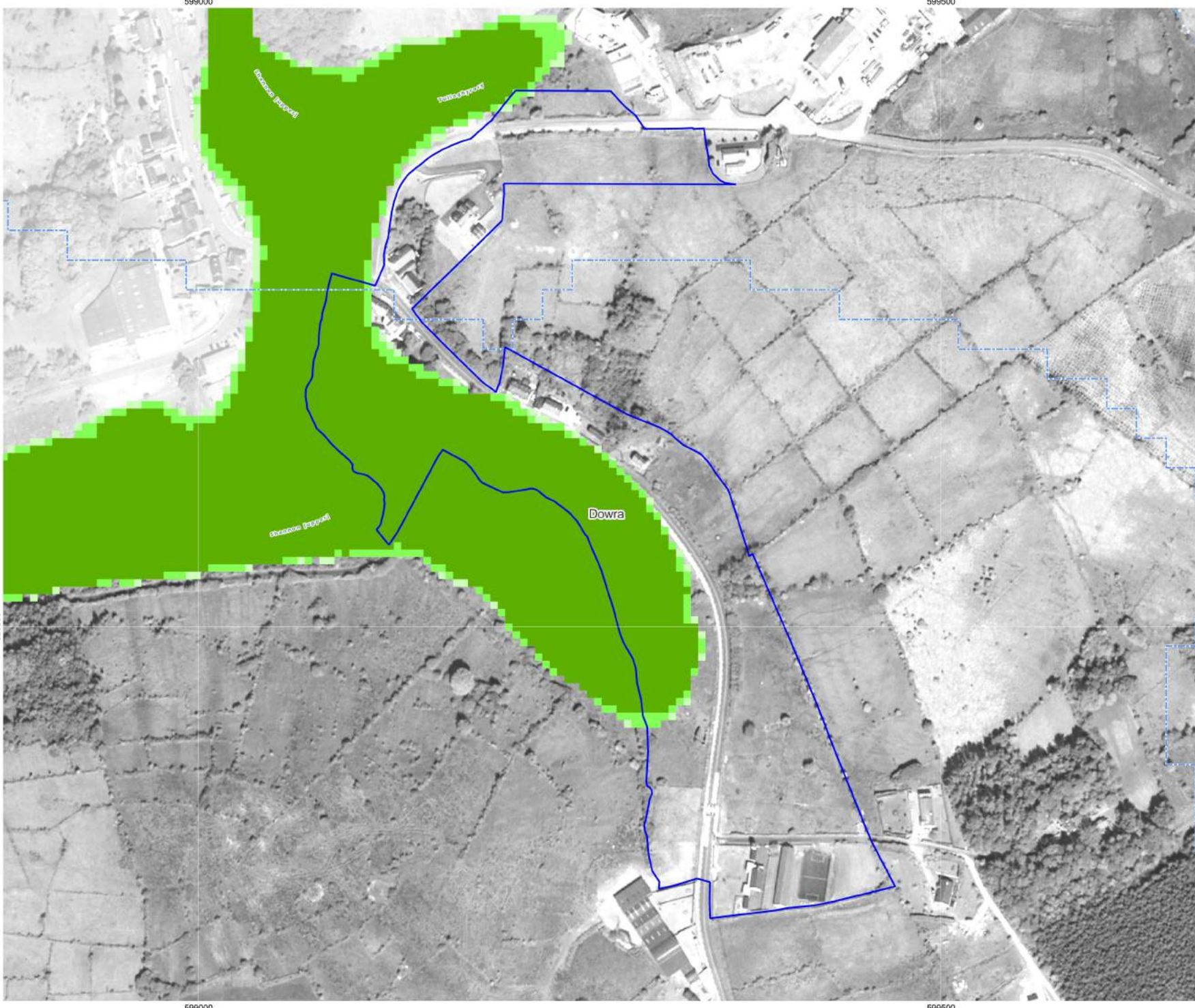
- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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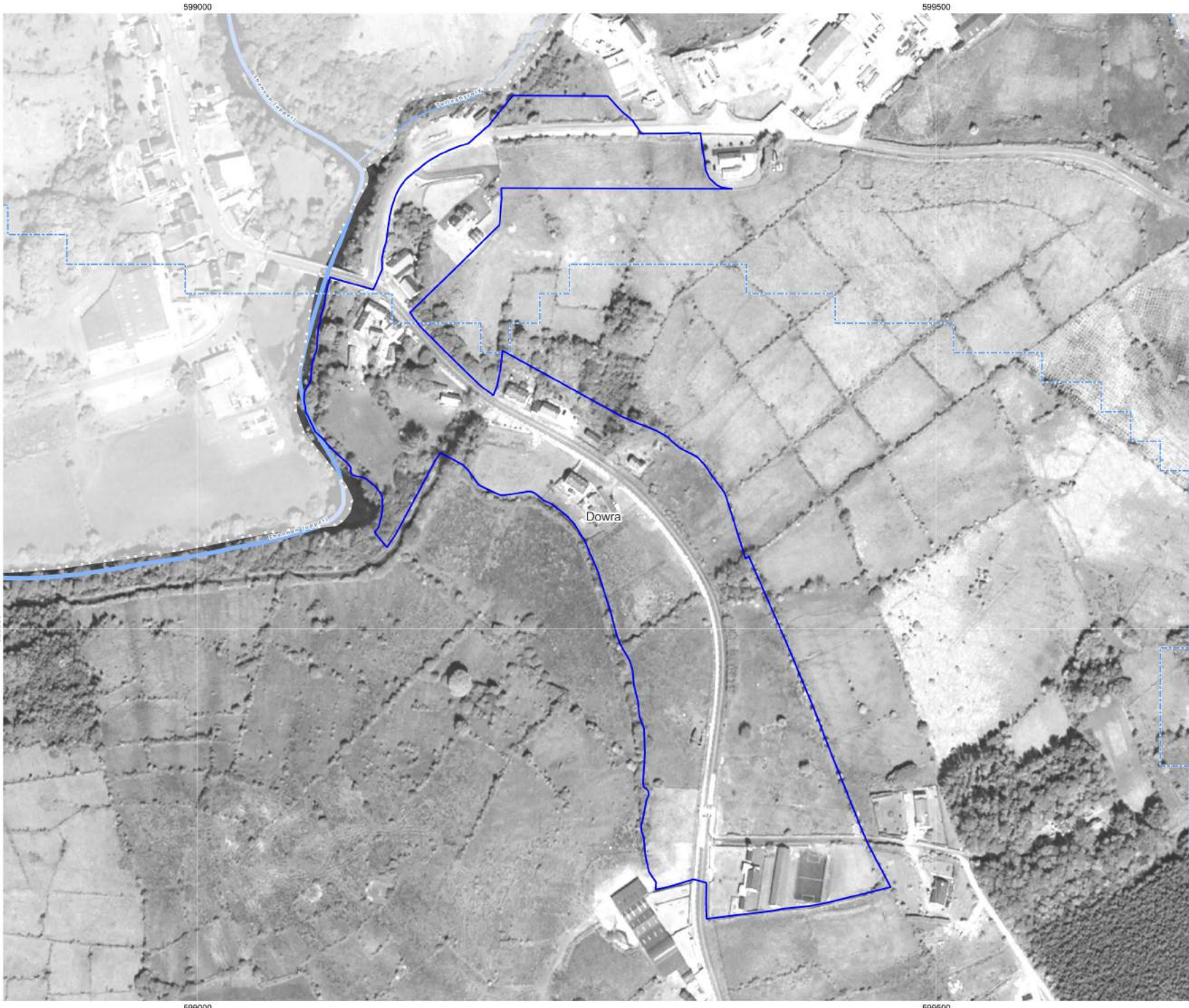
Dowra
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios



- 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Dowra GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Dowra Indicative Flood Zones

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- Indicative Flood Zones**
- Flood Zone A
 - Flood Zone B
- PFRA**
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability



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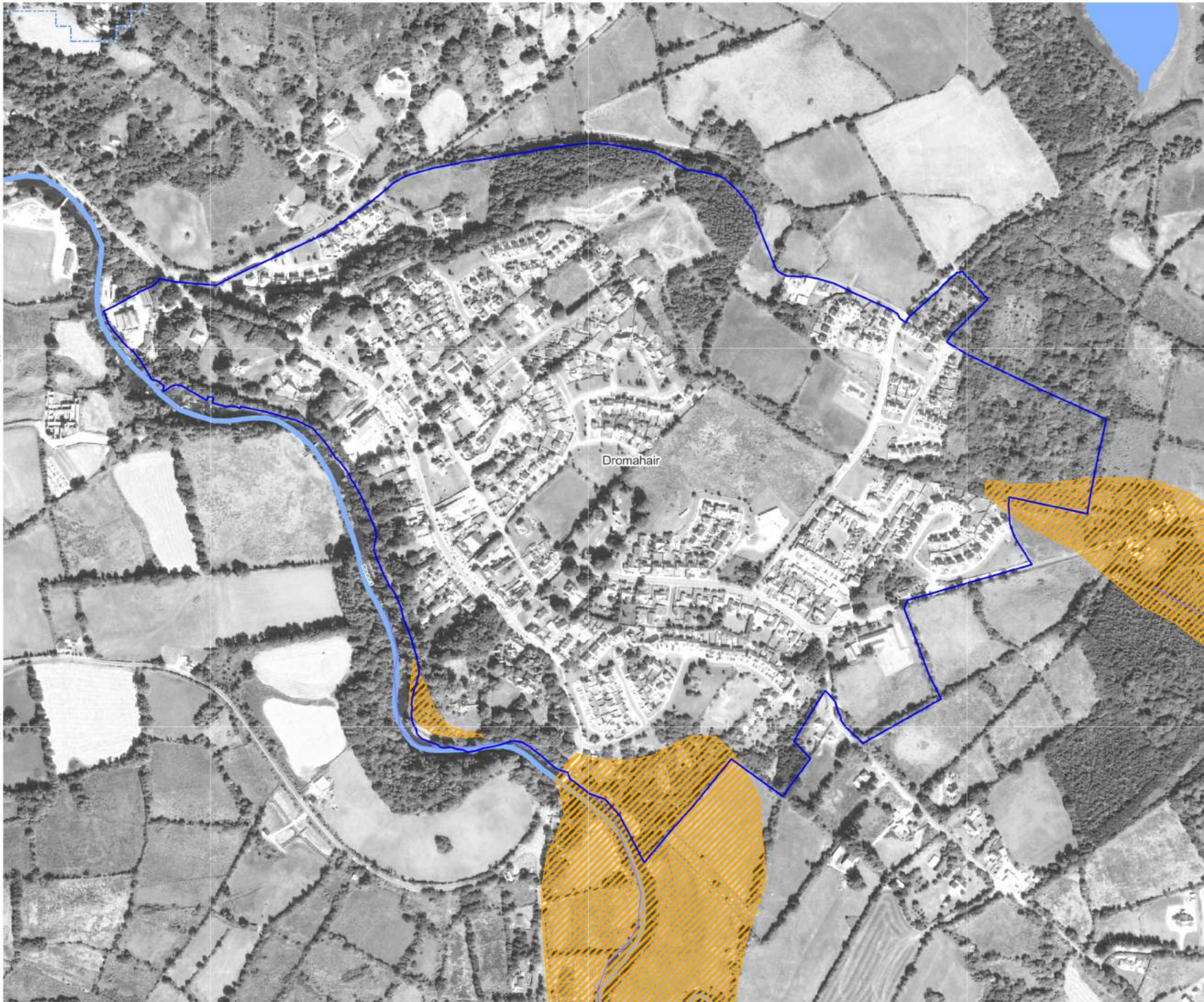
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County Leitrim Development Plan 2022-2028

Dromahair 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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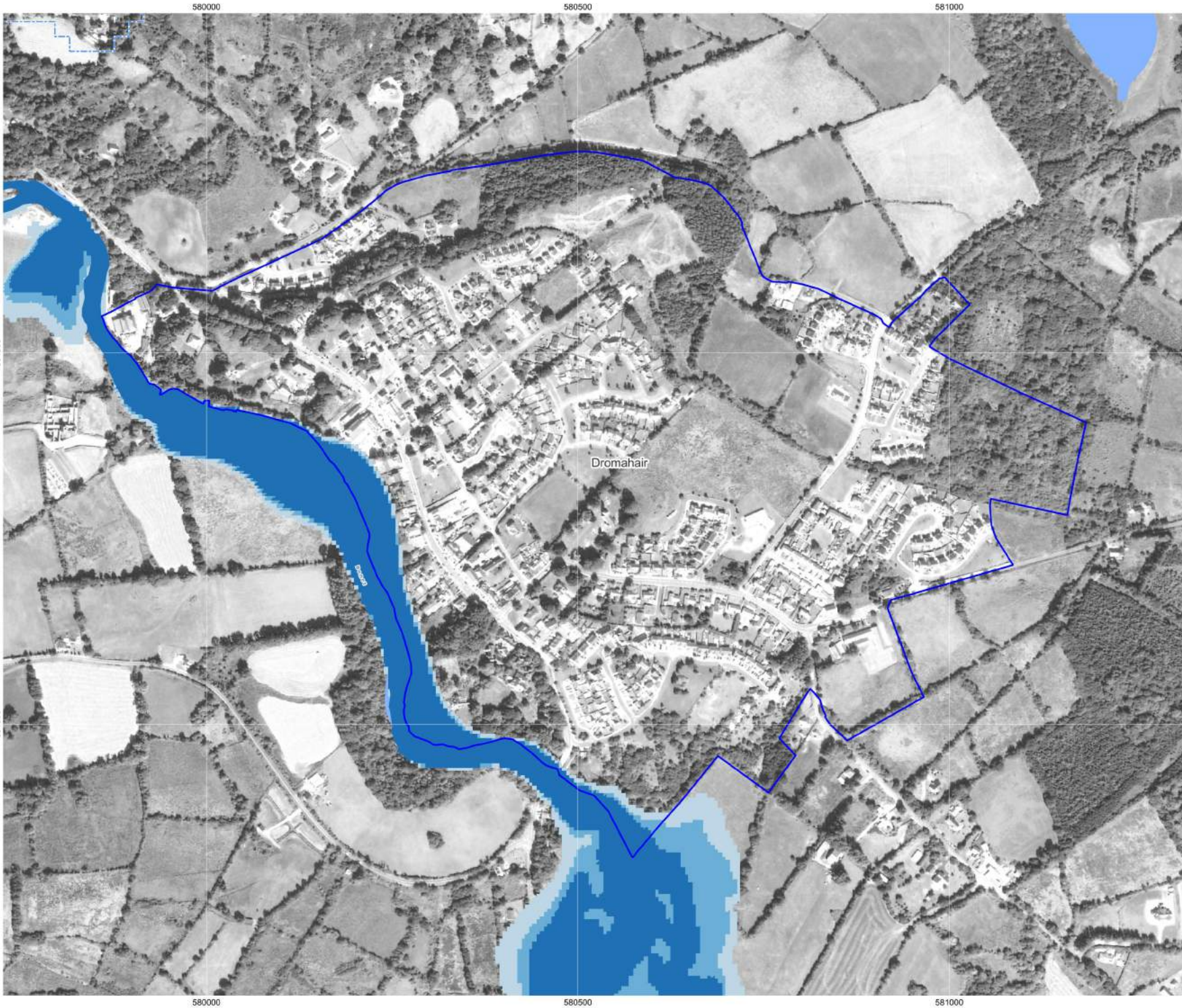
County Leitrim Development Plan 2022-2028

Dromahair
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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

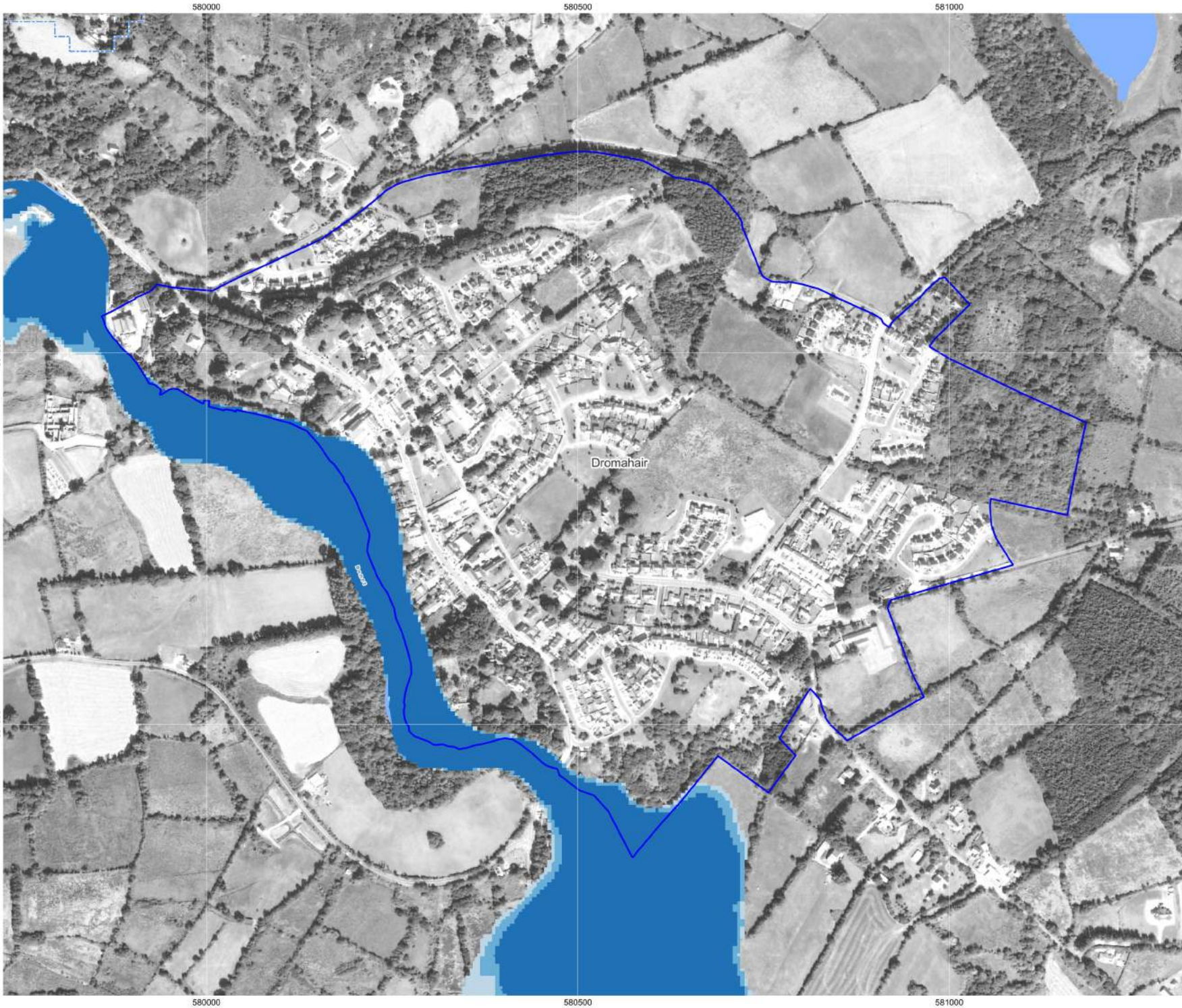
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM Present Day**
- Fluvial 10% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Coastal 10% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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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

- 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 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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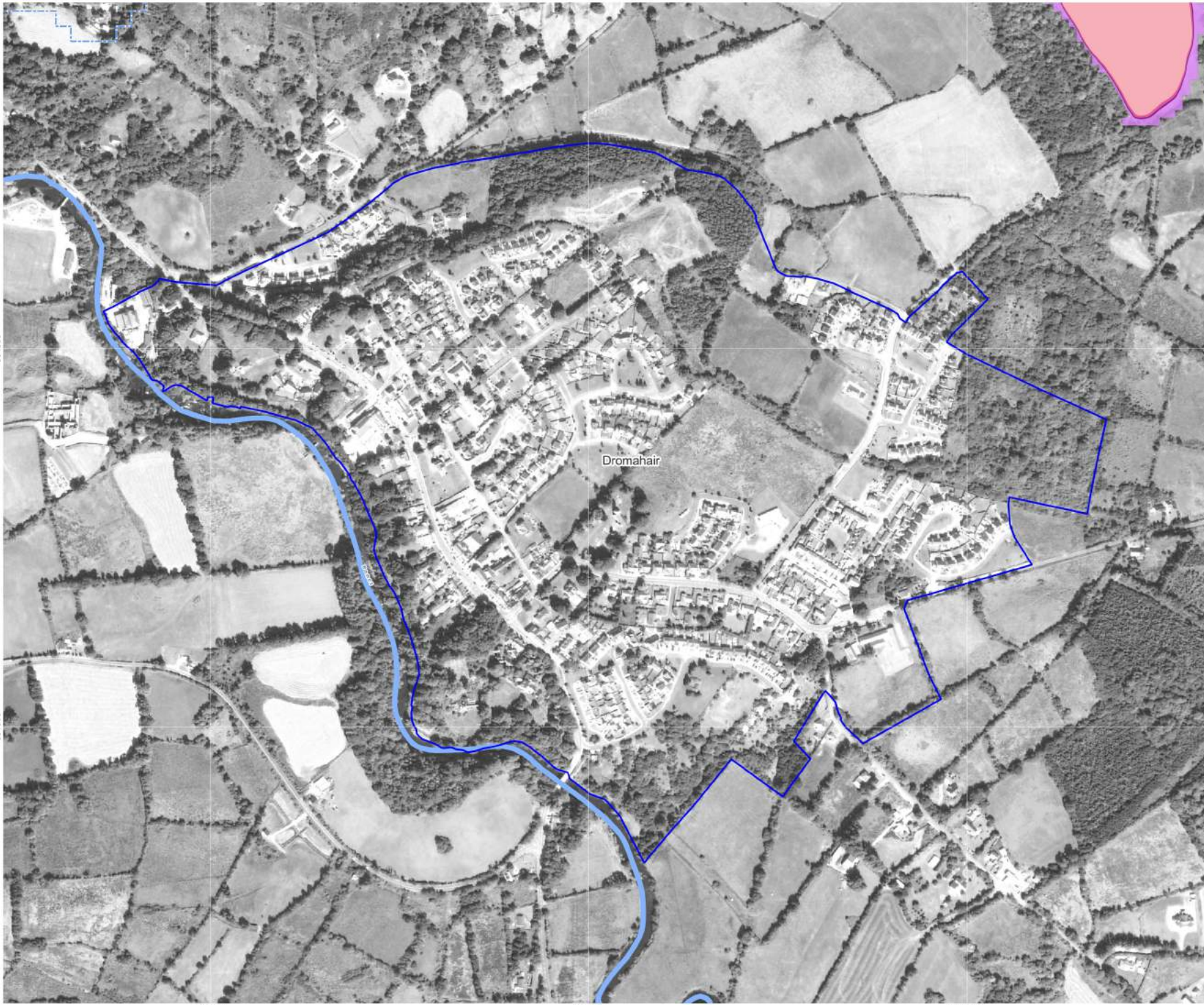
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County Leitrim Development Plan 2022-2028

Dromahair
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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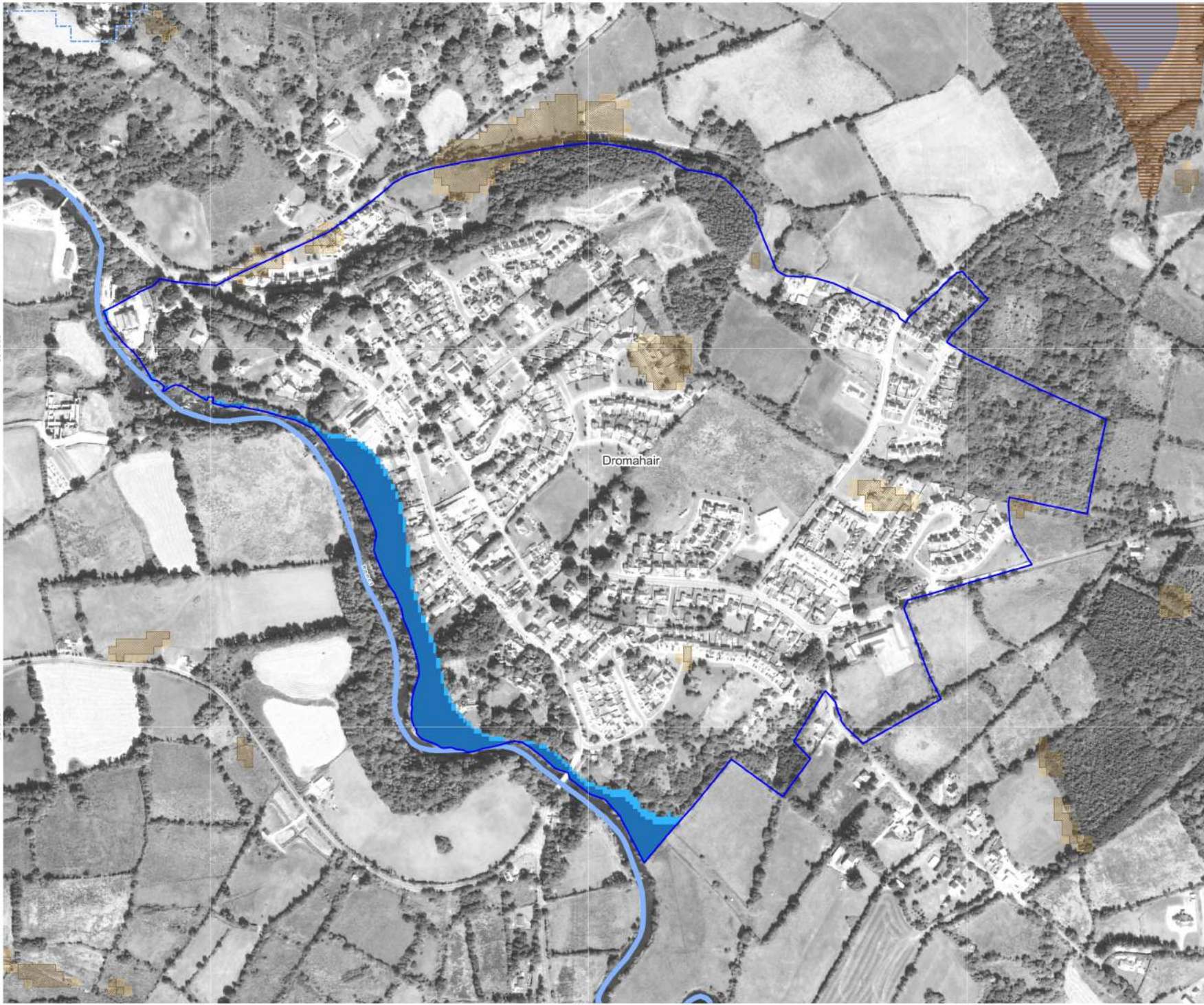
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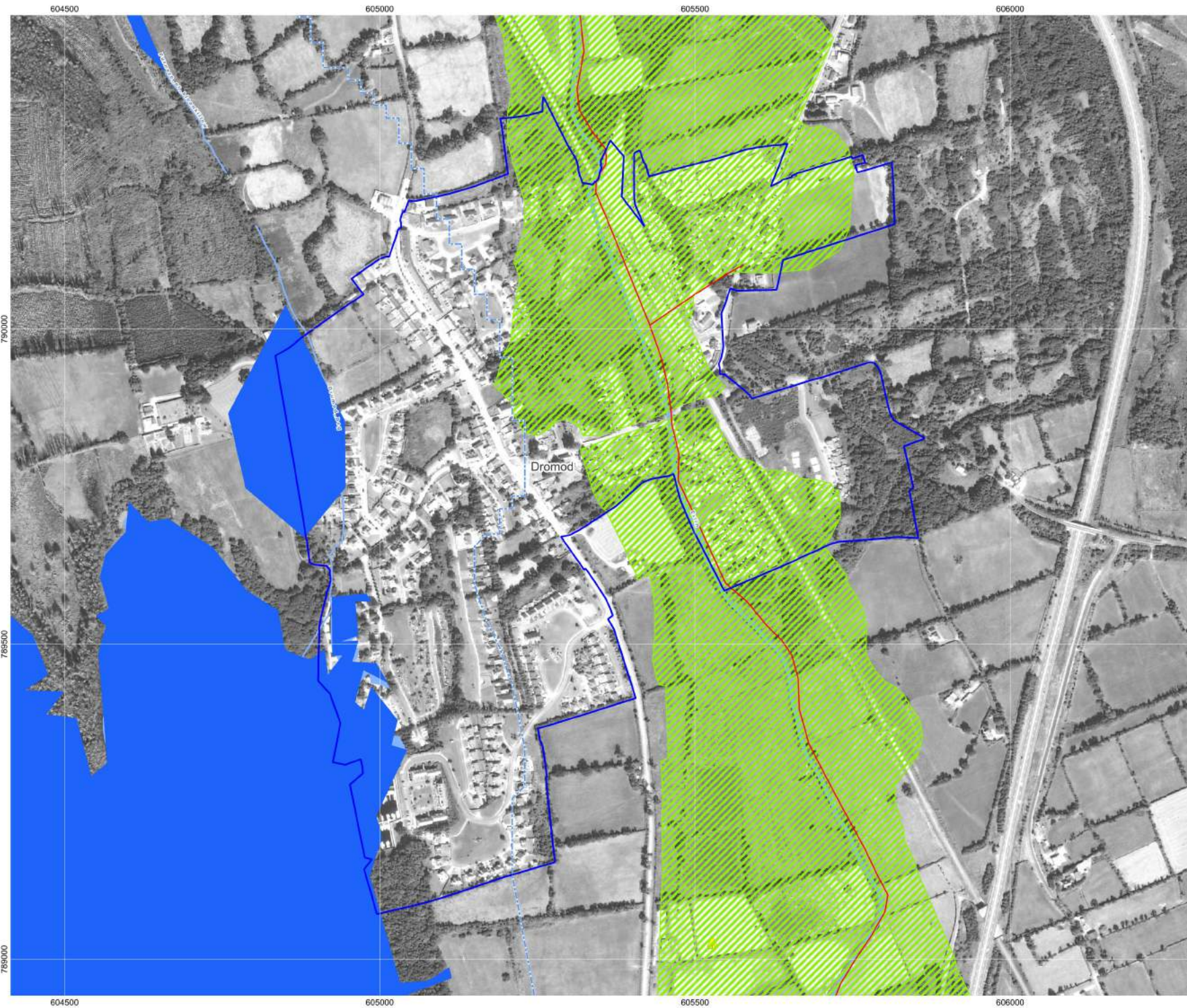
County Leitrim Development Plan 2022-2028

Dromahair Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
- Flood Zone A
- Flood Zone B
- PFRA**
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability



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Dromod 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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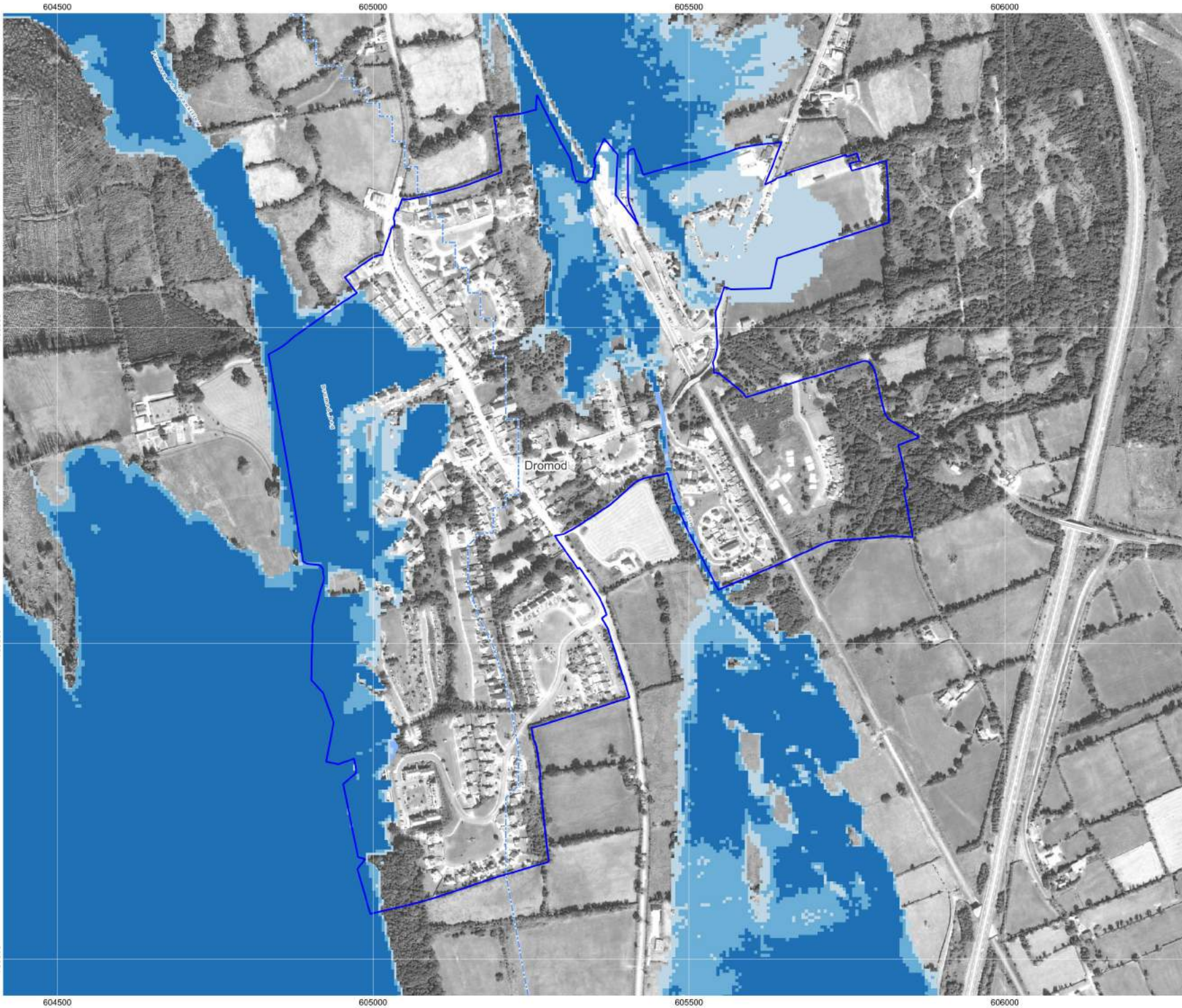
County Leitrim Development Plan 2022-2028

Dromod
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 0.5% AEP
- Coastal 0.1% AEP
- Groundwater



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Dromod
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 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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

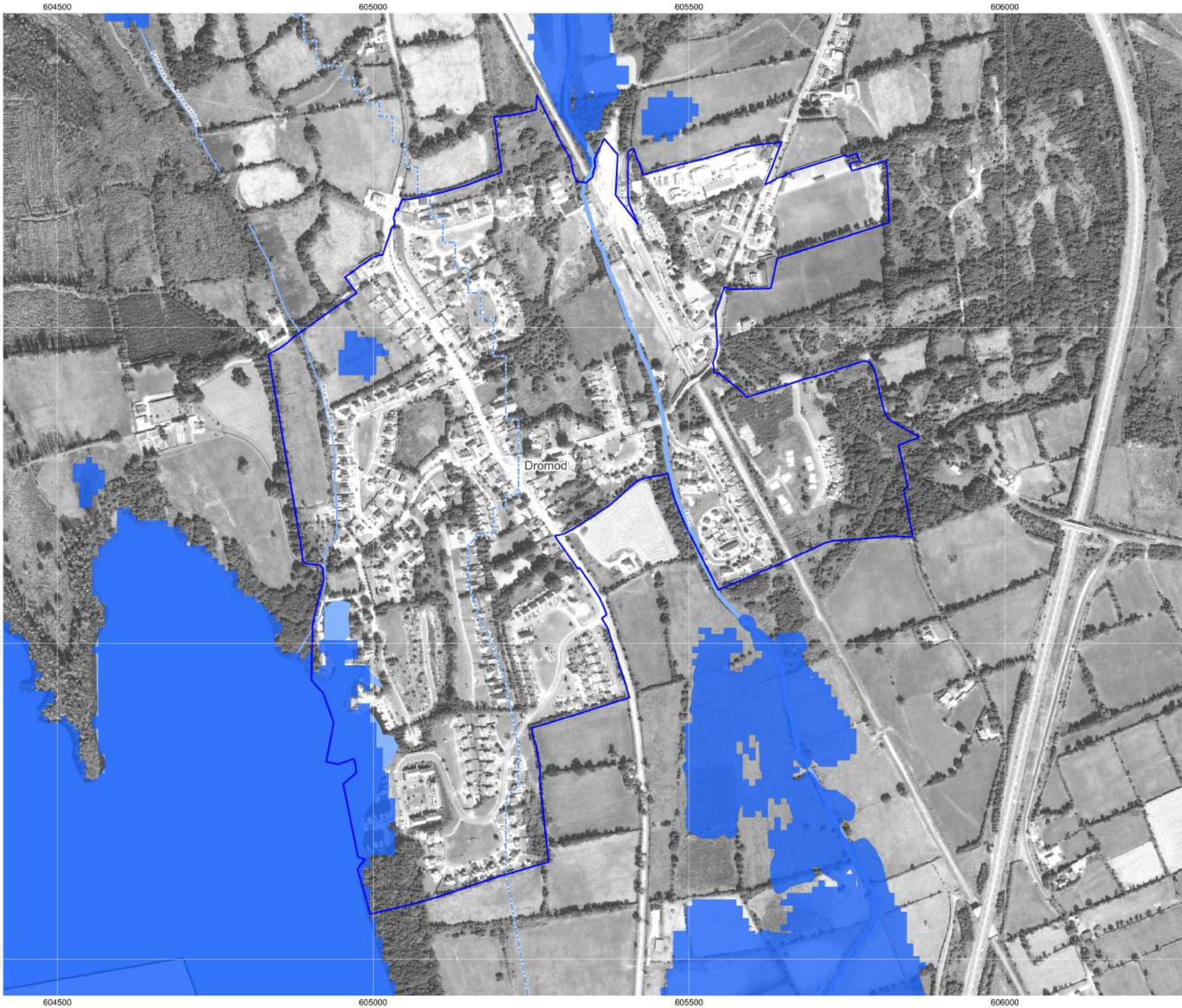
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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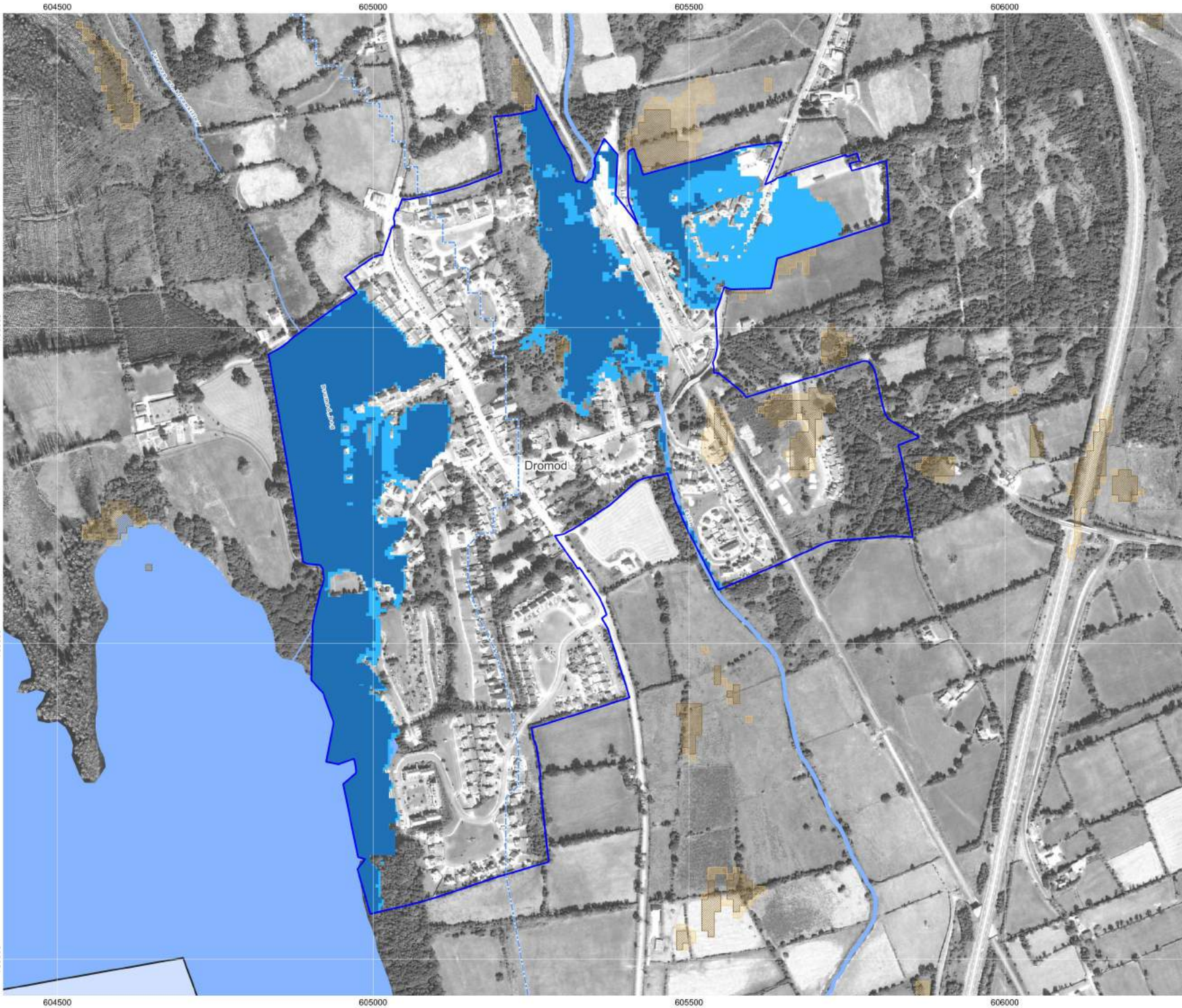
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Dromod
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Dromod Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### Indicative Flood Zones
- Flood Zone A
 - Flood Zone B

- ### PFRA
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability



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Drumcong 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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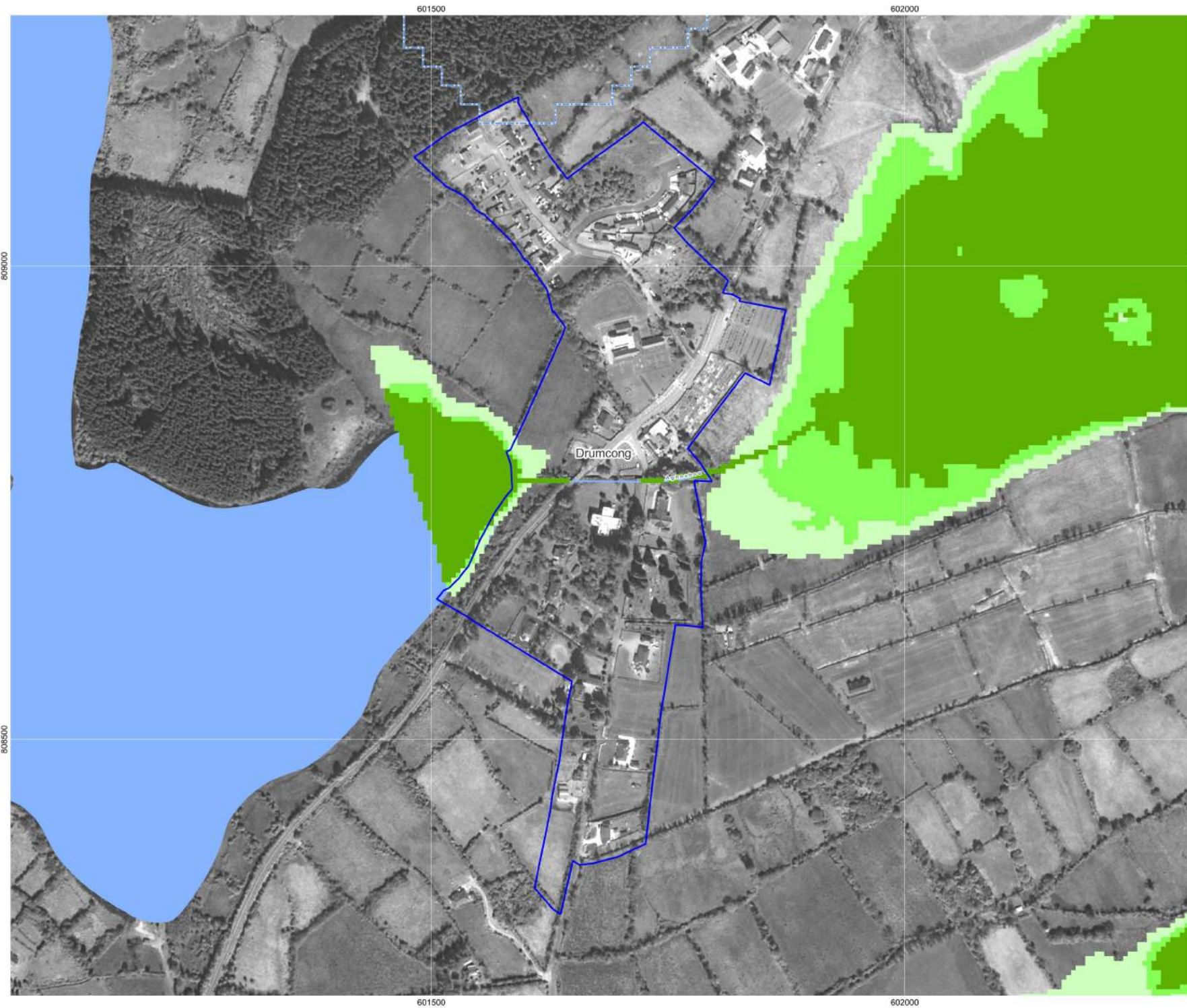
County Leitrim Development Plan 2022-2028

Drumcong 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 0.5% AEP
 -  Coastal 0.1% AEP
 -  Groundwater



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Drumcong
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 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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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 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 0.1% AEP
-  Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Drumcong
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Drumcong Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

Indicative Flood Zones

- Flood Zone A
- Flood Zone B

PFRA

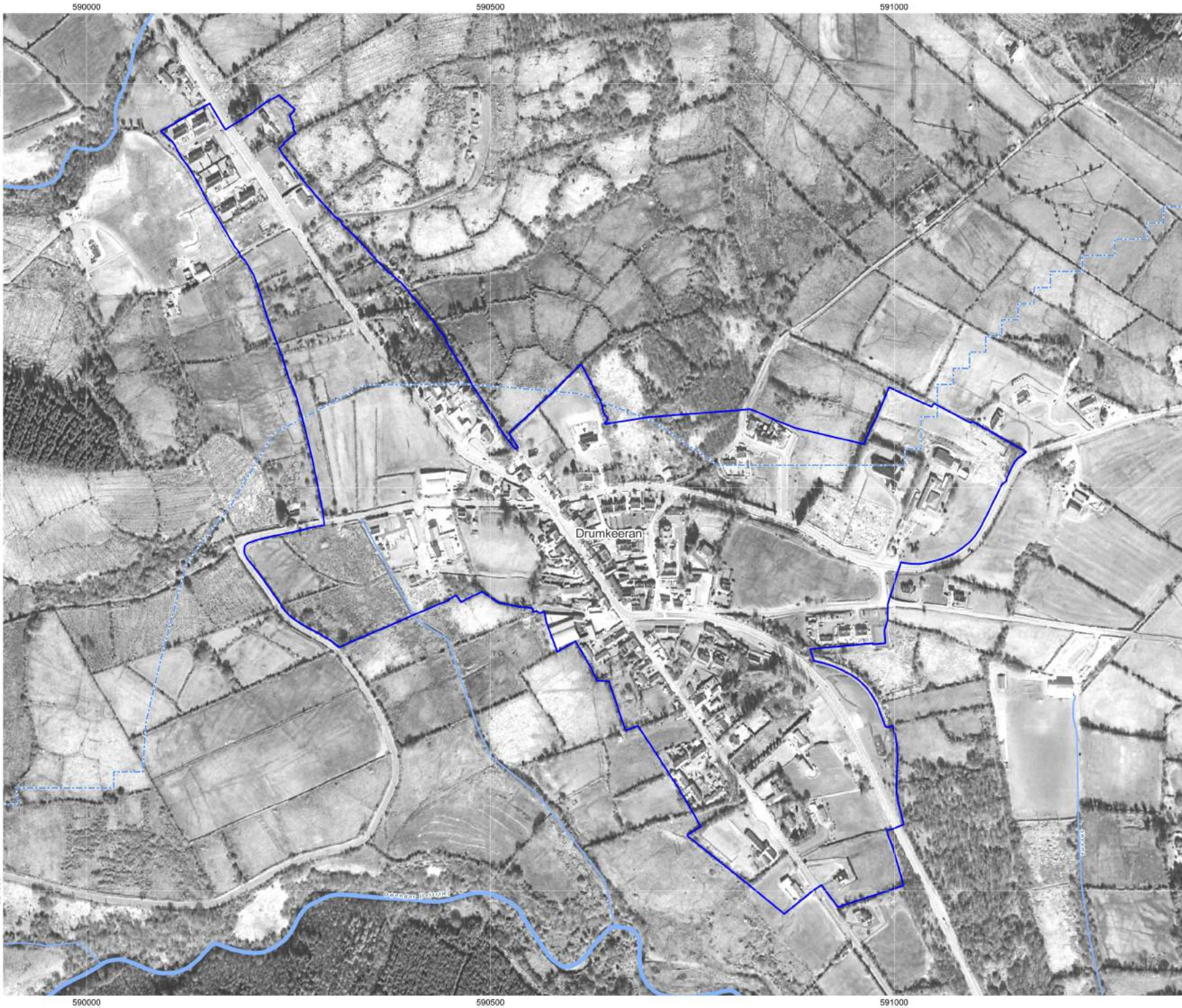
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low Probability



