

Legend*

- Planning Application Boundary
- Existing Poleset (14)
- Proposed Polesets/Towers to be Replaced (2)
- Haul Roads
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBP - drains)
- Study Area
- Marsh Fritillary Study Area
- Badger Data**
- Badger Activity 2018
- Potential Marsh Fritillary Data**
- Devils Bit Scabious 2018

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Jacobs **TOBIN**

Client

Uisce Éireann **Tionscadal Soláthair Uisce**
Irish Water Water Supply Project

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.109
Protected Fauna
Sheet 1 of 104

Drawing Status

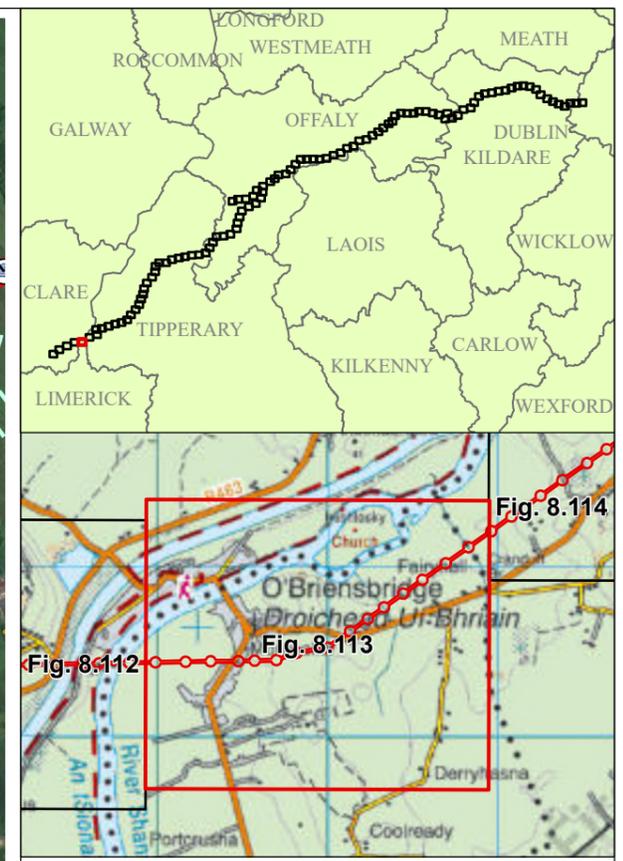
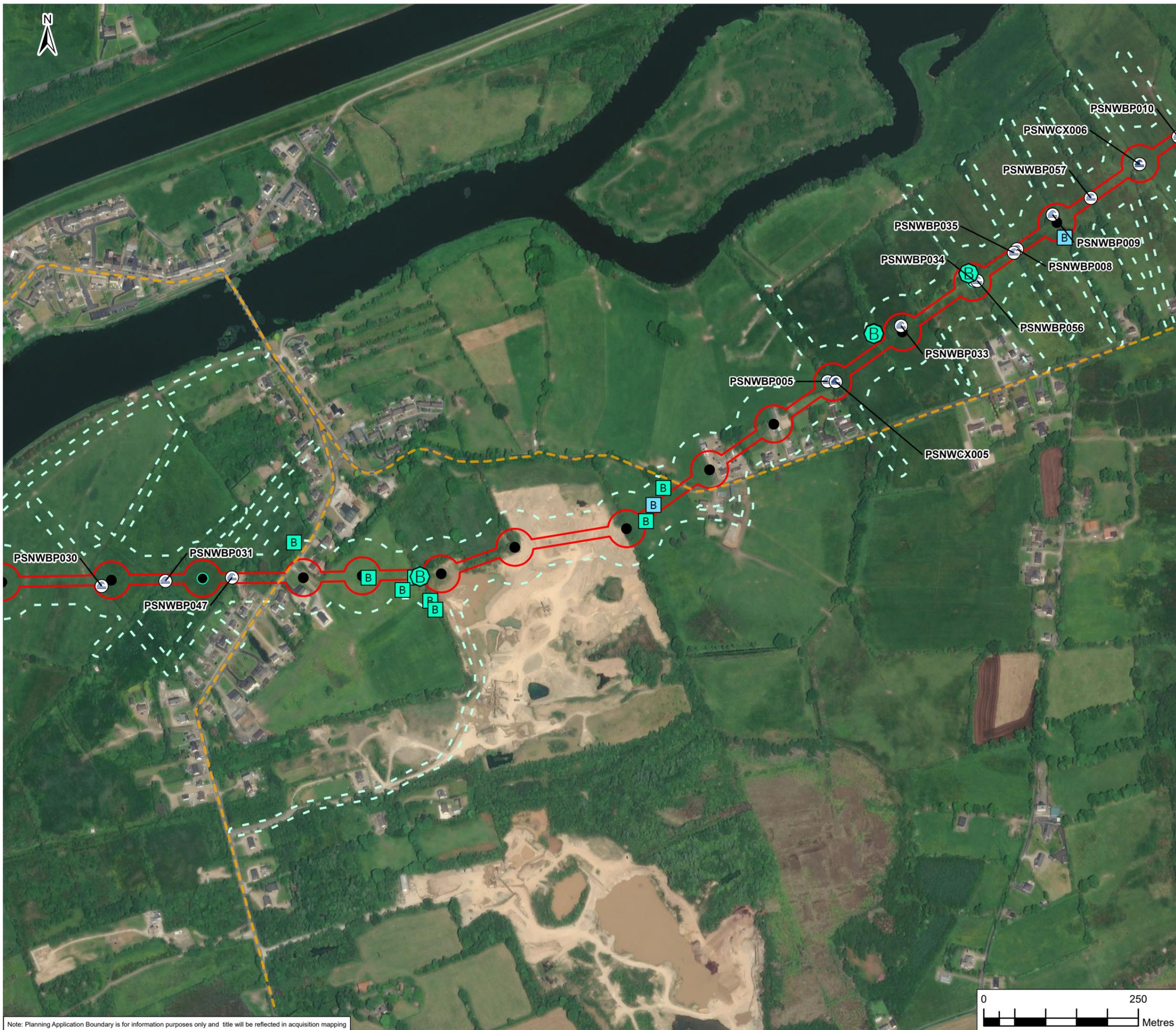
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Existing Poleset (15)
- Proposed Polesets/Towers to be Replaced (2)
- Haul Roads
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBP - drains)
- Study Area
- Badger Data**
- Badger Setts 2021
- Badger Setts 2024
- Badger Activity 2018
- Badger Activity 2024