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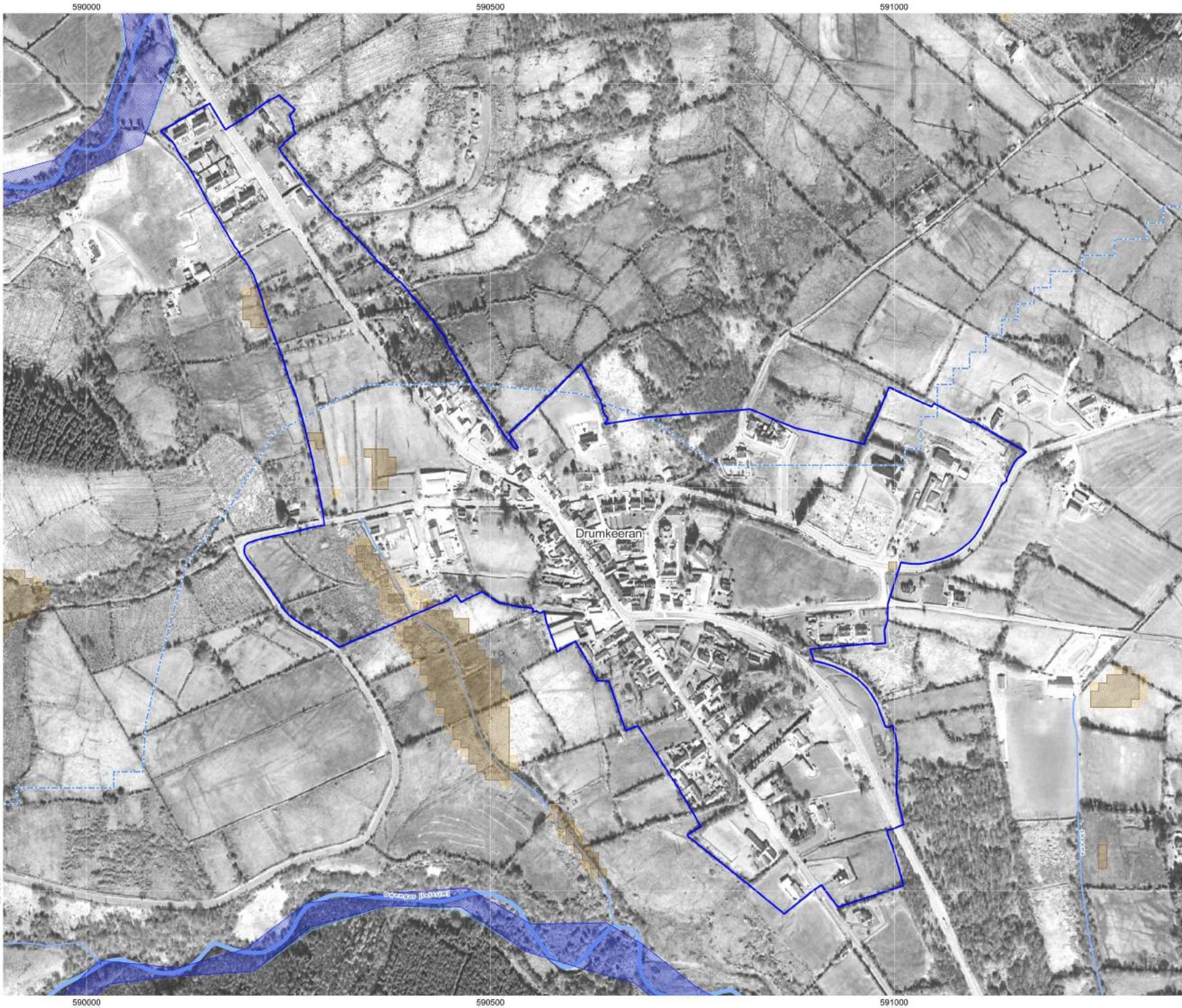
County Leitrim Development Plan 2022-2028

Drumkeeran 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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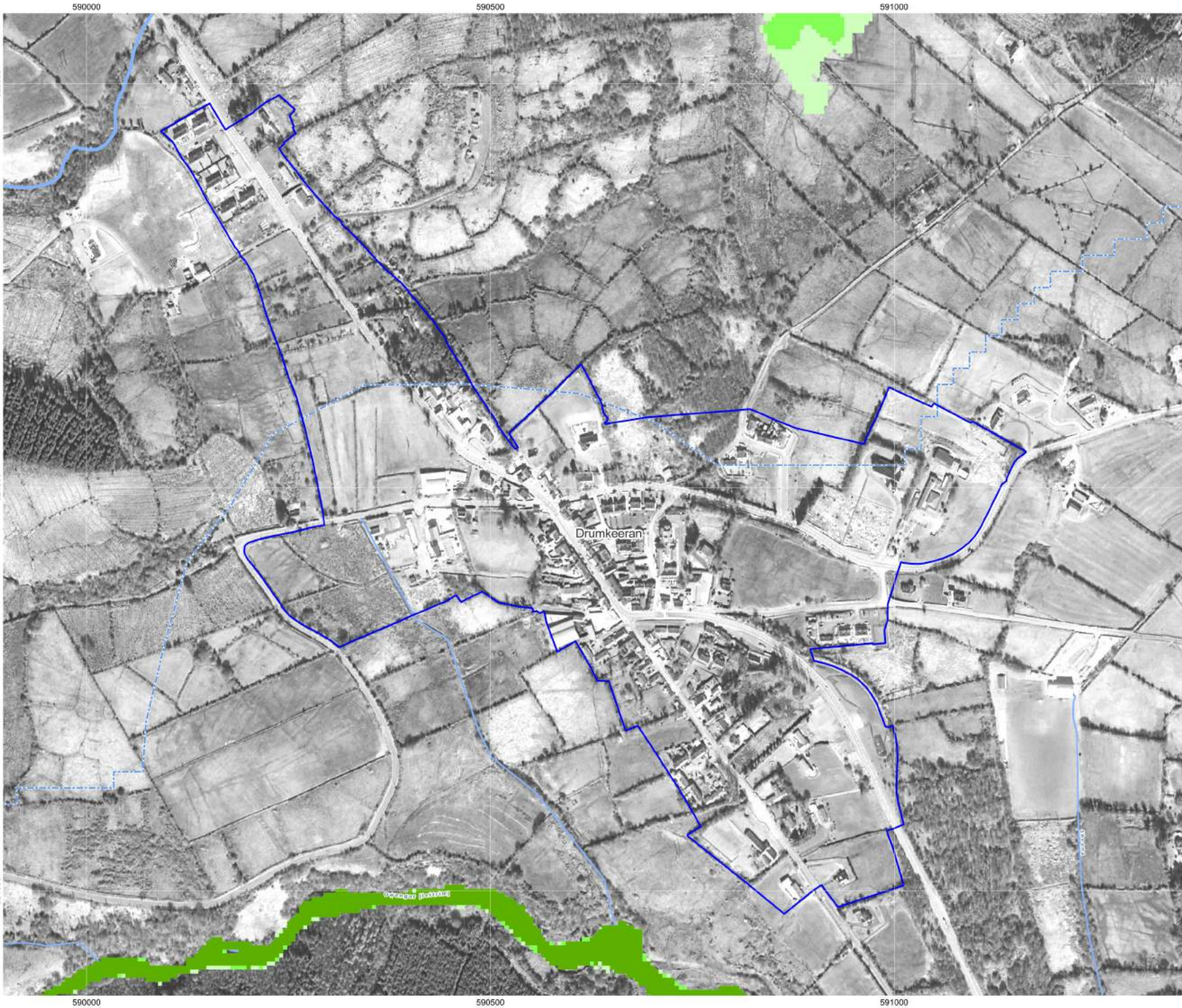
County Leitrim Development Plan 2022-2028

Drumkeeran 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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Drumkeeran
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

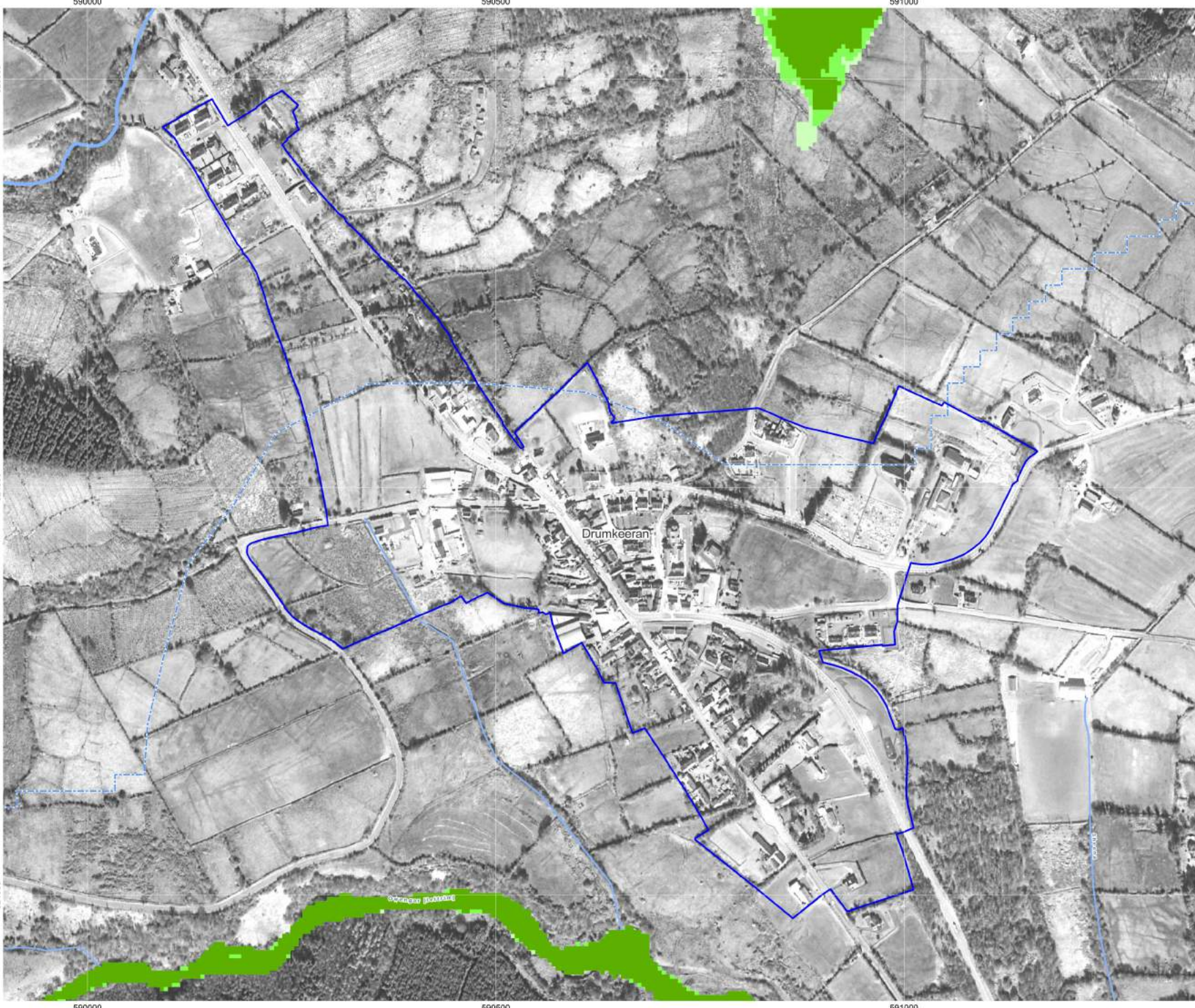
- Fluvial 10% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP
- Coastal 10% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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

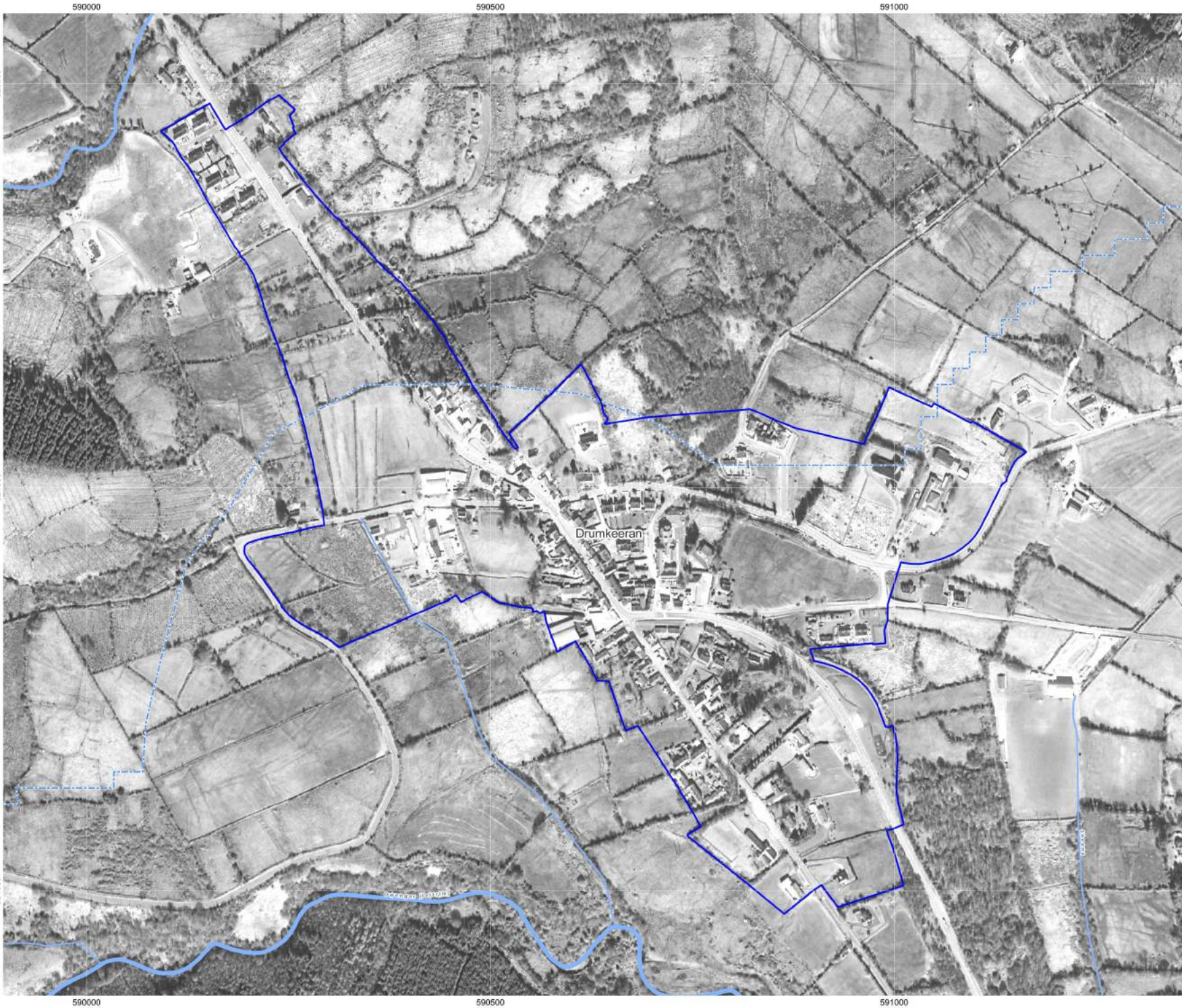
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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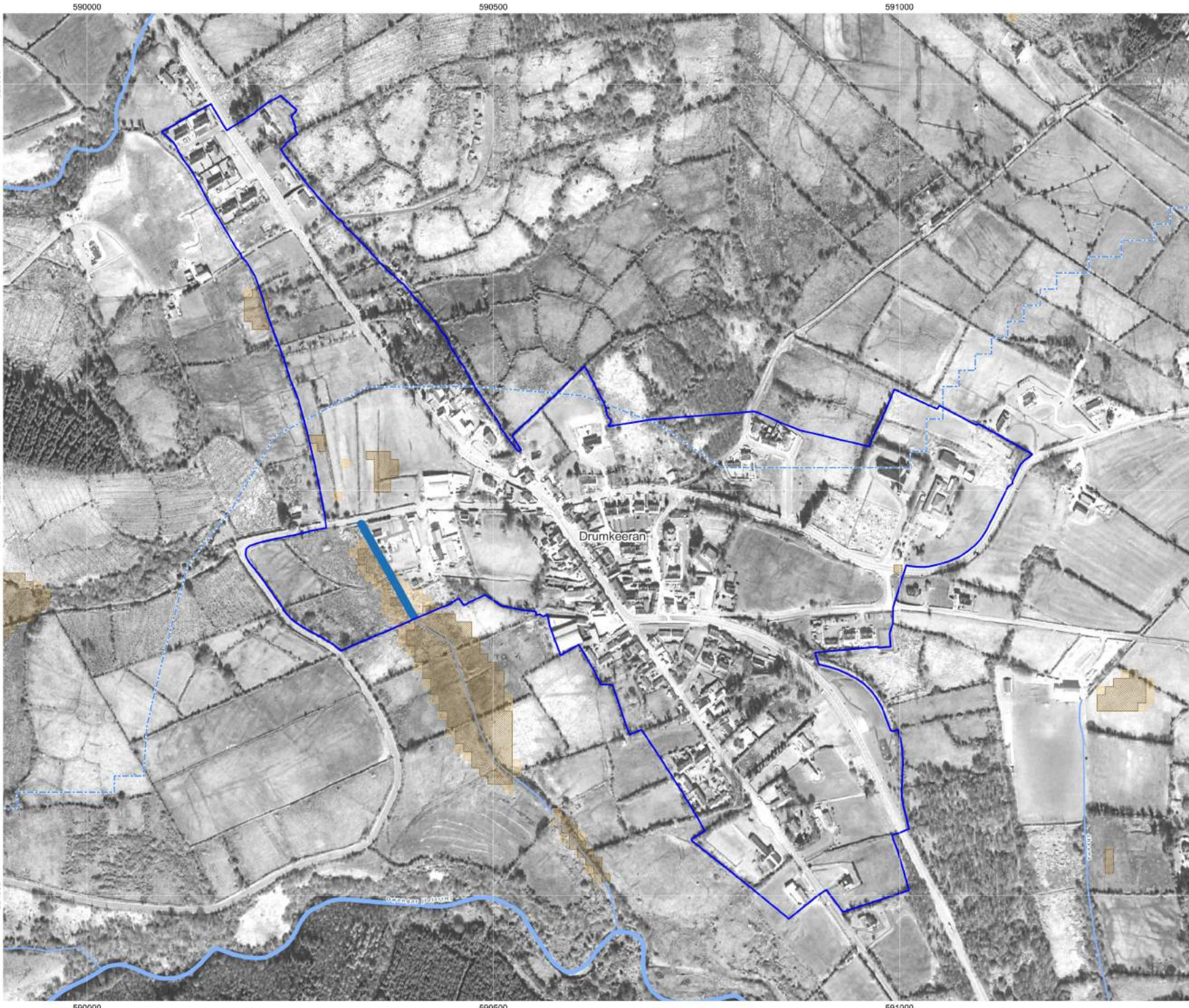
County Leitrim Development Plan 2022-2028

Drumkeeran GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low 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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Drumkeeran Indicative Flood Zones

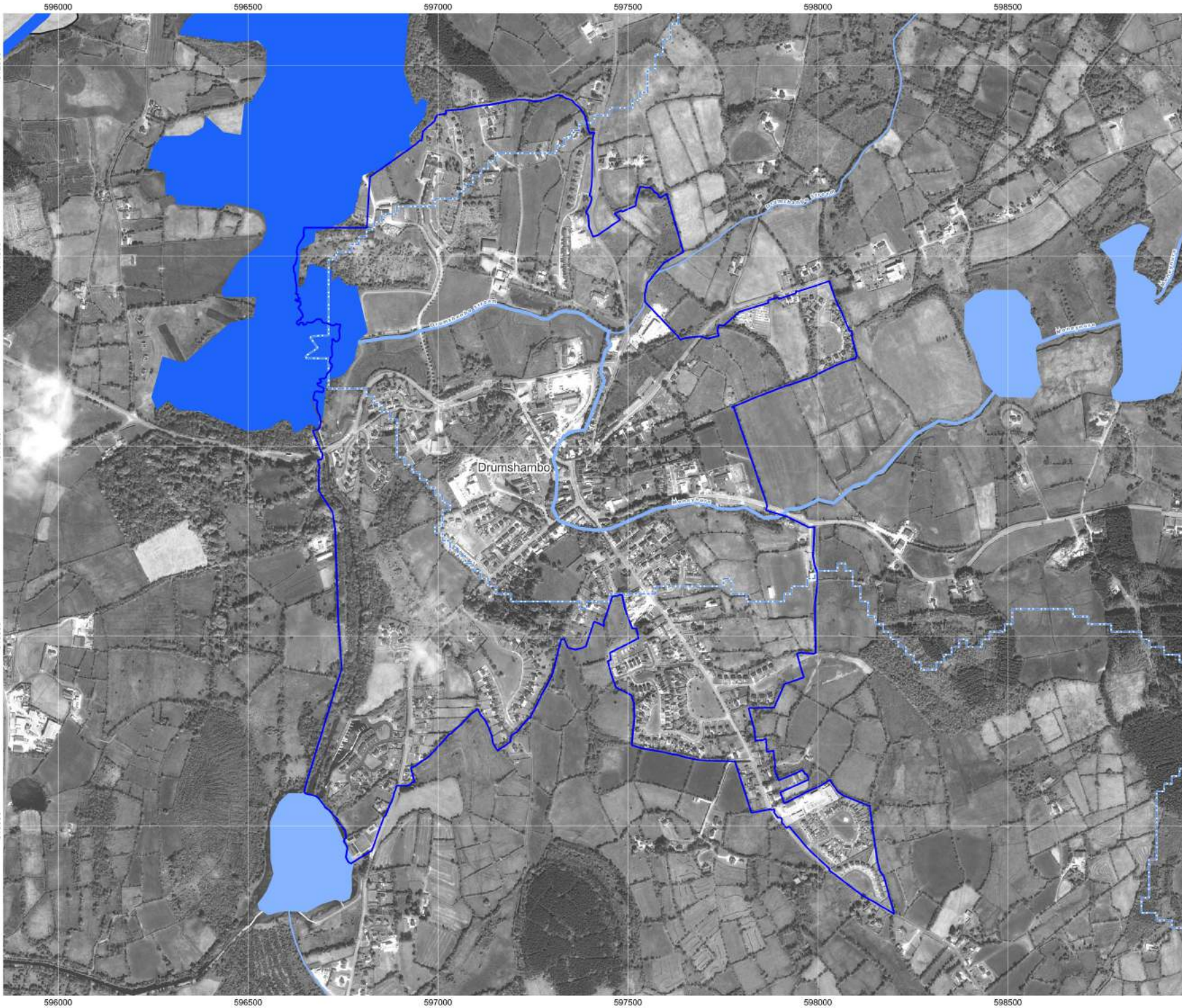
- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- Indicative Flood Zones**
- Flood Zone A
 - Flood Zone B
- PFRA**
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability



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Drumshambo OPW Historical Flood Data



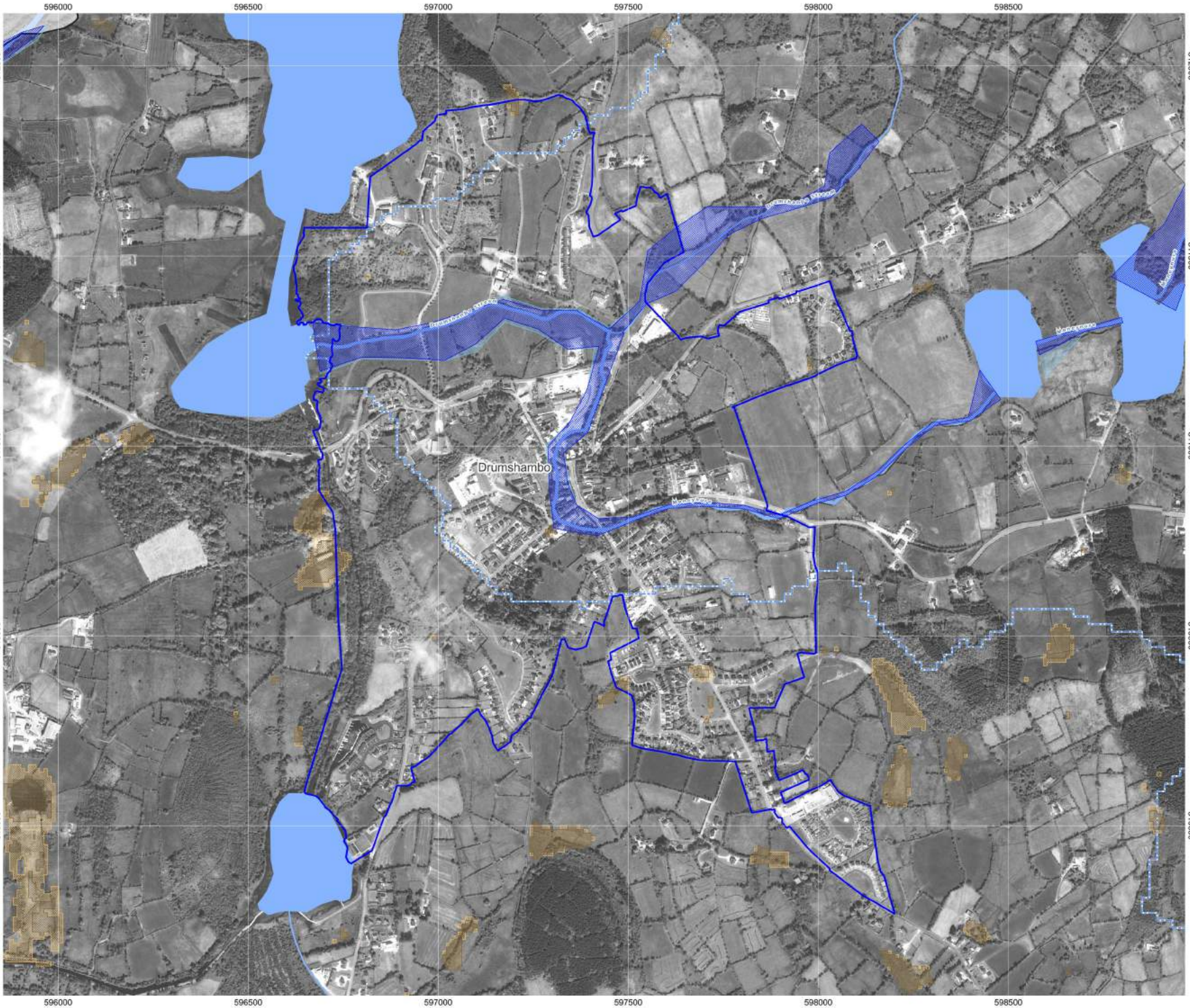
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- OPW Past Flood Events**
 - Single Flood Event
 - Recurring Flood Event
 - Past Flood Extent
- Land Commission**
 - Benefited Lands
- Drainage District**
 - Channel
 - Embankment
 - Benefited Lands
- Arterial Drainage Scheme**
 - Channel
 - Embankment
 - Benefited Lands



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Drumshambo OPW Preliminary Flood Risk Assessment (PFRA)

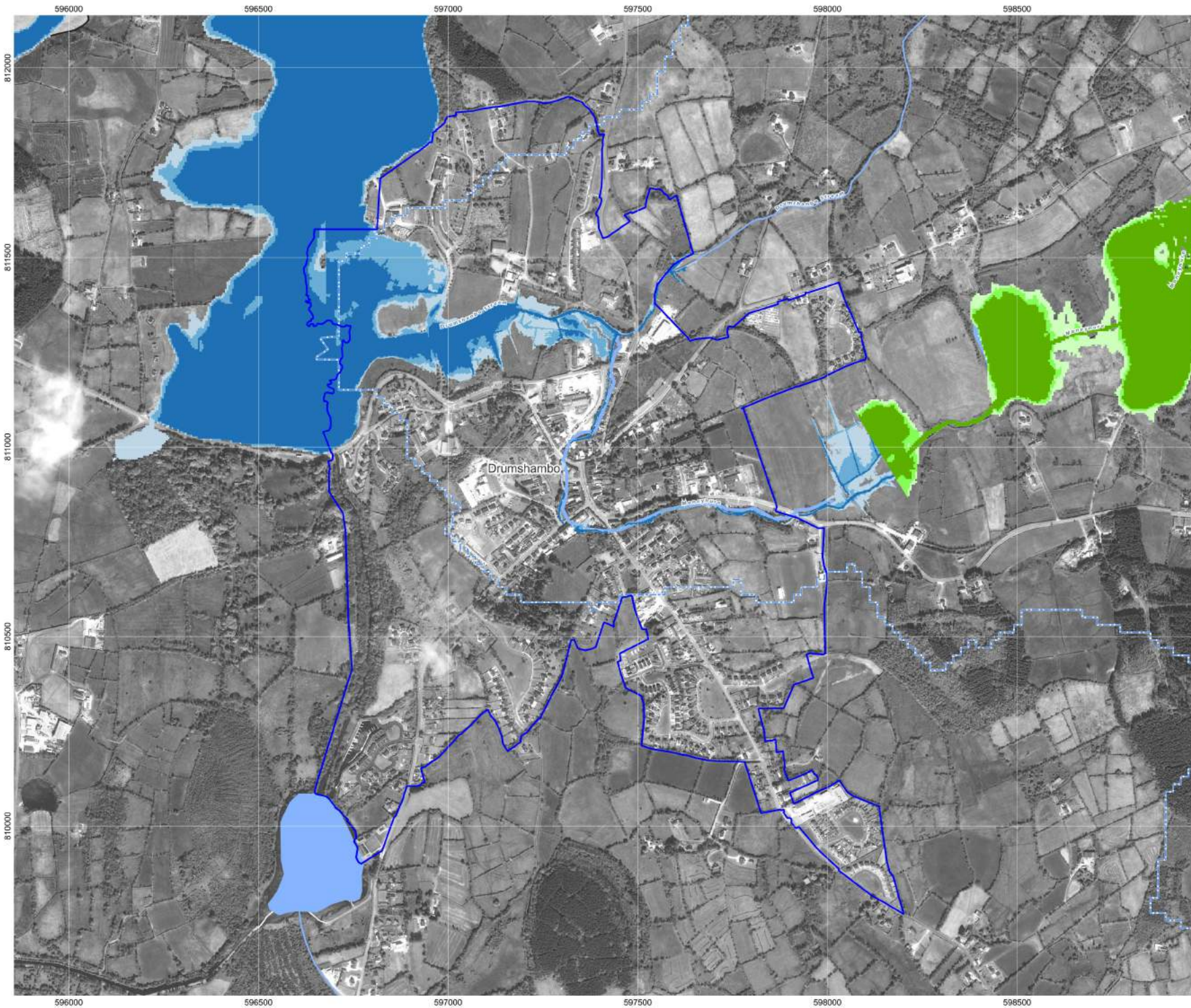


- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- PFRA**
- Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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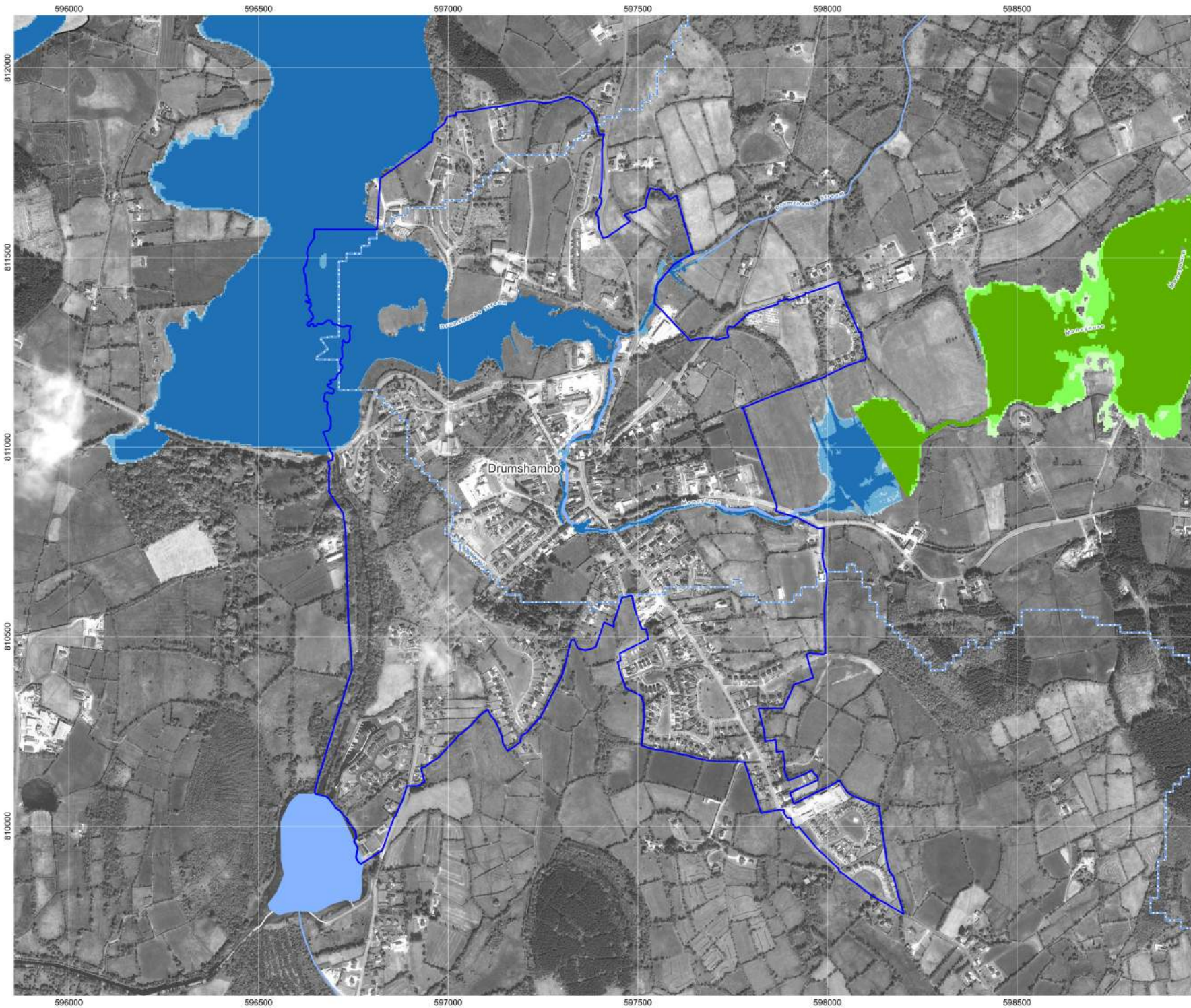
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Drumshambo
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
Present Day

- 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 0.5% AEP
 - Coastal 0.1% AEP
- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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Mapping (NIFM)
All Scenarios

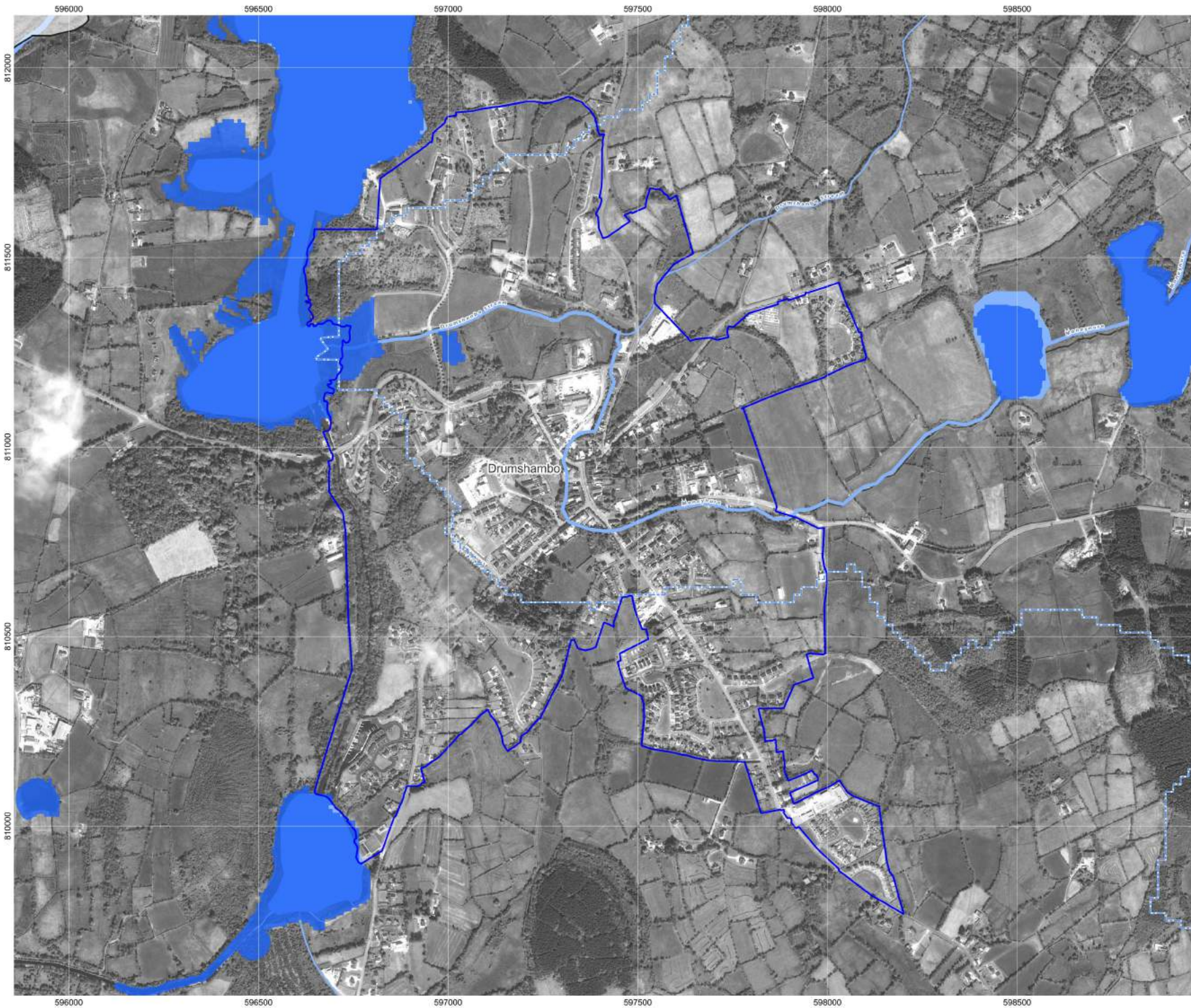
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Drumshambo
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

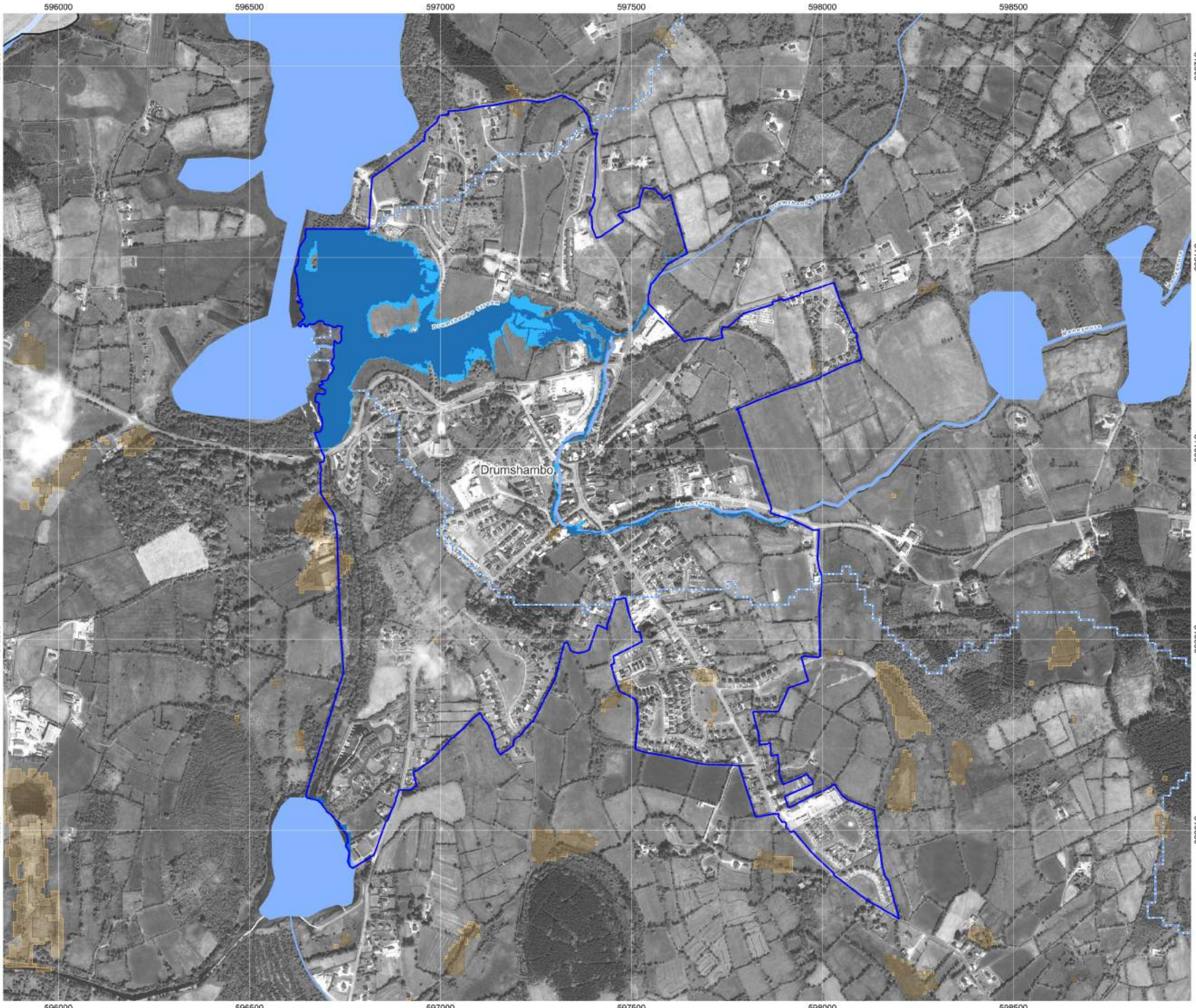
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- GSI Groundwater Flooding Predictive Model**
 - High Probability
 - Medium Probability
 - Low Probability
- GSI Historical Flood Data**
 - Surface Water Flooding**
 - Winter 2015-2016 Surface Water Flooding
 - Maximum Historic Groundwater Flooding**
 - Groundwater
 - Groundwater/Surface water



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Drumshambo Indicative Flood Zones



- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
- Flood Zone A
- Flood Zone B
- PFRA**
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability



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County Leitrim Development Plan 2022-2028

Drumsna 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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Drumsna 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater









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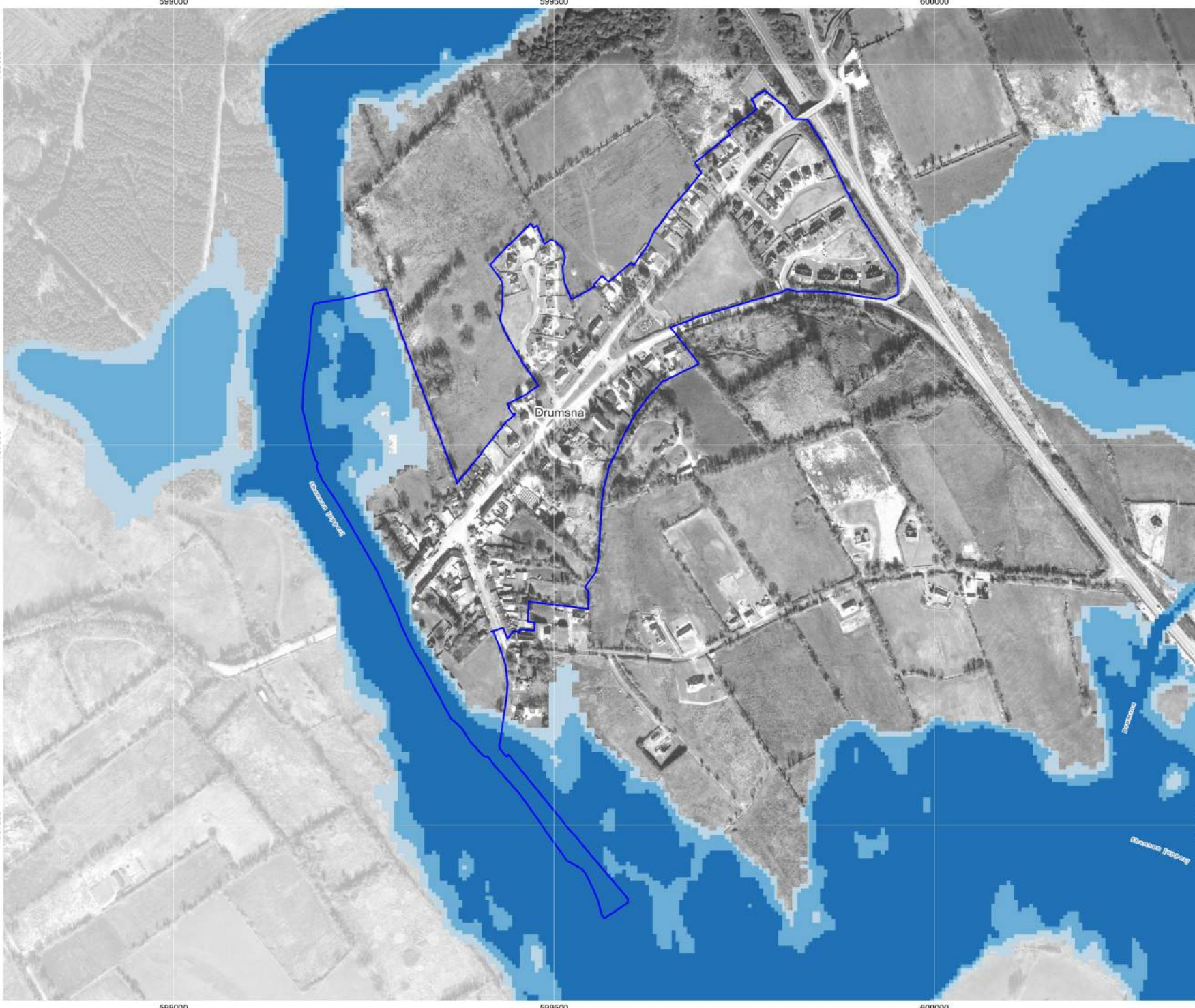
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Drumsna
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
Present Day

-  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 0.5% AEP
 -  Coastal 0.1% AEP

- NIFM Present Day**
-  Fluvial 5% AEP
 -  Fluvial 1% AEP
 -  Fluvial 0.1% AEP



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& 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Drumsna
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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Drumsna Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
- Flood Zone A
- Flood Zone B
- PFRA**
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability



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Fenagh 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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Fenagh
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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County Leitrim Development Plan 2022-2028

Fenagh
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 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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Fenagh
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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Fenagh GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Fenagh Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### Indicative Flood Zones
- Flood Zone A
 - Flood Zone B

- ### PFRA
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability



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County Leitrim Development Plan 2022-2028

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**
-  Channel
-  Embankment
-  Benefited Lands
- Arterial Drainage Scheme**
-  Channel
-  Embankment
-  Benefited Lands



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Glenfarne 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater

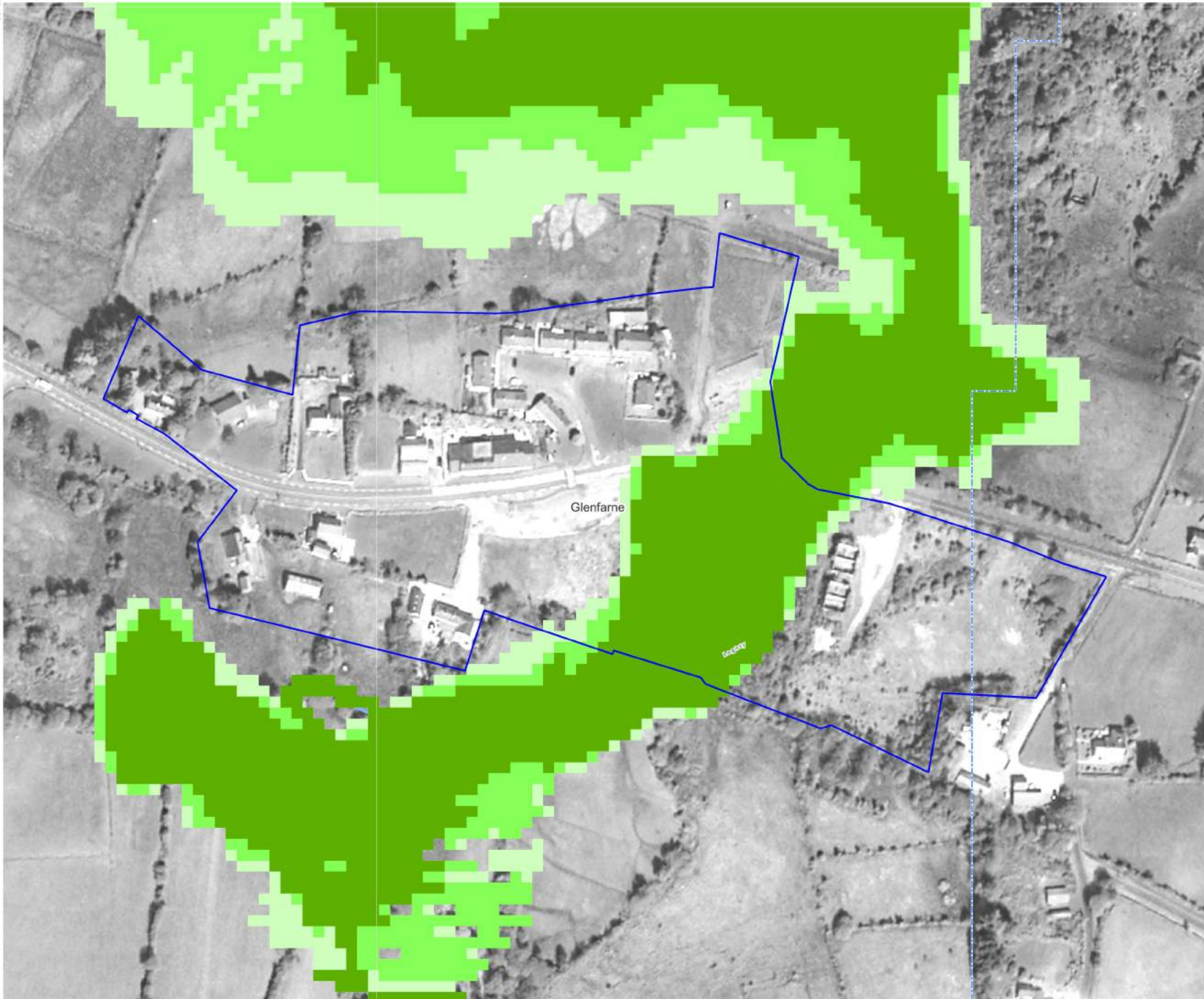


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Glenfarne
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
Present Day

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

CFRAM Present Day

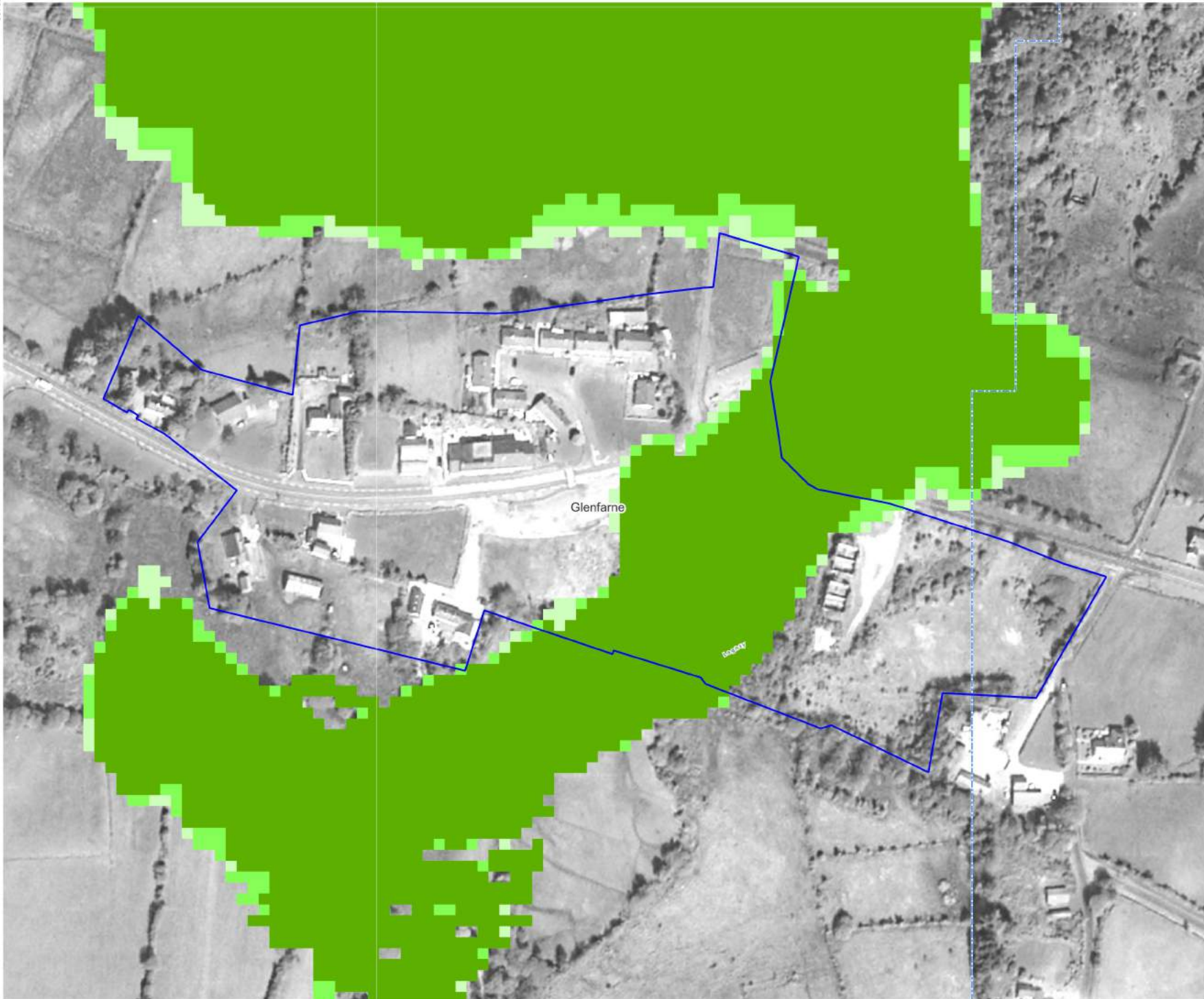
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- Coastal 10% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% 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 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 0.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP



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Glenfarne
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

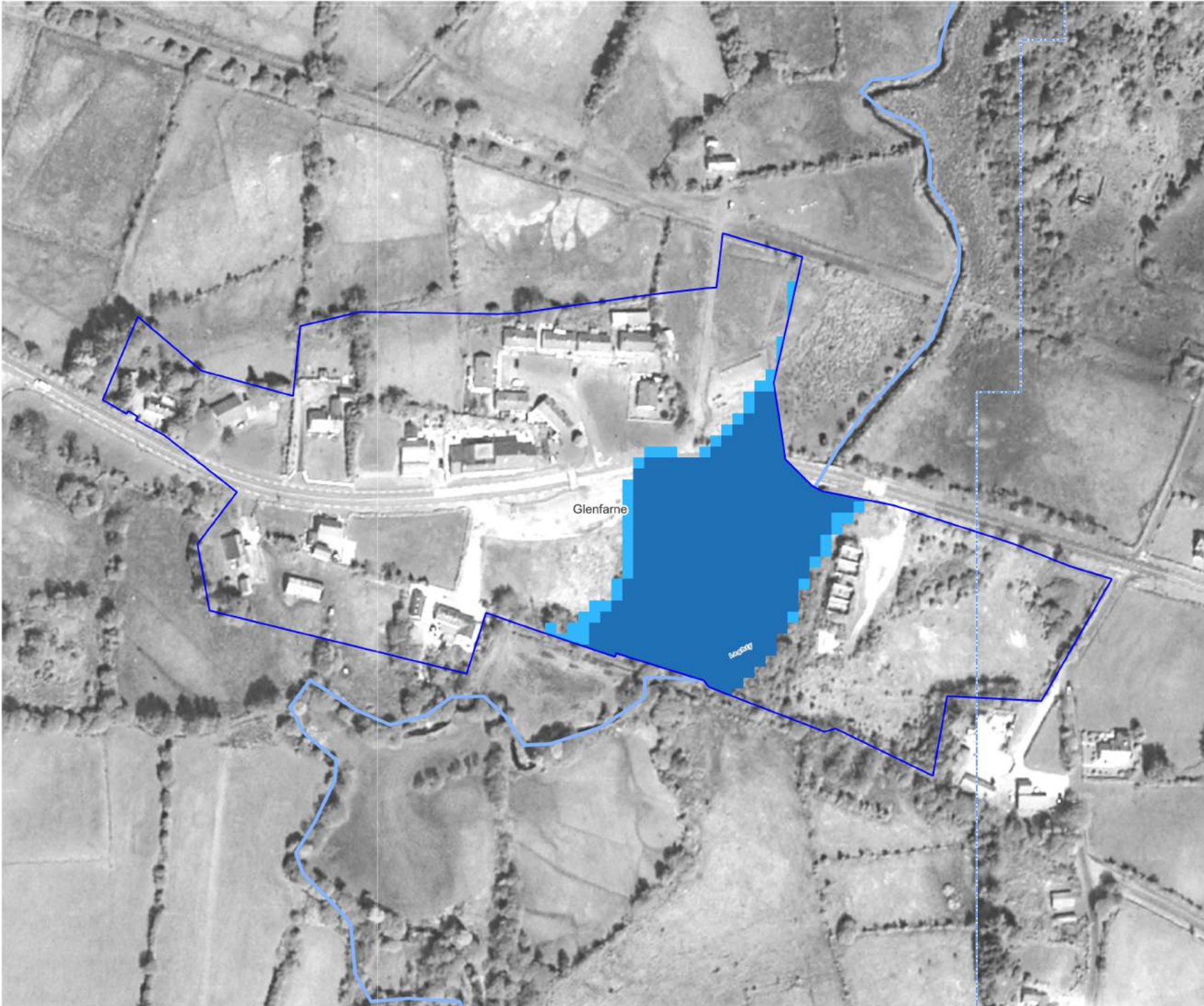
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability

- 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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County Leitrim Development Plan 2022-2028

Glenfarne Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

Indicative Flood Zones

- Flood Zone A
- Flood Zone B

PFRA

- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low Probability



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County Leitrim Development Plan 2022-2028

Glenfarne - Barrs West 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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Glenfarne - Barrs West
OPW Preliminary Flood
Risk Assessment (PFRA)

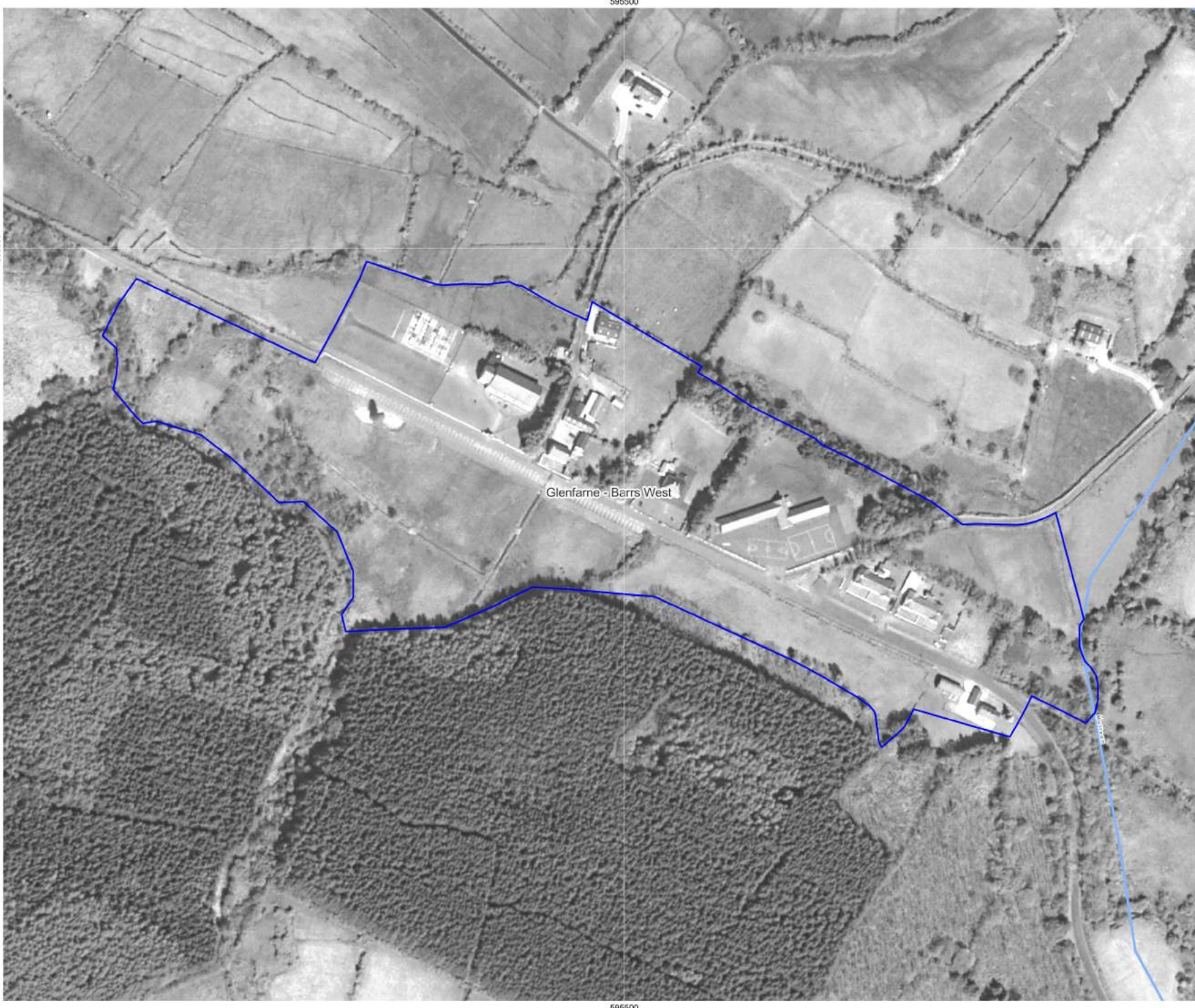
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- PFRA**
- Fluvial 1% AEP
- Fluvial 0.1% AEP
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP
- Groundwater

Glenfarne - Barrs West



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Glenfarne - Barrs West
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

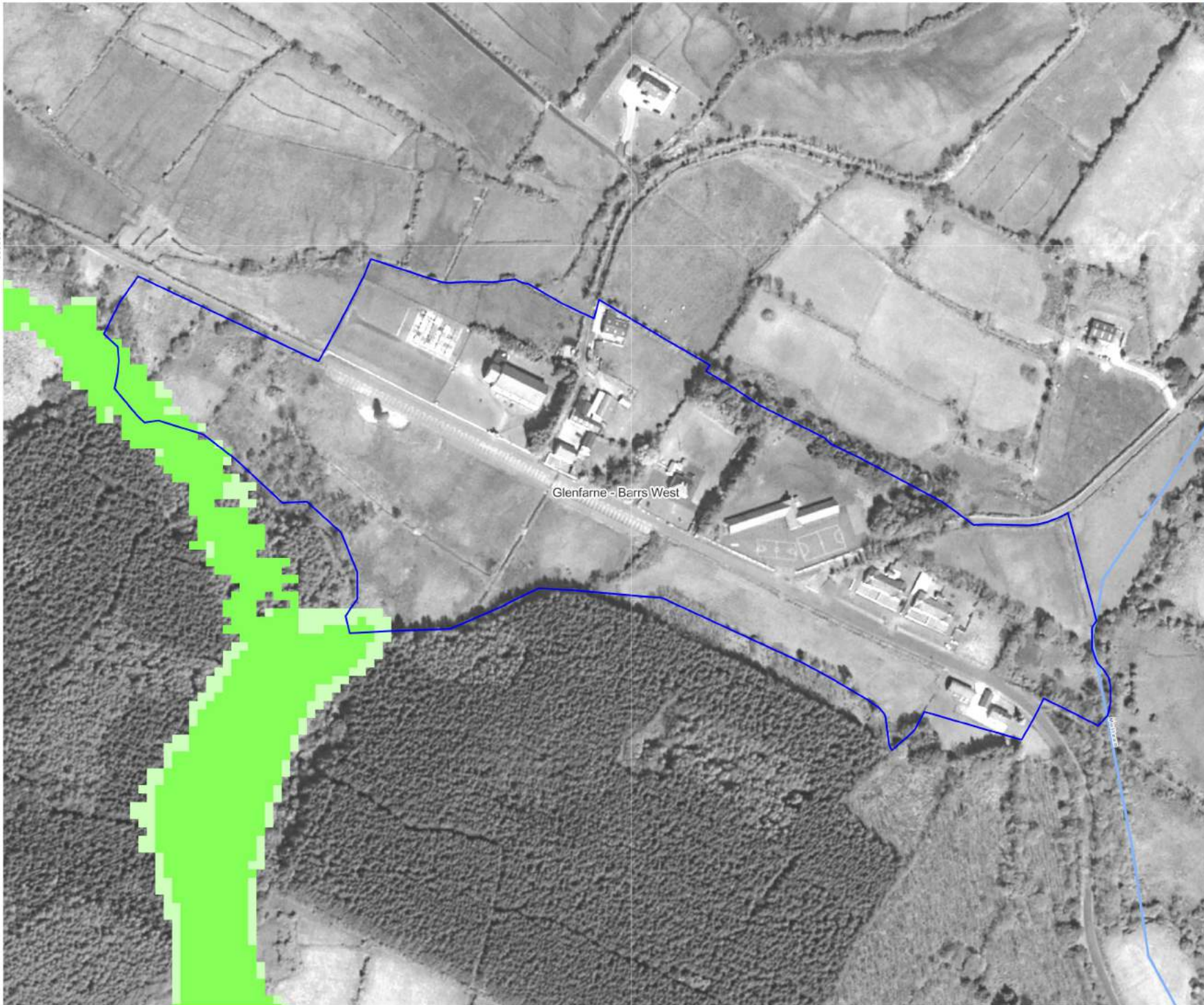
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- Fluvial 1% AEP
- Fluvial 0.1% AEP
- Coastal 10% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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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

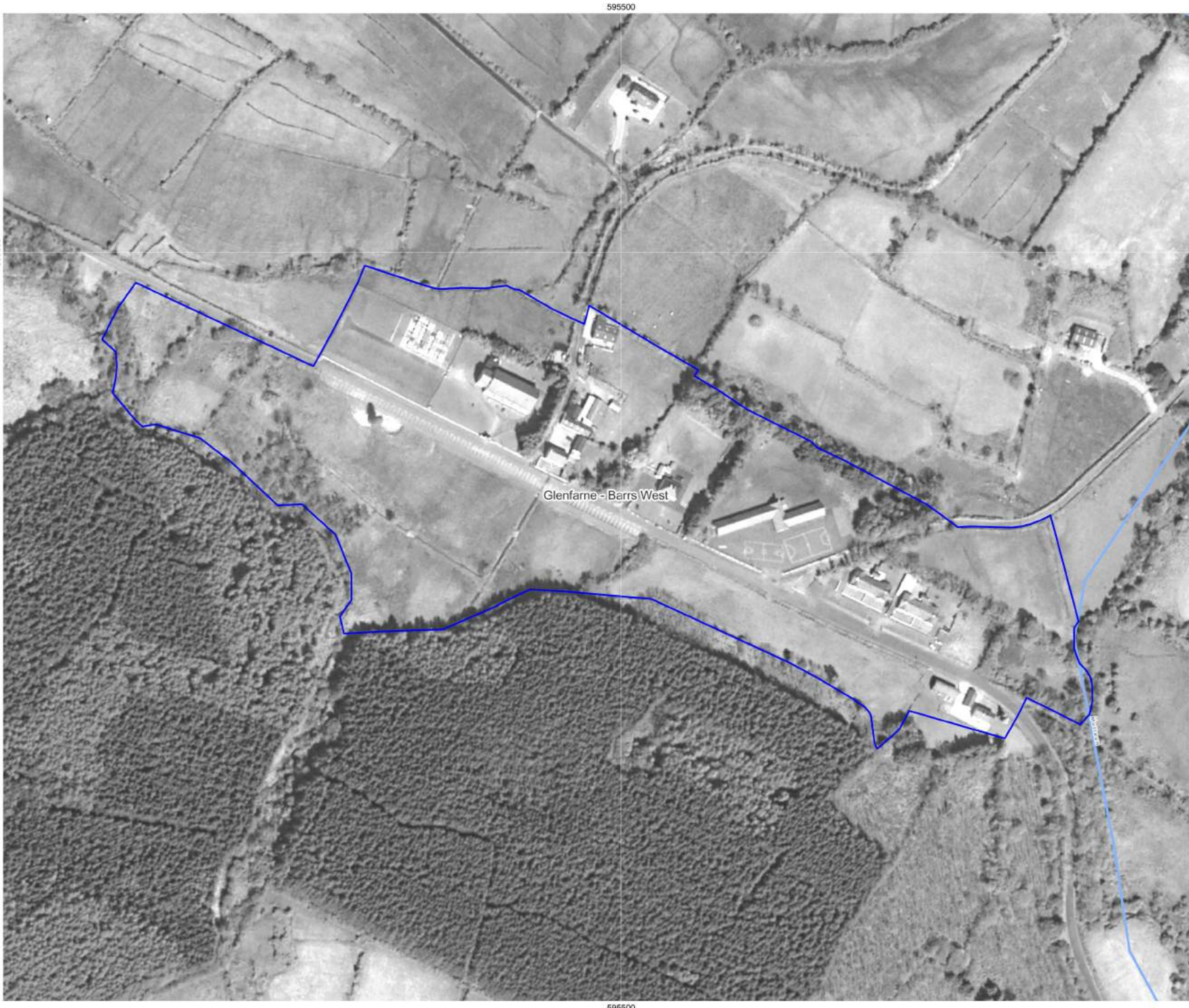
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- Fluvial Mid-Range Future Scenario 0.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP
- Coastal Present Day Scenario 0.1% AEP
- Coastal Mid-Range Future Scenario 0.1% AEP
- Coastal High-End Future Scenario 0.1% AEP

NIFM All Scenarios

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



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County Leitrim Development Plan 2022-2028

Glenfarne - Barrs West GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

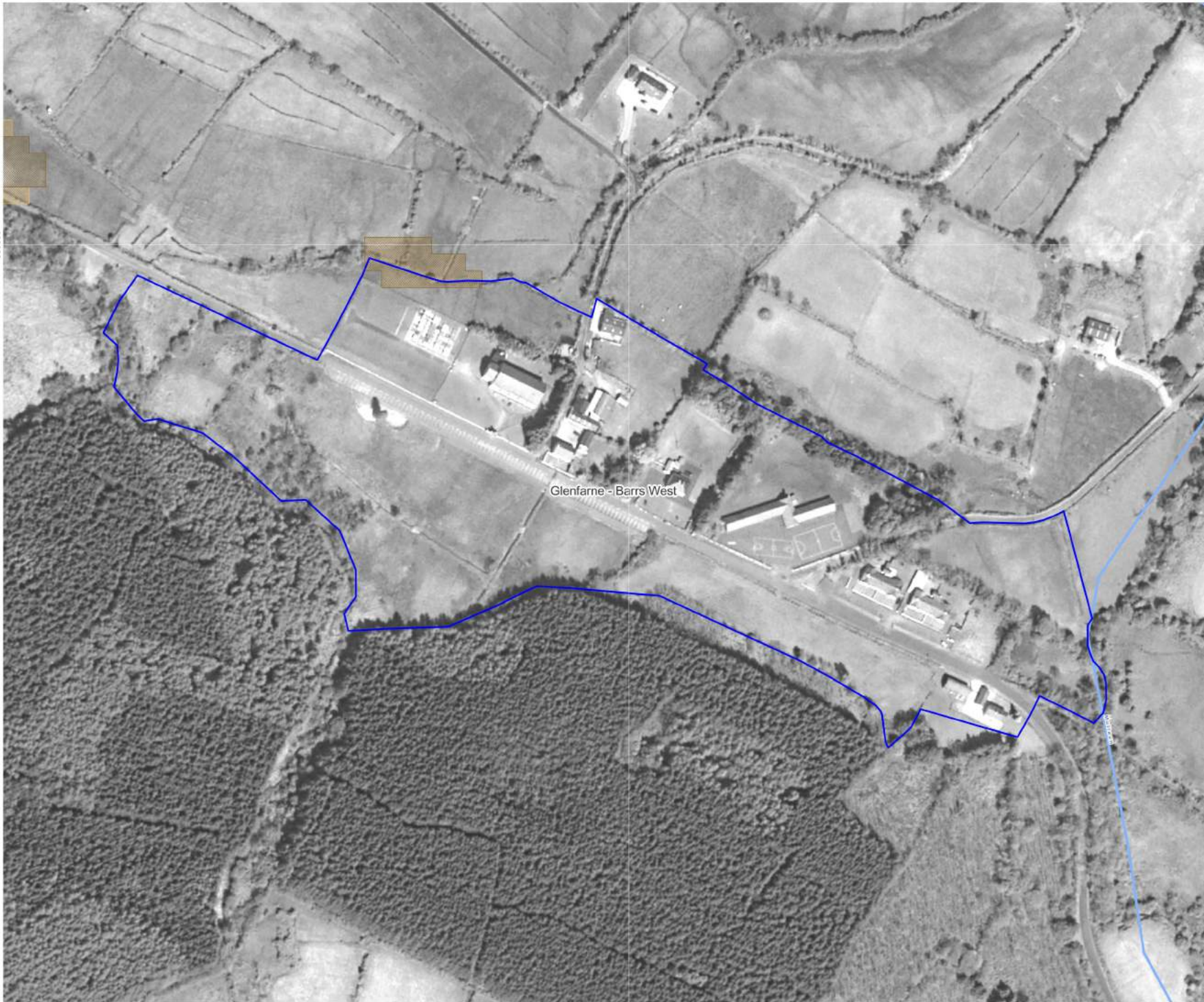
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability

- 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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County Leitrim Development Plan 2022-2028

Glenfarnie - Barrs West Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

Indicative Flood Zones

- Flood Zone A
- Flood Zone B

PFRA

- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low Probability



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County Leitrim SFRA

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County Leitrim Development Plan 2022-2028

Glenfarne - Stranagress OPW Historical Flood Data

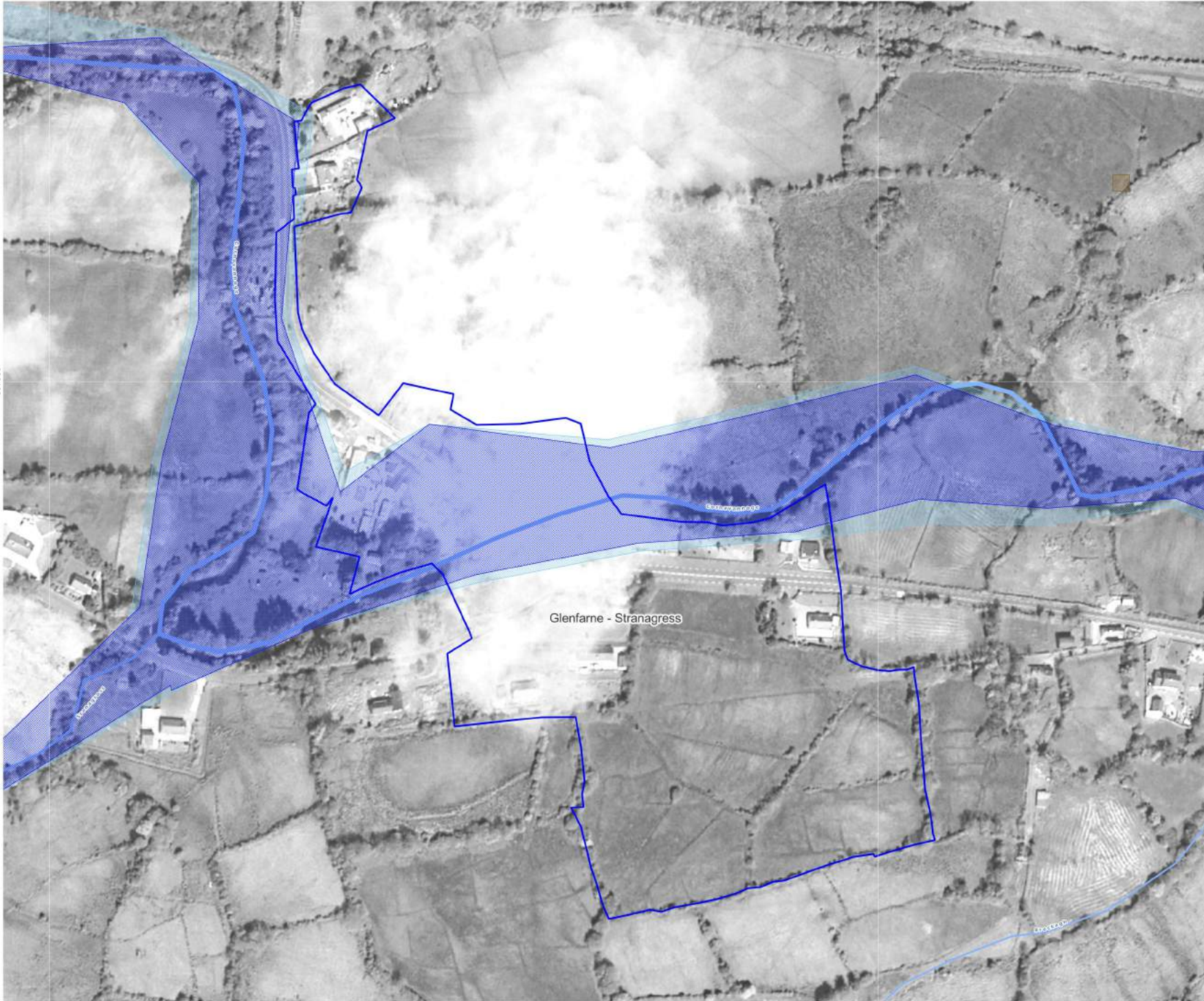
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- OPW Past Flood Events**
 - Single Flood Event
 - Recurring Flood Event
 - Past Flood Extent
- Land Commission**
 - Benefited Lands
- Drainage District**
 - Channel
 - Embankment
 - Benefited Lands
- Arterial Drainage Scheme**
 - Channel
 - Embankment
 - Benefited Lands



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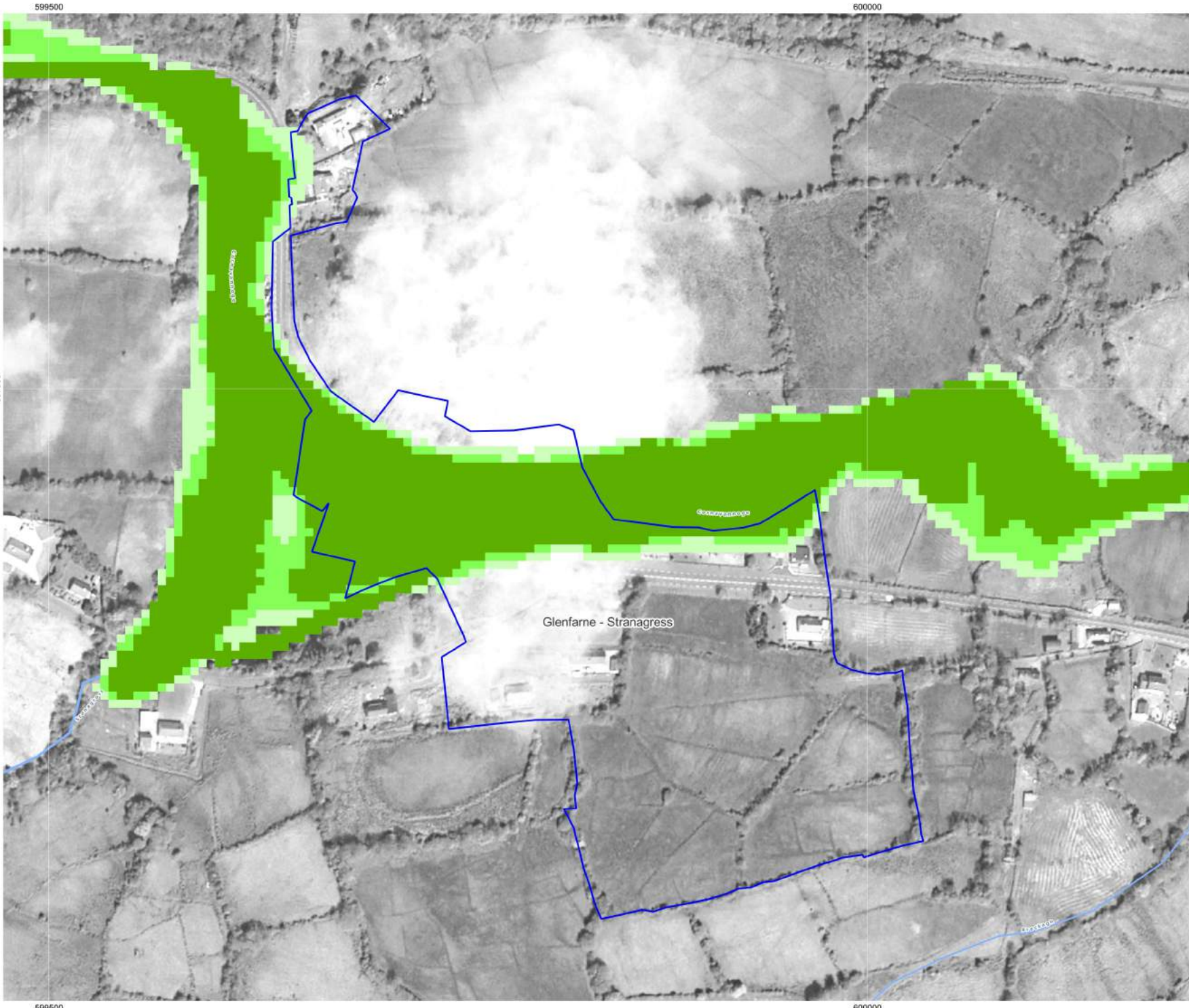
County Leitrim Development Plan 2022-2028

Glenfarne - Stranagress
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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County Leitrim Development Plan 2022-2028

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

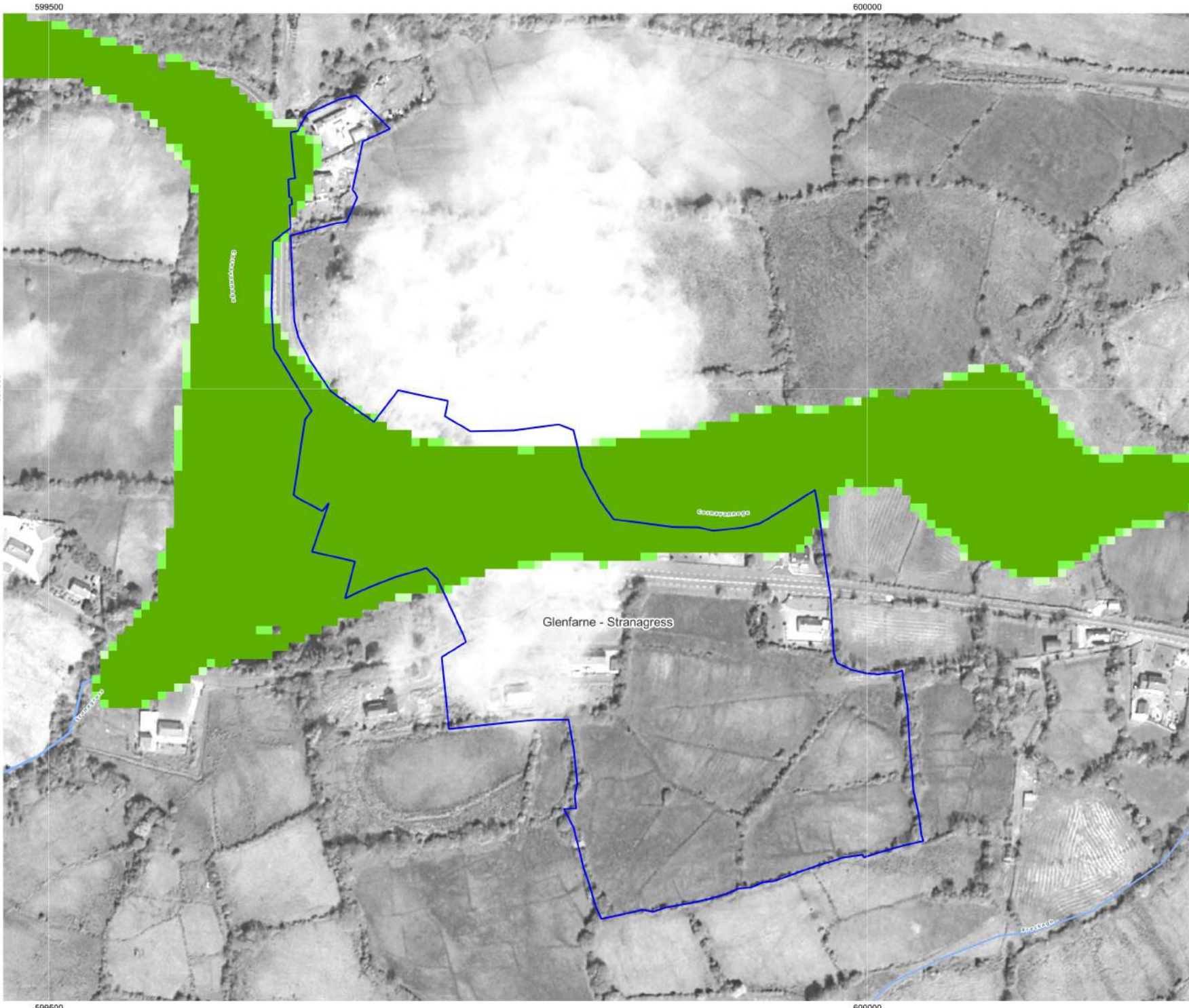
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM Present Day**
- Fluvial 10% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Coastal 10% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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

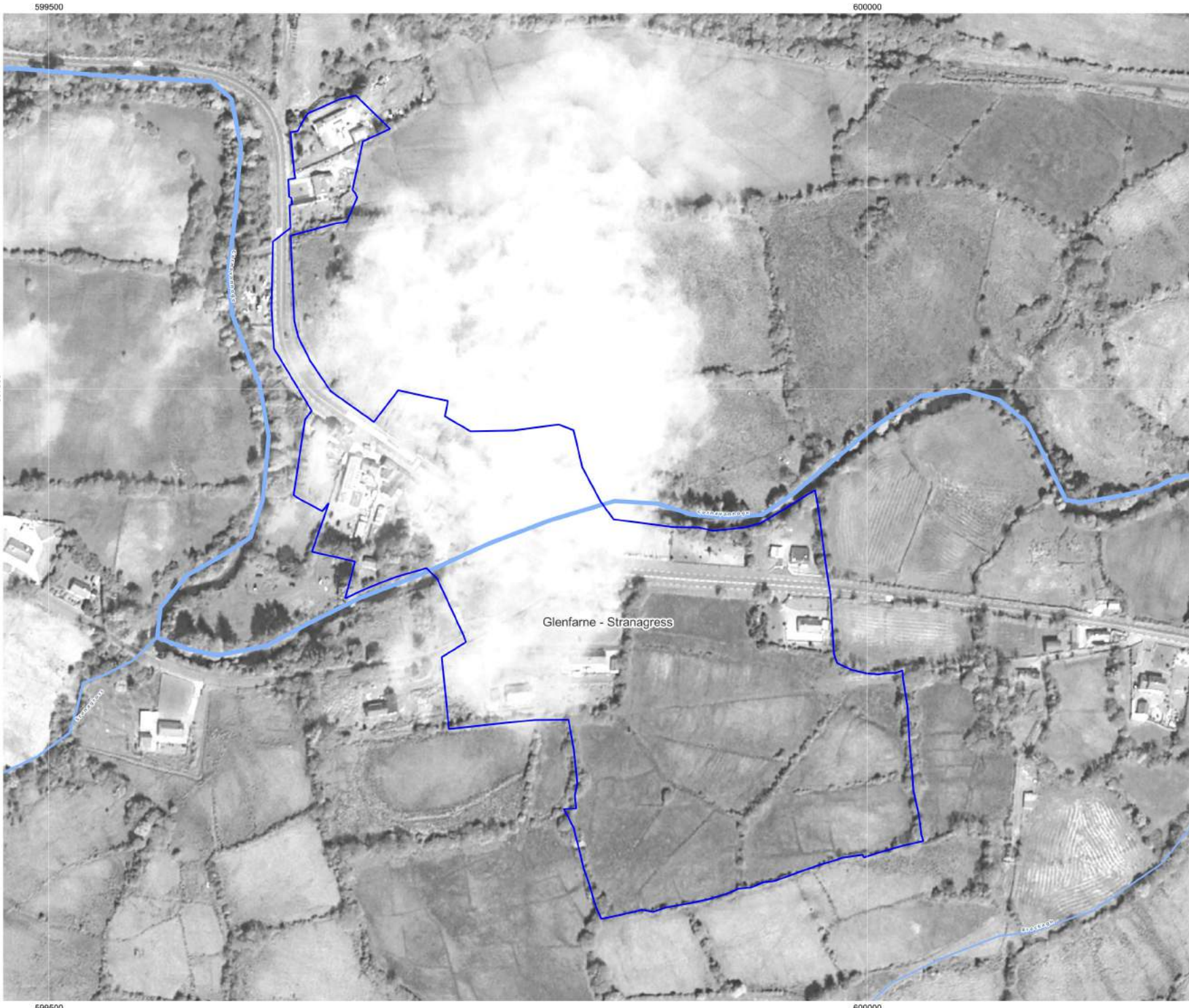
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- WFD River Sub-Basins
- Water
- River or Stream

- 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Glenfarne - Stranagress GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Glenfarne - Stranagress Indicative Flood Zones

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- Indicative Flood Zones**
- Flood Zone A
 - Flood Zone B
- PFRA**
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability

Glenfarne - Stranagress



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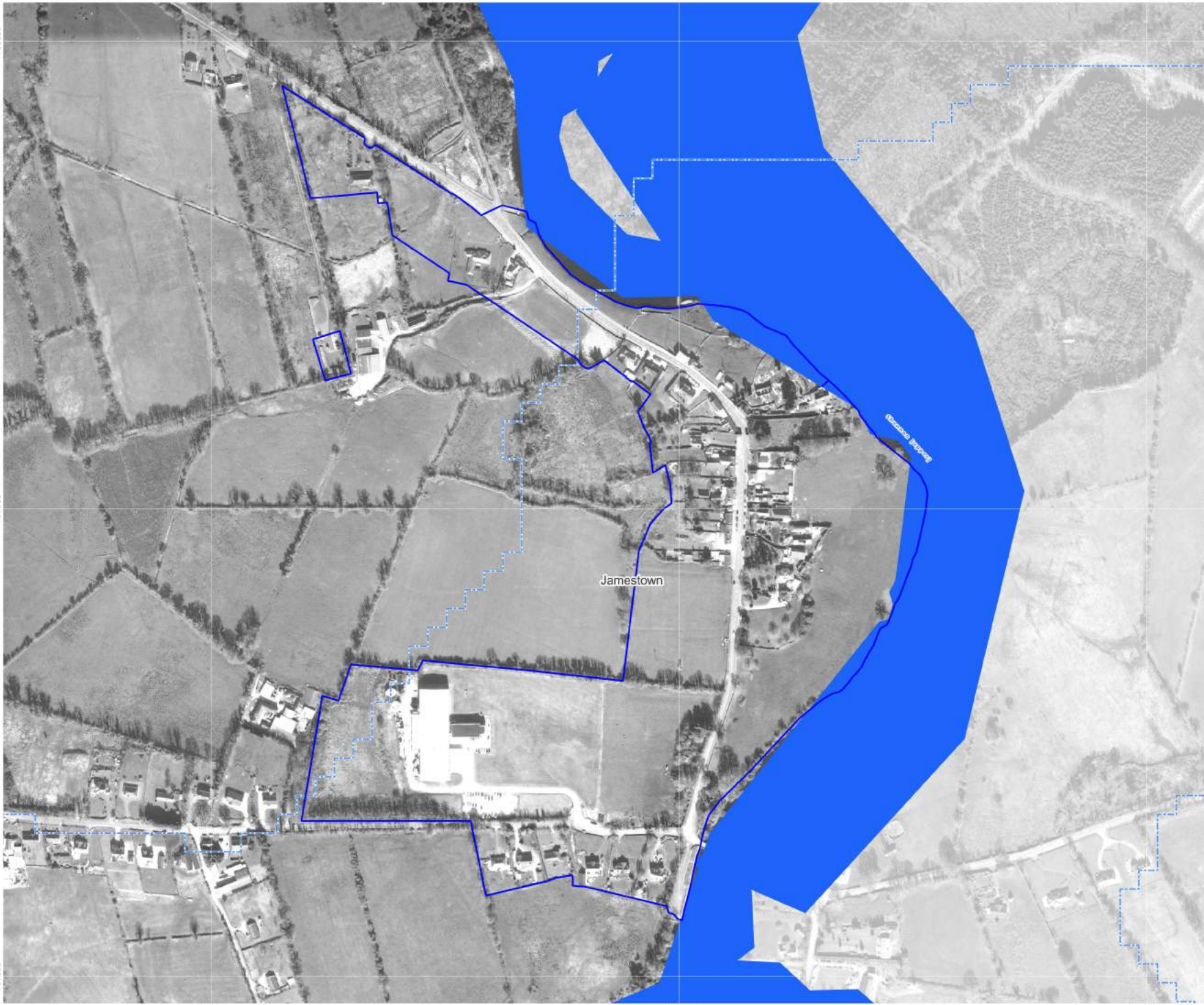
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County Leitrim Development Plan 2022-2028

Jamestown 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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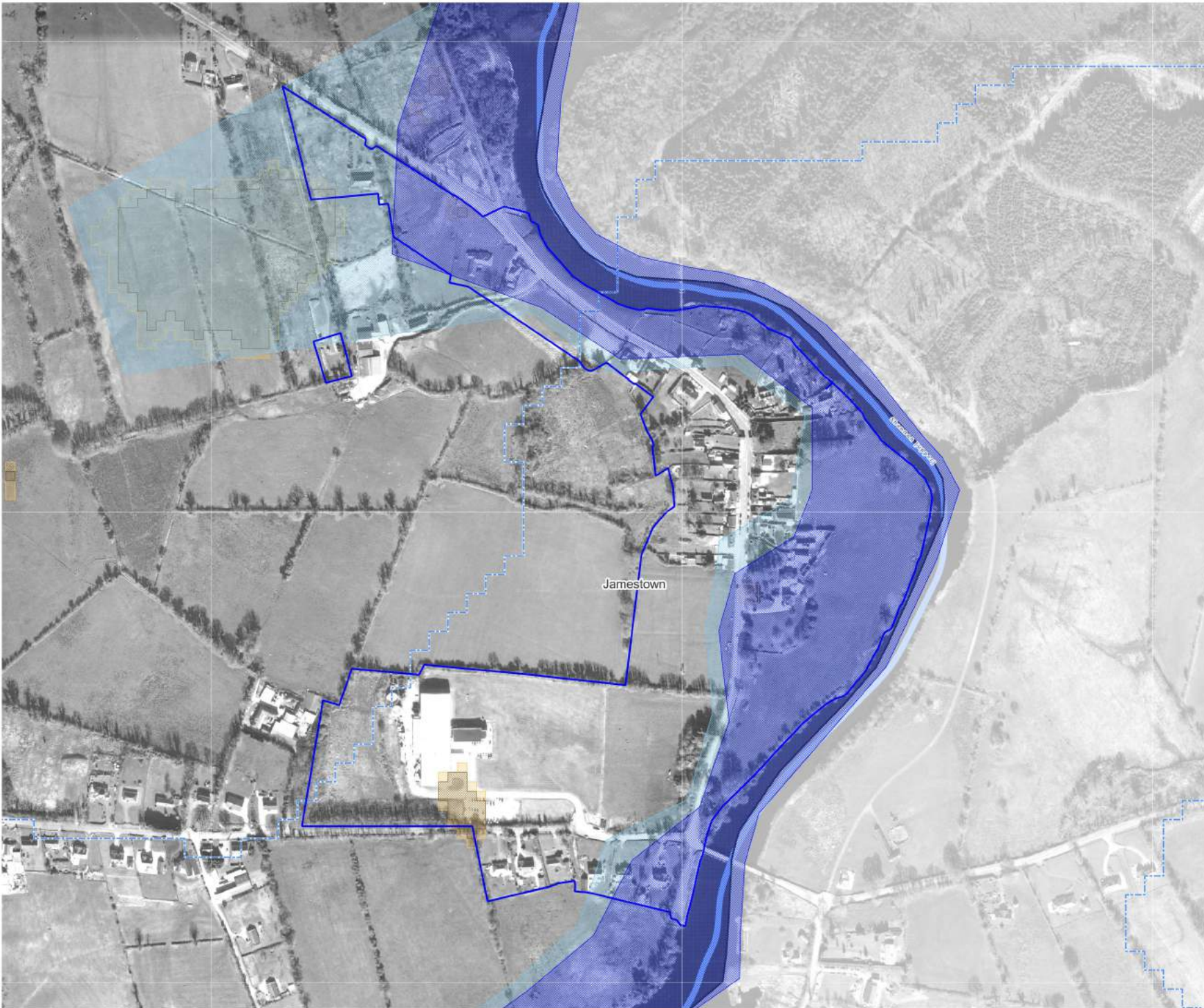
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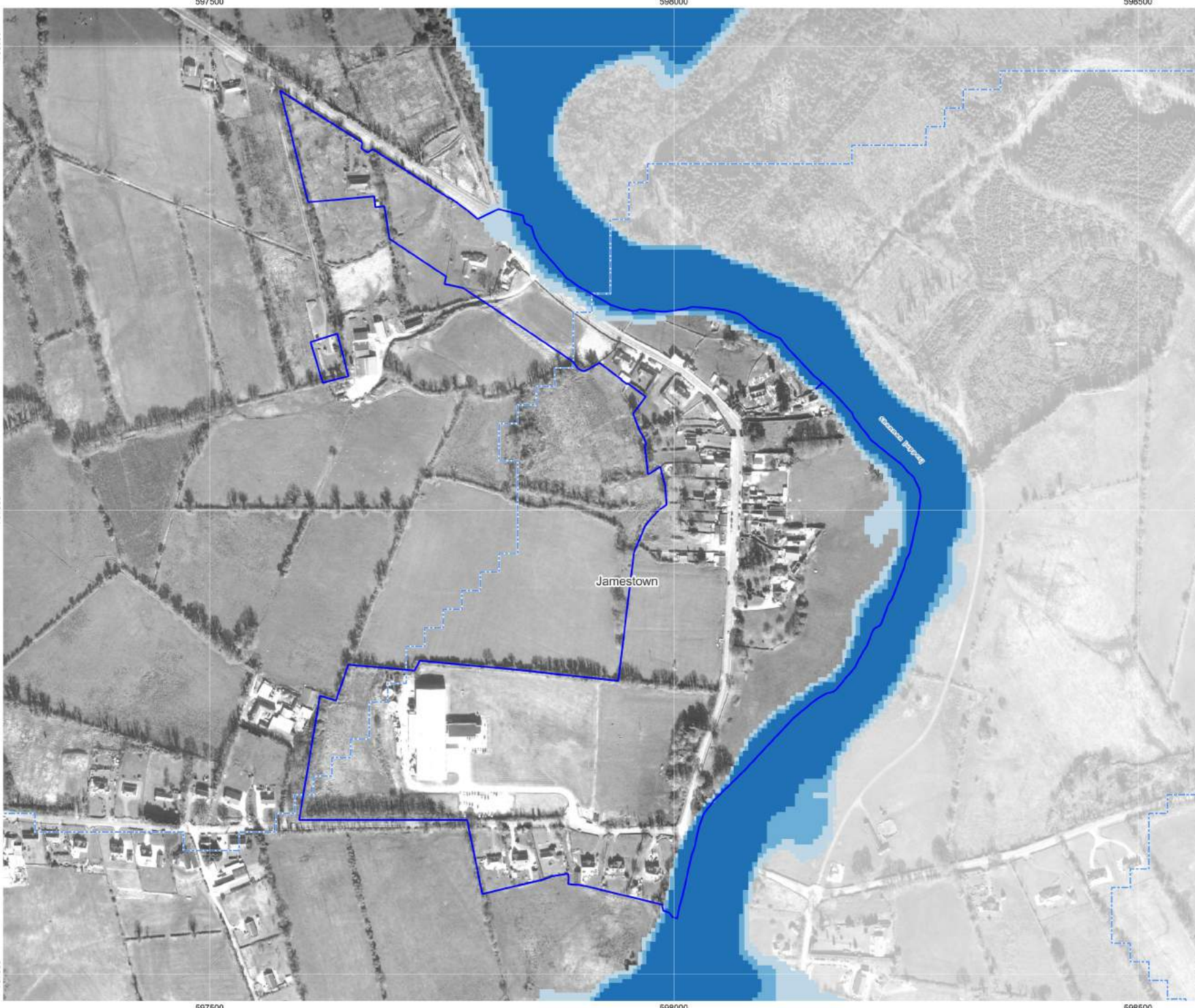
County Leitrim Development Plan 2022-2028

Jamestown
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 0.5% AEP
 -  Coastal 0.1% AEP
 -  Groundwater



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County Leitrim Development Plan 2022-2028

Jamestown
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 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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County Leitrim Development Plan 2022-2028

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

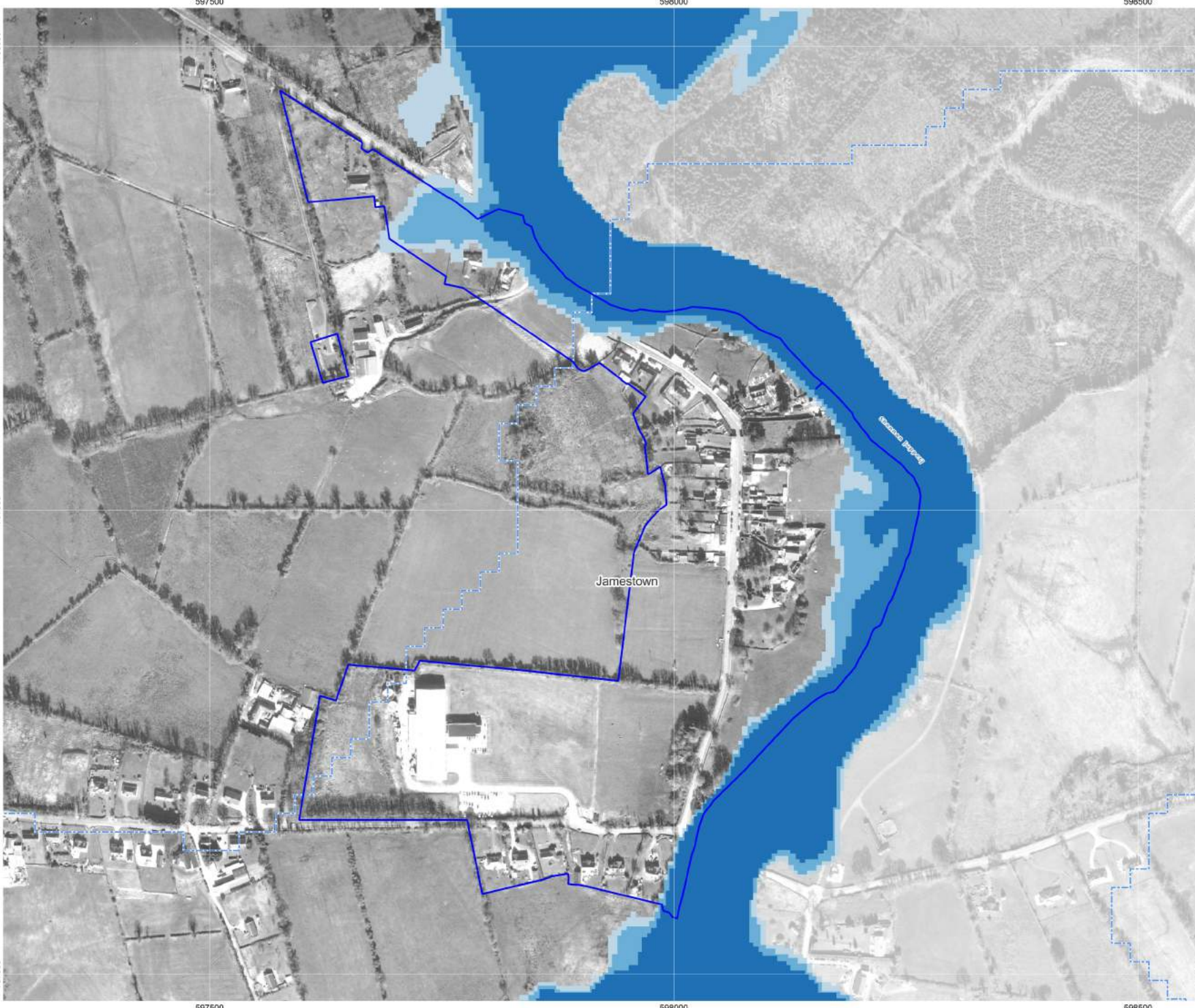
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-  Fluvial Mid-Range Future Scenario 0.1% AEP
-  Fluvial High-End Future Scenario 0.1% AEP
-  Coastal Present Day Scenario 0.1% AEP
-  Coastal Mid-Range Future Scenario 0.1% AEP
-  Coastal High-End Future Scenario 0.1% AEP

NIFM All Scenarios

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



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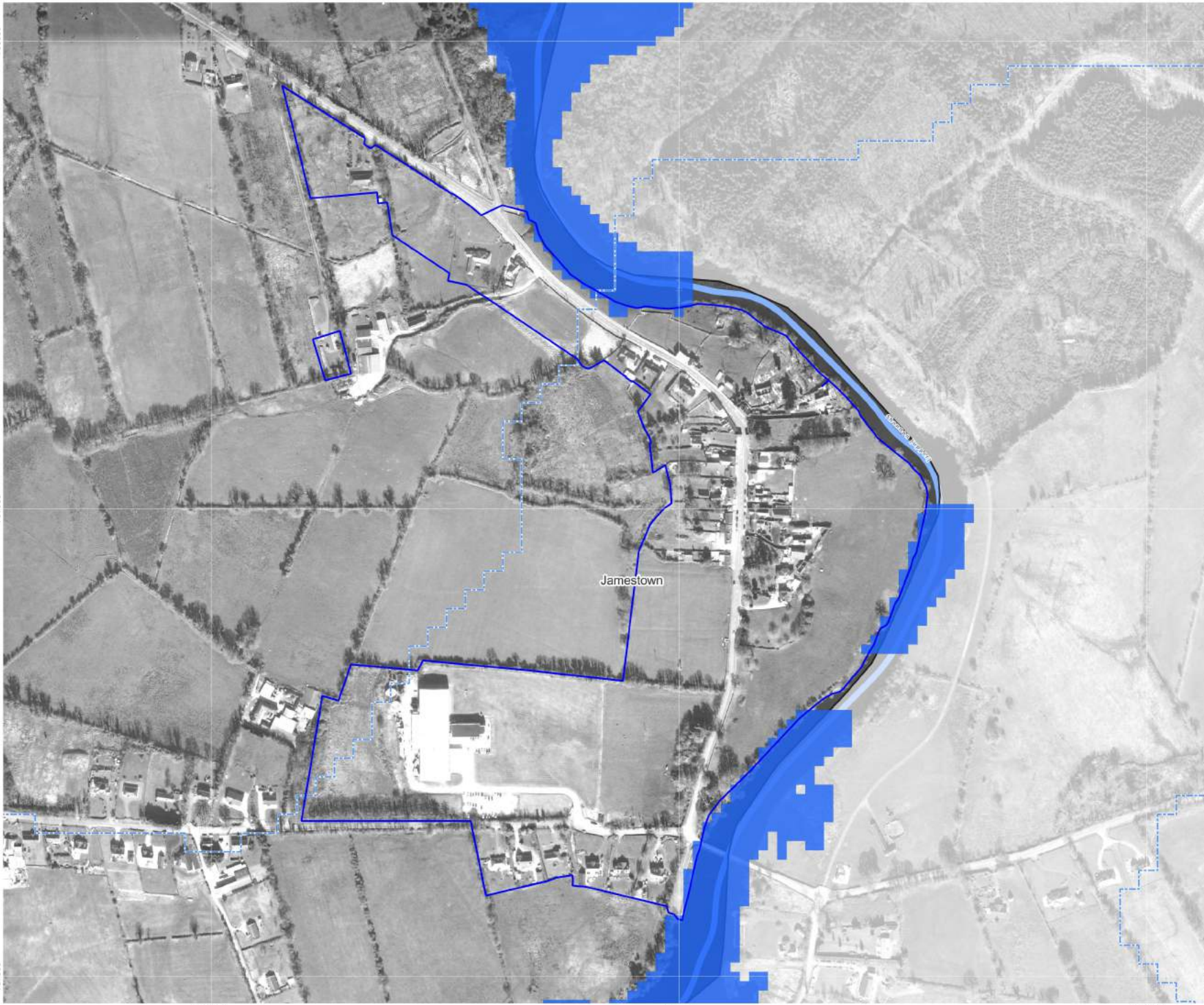
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County Leitrim Development Plan 2022-2028

Jamestown
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low 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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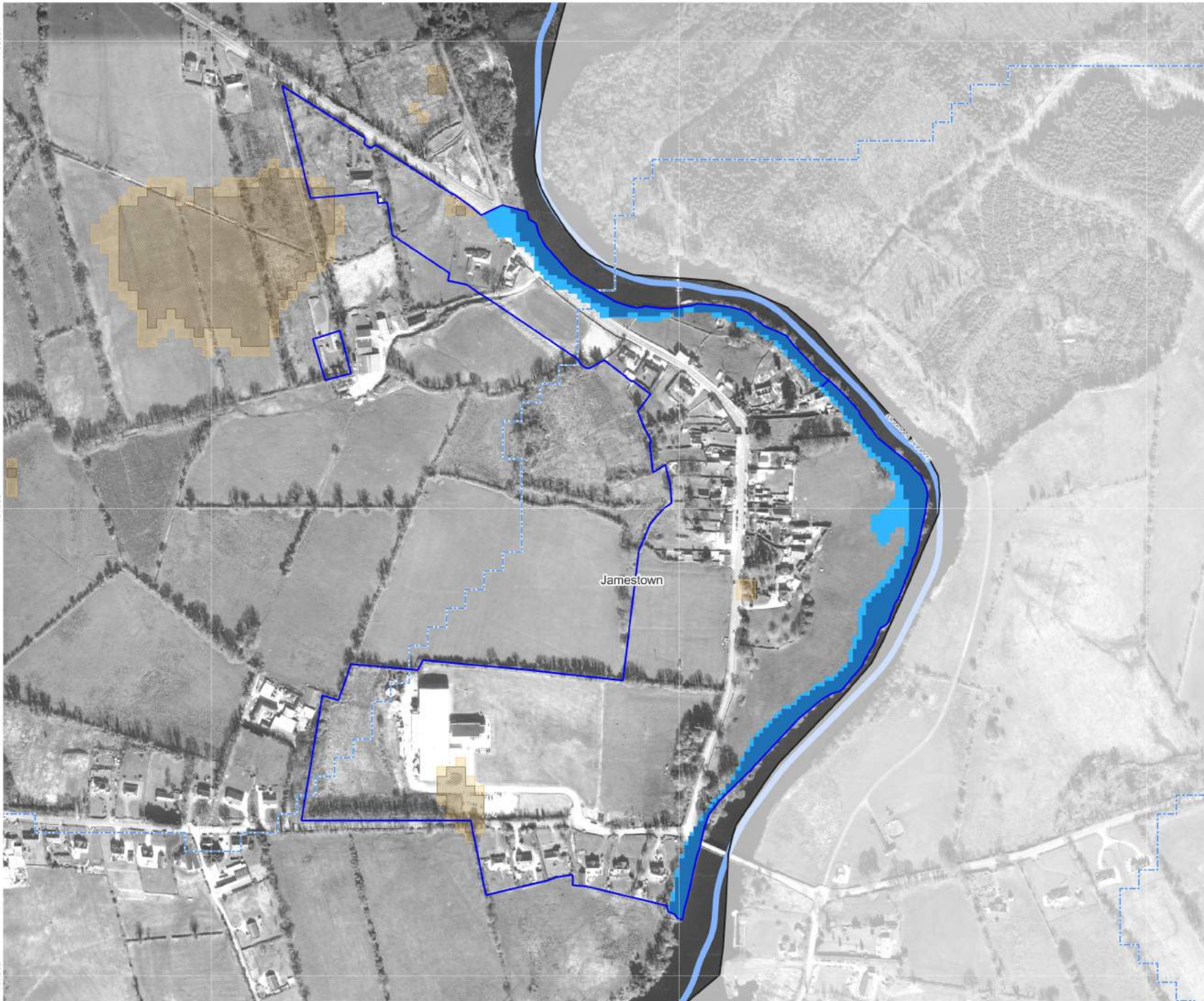
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County Leitrim Development Plan 2022-2028

Jamestown Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

Indicative Flood Zones

- Flood Zone A
- Flood Zone B

PFRA

- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low Probability



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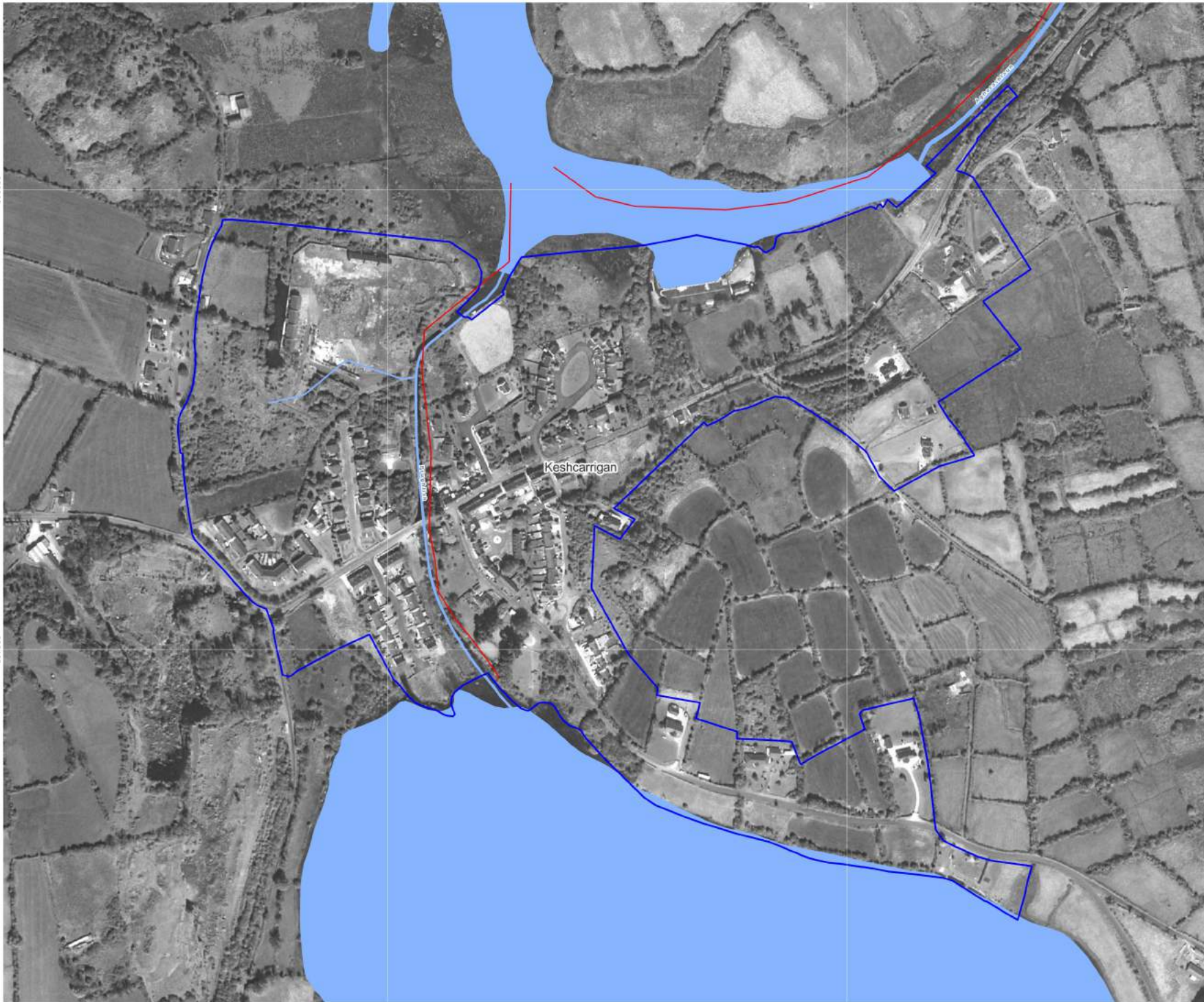
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County Leitrim Development Plan 2022-2028

Keshcarrigan 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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County Leitrim Development Plan 2022-2028

Keshcarrigan
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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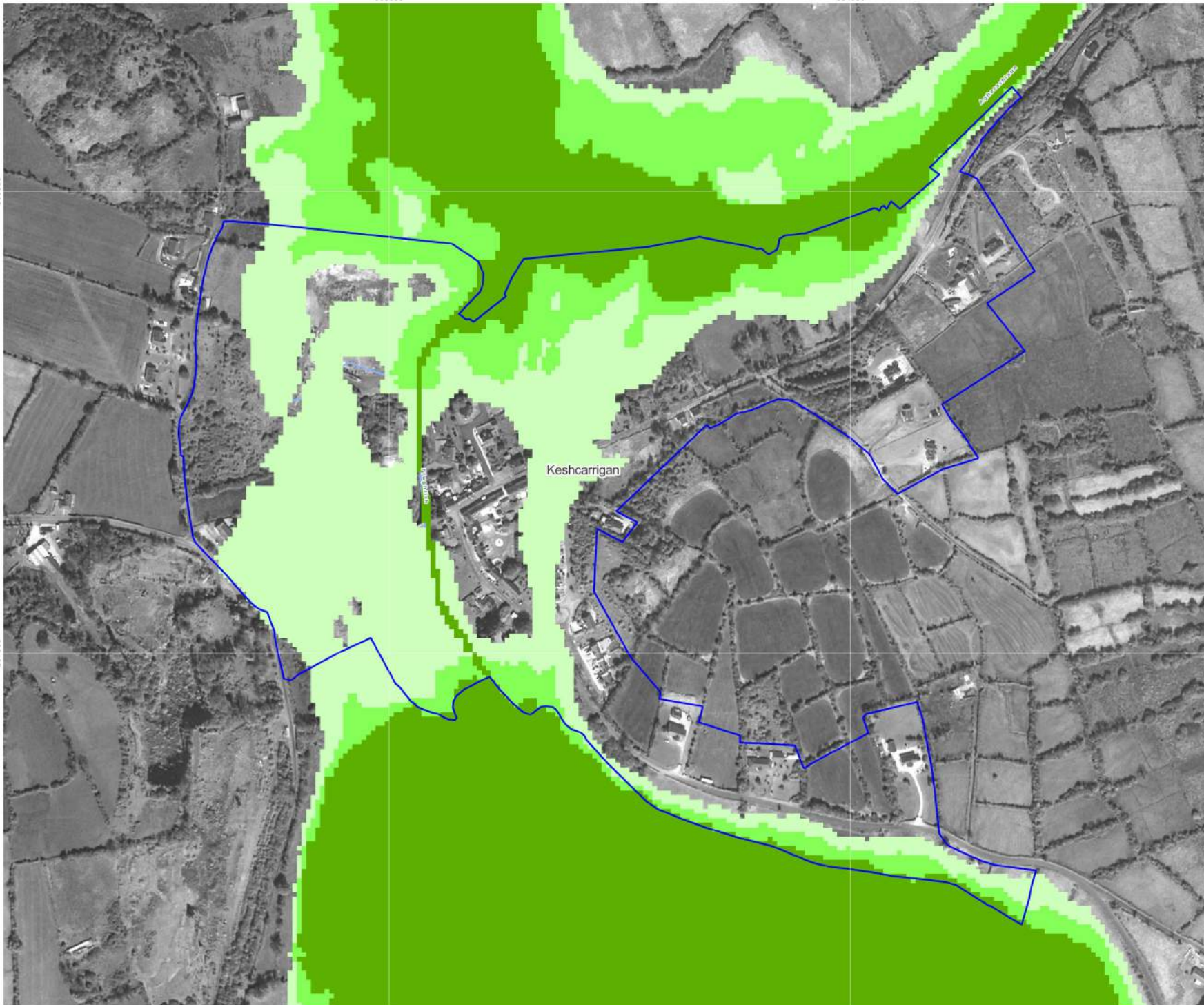
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County Leitrim Development Plan 2022-2028

Keshcarrigan
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 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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County Leitrim Development Plan 2022-2028

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 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 0.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Keshcarrigan
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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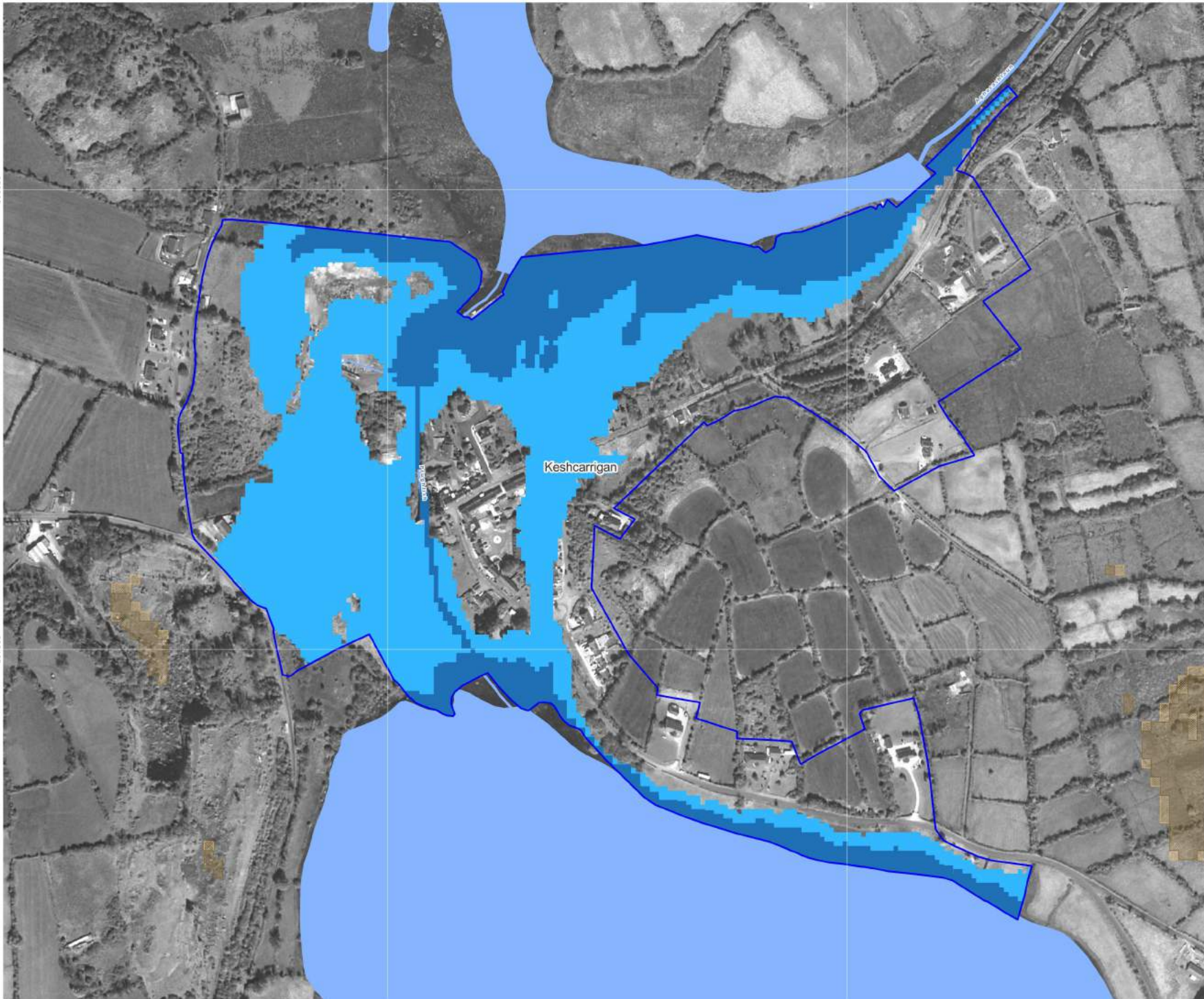
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County Leitrim Development Plan 2022-2028

Keshcarrigan Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

Indicative Flood Zones

- Flood Zone A
- Flood Zone B

PFRA

- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low Probability



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County Leitrim Development Plan 2022-2028

Kilclare OPW Historical Flood Data

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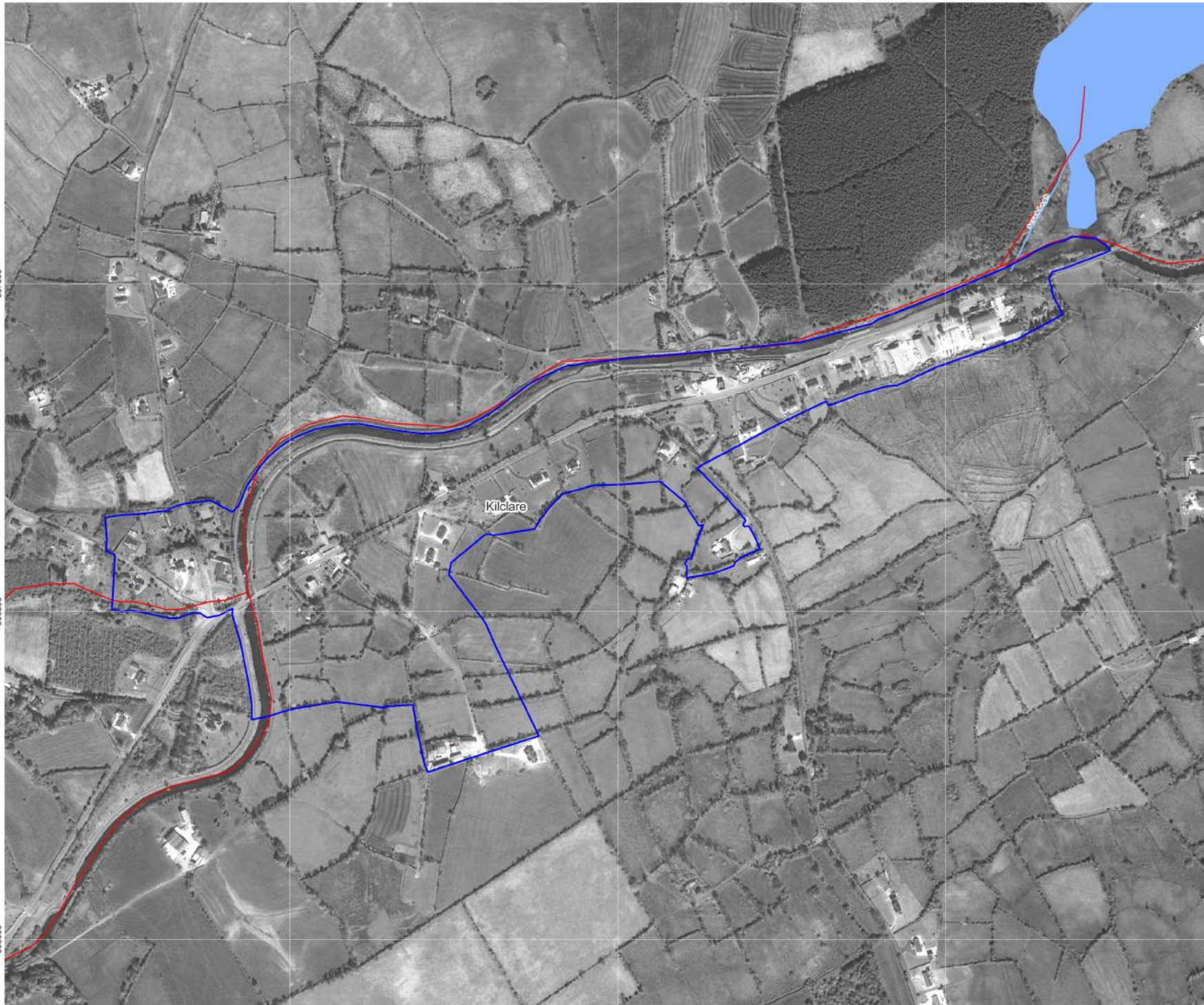
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- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

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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County Leitrim Development Plan 2022-2028

Kilclare
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 0.5% AEP
 -  Coastal 0.1% AEP
 -  Groundwater

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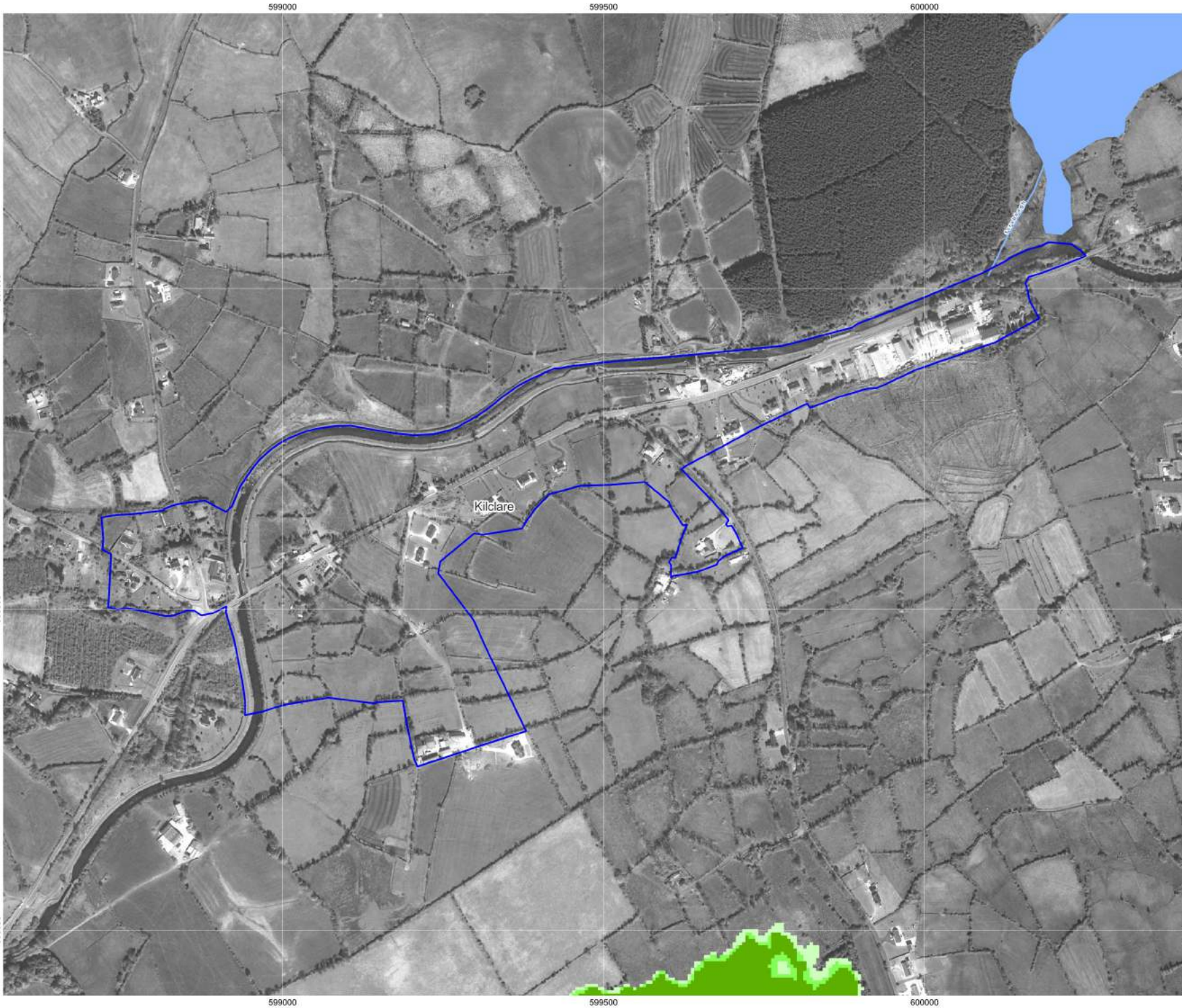
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County Leitrim Development Plan 2022-2028

Kilclare
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 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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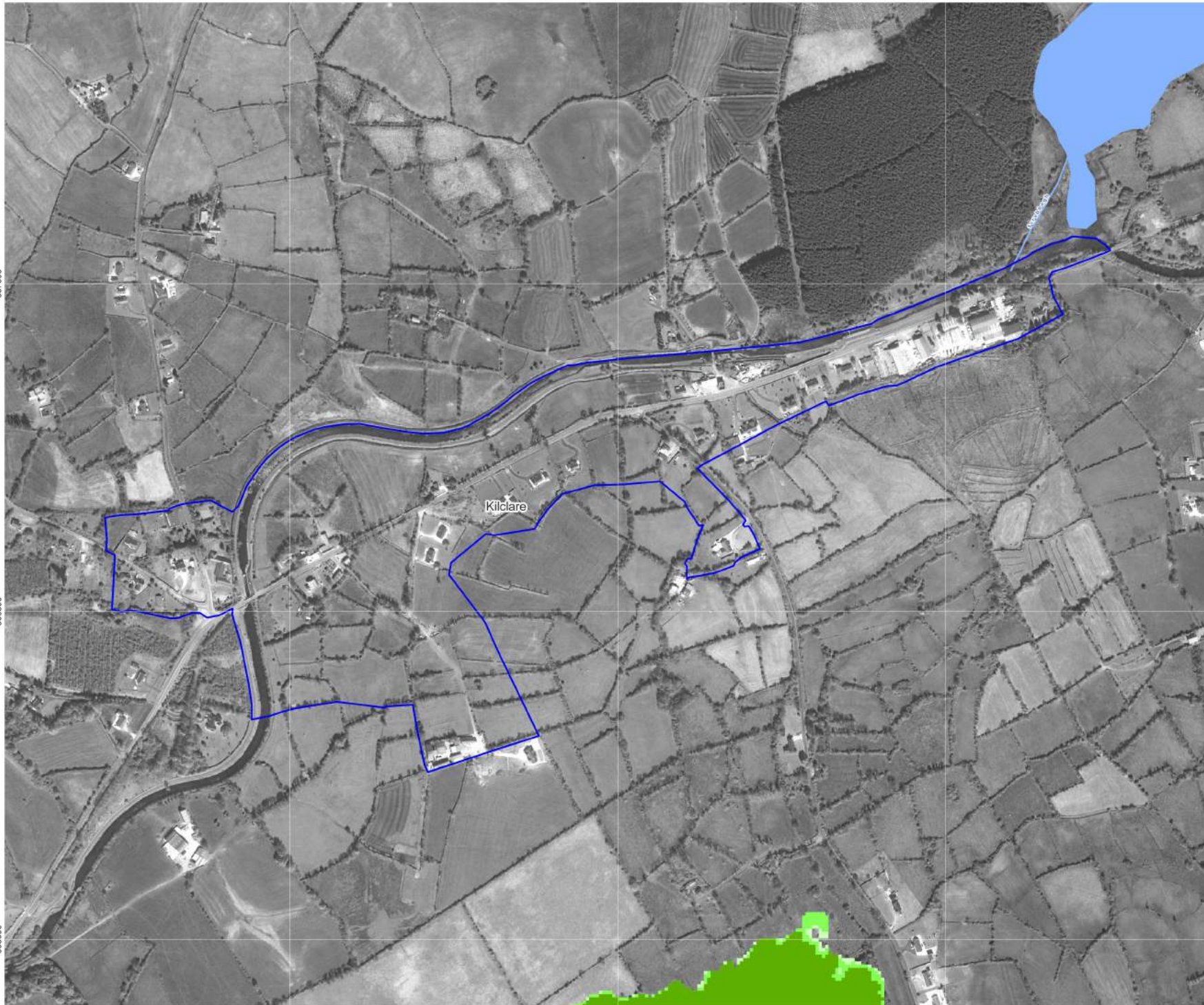
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County Leitrim Development Plan 2022-2028

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

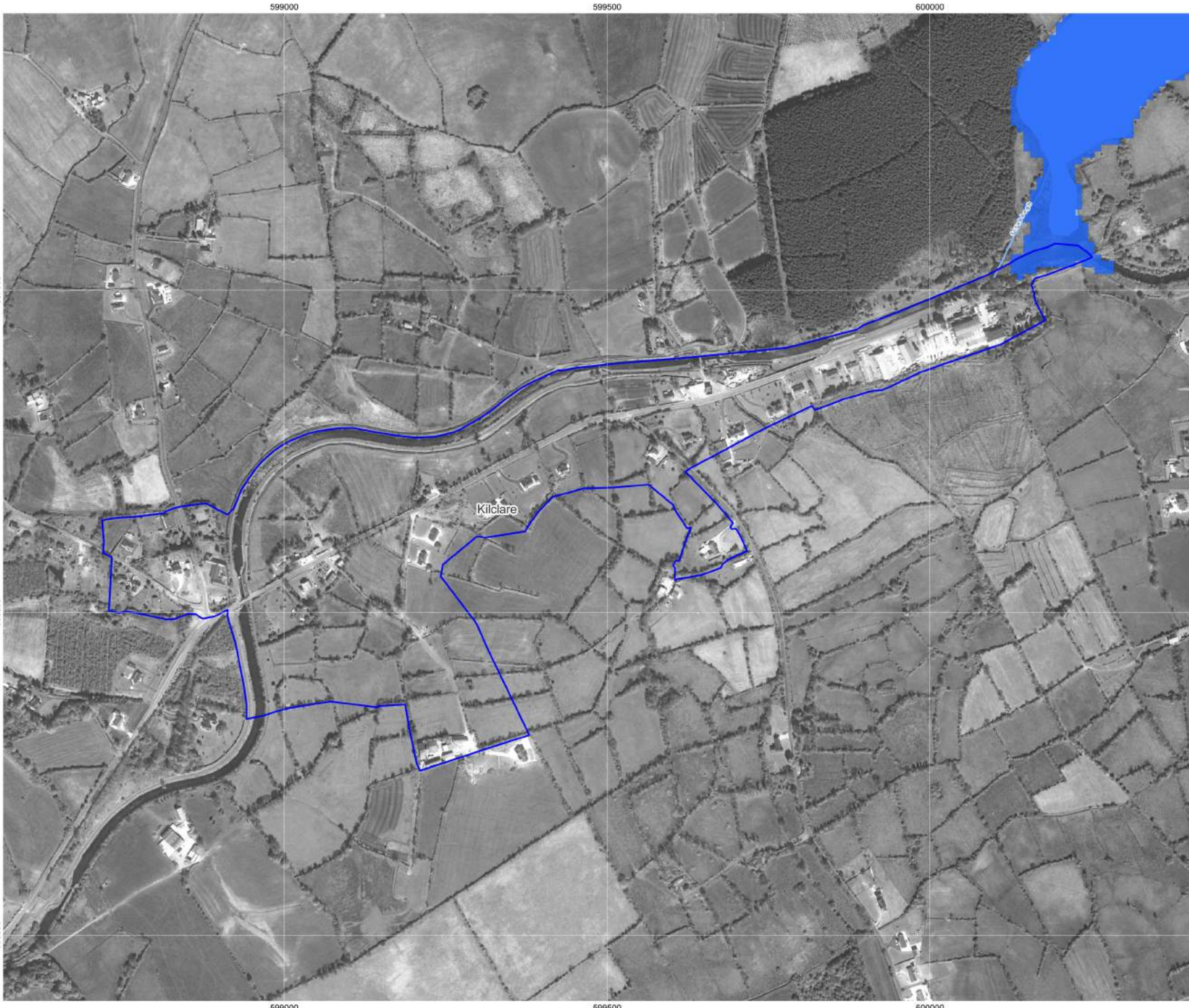
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- Fluvial Mid-Range Future Scenario 0.1% AEP
- Fluvial High-End Future Scenario 0.1% AEP
- Coastal Present Day Scenario 0.1% AEP
- Coastal Mid-Range Future Scenario 0.1% AEP
- Coastal High-End Future Scenario 0.1% AEP

NIFM All Scenarios

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



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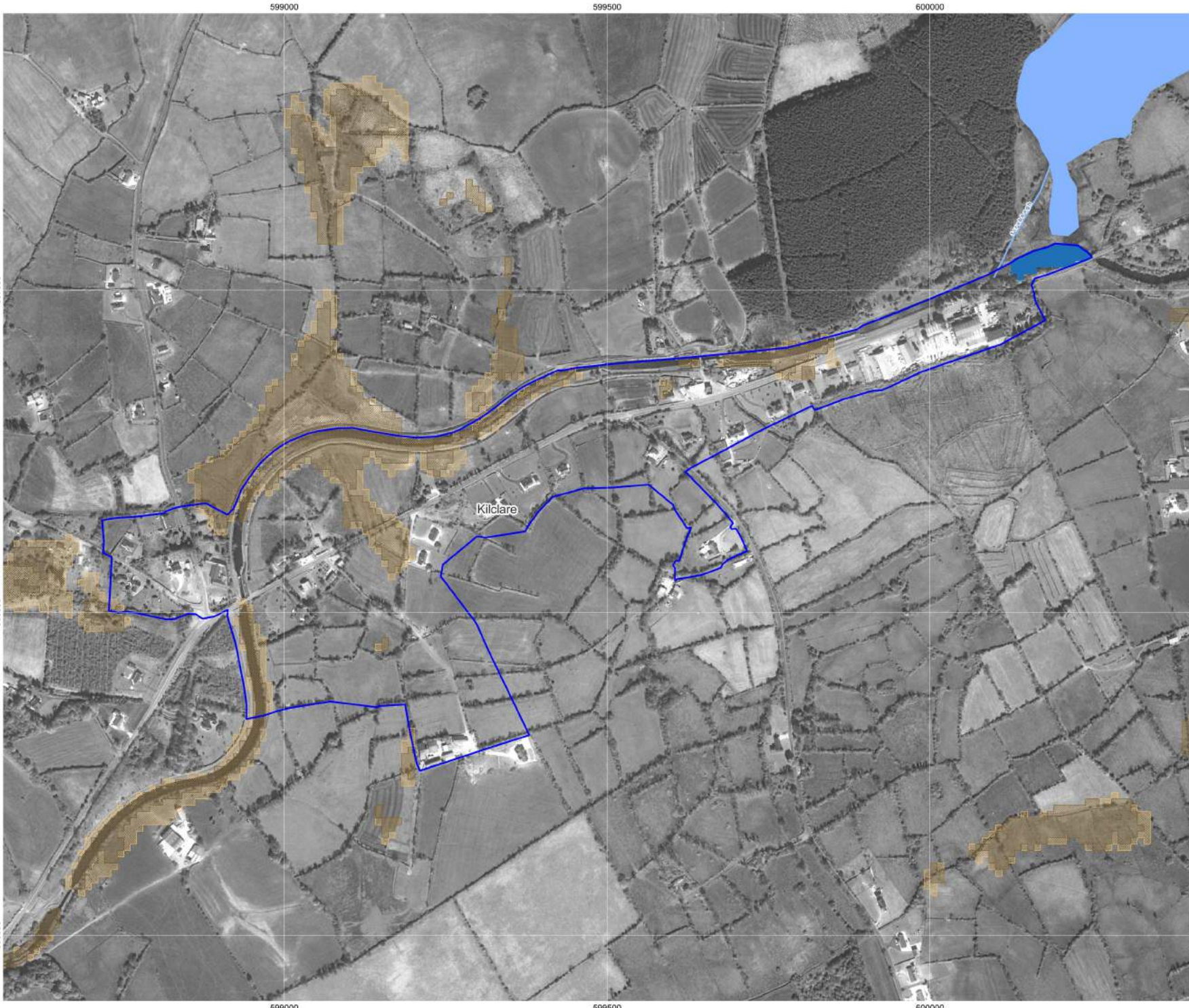
County Leitrim Development Plan 2022-2028

Kilclare
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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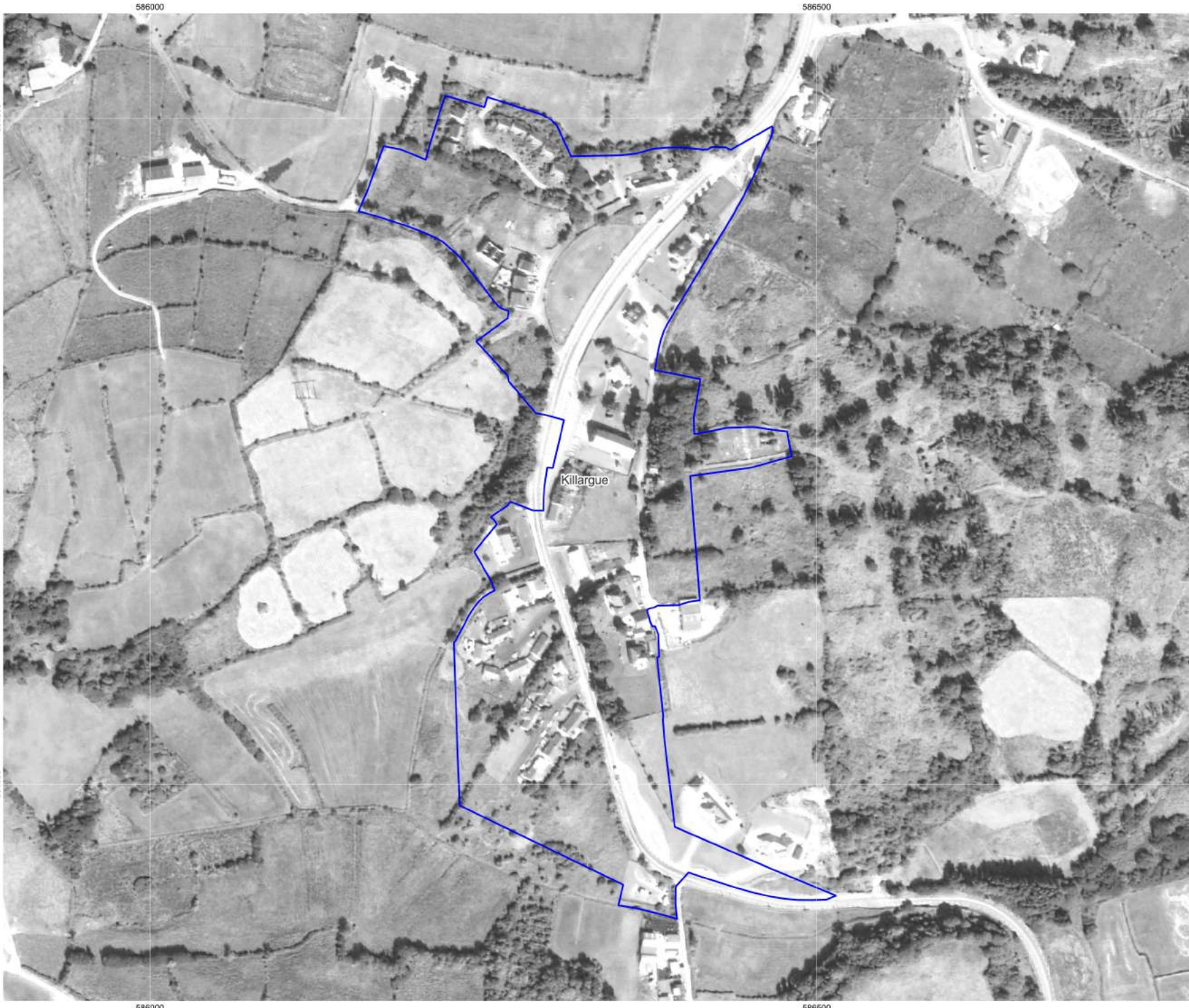
County Leitrim Development Plan 2022-2028

Kilclare Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
 - Flood Zone A
 - Flood Zone B
- PFRA**
 - Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater
- GSI Groundwater Flooding Predictive Model**
 - High Probability
 - Medium Probability
 - Low Probability



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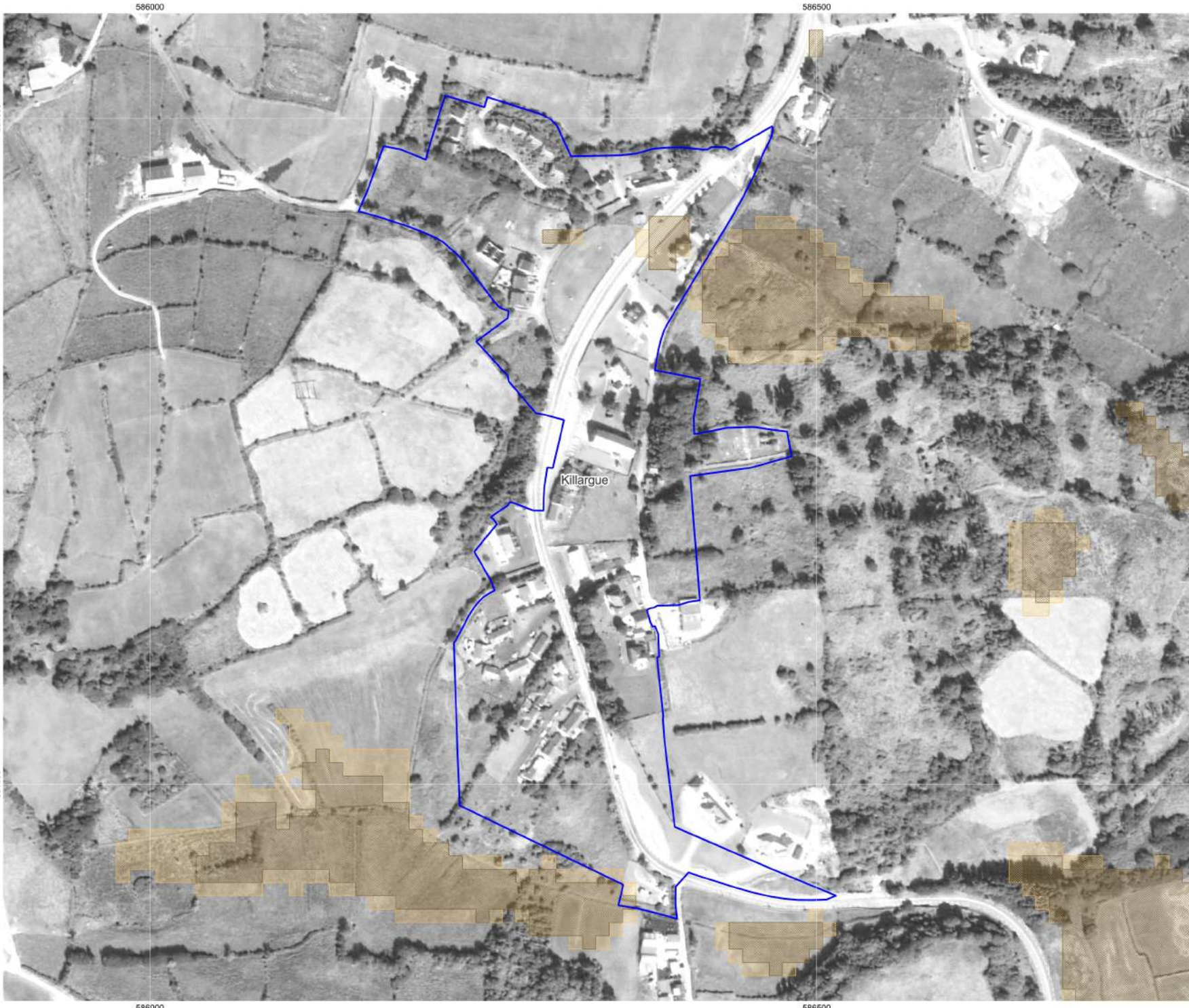
County Leitrim Development Plan 2022-2028

Killargue 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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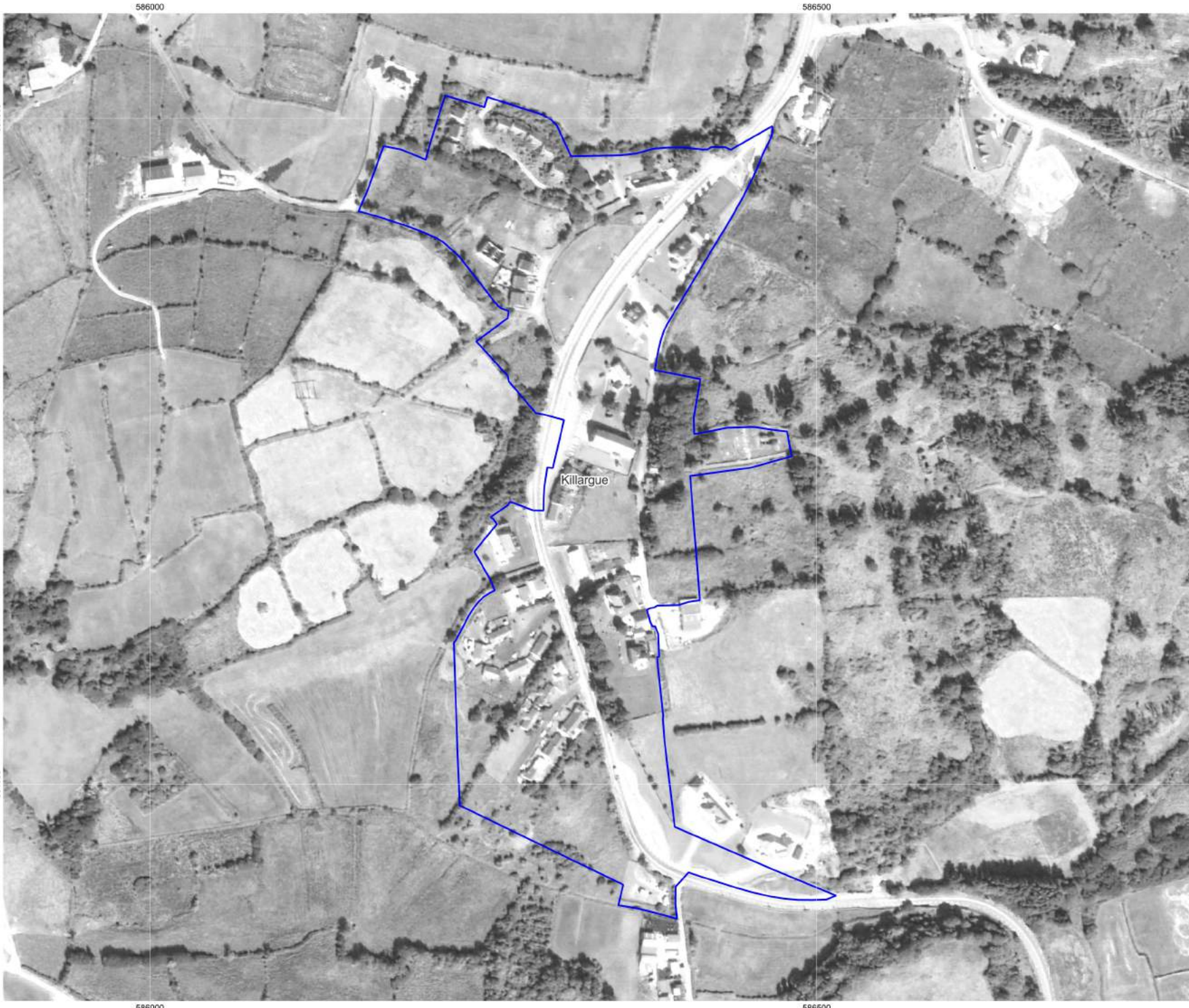
Killargue
OPW Preliminary Flood
Risk Assessment (PFRA)

- 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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Killargue
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

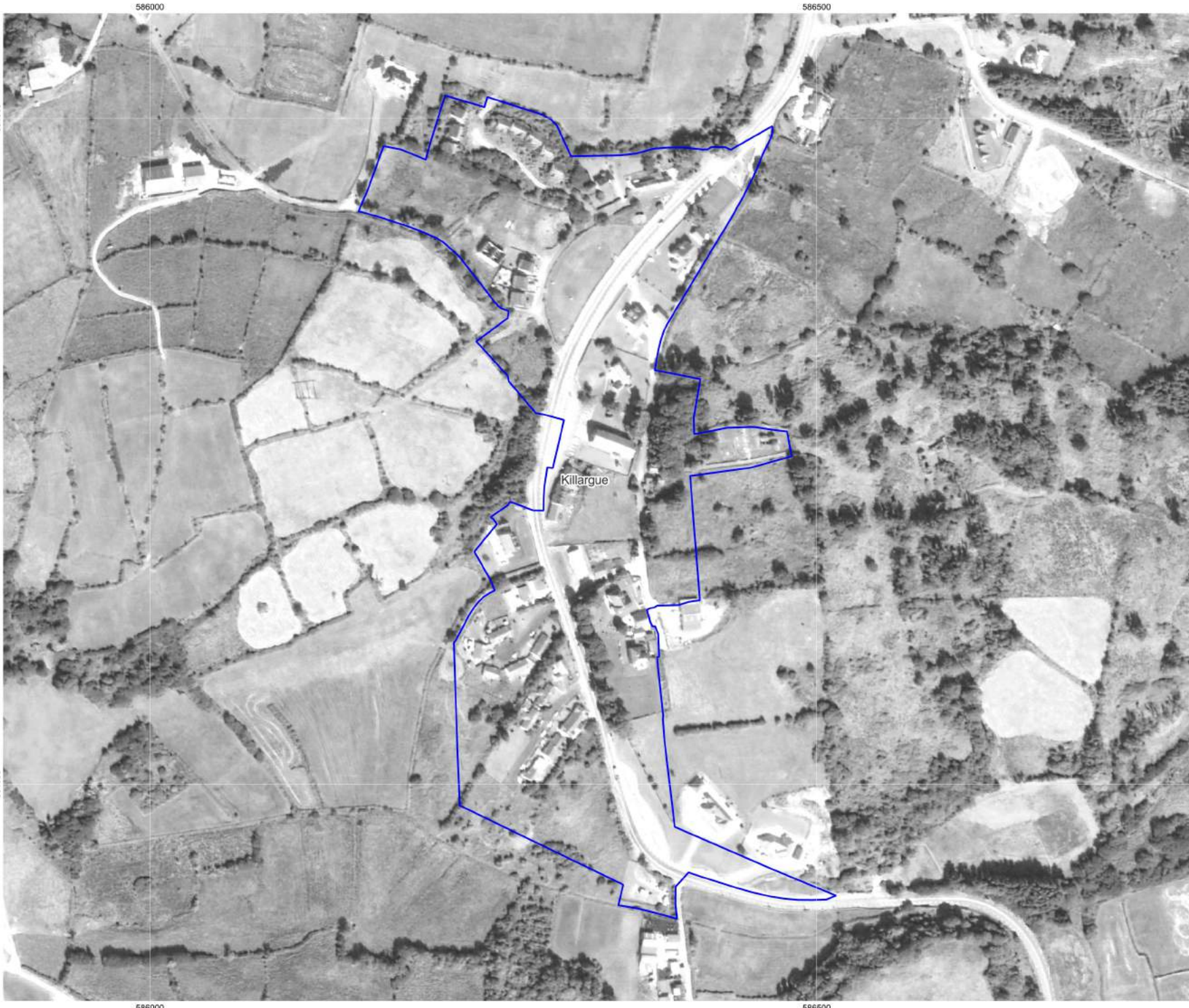
- Fluvial 10% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP
- Coastal 10% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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

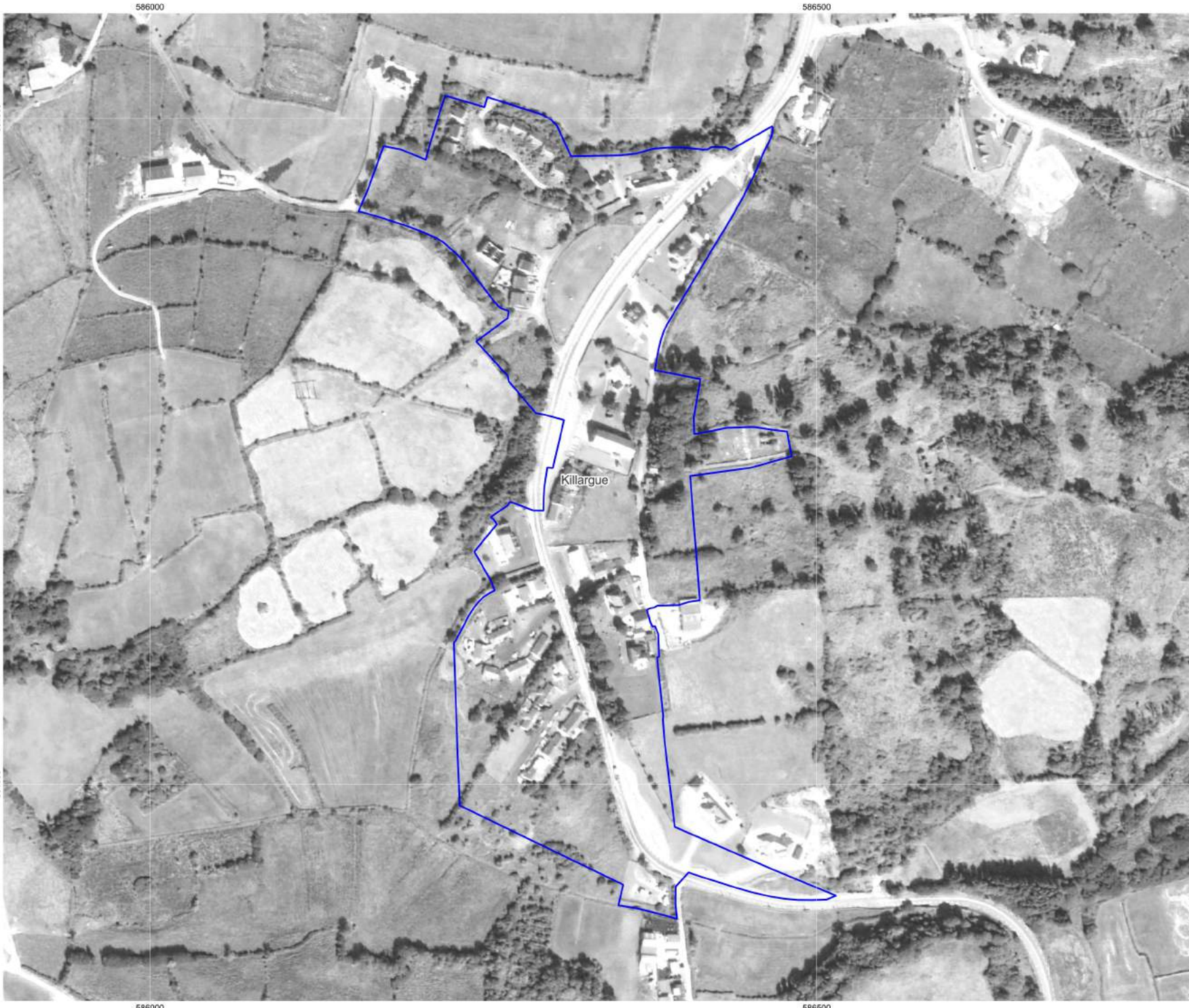
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM All Scenarios**
- Fluvial Present Day Scenario 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 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Killargue
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

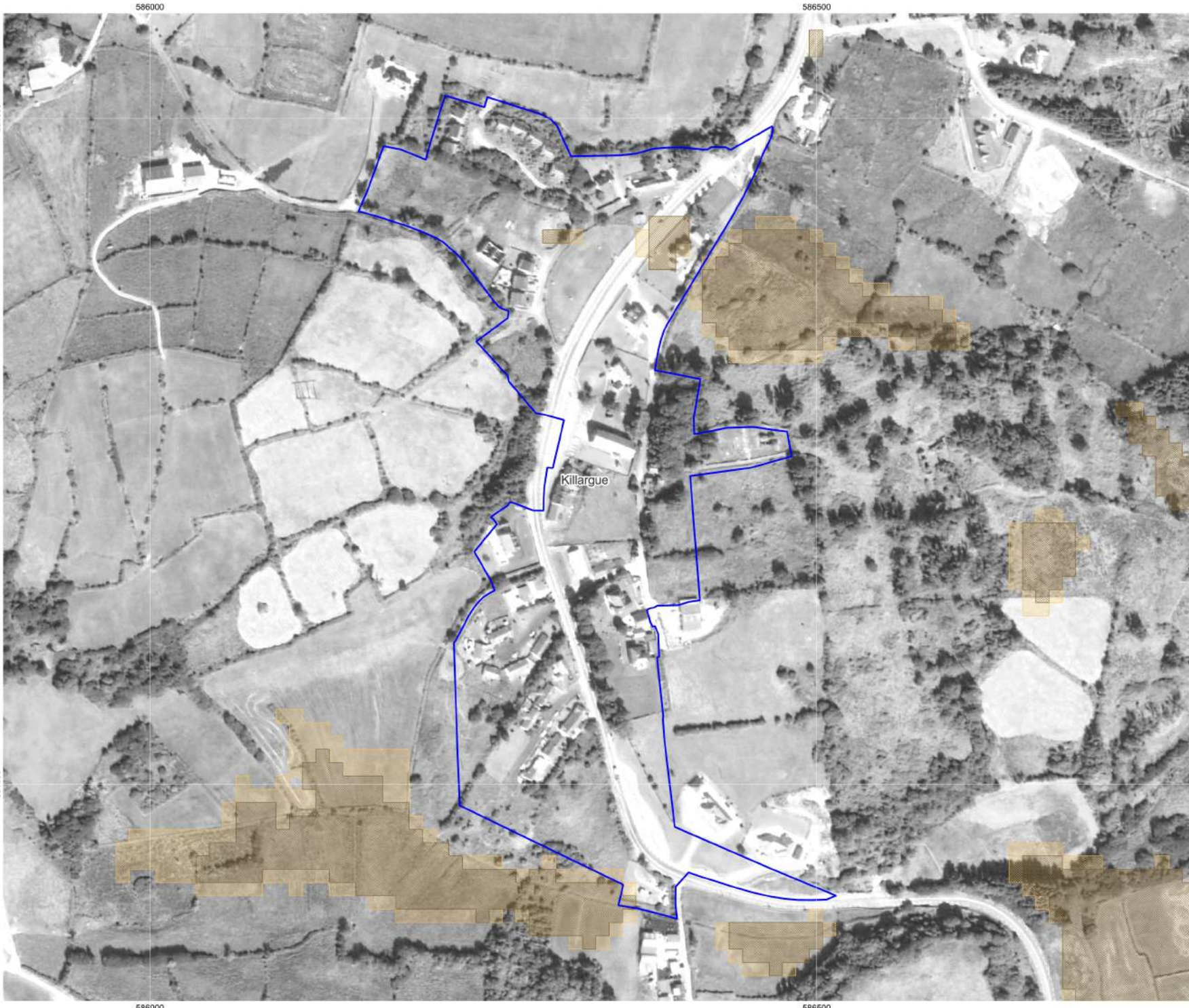
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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Killargue Indicative Flood Zones

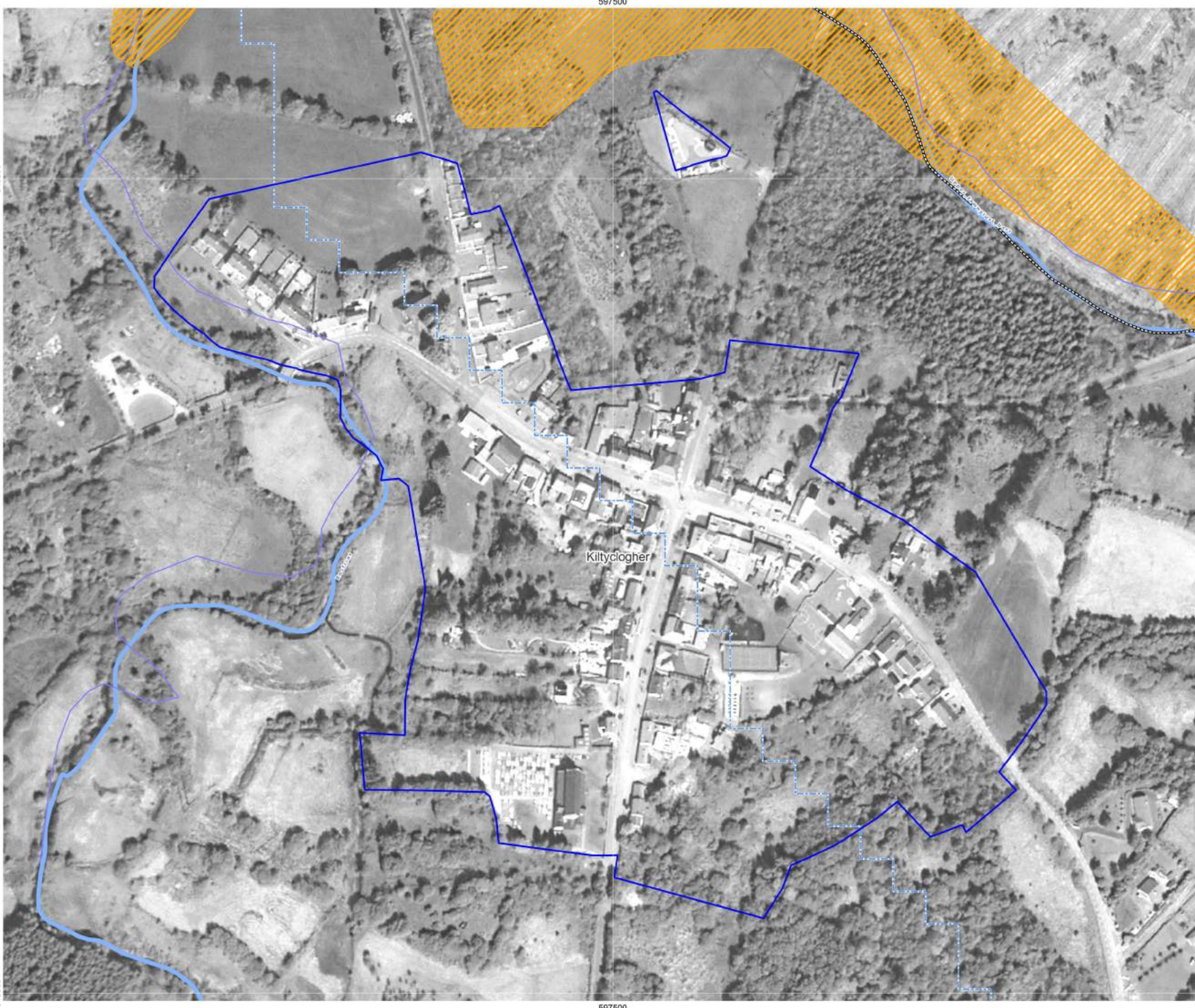
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
- Flood Zone A
- Flood Zone B
- PFRA**
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability



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Kiltyclogher 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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597500

County Leitrim Development Plan 2022-2028

Kiltyclogher OPW Preliminary Flood Risk Assessment (PFRA)

845500

-  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 0.5% AEP
 -  Coastal 0.1% AEP
 -  Groundwater



845500

845000

597500

845000







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597500

County Leitrim Development Plan 2022-2028




Kiltyclogher 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 0.5% AEP
-  Coastal 0.1% AEP

NIFM Present Day

-  Fluvial 5% AEP
-  Fluvial 1% AEP
-  Fluvial 0.1% AEP



845500

845500

845000

845000








597500

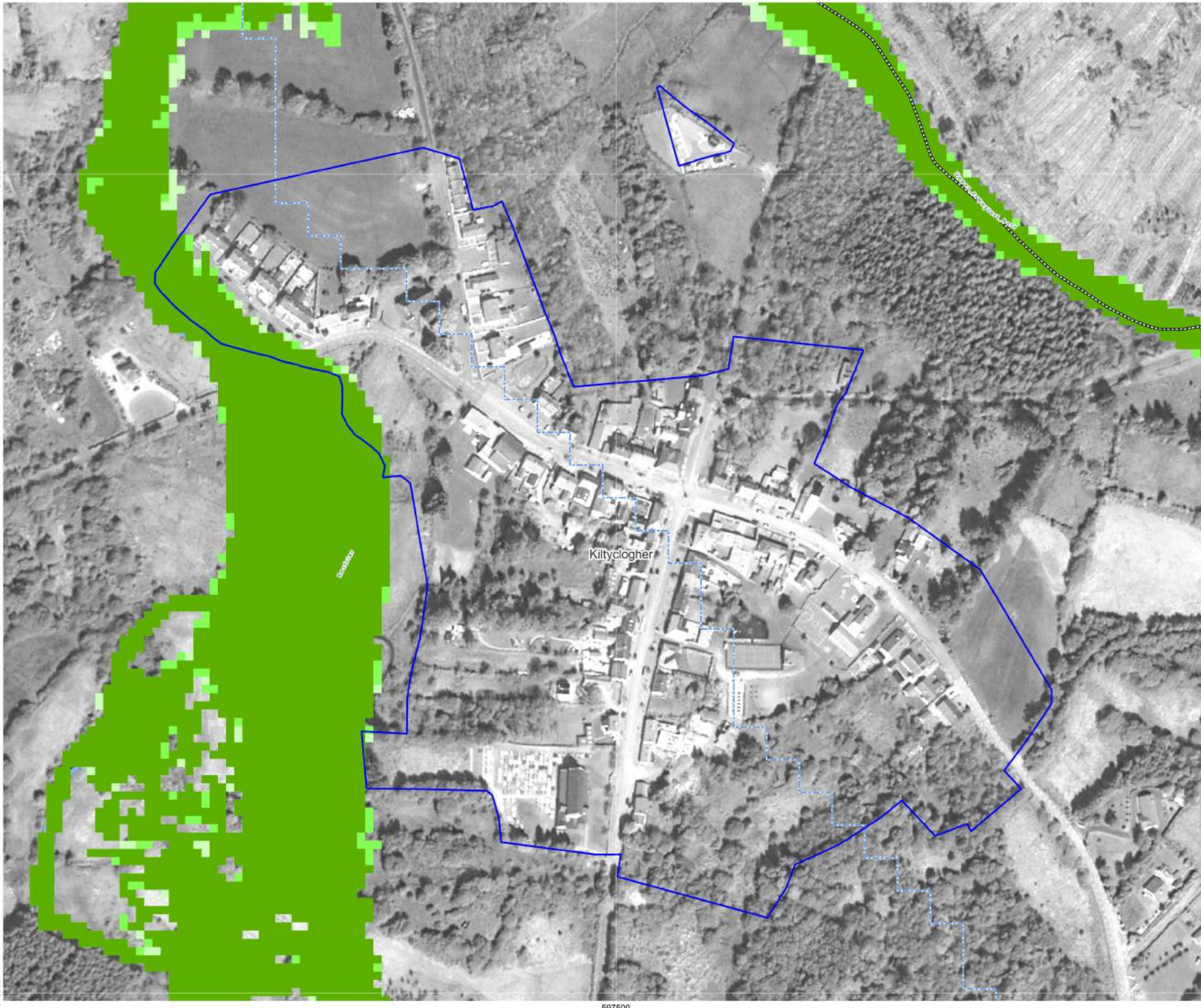


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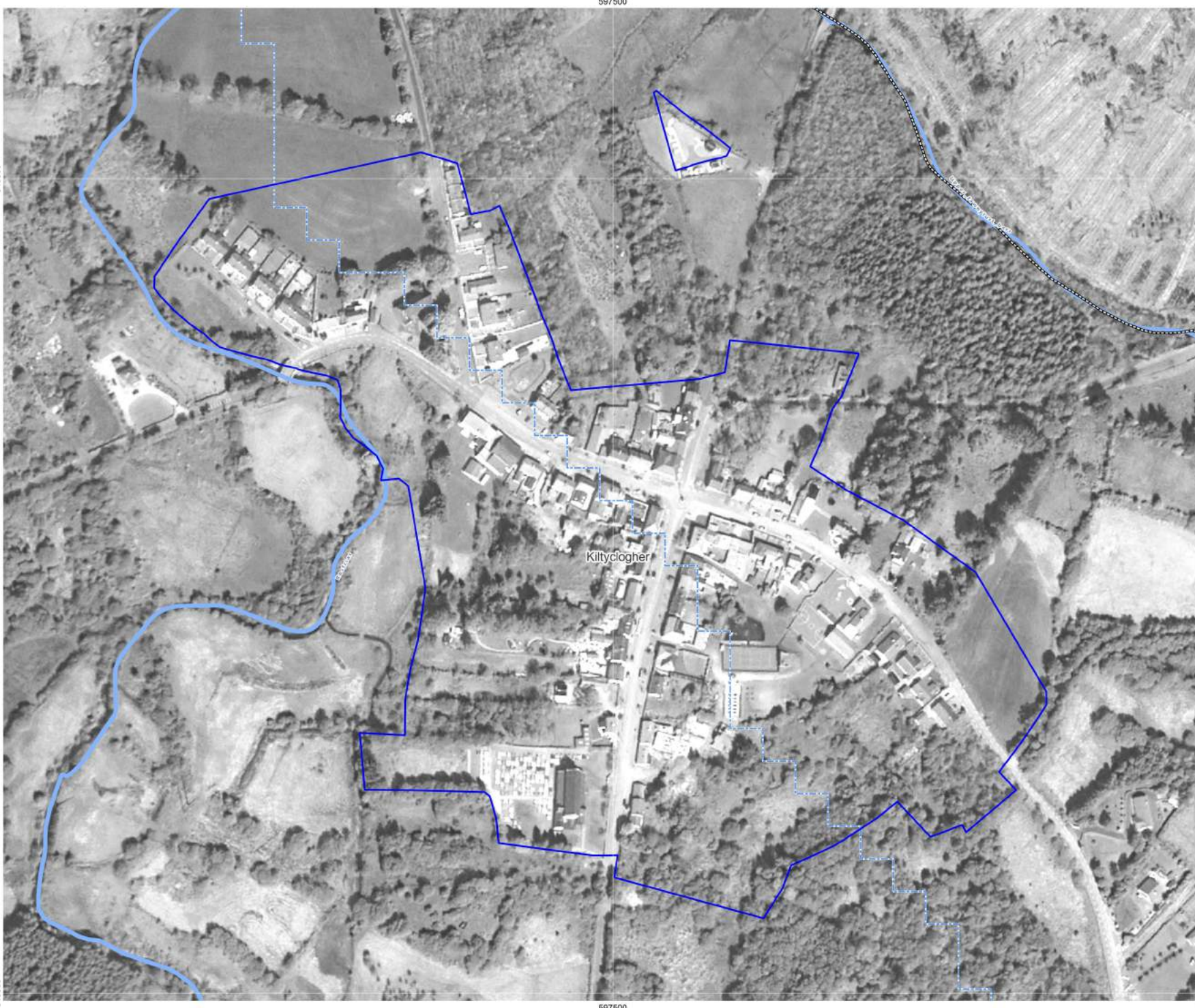
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Kiltyclogher
OPW Catchment Flood
Risk Assessment &
Management (CFRAM)
& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

-  Plan Boundary
 -  WFD River Sub-Basins
 -  Water
 -  River or Stream
- CFRAM All Scenarios**
-  Fluvial Present Day Scenario 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 0.1% AEP
 -  Fluvial High-End Future Scenario 0.1% AEP



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Kiltyclogher
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability

- GSI Historical Flood Data**
- Surface Water Flooding**
- Winter 2015-2016 Surface Water Flooding
- Maximum Historic Groundwater Flooding**
- Groundwater
 - Groundwater/Surface water

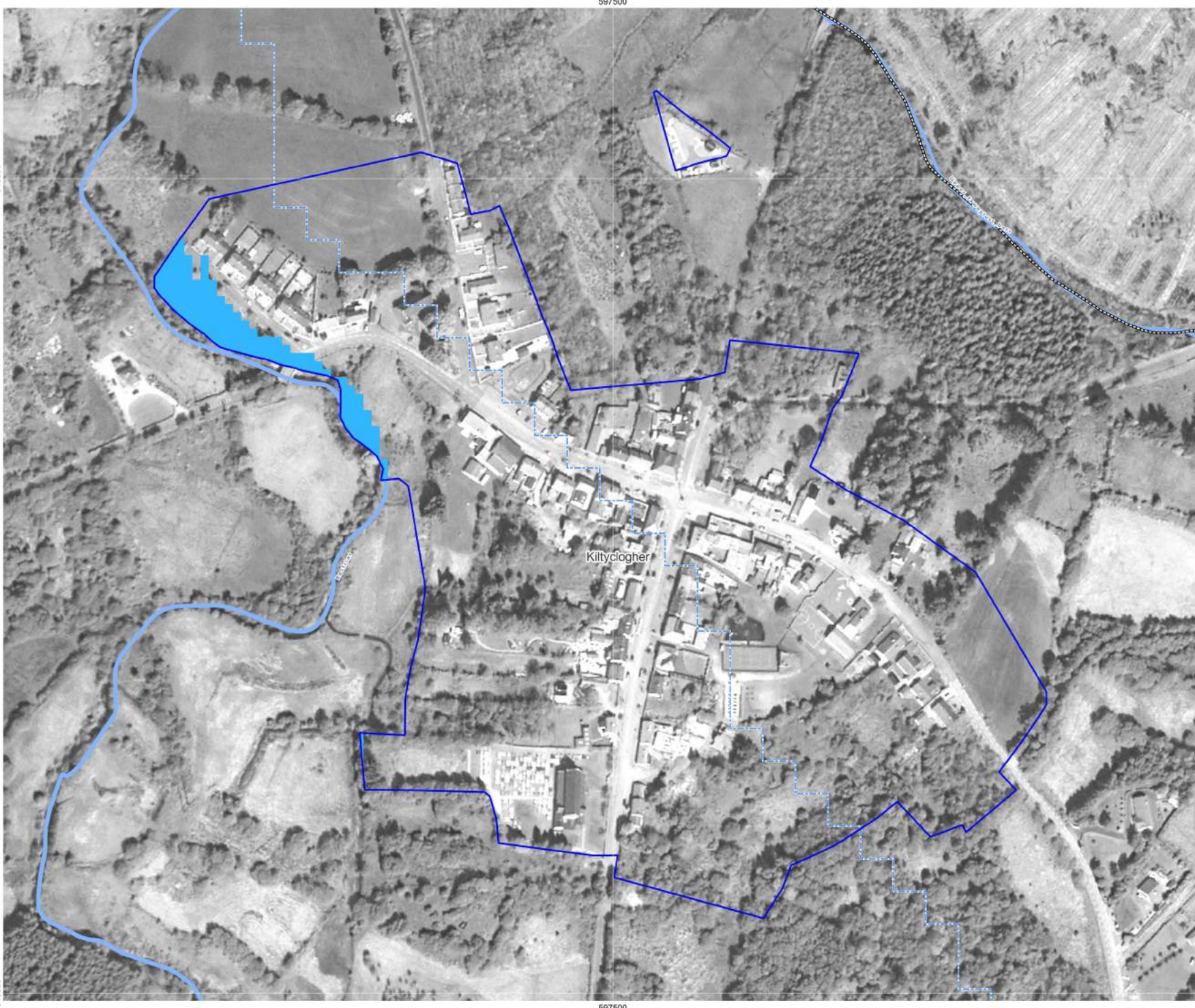


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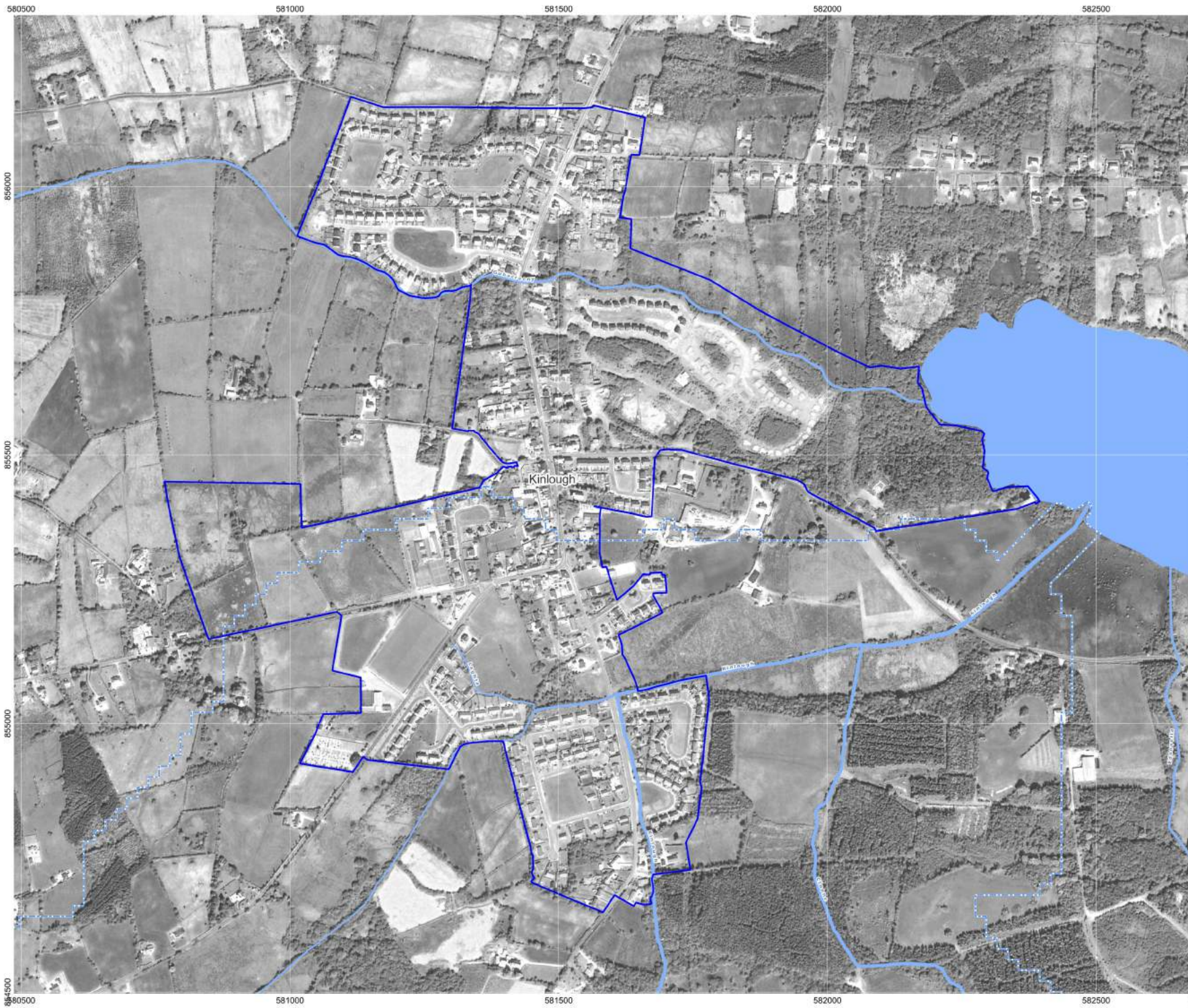
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Kiltyclogher Indicative Flood Zones

-  Plan Boundary
 -  WFD River Sub-Basins
 -  Water
 -  River or Stream
- Indicative Flood Zones**
-  Flood Zone A
 -  Flood Zone B
- PFRA**
-  Pluvial 1% AEP
 -  Pluvial 0.1% AEP
 -  Groundwater
- GSI Groundwater Flooding Predictive Model**
-  High Probability
 -  Medium Probability
 -  Low Probability






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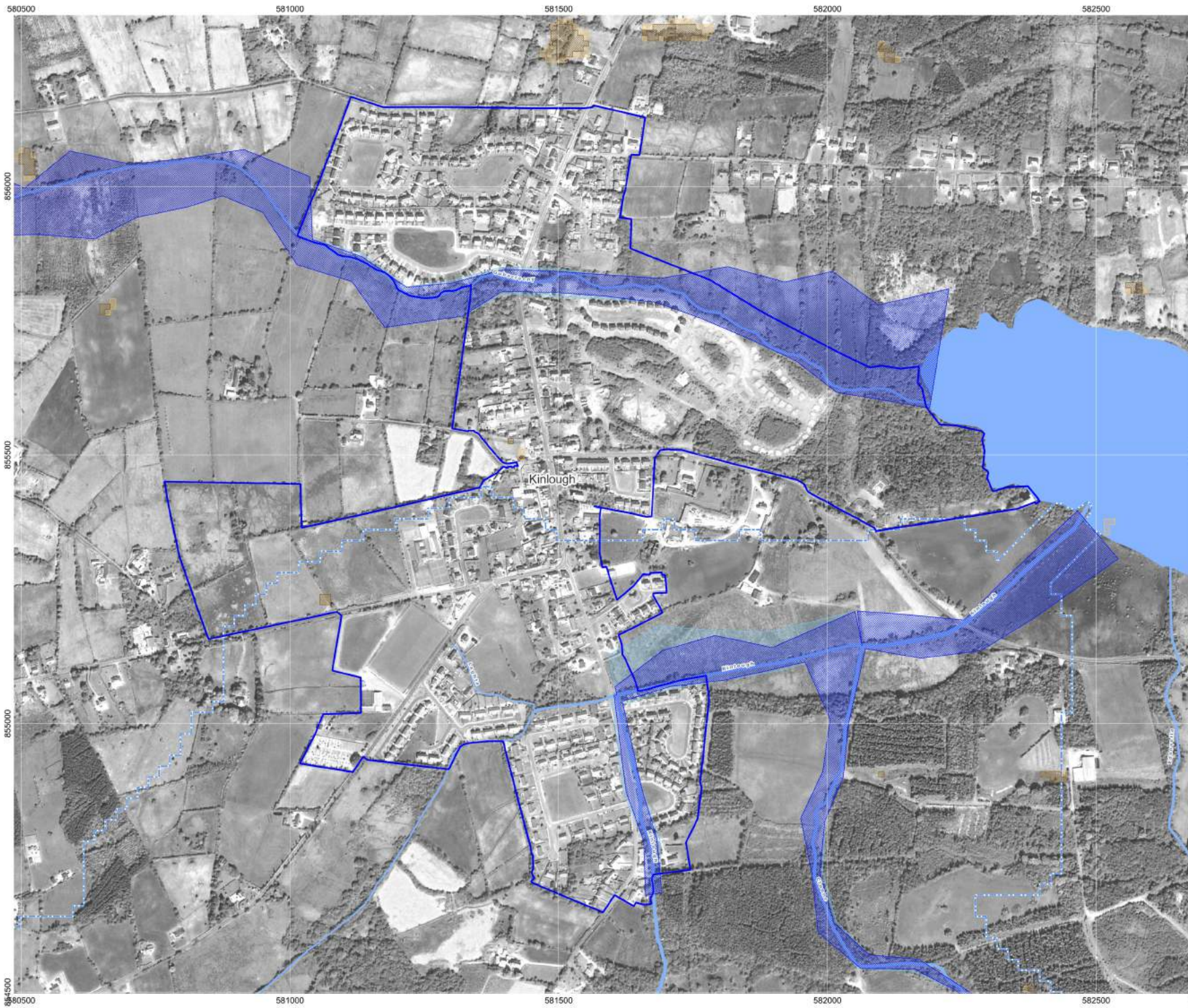
County Leitrim Development Plan 2022-2028

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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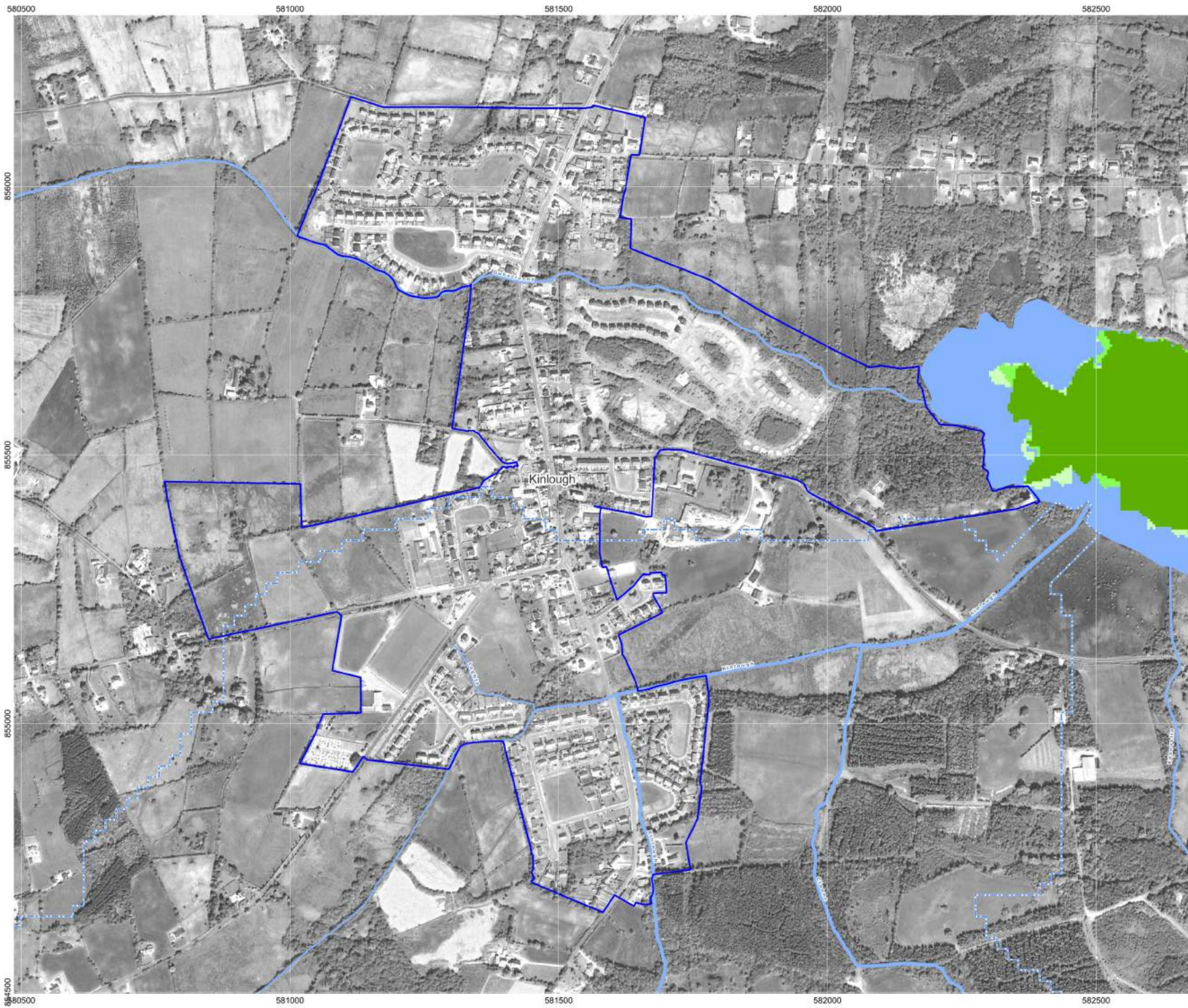
County Leitrim Development Plan 2022-2028

Kinlough
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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

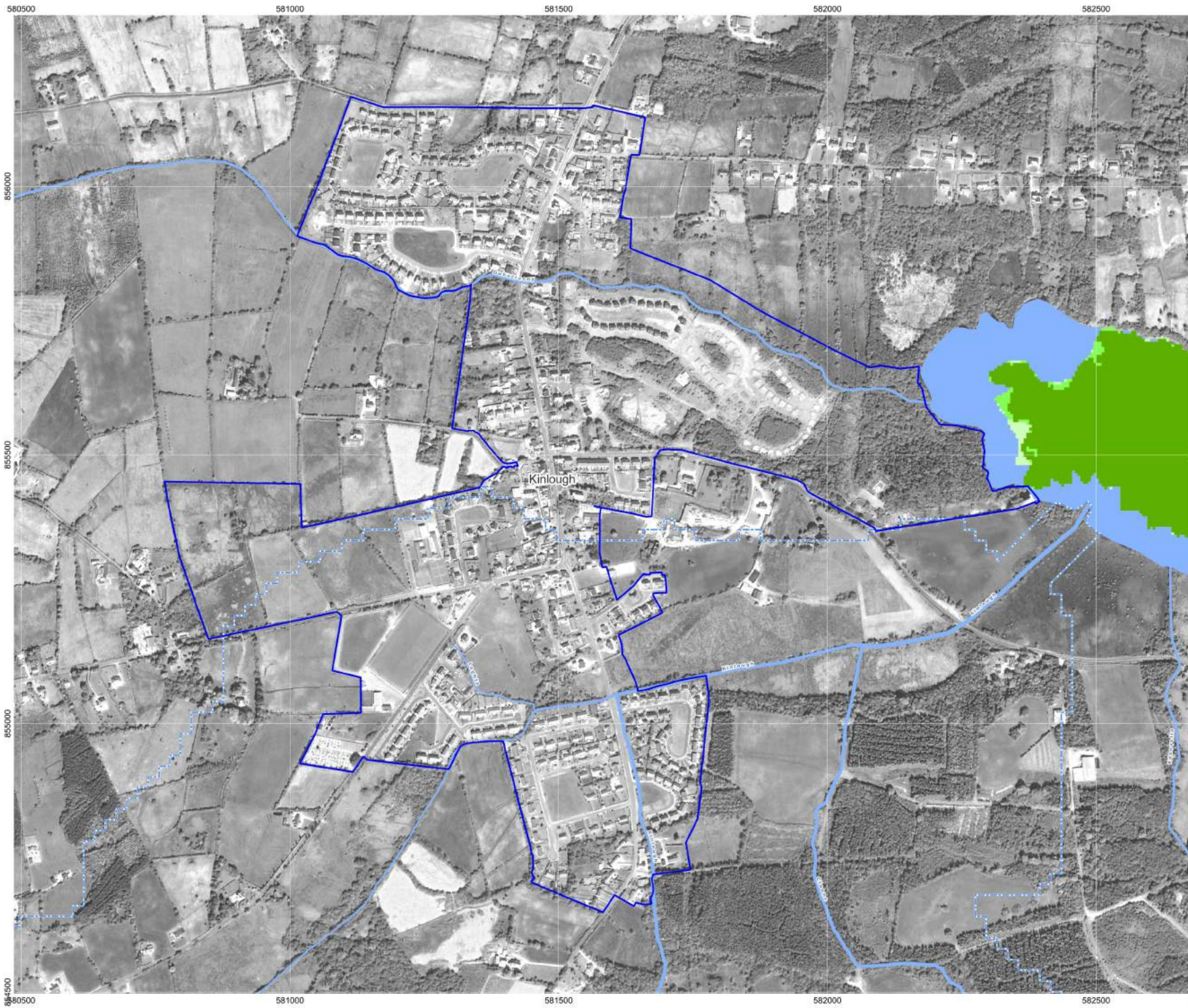
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM Present Day**
- Fluvial 10% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Coastal 10% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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

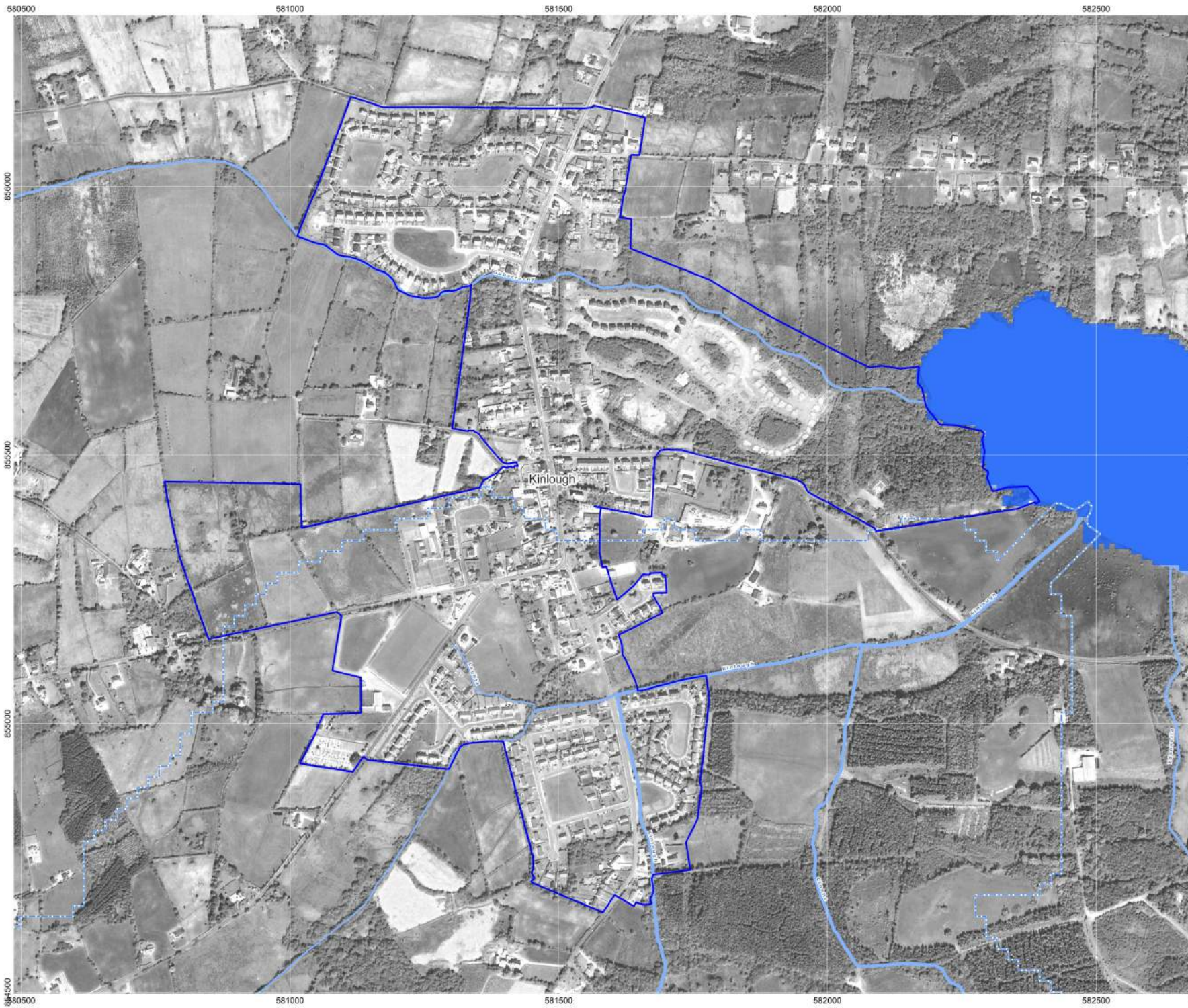
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- 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 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 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Kinlough
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

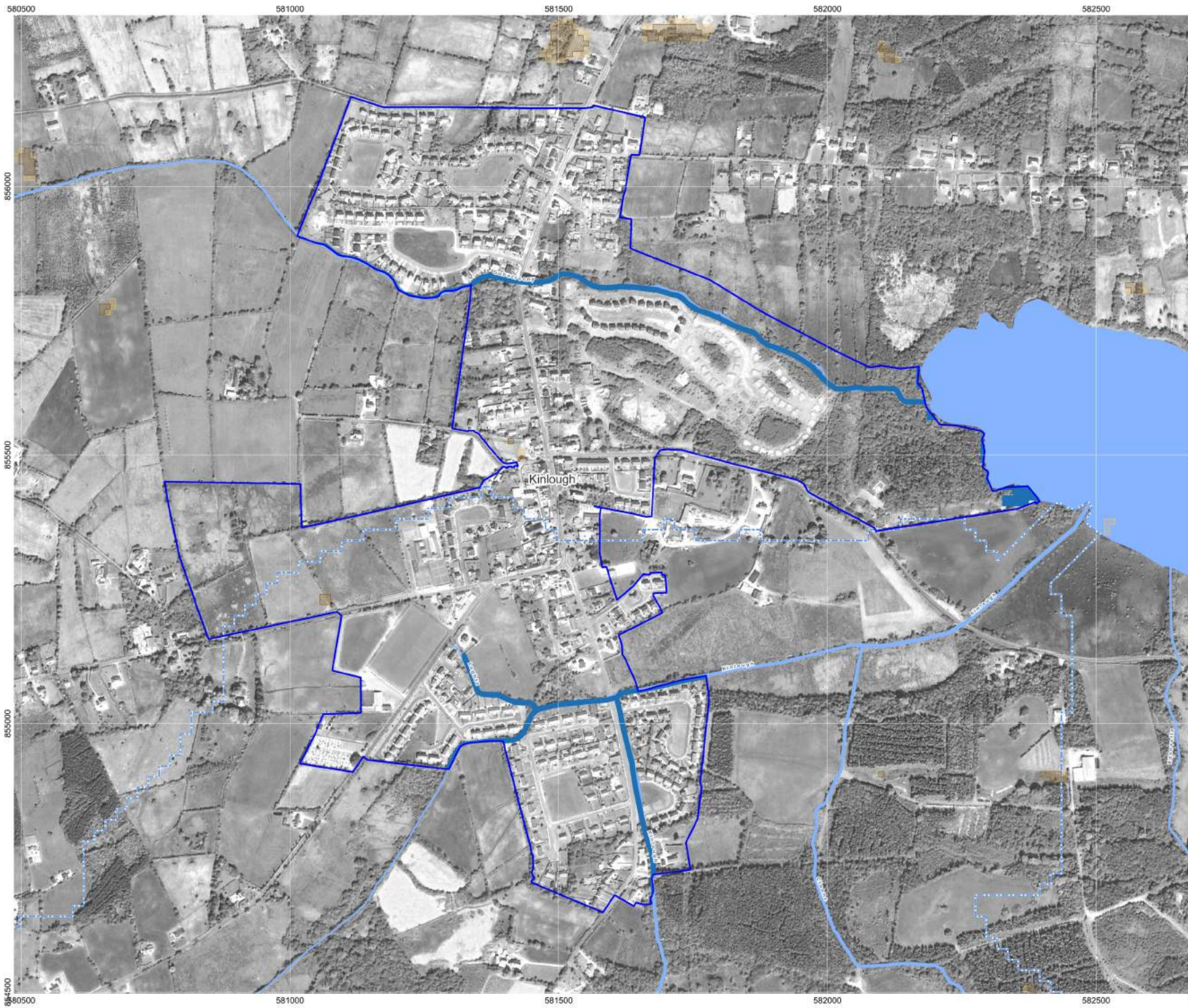
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability

- 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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Kinlough Indicative Flood Zones

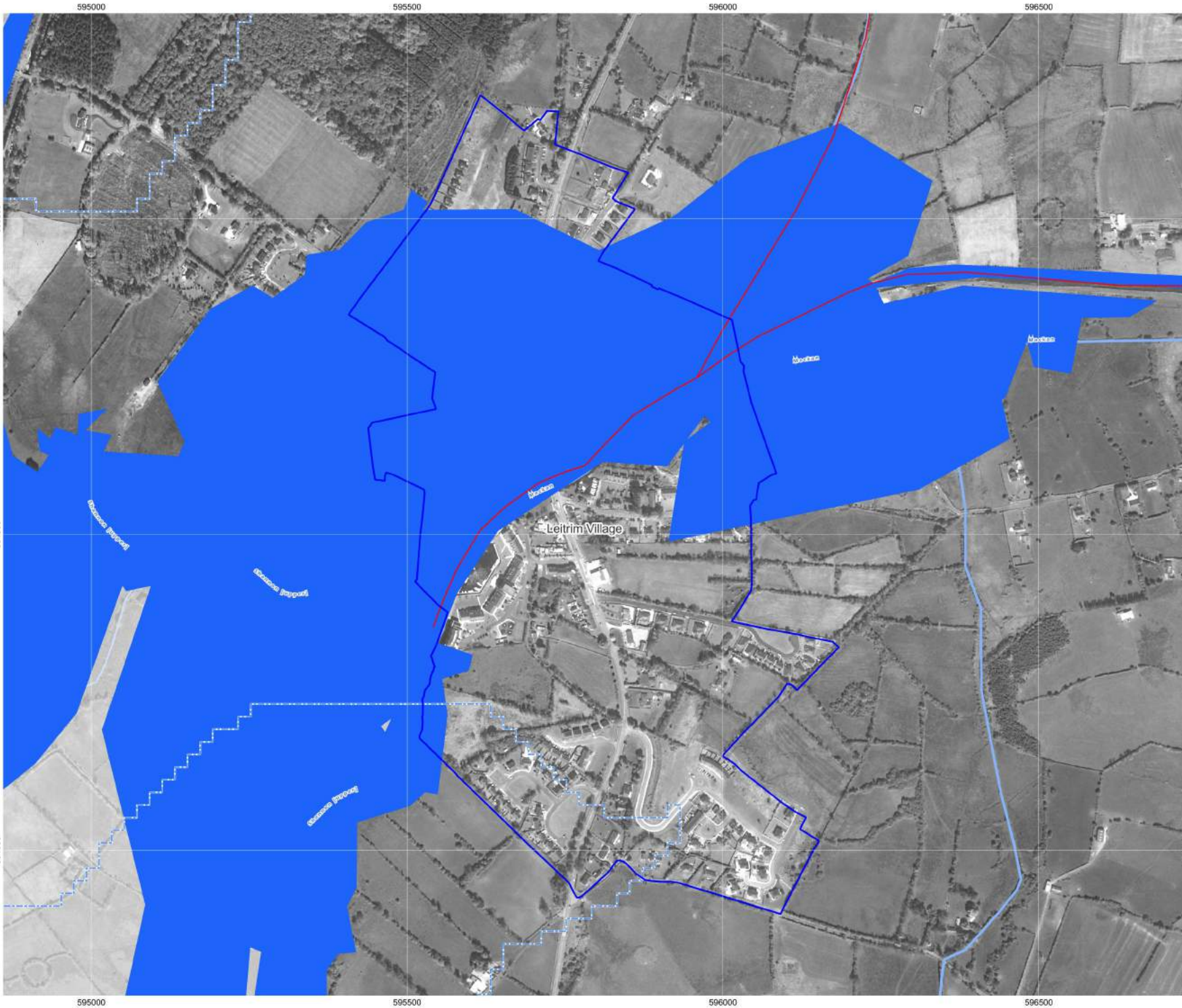
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
- Flood Zone A
- Flood Zone B
- PFRA**
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability



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County Leitrim Development Plan 2022-2028

Leitrim Village 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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Leitrim Village OPW Preliminary Flood Risk Assessment (PFRA)



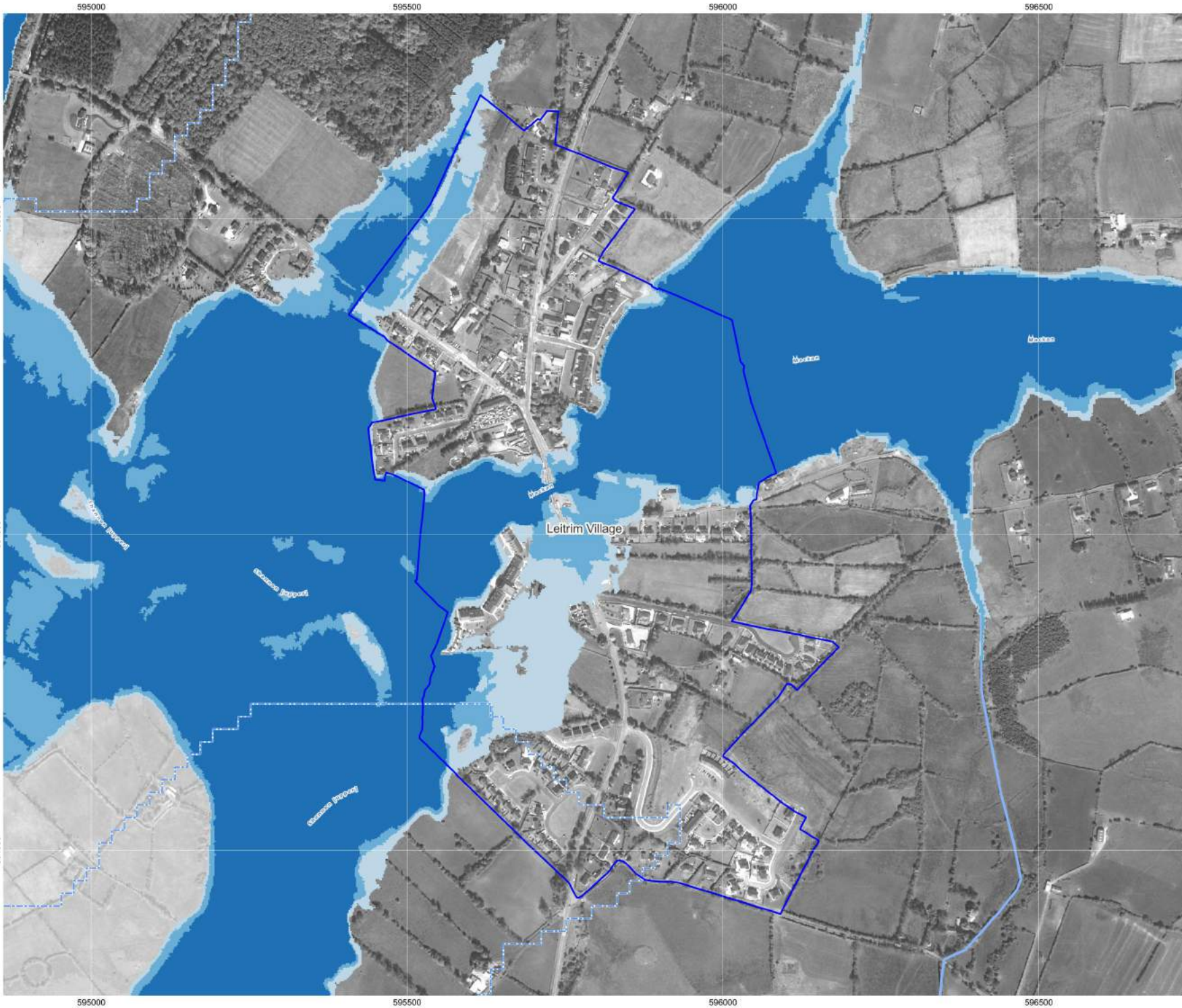
- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- PFRA**
- Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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



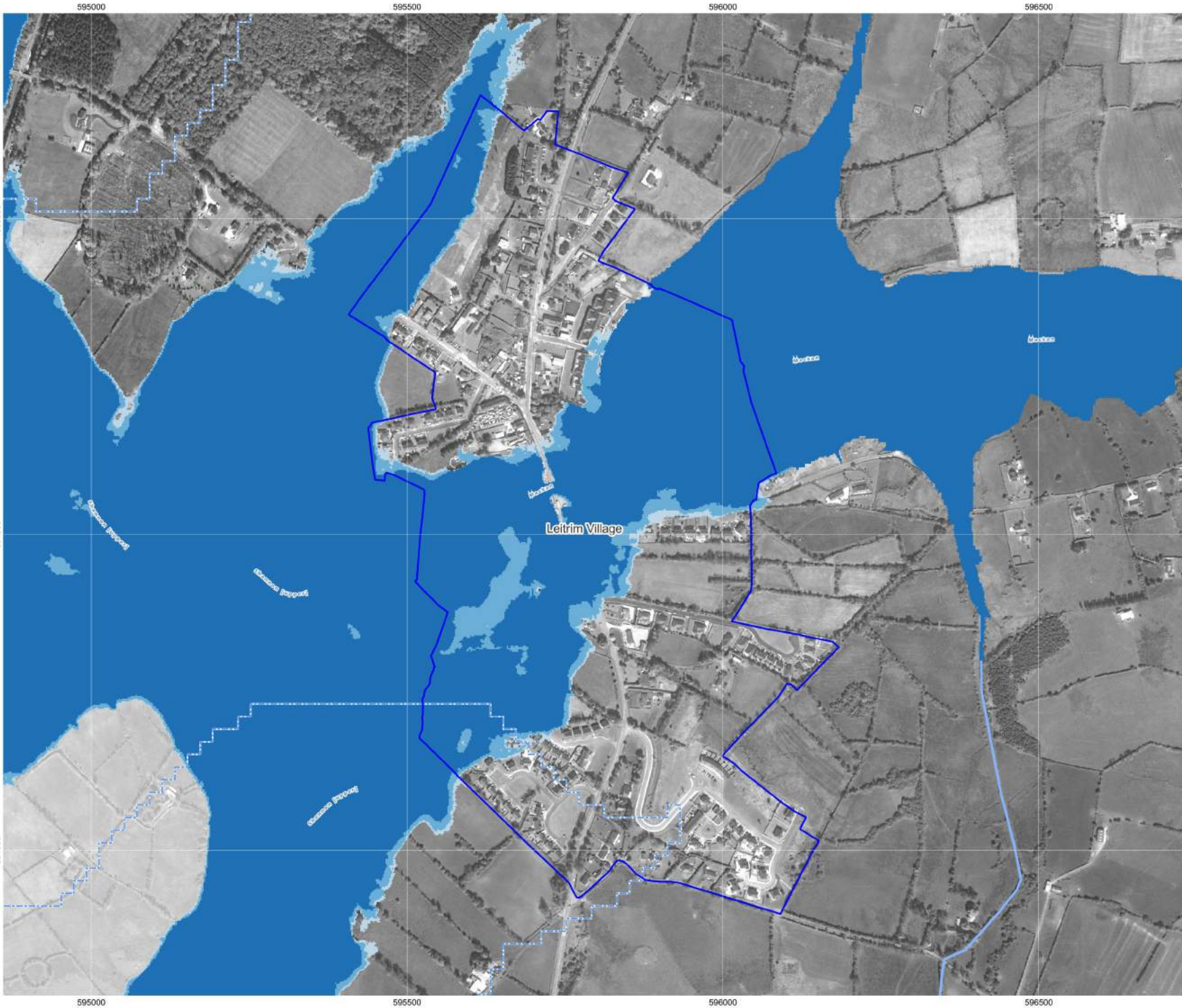
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM Present Day**
- Fluvial 10% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Coastal 10% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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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 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

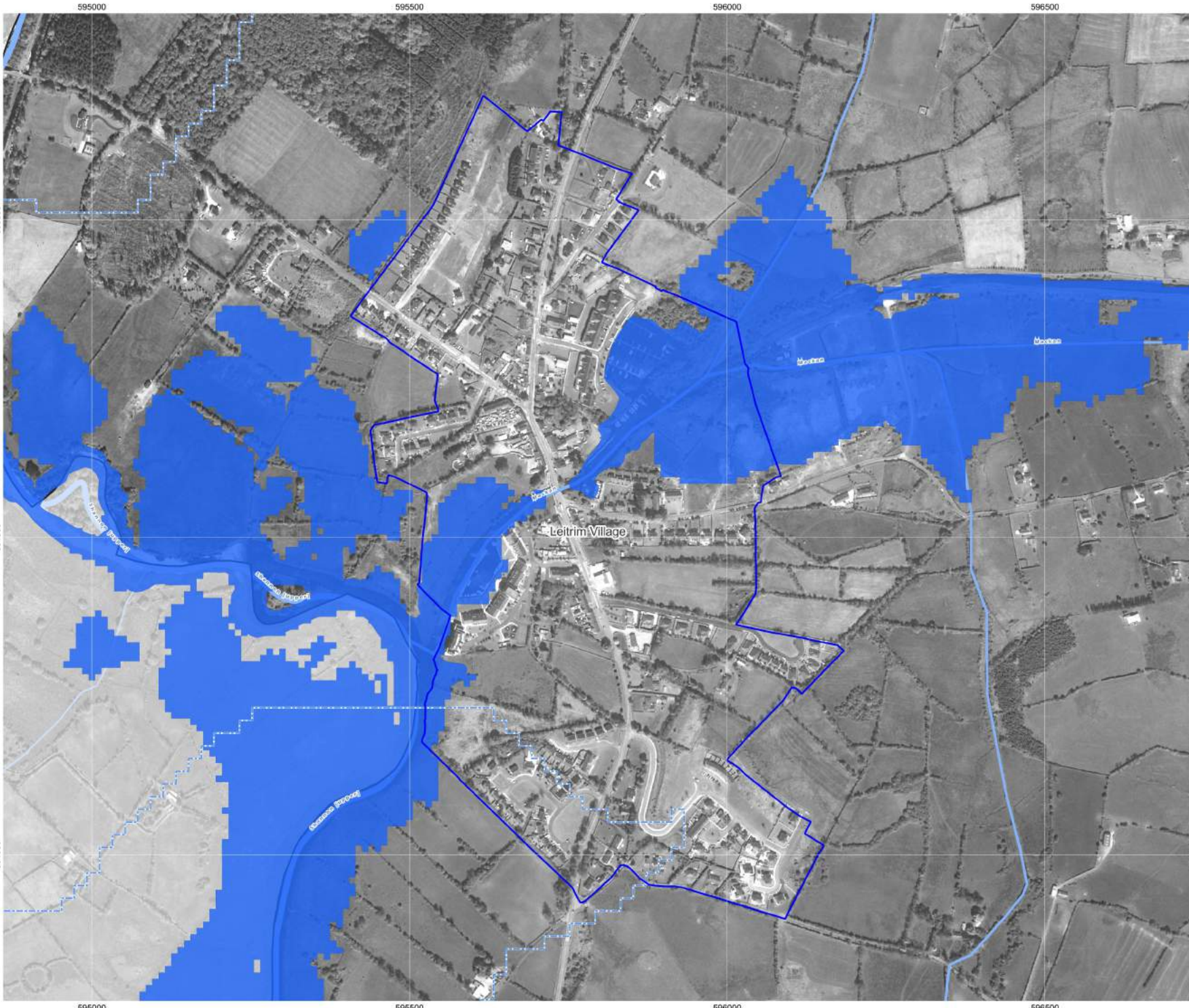
- NIFM All Scenarios**
- Fluvial Present Day Scenario 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Leitrim Village GSI Historical Flood Data and Groundwater Flooding Predictive Modeling



- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability

- ### GSI Historical Flood Data
- Surface Water Flooding**
- Winter 2015-2016 Surface Water Flooding

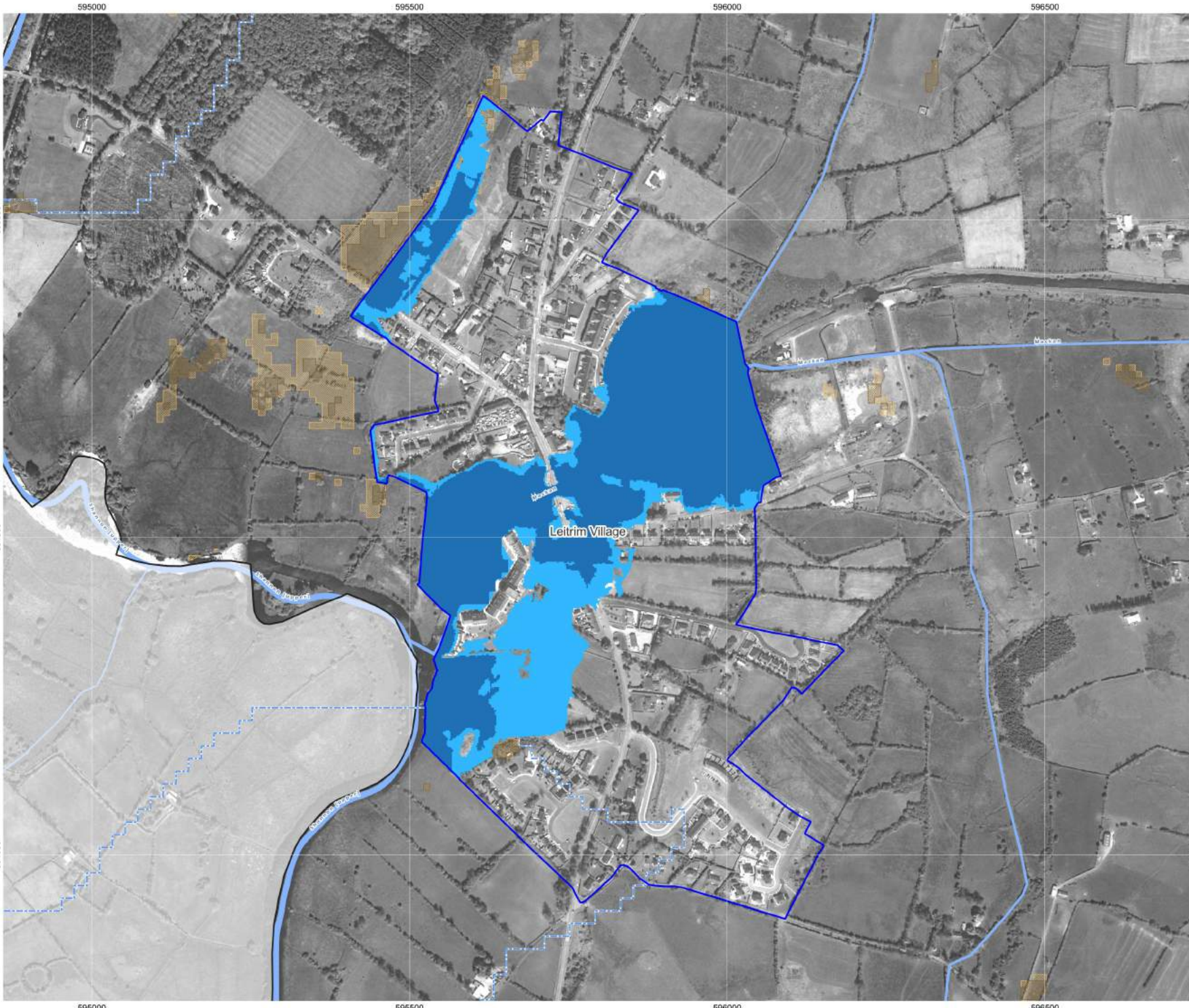
- Maximum Historic Groundwater Flooding**
- Groundwater
 - Groundwater/Surface water



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Leitrim Village Indicative Flood Zones



- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

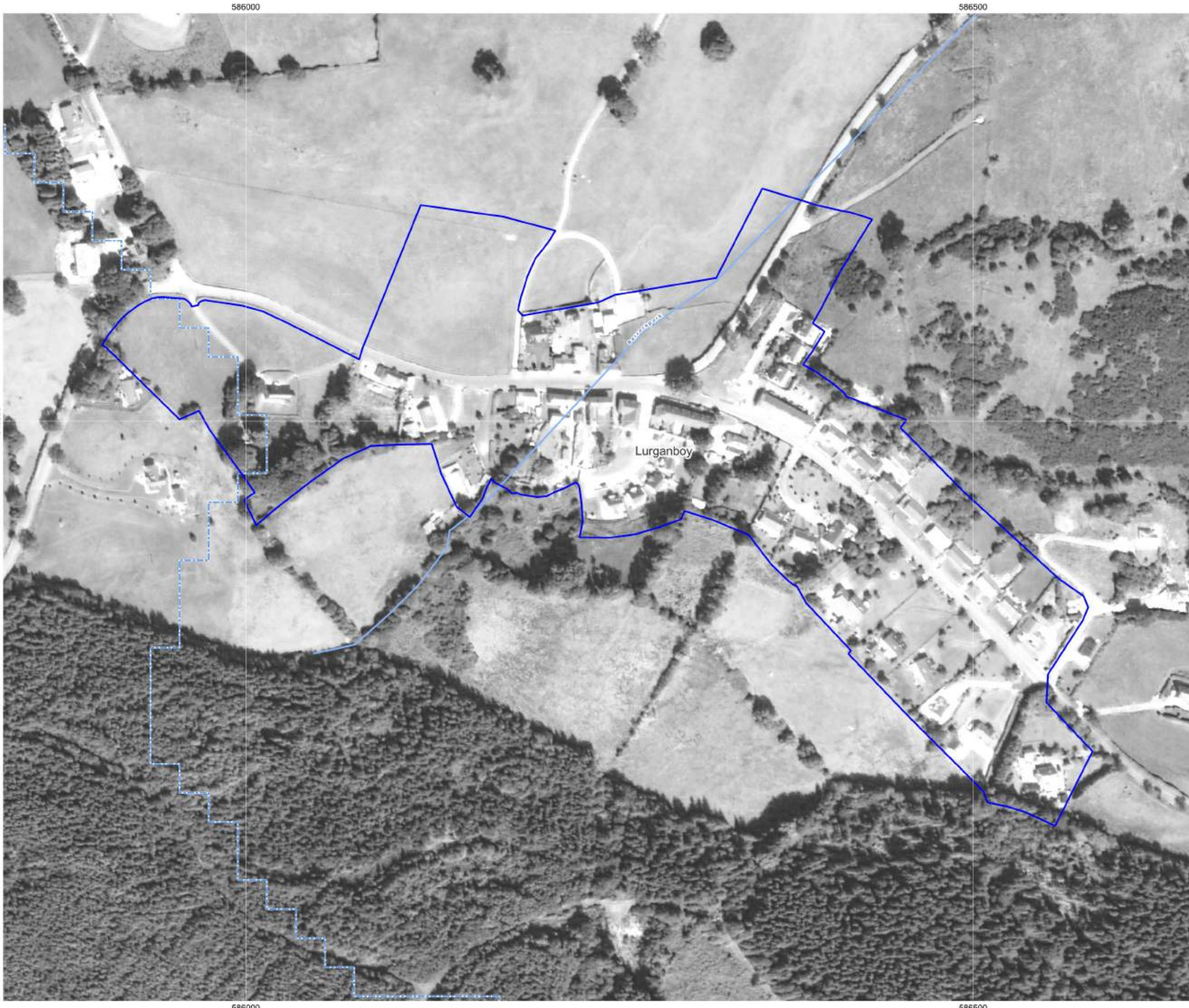
- ### Indicative Flood Zones
- Flood Zone A
 - Flood Zone B
 - Flood Zone C

- ### PFRA
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability






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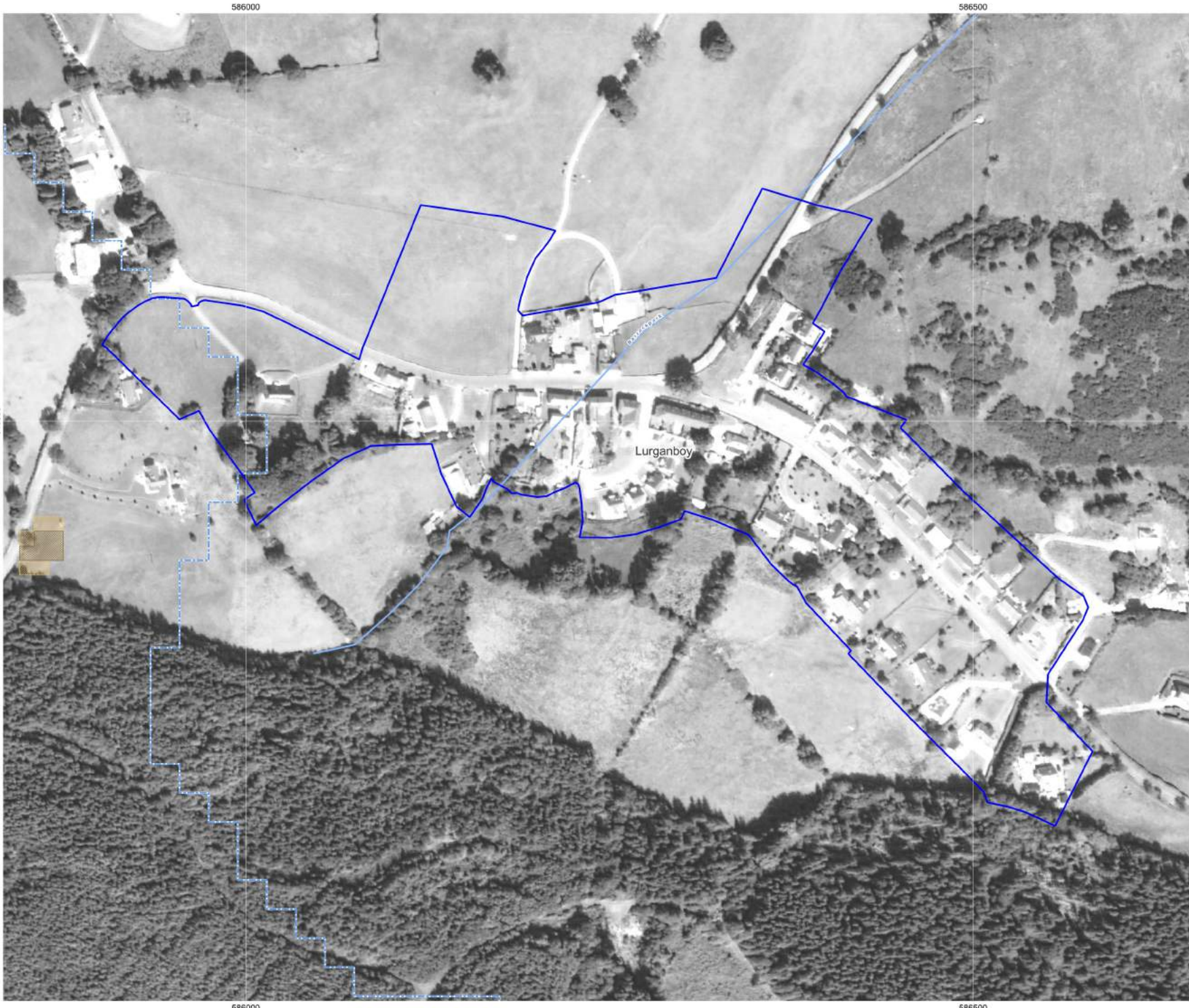
County Leitrim Development Plan 2022-2028

Lurganboy 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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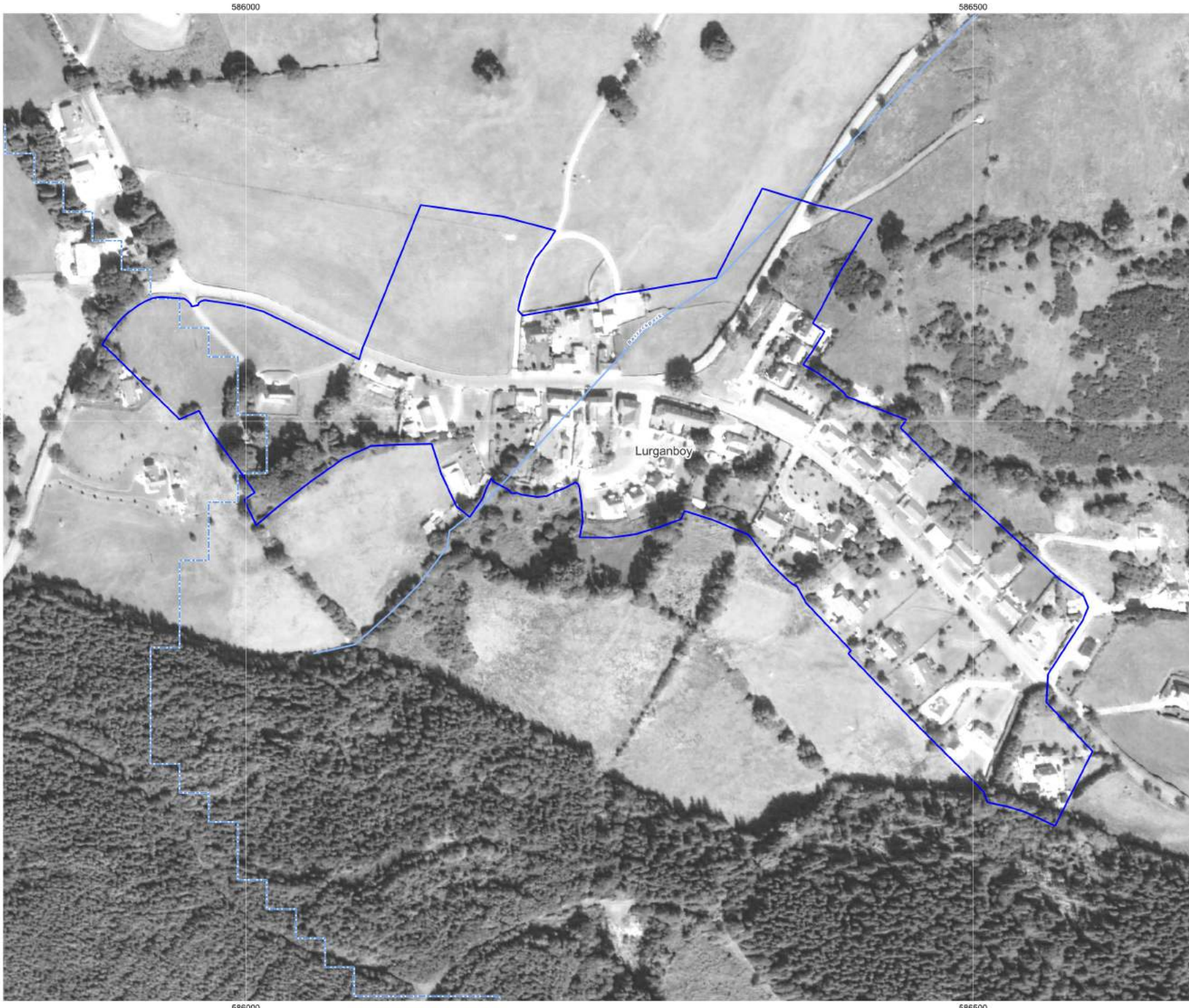
County Leitrim Development Plan 2022-2028

Lurganboy
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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County Leitrim Development Plan 2022-2028

Lurganboy
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

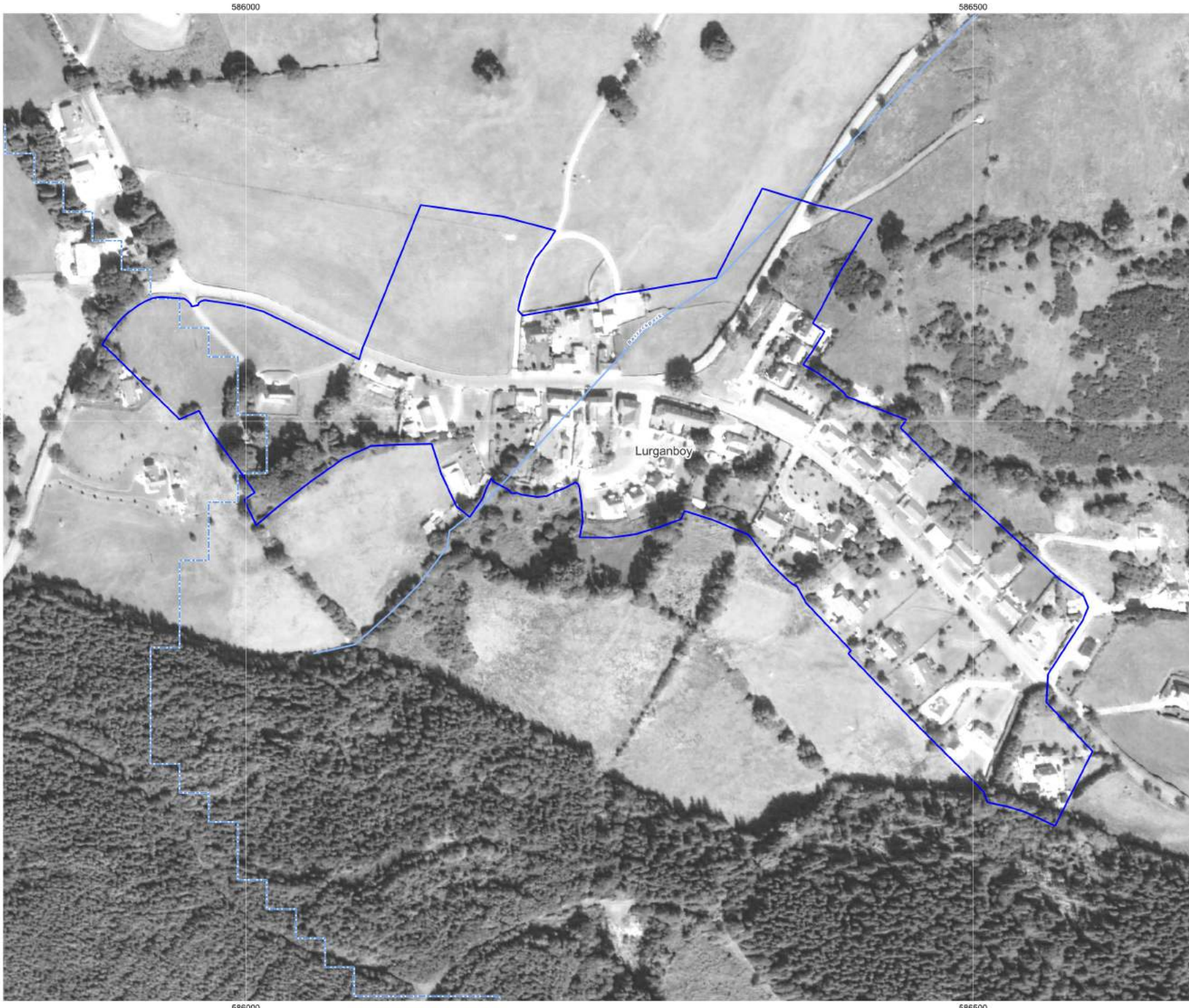
- Fluvial 10% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP
- Coastal 10% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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

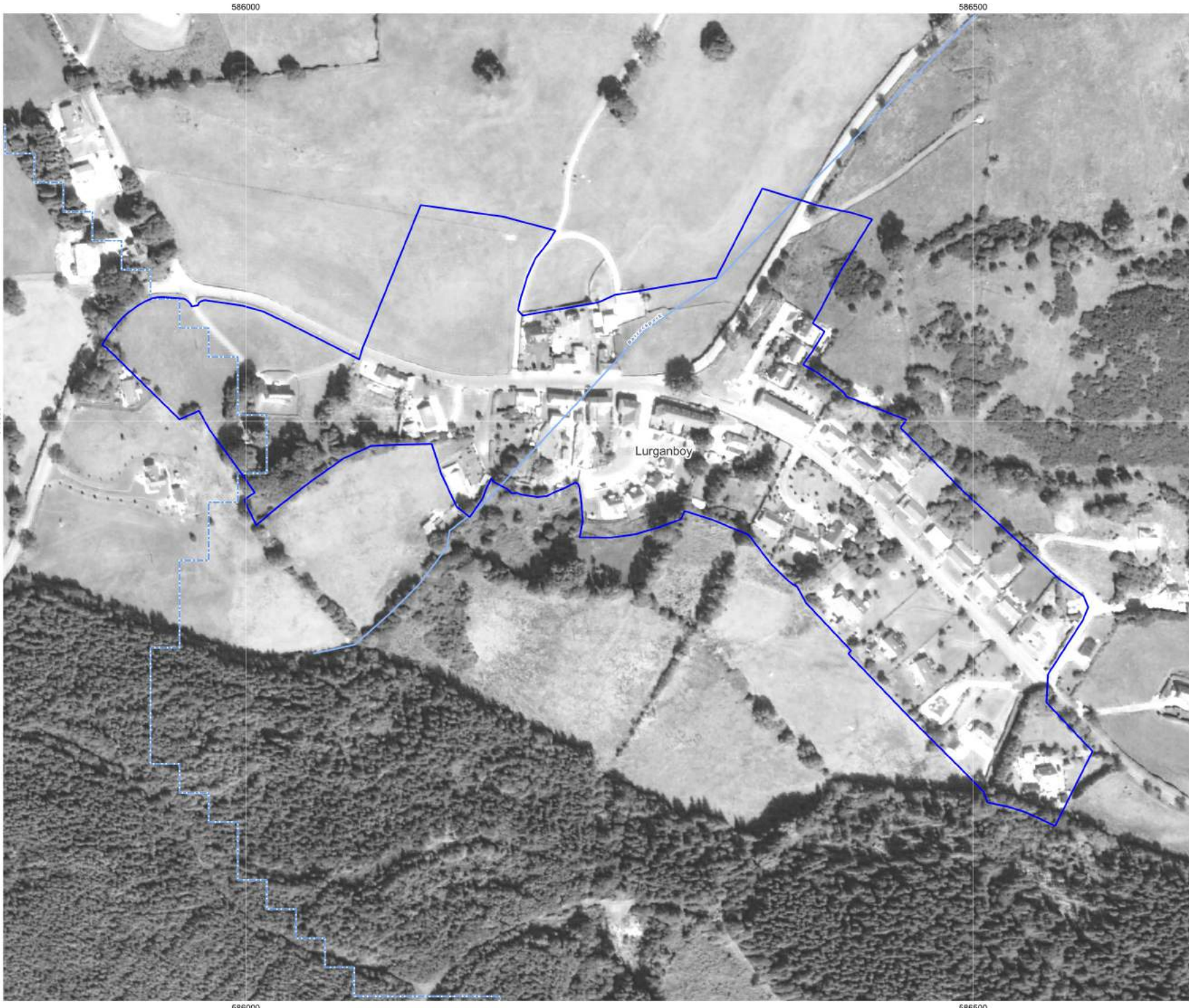
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM All Scenarios**
- Fluvial Present Day Scenario 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 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Lurganboy GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low Probability

GSI Historical Flood Data

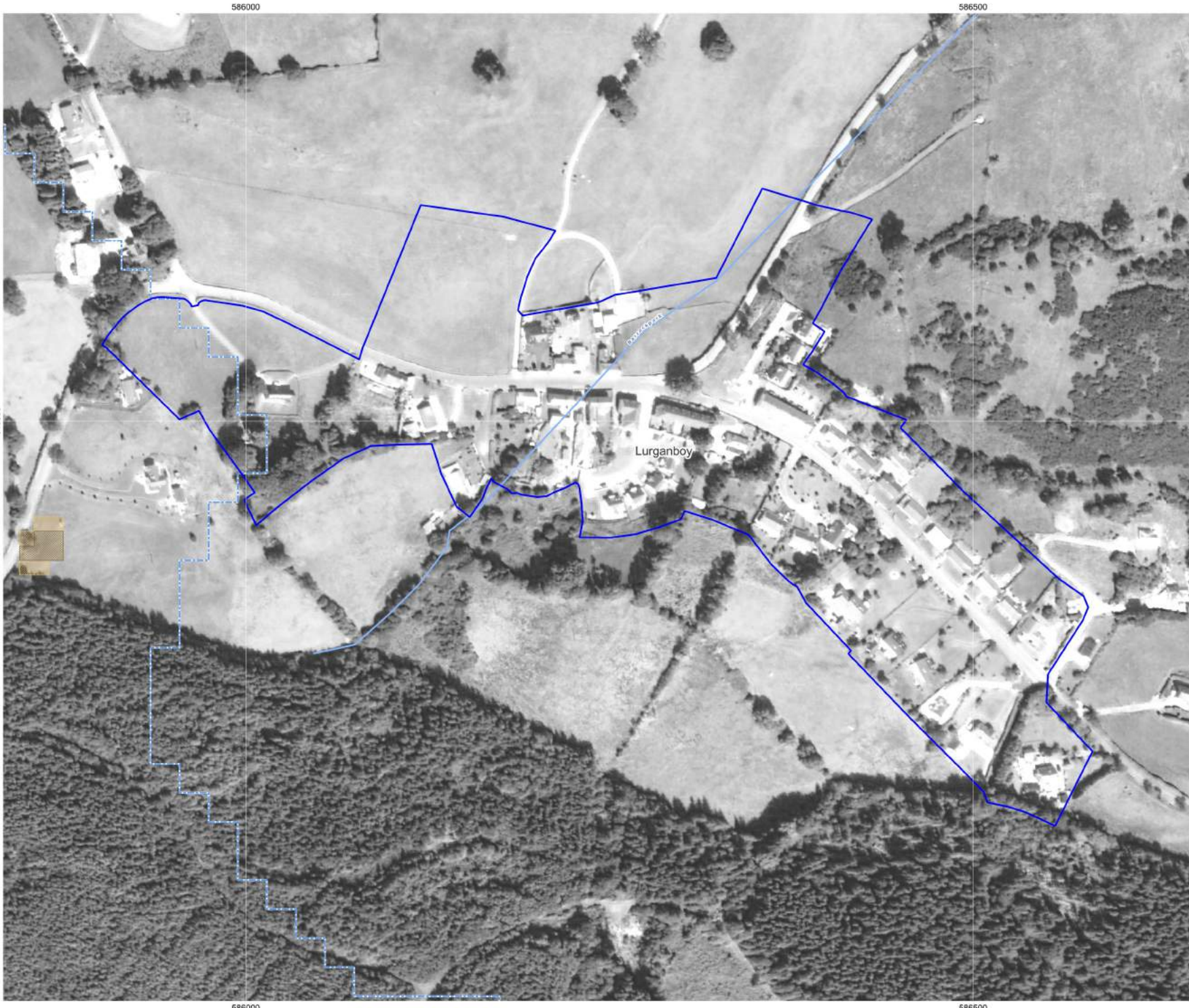
- Surface Water Flooding**
- Winter 2015-2016 Surface Water Flooding

Maximum Historic Groundwater Flooding

- Groundwater
- Groundwater/Surface water



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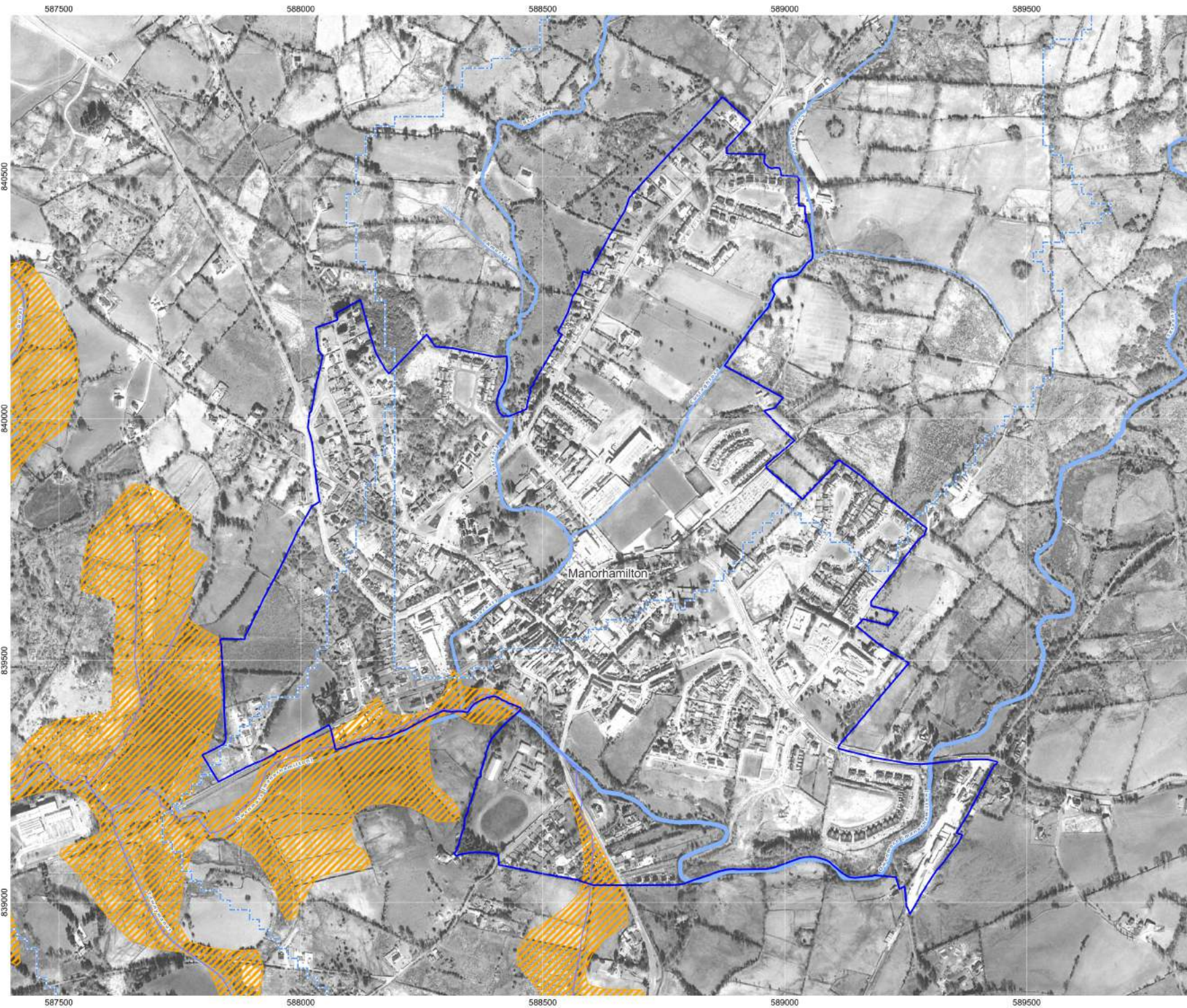
County Leitrim Development Plan 2022-2028

Lurganboy Indicative Flood Zones

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- Indicative Flood Zones**
- Flood Zone A
 - Flood Zone B
- PFRA**
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability



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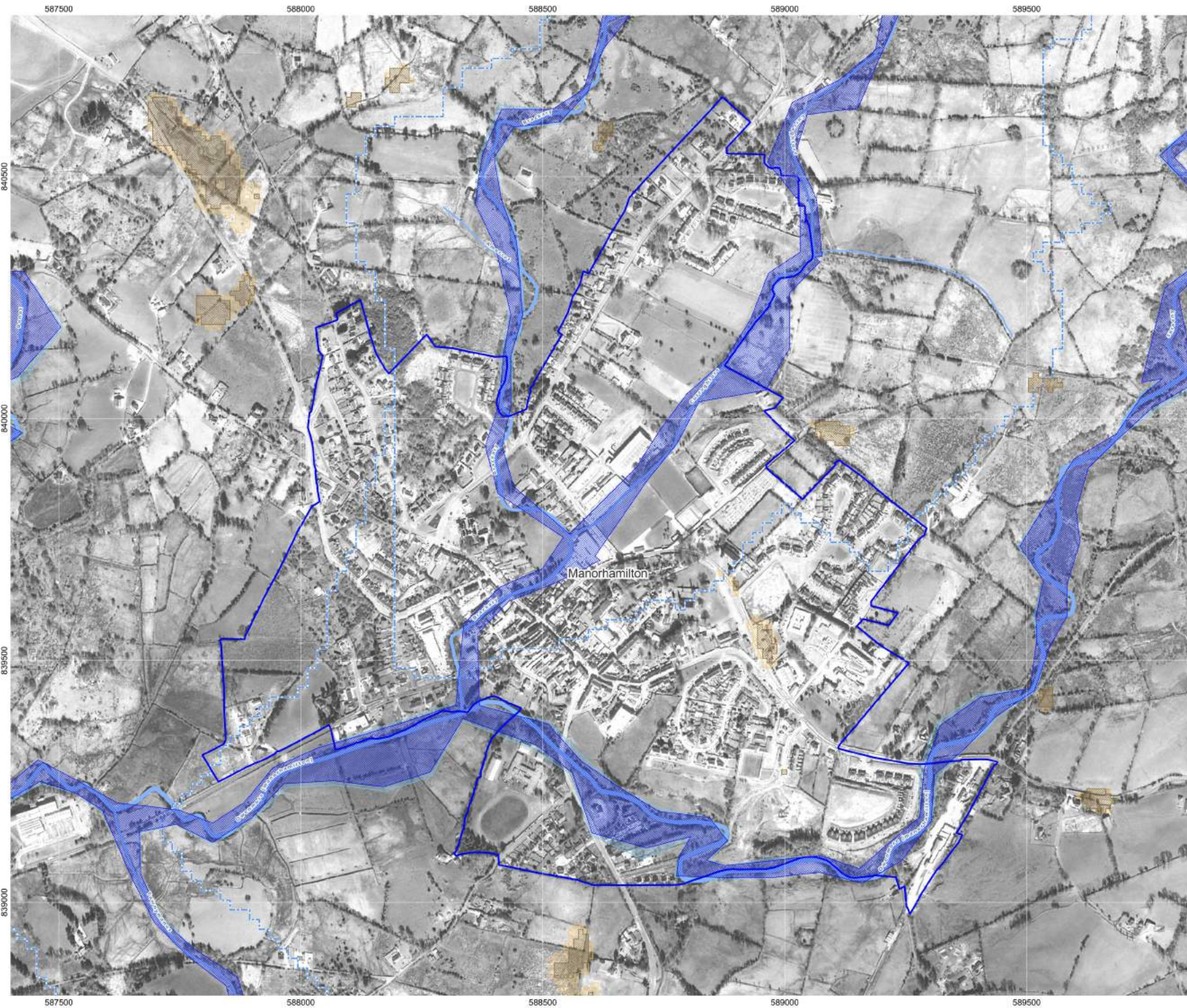
County Leitrim Development Plan 2022-2028

Manorhamilton 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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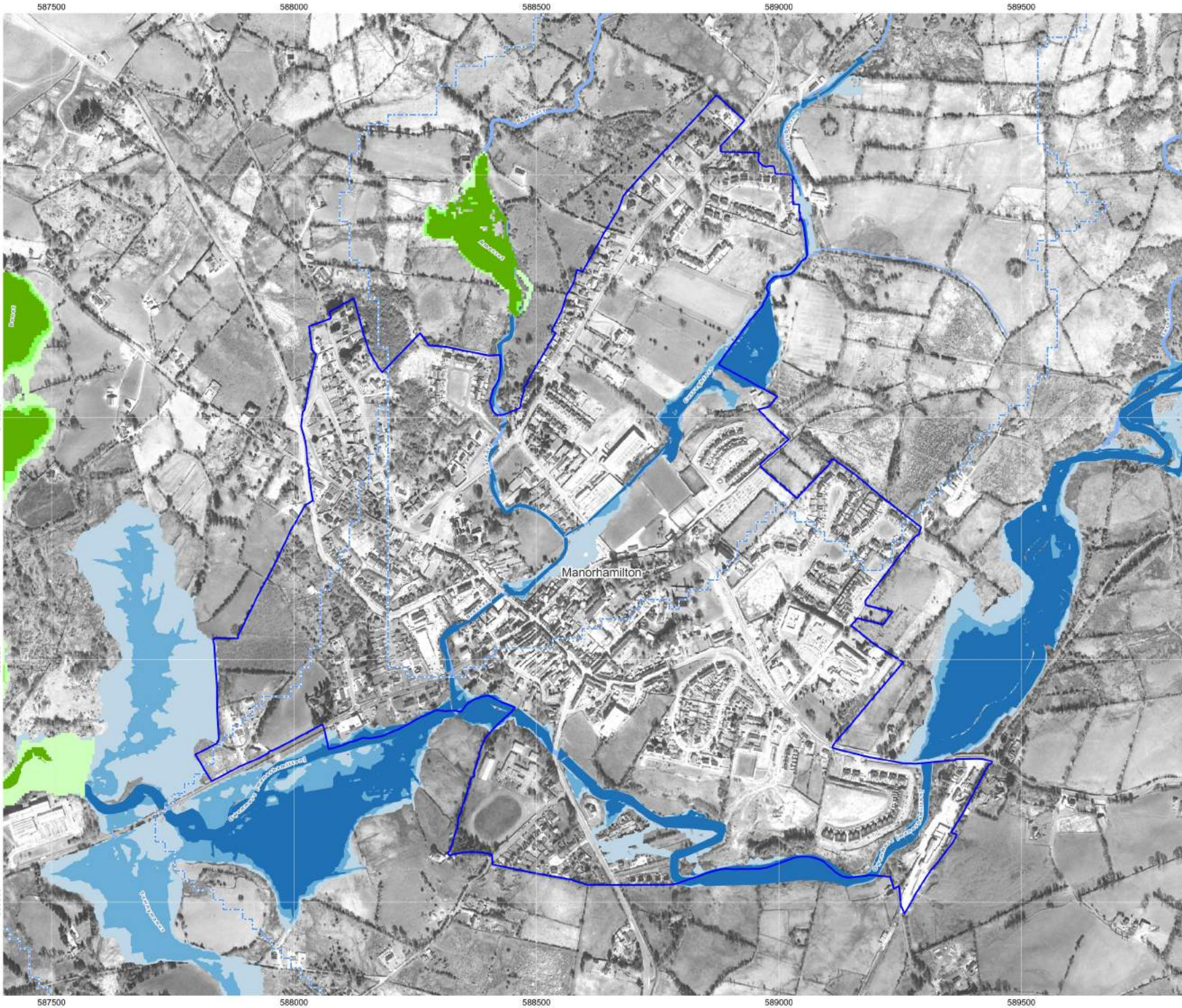
County Leitrim Development Plan 2022-2028

Manorhamilton 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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Manorhamilton
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

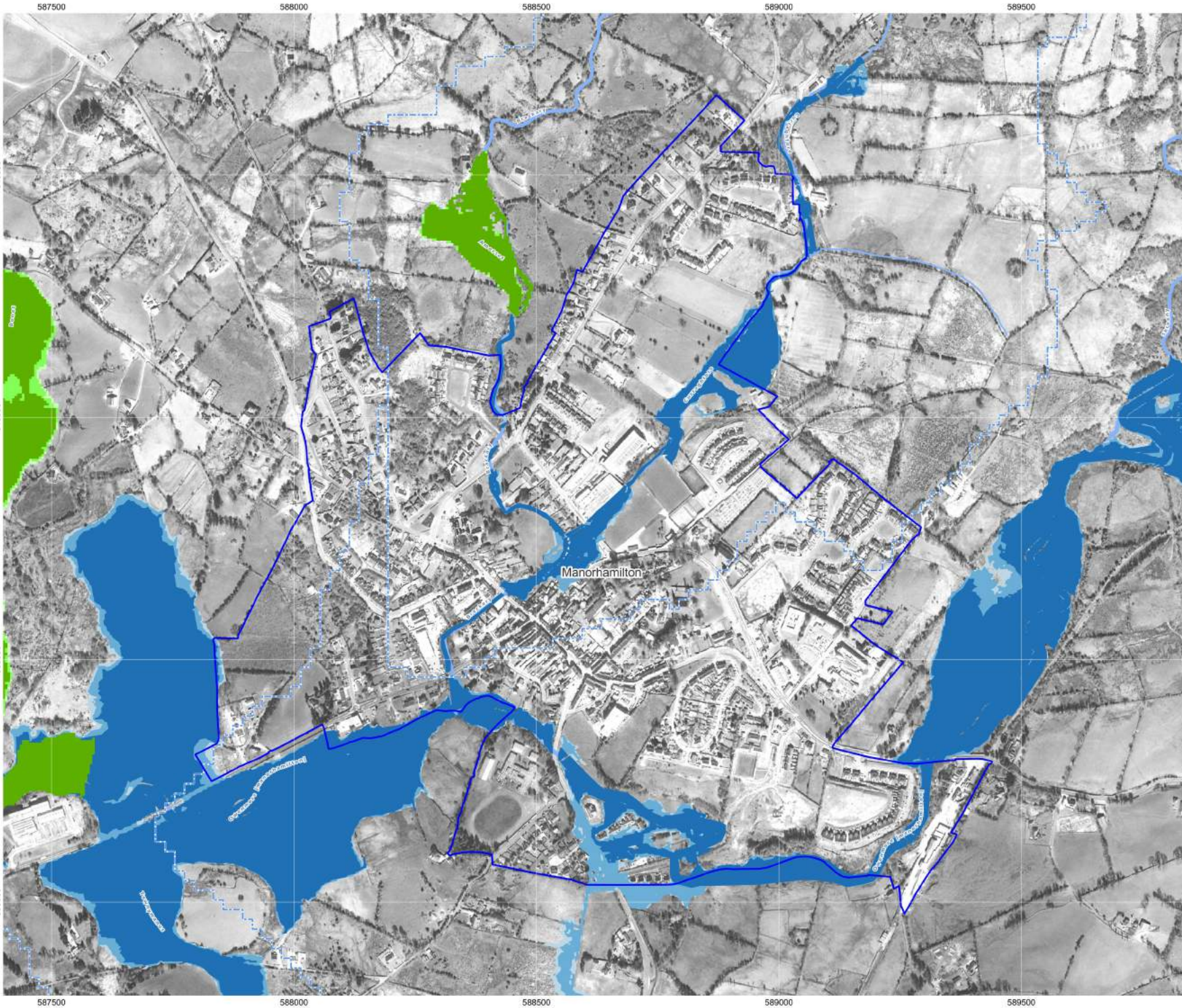
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- Fluvial 0.1% AEP
- Coastal 10% AEP
- Coastal 0.5% AEP
- Coastal 0.1% AEP

NIFM Present Day

- Fluvial 5% AEP
- Fluvial 1% AEP
- Fluvial 0.1% AEP



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Manorhamilton
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& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

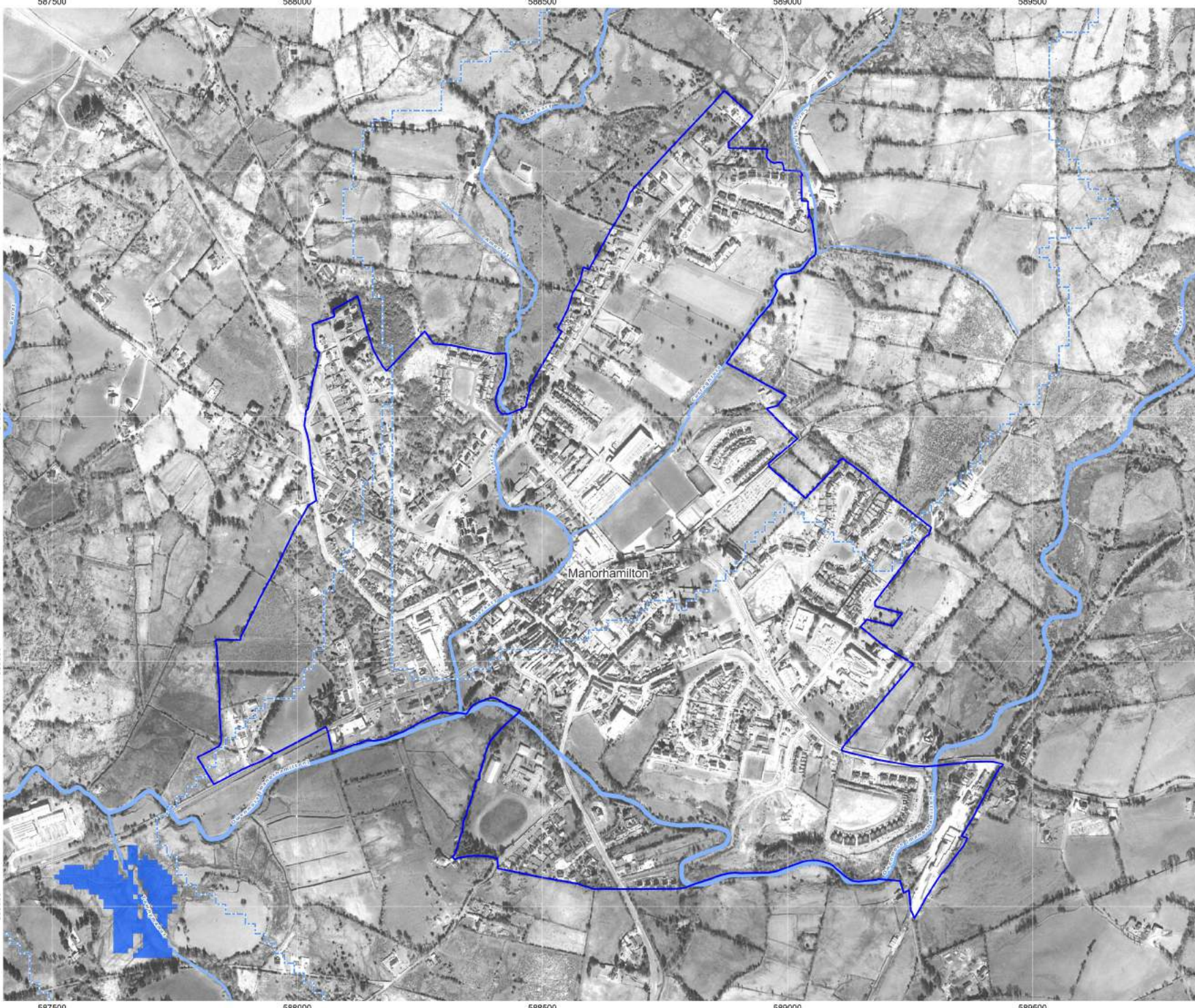
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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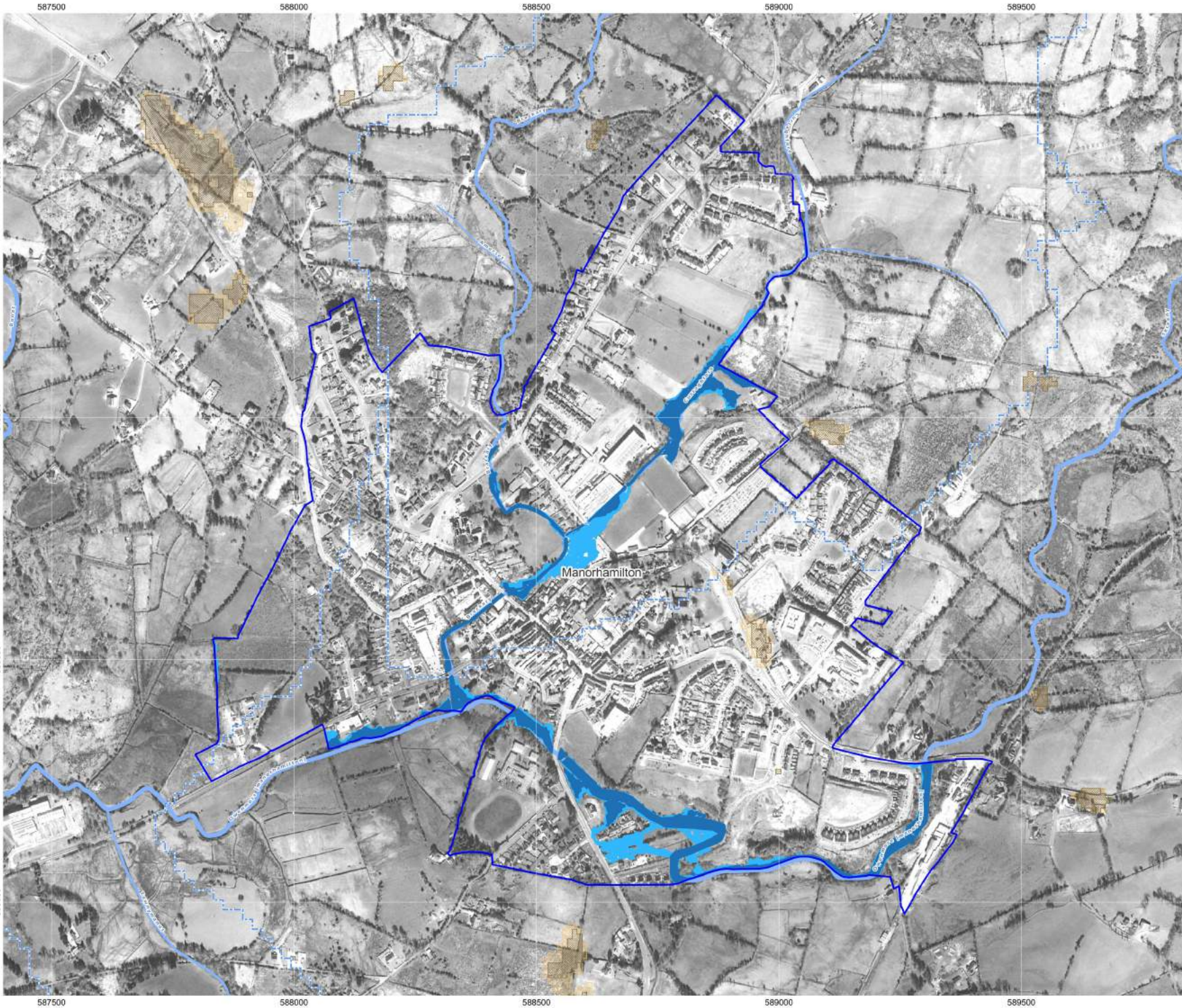
County Leitrim Development Plan 2022-2028

Manorhamilton GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low 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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Manorhamilton Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### Indicative Flood Zones
- Flood Zone A
 - Flood Zone B

- ### PFRA
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability



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Mohill 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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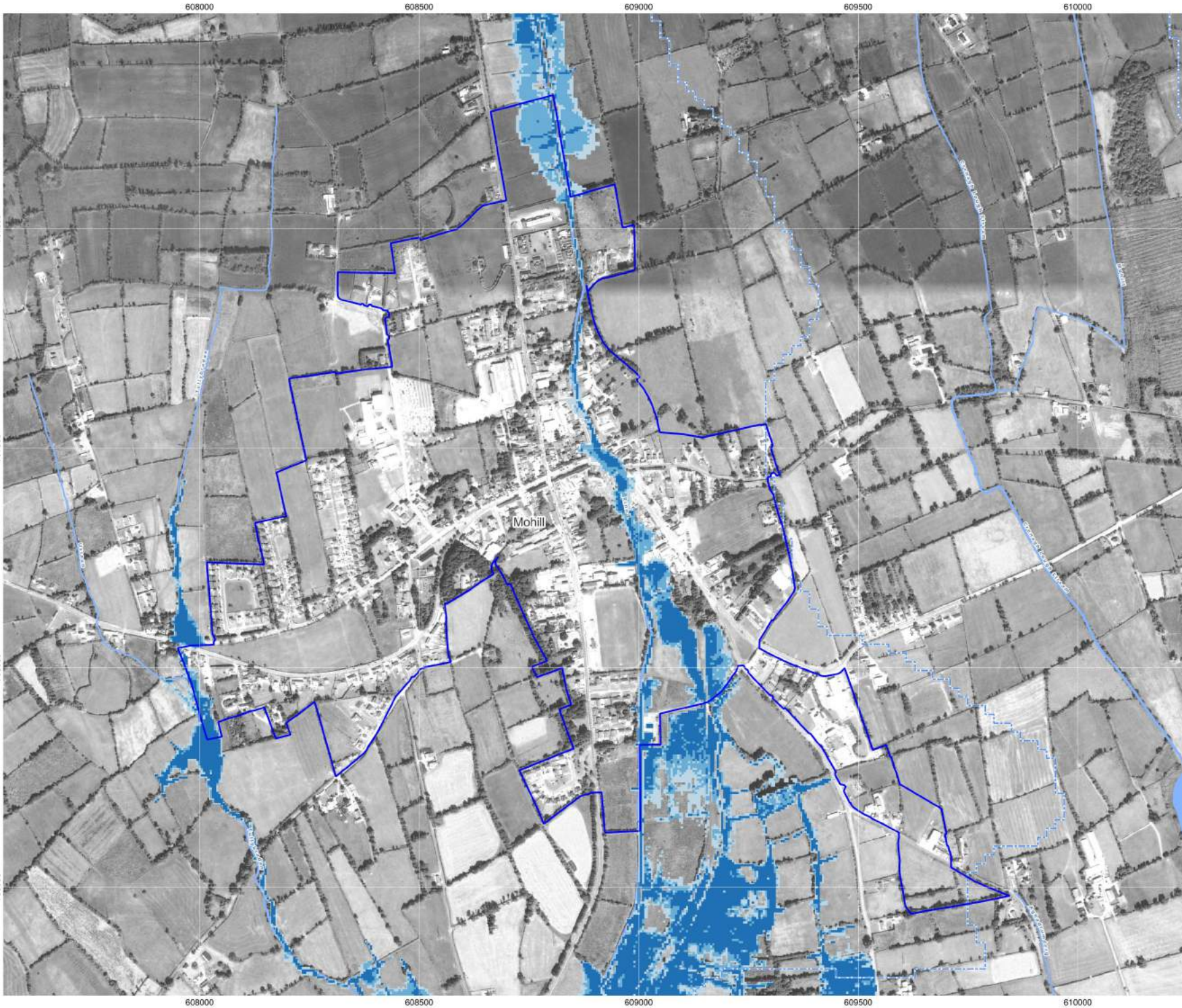
County Leitrim Development Plan 2022-2028

Mohill 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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

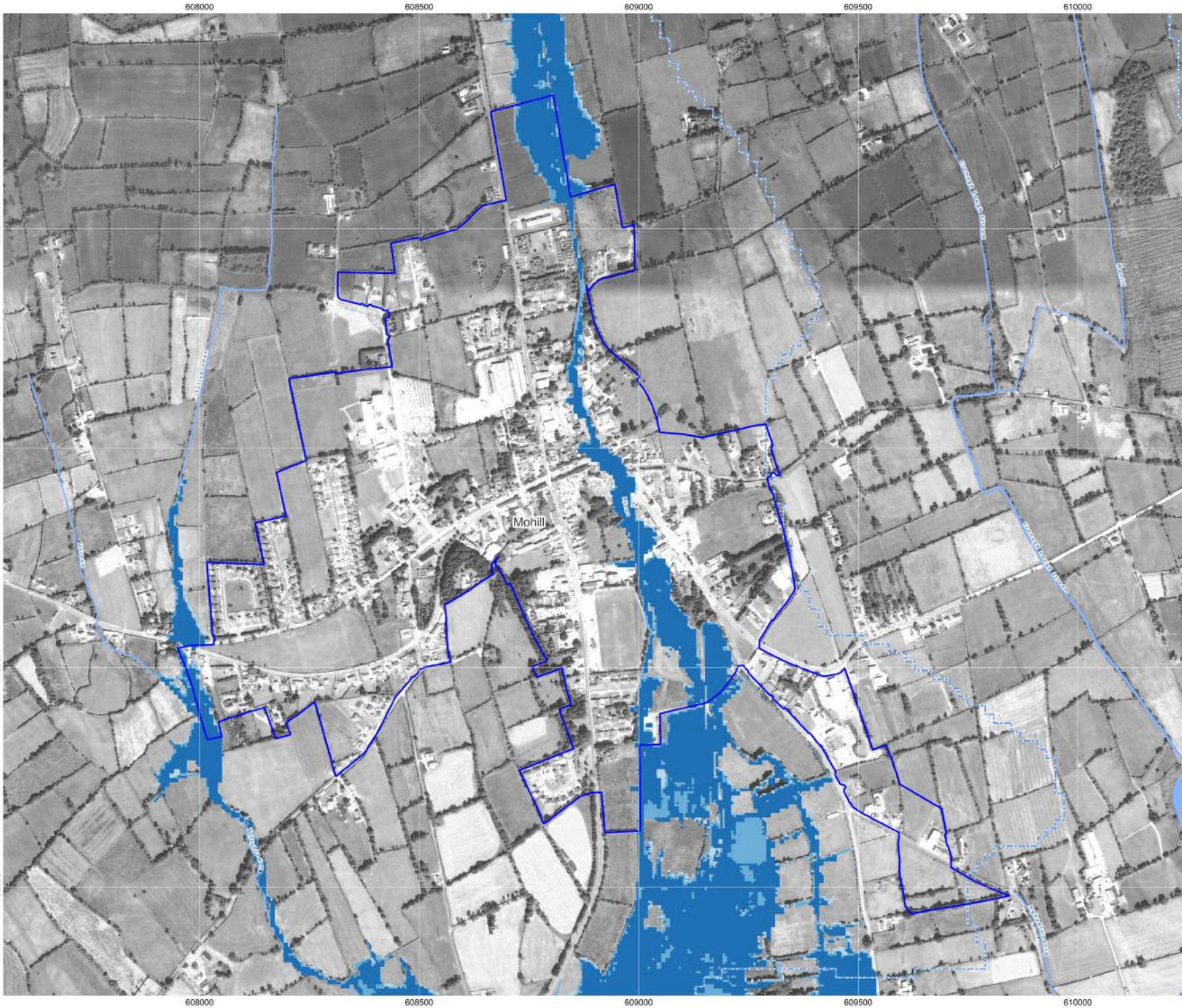
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM Present Day**
- Fluvial 10% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Coastal 10% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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Mohill
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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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Mohill GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low 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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County Leitrim Development Plan 2022-2028

Mohill Indicative Flood Zones

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- Indicative Flood Zones**
- Flood Zone A
 - Flood Zone B
- PFRA**
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low Probability






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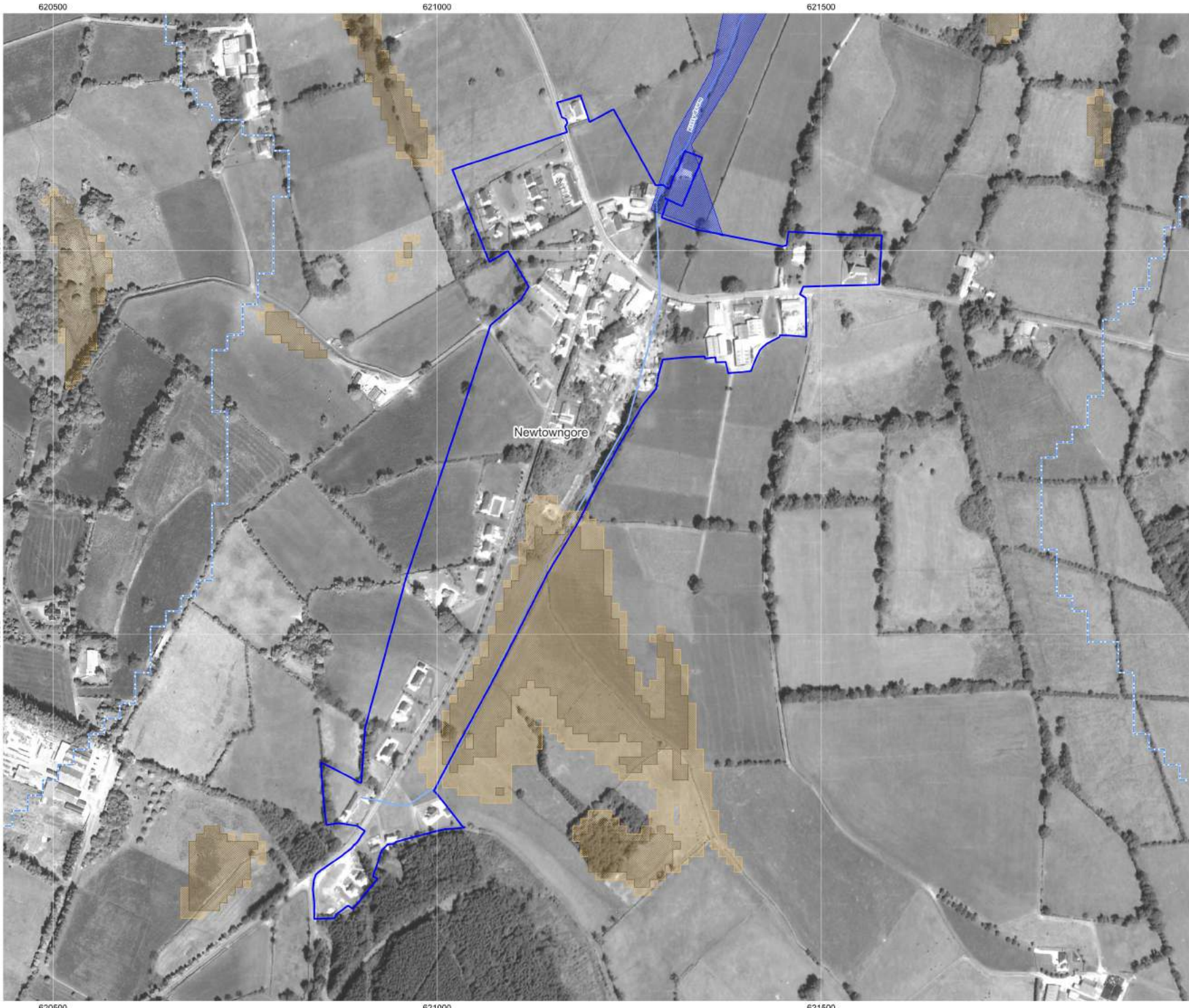
County Leitrim Development Plan 2022-2028

Newtowngore 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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Newtowngore 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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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Newtowngore
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 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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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 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 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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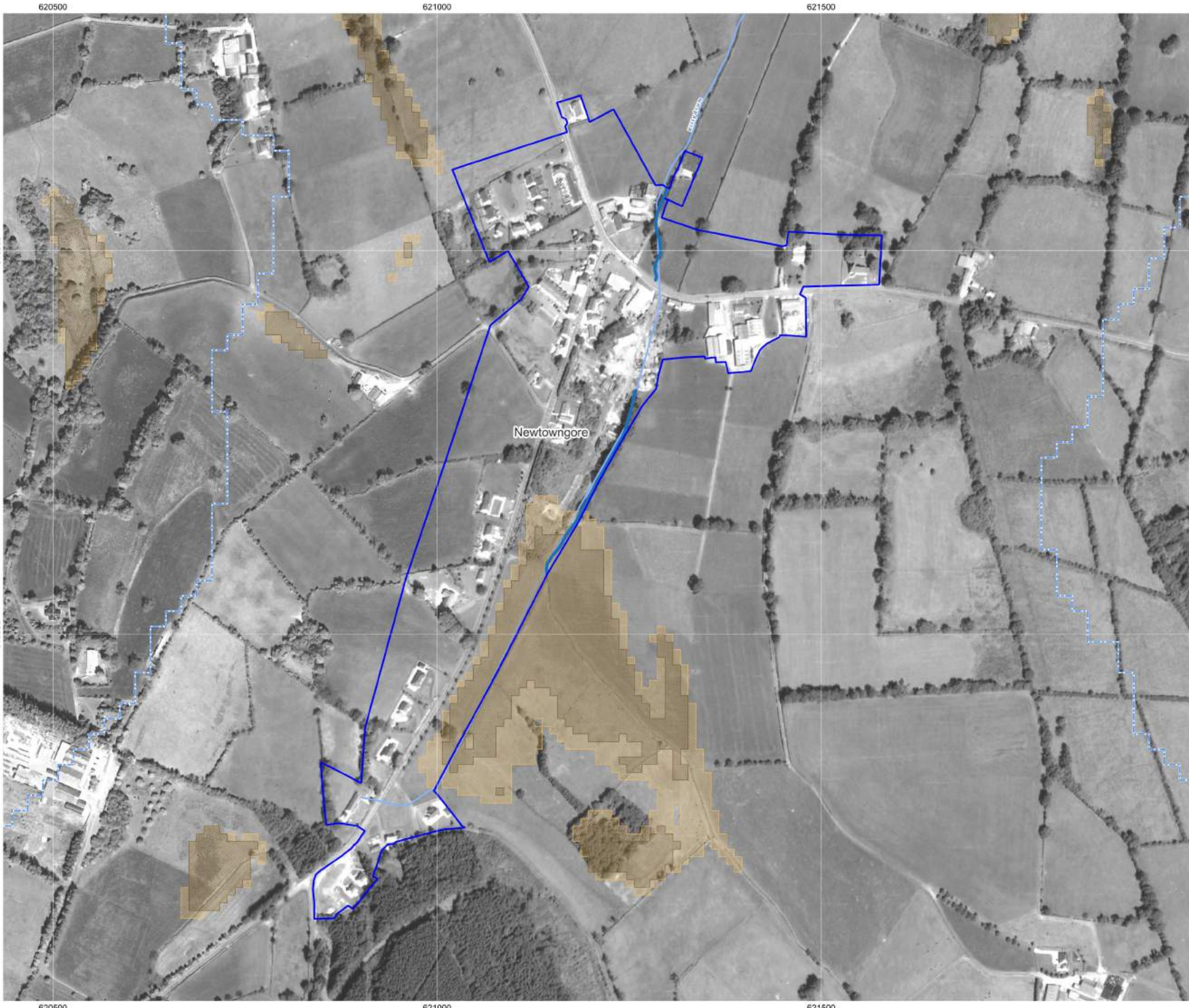
County Leitrim Development Plan 2022-2028

Newtowngore GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
 - WFD River Sub-Basins
 - Water
 - River or Stream
- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Newtowngore Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### Indicative Flood Zones
- Flood Zone A
 - Flood Zone B

- ### PFRA
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability






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Roosky 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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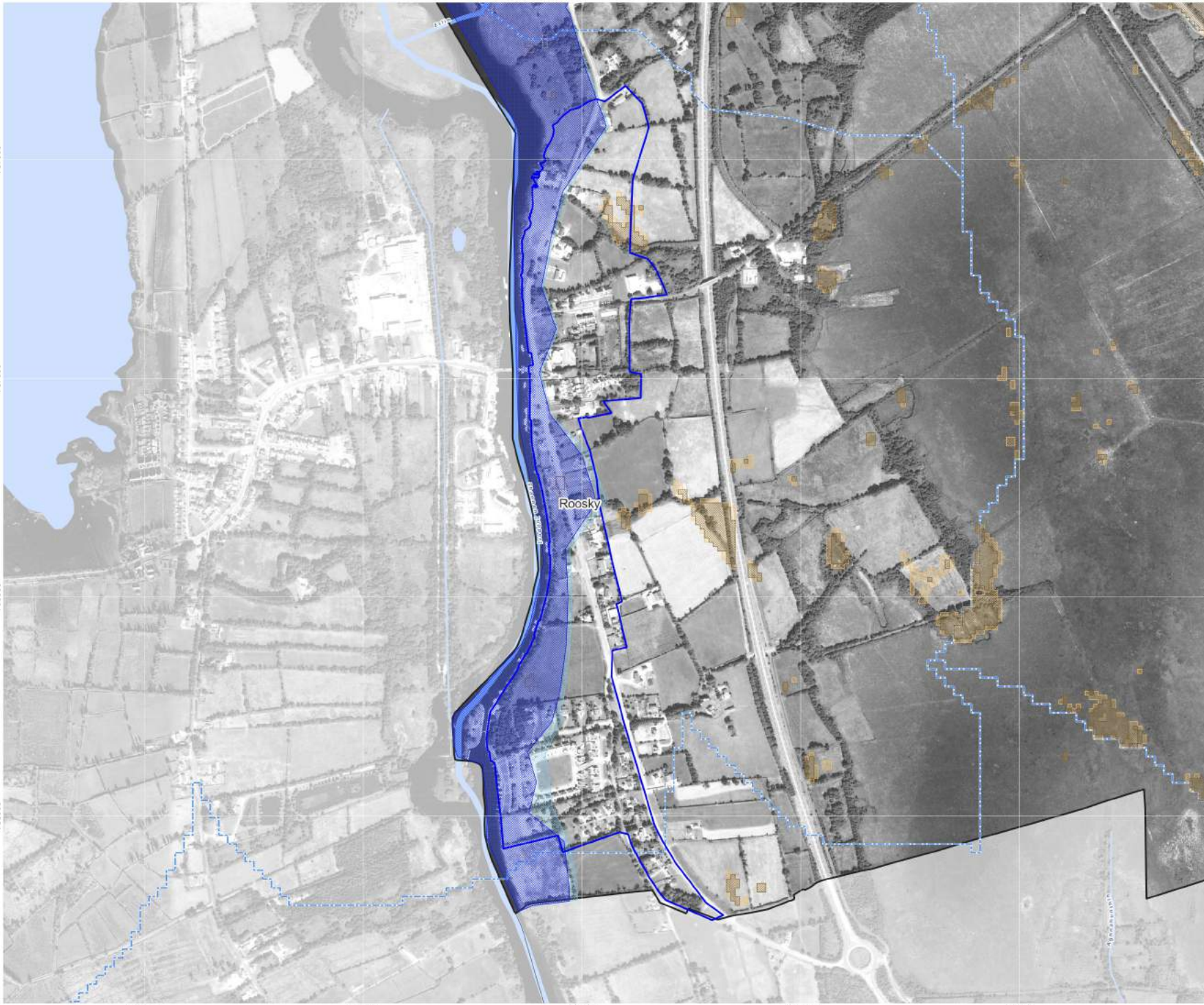
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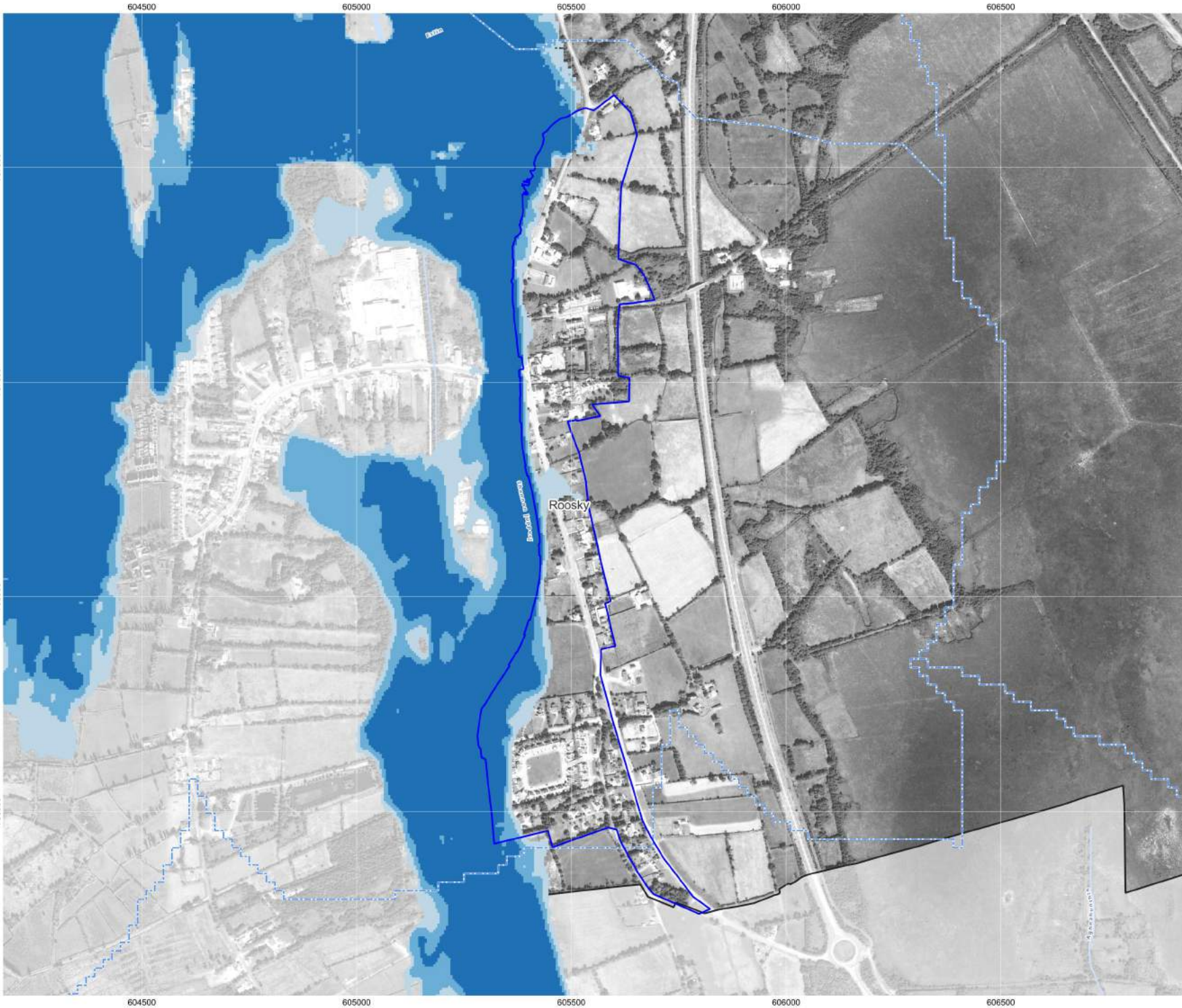
County Leitrim Development Plan 2022-2028

Roosky 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 0.5% AEP
- Coastal 0.1% AEP
- Groundwater



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Roosky
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 0.5% AEP
 - Coastal 0.1% AEP
- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP




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Roosky
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& OPW National
Indicative Fluvial
Mapping (NIFM)
All Scenarios

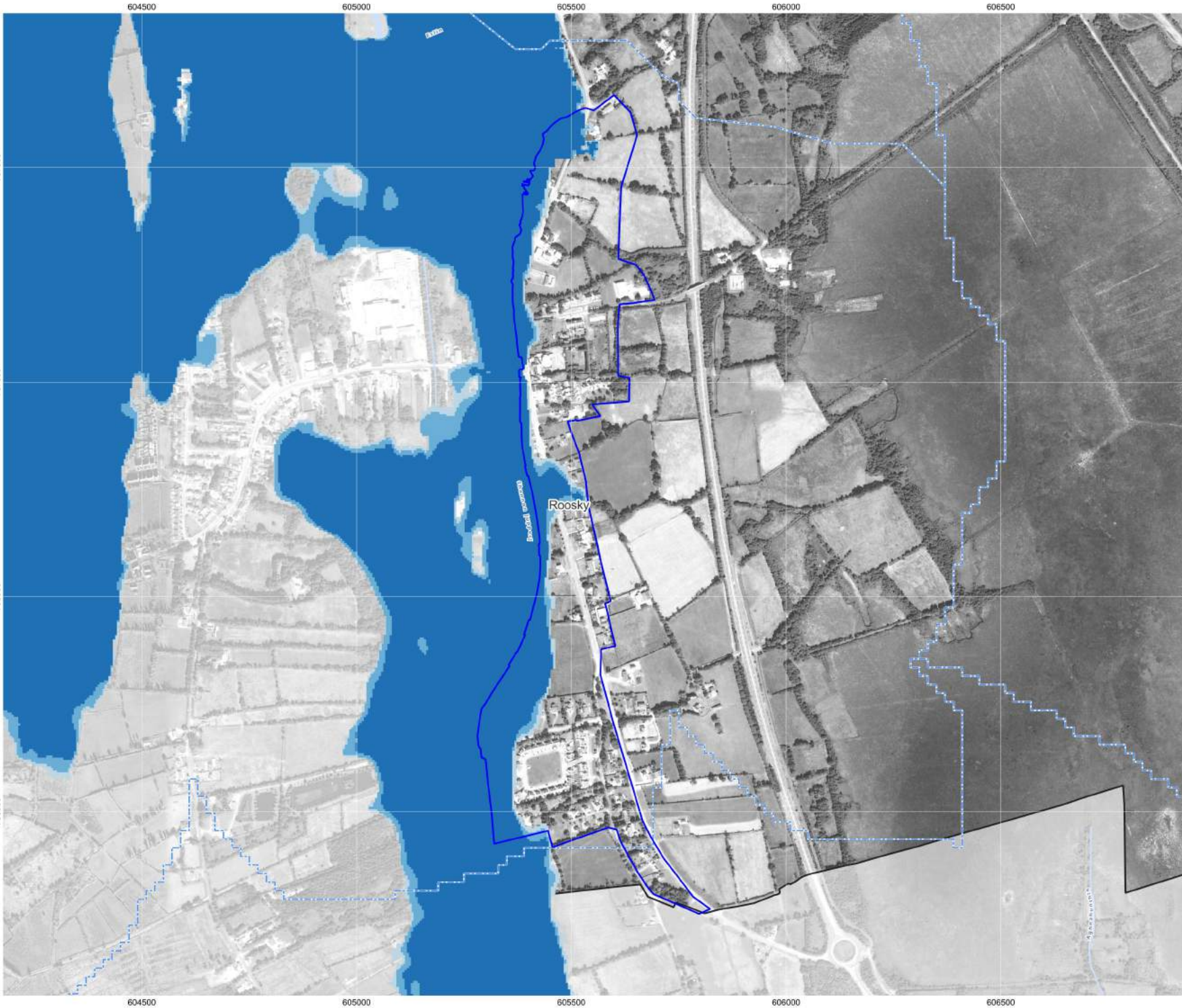
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-  WFD River Sub-Basins
-  Water
-  River or Stream

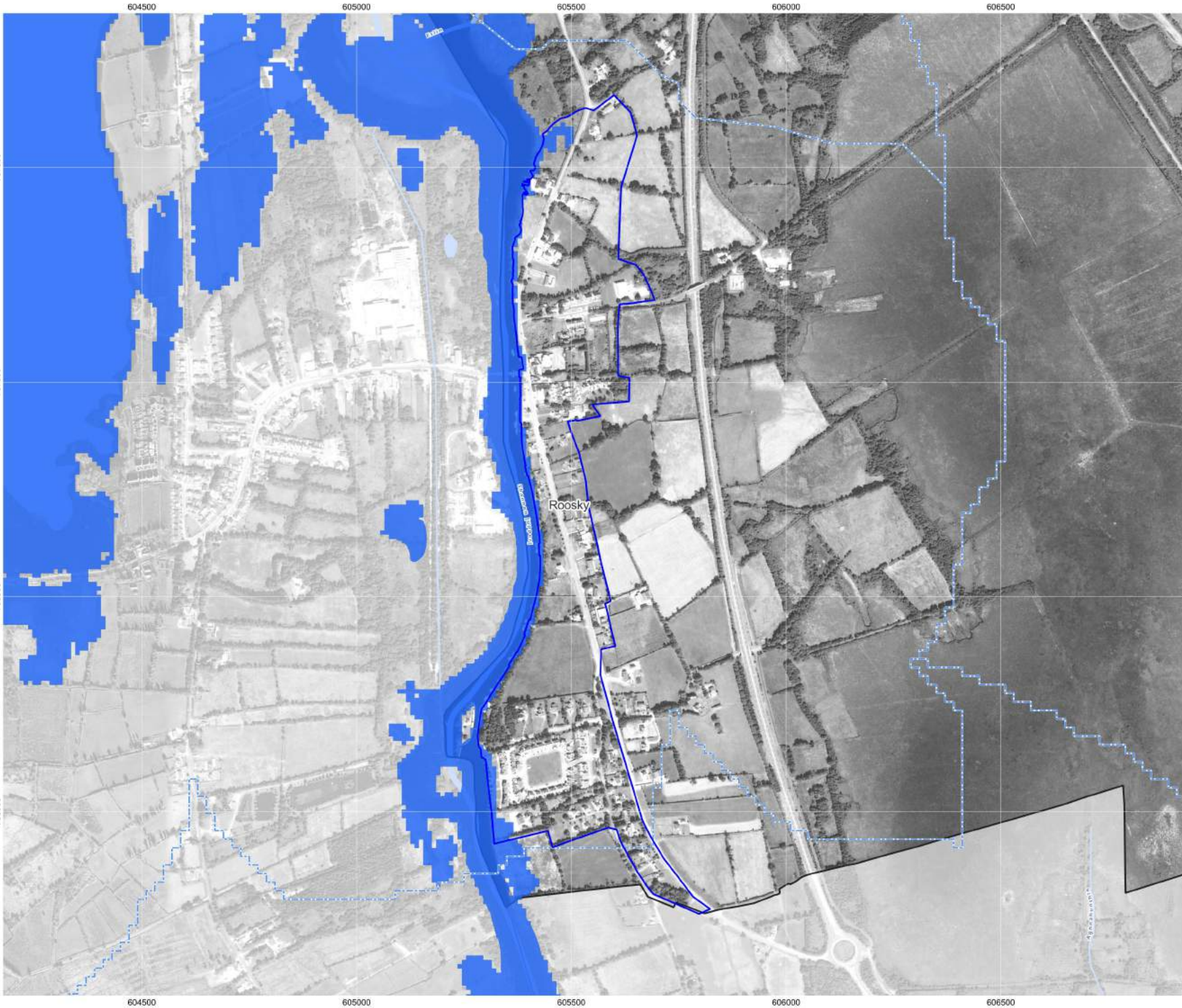
- CFRAM All Scenarios**
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 -  Fluvial Mid-Range Future Scenario 0.1% AEP
 -  Fluvial High-End Future Scenario 0.1% AEP
 -  Coastal Present Day Scenario 0.1% AEP
 -  Coastal Mid-Range Future Scenario 0.1% AEP
 -  Coastal High-End Future Scenario 0.1% AEP

- NIFM All Scenarios**
-  Fluvial Present Day Scenario 0.1% AEP
 -  Fluvial Mid-Range Future Scenario 0.1% AEP
 -  Fluvial High-End Future Scenario 0.1% AEP



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Roosky
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- GSI Groundwater Flooding Predictive Model**
- High Probability
 - Medium Probability
 - Low 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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County Leitrim Development Plan 2022-2028

Roosky Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- ### Indicative Flood Zones
- Flood Zone A
 - Flood Zone B

- ### PFRA
- Pluvial 1% AEP
 - Pluvial 0.1% AEP
 - Groundwater

- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability



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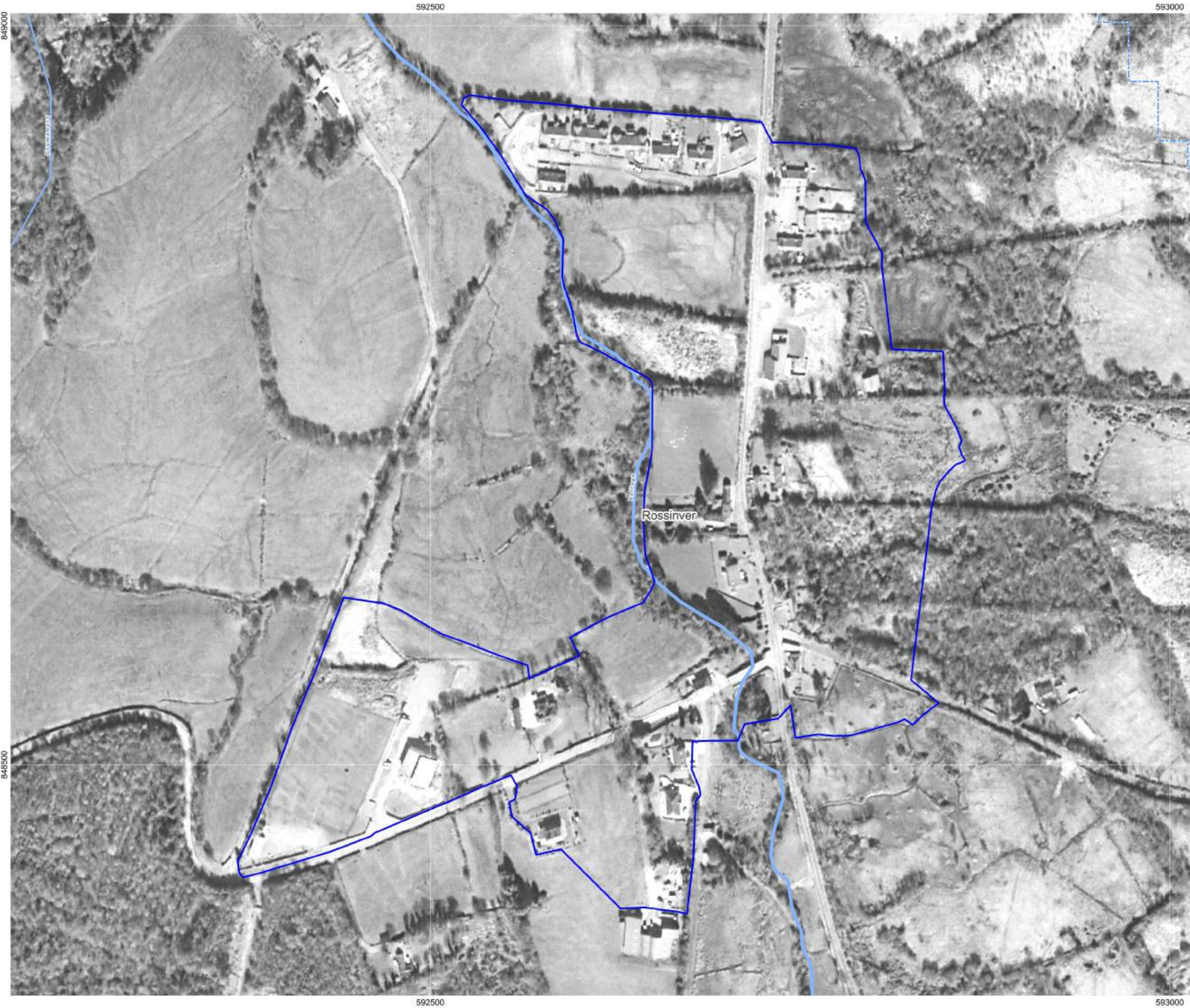
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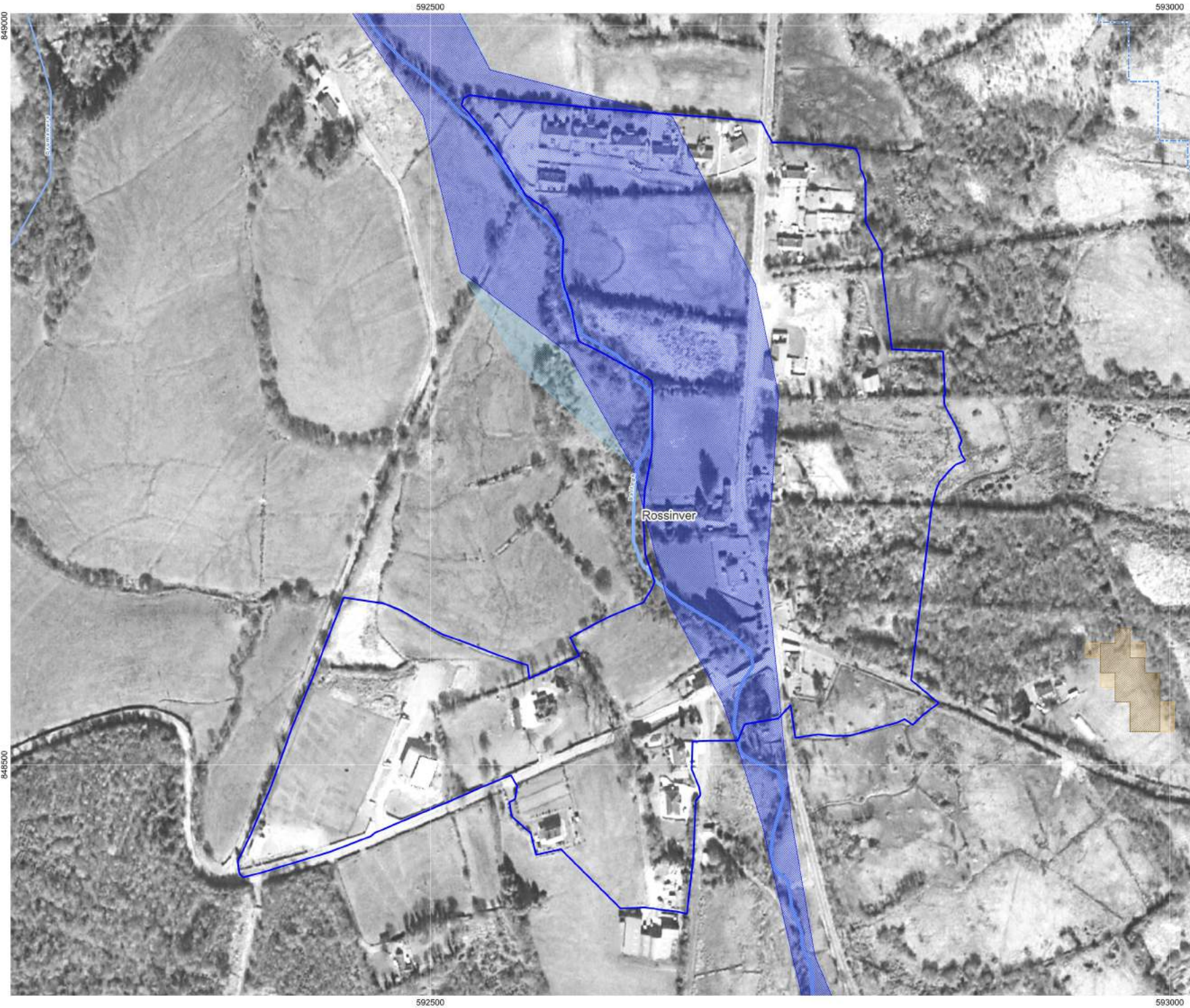
County Leitrim Development Plan 2022-2028

Rossinver 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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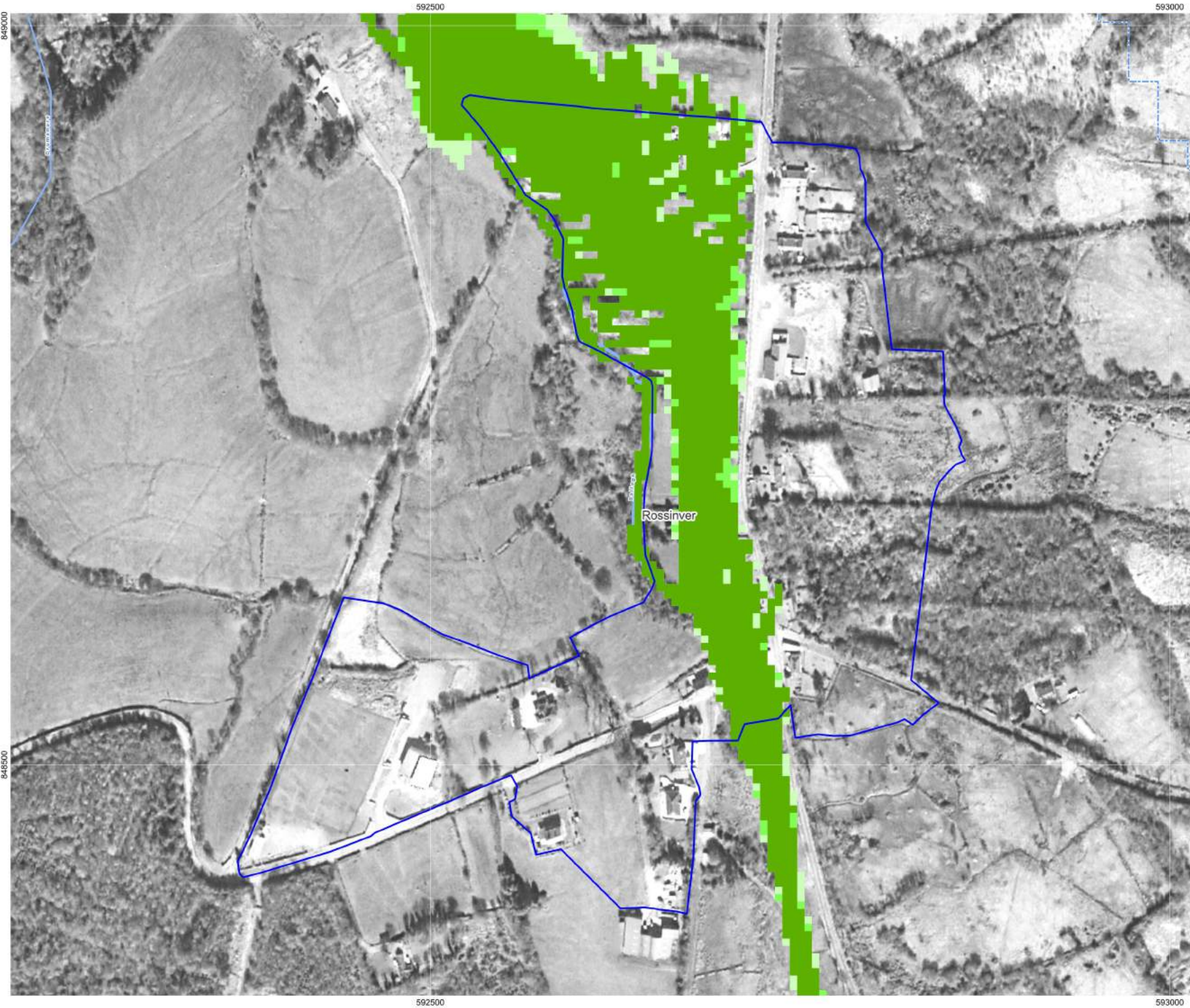
County Leitrim Development Plan 2022-2028

Rossinver
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 0.5% AEP
 - Coastal 0.1% AEP
 - Groundwater



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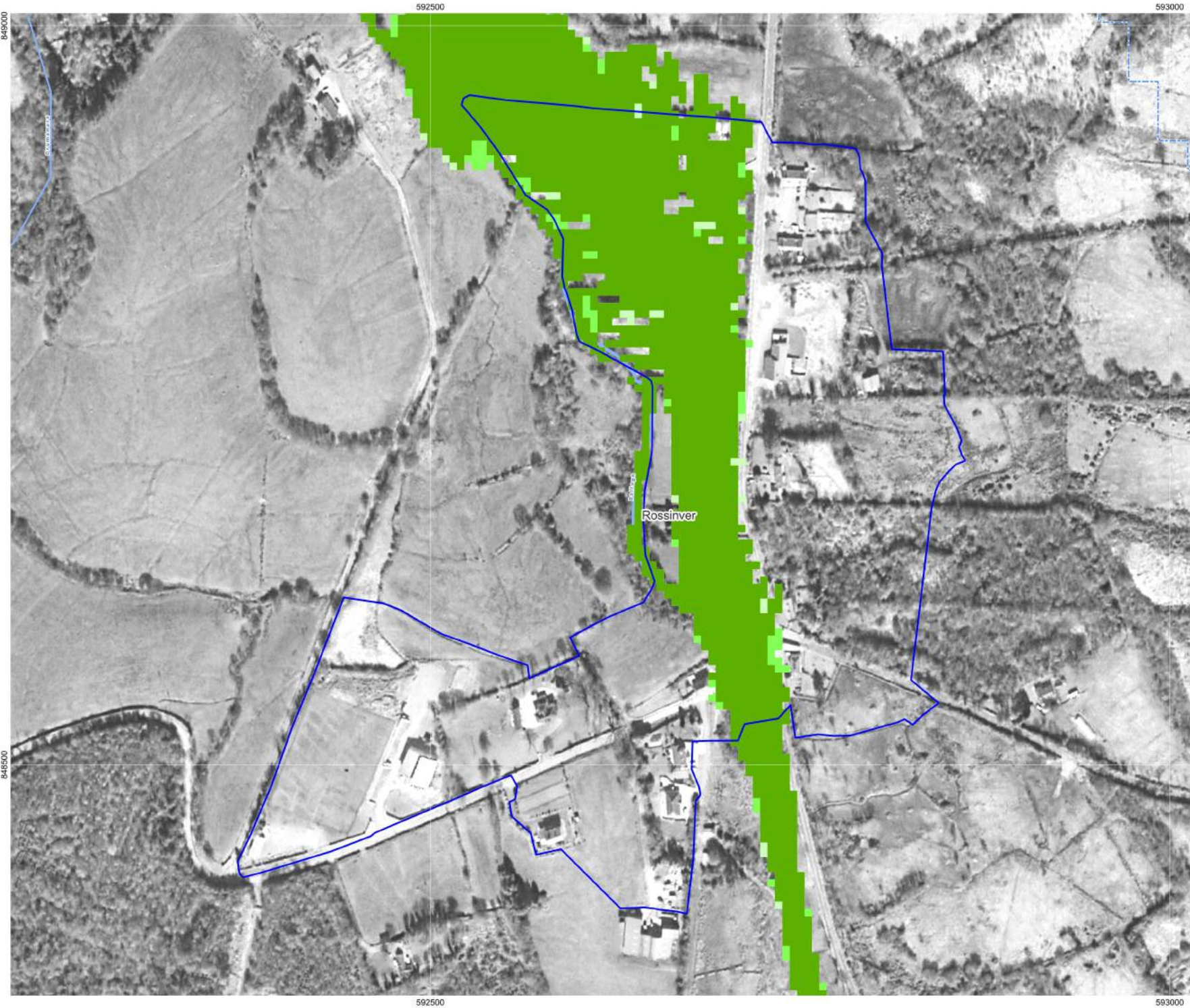
County Leitrim Development Plan 2022-2028

Rossinver
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 0.5% AEP
 - Coastal 0.1% AEP
- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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

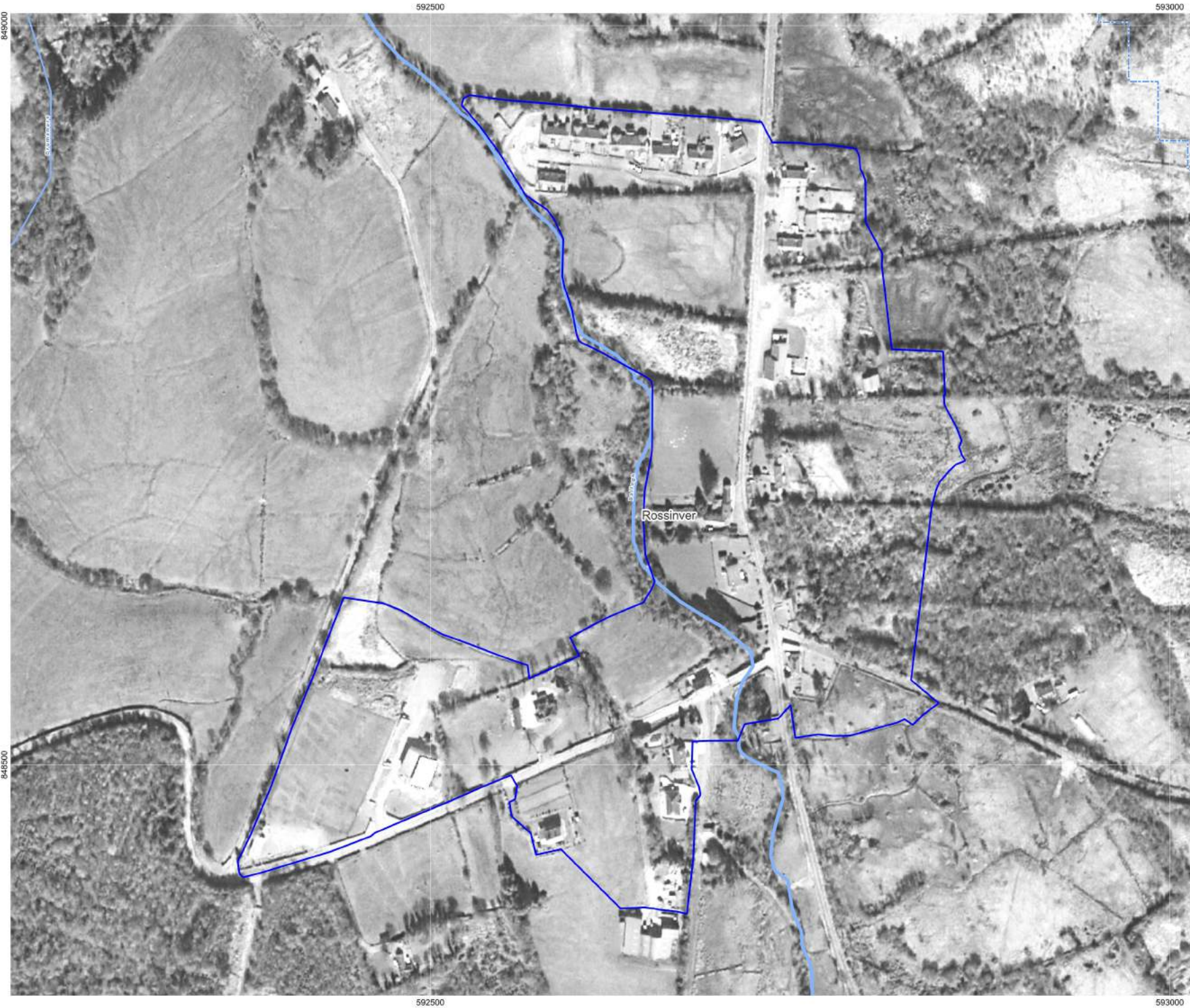
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- 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 0.1% AEP
 - Fluvial Mid-Range Future Scenario 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Rossinver
GSI Historical Flood Data
and Groundwater
Flooding Predictive
Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low 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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County Leitrim Development Plan 2022-2028

Rossinver Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

Indicative Flood Zones

- Flood Zone A
- Flood Zone B

PFRA

- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater

GSI Groundwater Flooding Predictive Model

- High Probability
- Medium Probability
- Low Probability



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County Leitrim Development Plan 2022-2028

Tullaghan 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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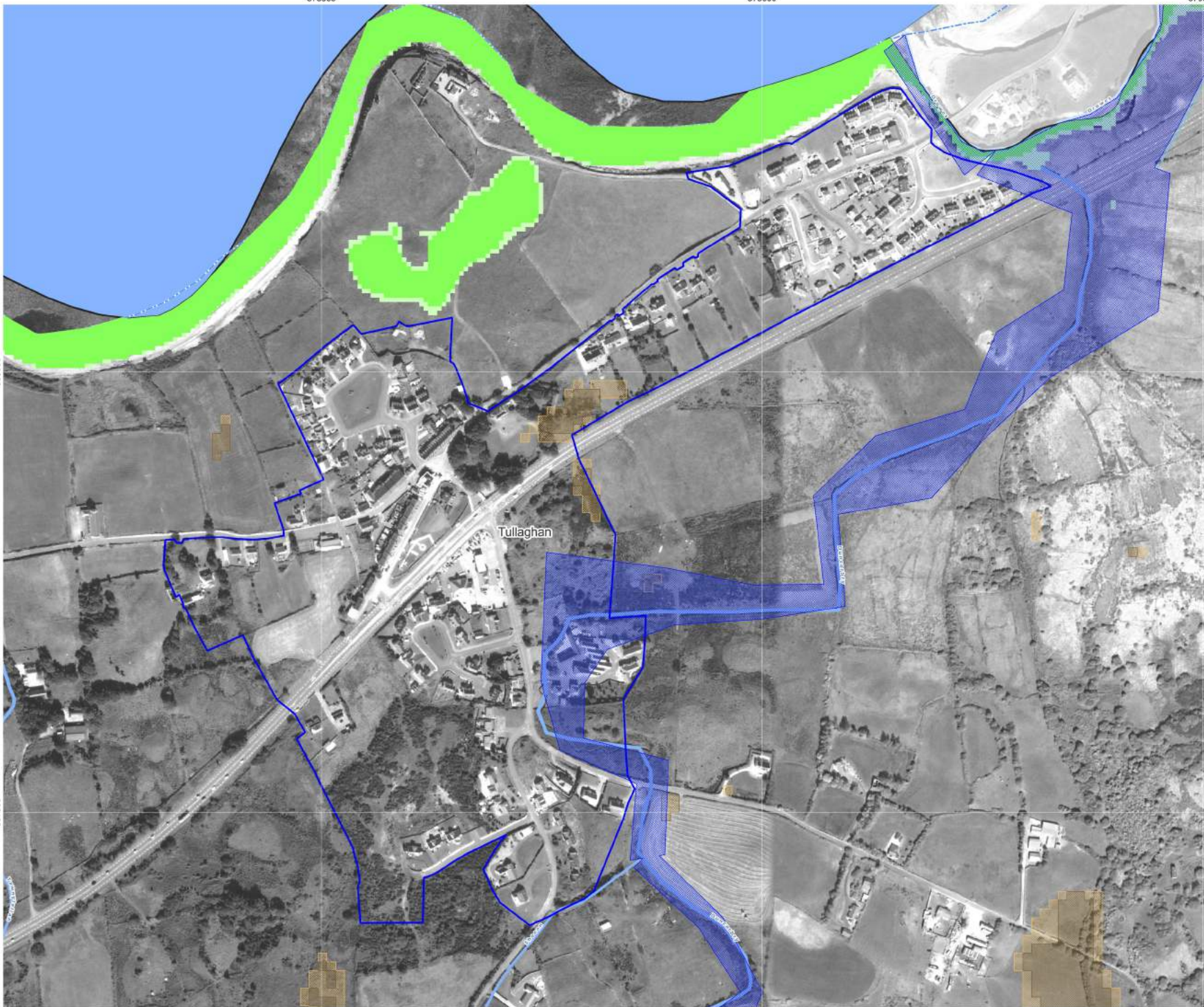
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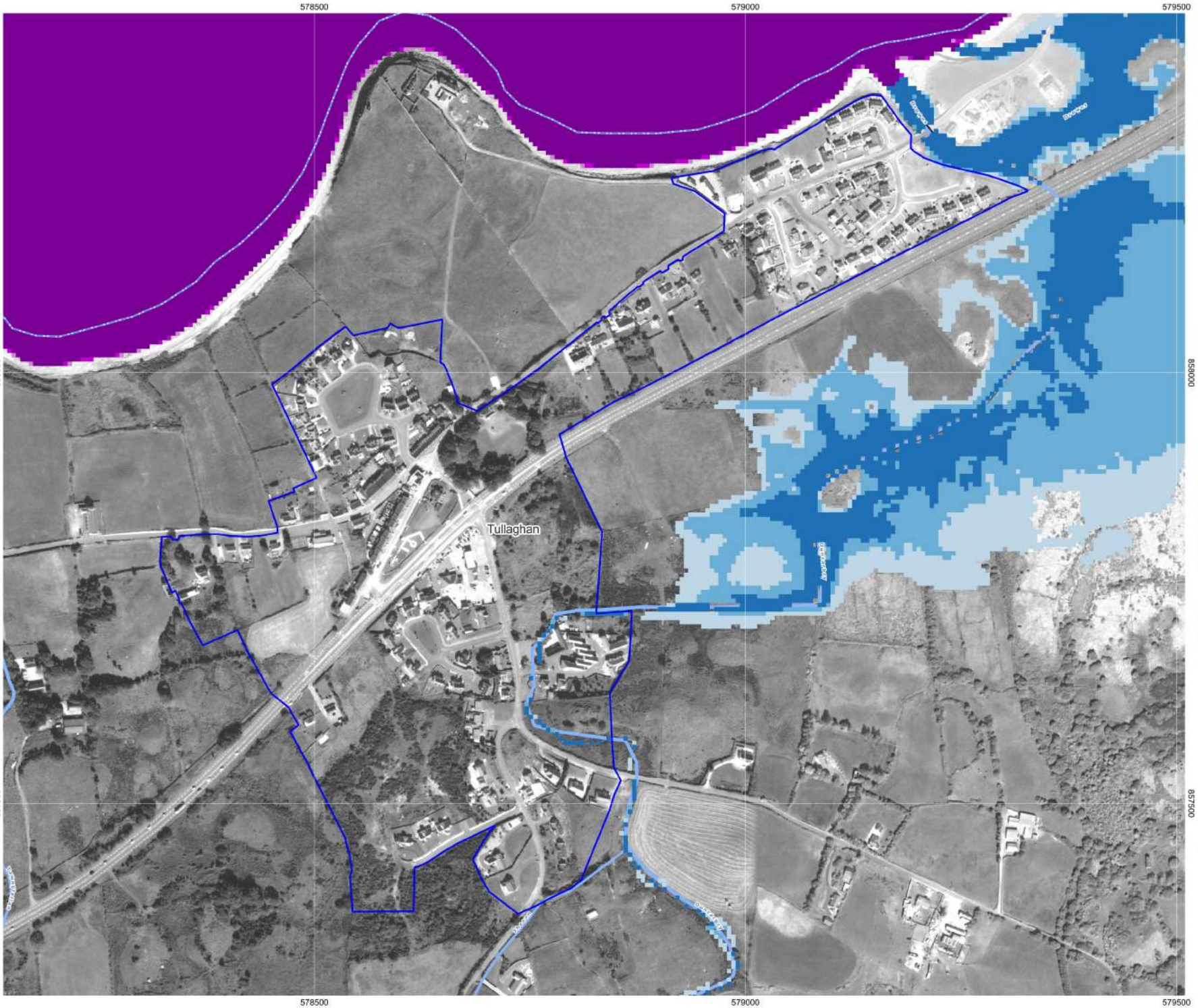
County Leitrim Development Plan 2022-2028

Tullaghan 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 0.5% AEP
- Coastal 0.1% AEP
- Groundwater



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

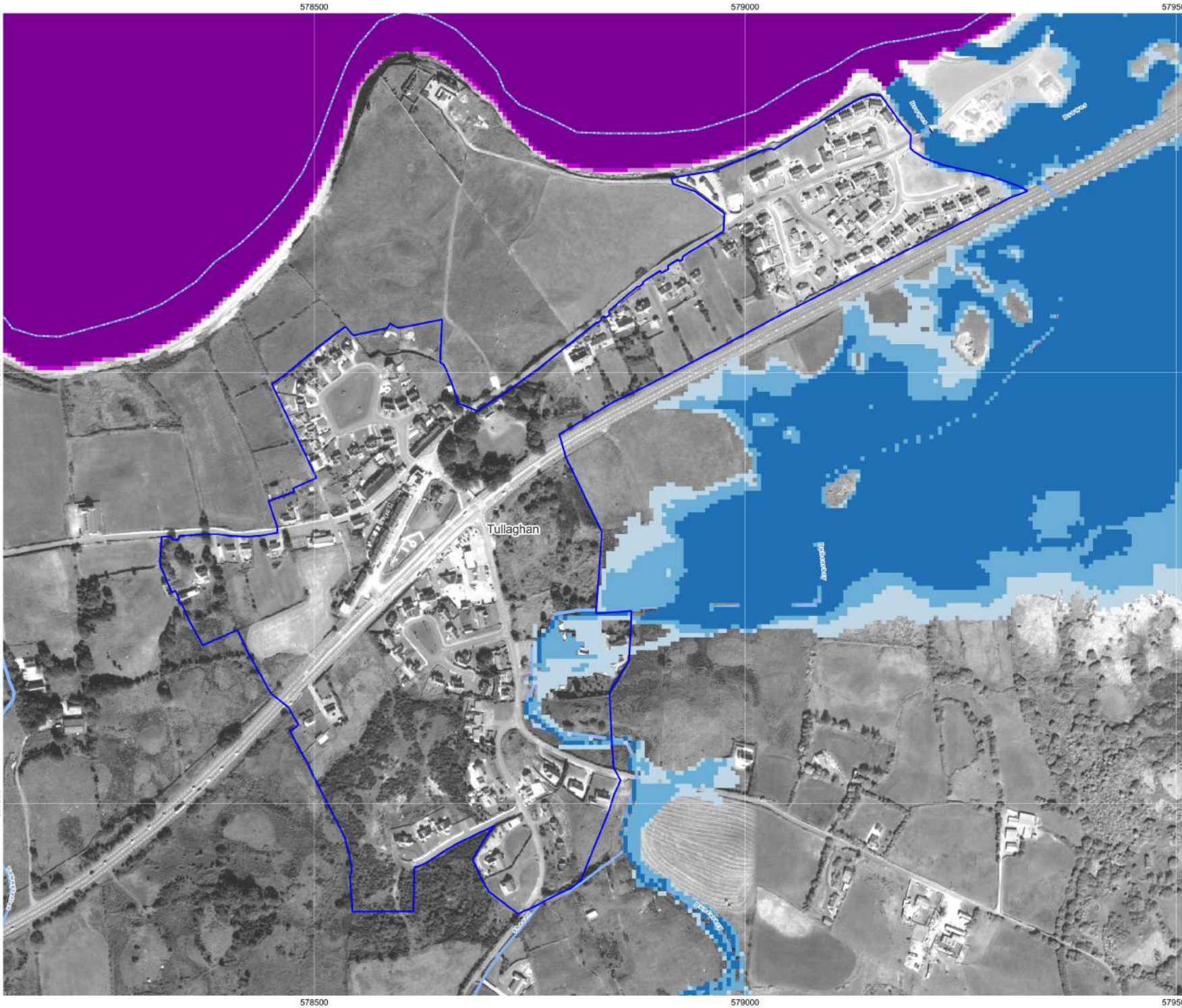
- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

- CFRAM Present Day**
- Fluvial 10% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP
 - Coastal 10% AEP
 - Coastal 0.5% AEP
 - Coastal 0.1% AEP

- NIFM Present Day**
- Fluvial 5% AEP
 - Fluvial 1% AEP
 - Fluvial 0.1% AEP



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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 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 0.1% AEP
 - Fluvial High-End Future Scenario 0.1% AEP



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County Leitrim Development Plan 2022-2028

Tullaghan GSI Historical Flood Data and Groundwater Flooding Predictive Modeling

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream

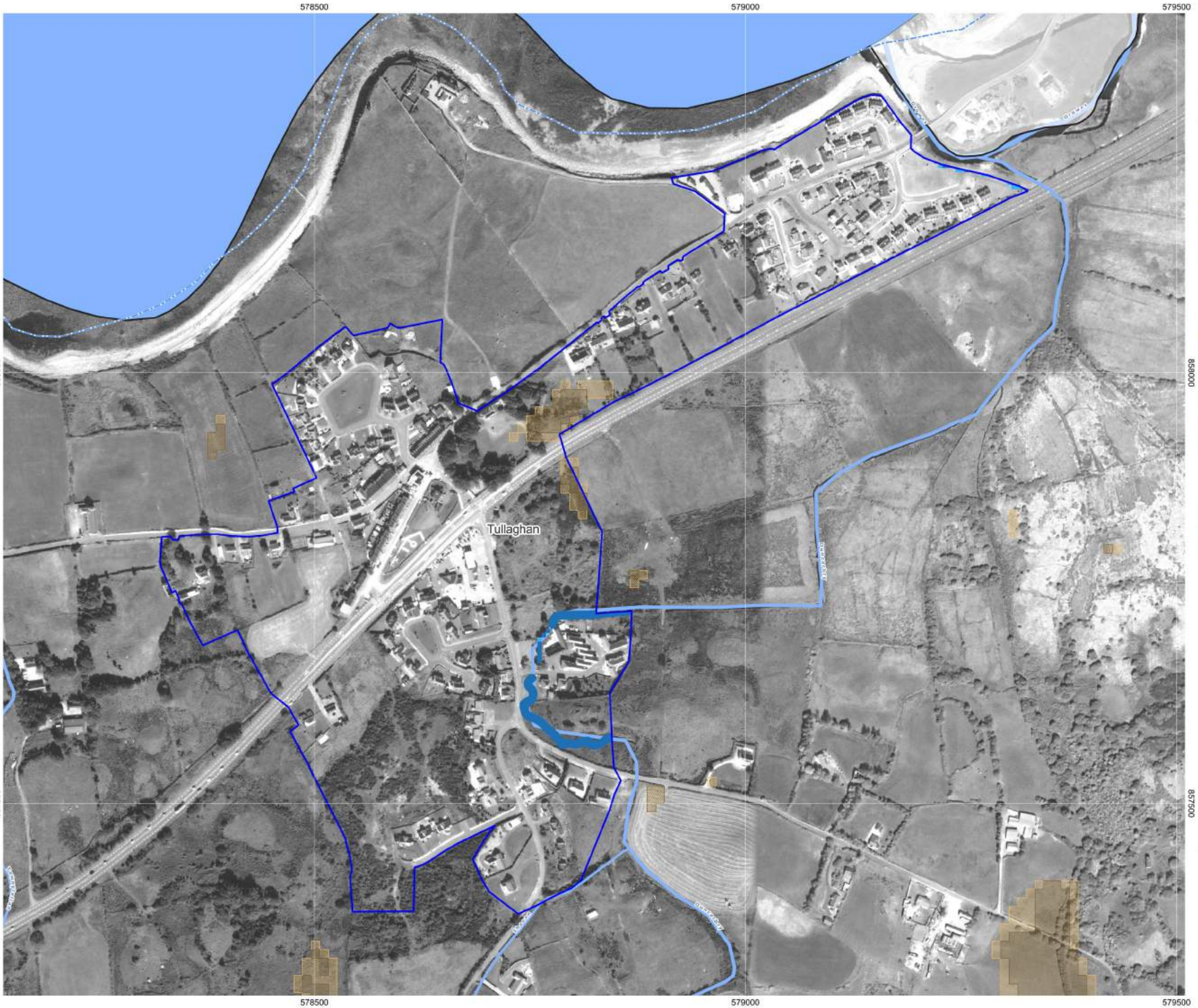
- ### GSI Groundwater Flooding Predictive Model
- High Probability
 - Medium Probability
 - Low Probability

- ### 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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County Leitrim Development Plan 2022-2028

Tullaghan Indicative Flood Zones

- Plan Boundary
- WFD River Sub-Basins
- Water
- River or Stream
- Indicative Flood Zones**
- Flood Zone A
- Flood Zone B
- PFRA**
- Pluvial 1% AEP
- Pluvial 0.1% AEP
- Groundwater
- GSI Groundwater Flooding Predictive Model**
- High Probability
- Medium Probability
- Low Probability



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