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.113
Protected Fauna
Sheet 5 of 104

Drawing Status

Final - Planning Application

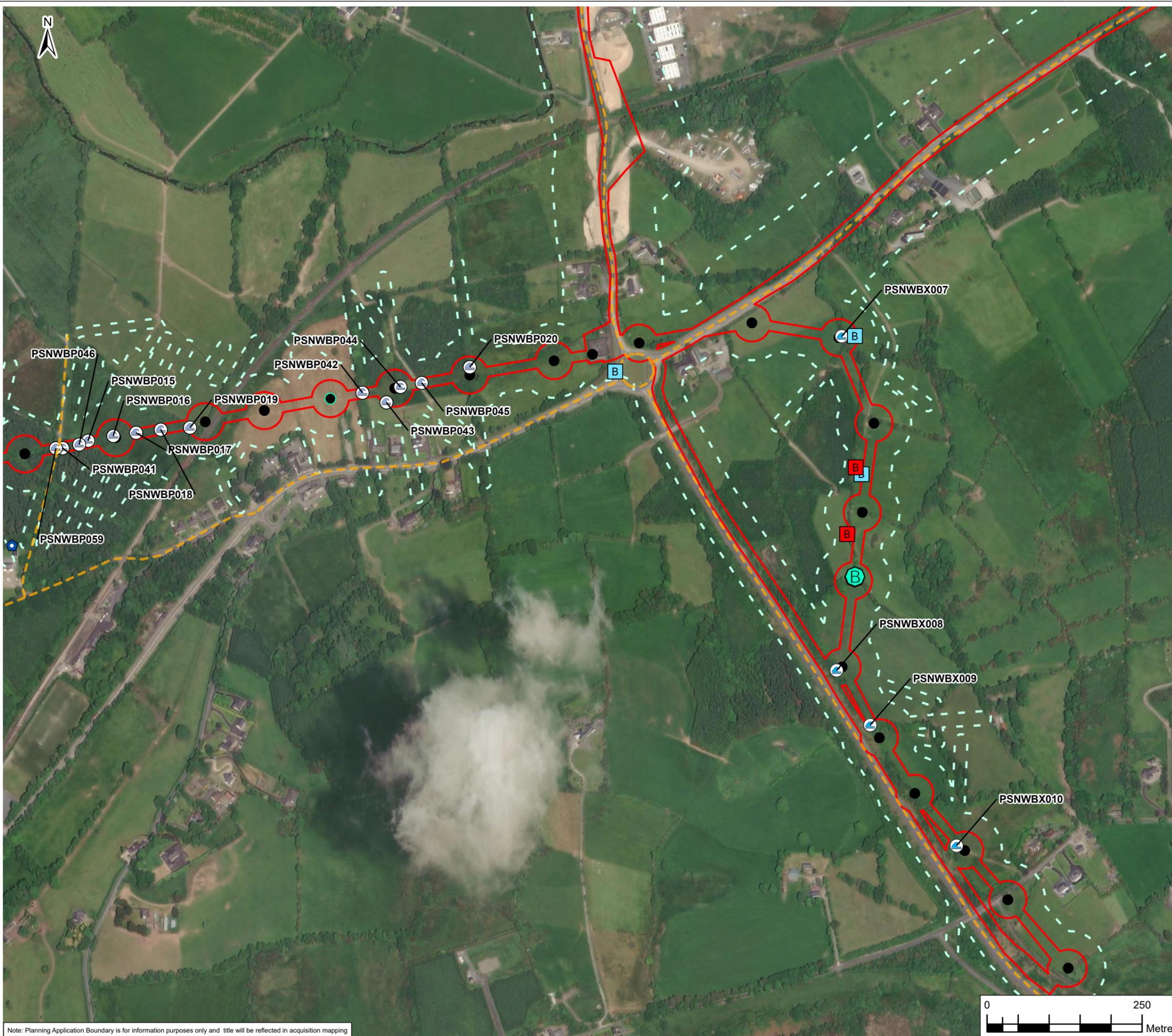
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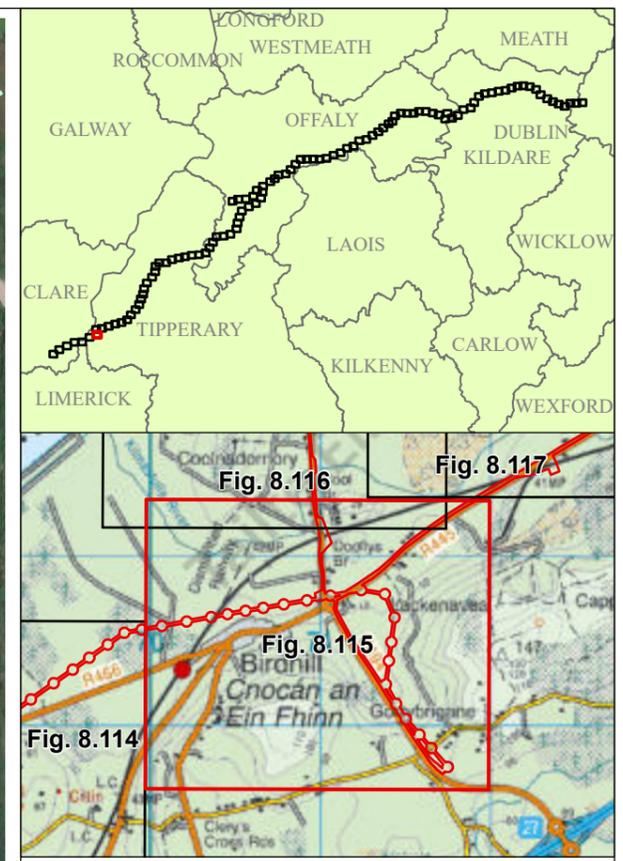
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Study Area
- Existing Poleset (21)
- Proposed Polesets/Towers to be Replaced (1)
- Haul Roads
- Watercourse Crossing (WBX - streams)
- Watercourse Crossing (WBP - drains)
- Badger Setts 2021
- Badger Setts 2024
- Badger Activity 2018
- Badger Activity 2021
- Other Mammal Data
- Red Squirrel 2025

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage **Where data overlaps, the most recent record is illustrated on the figure*

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs

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Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.115
Protected Fauna
Sheet 7 of 104

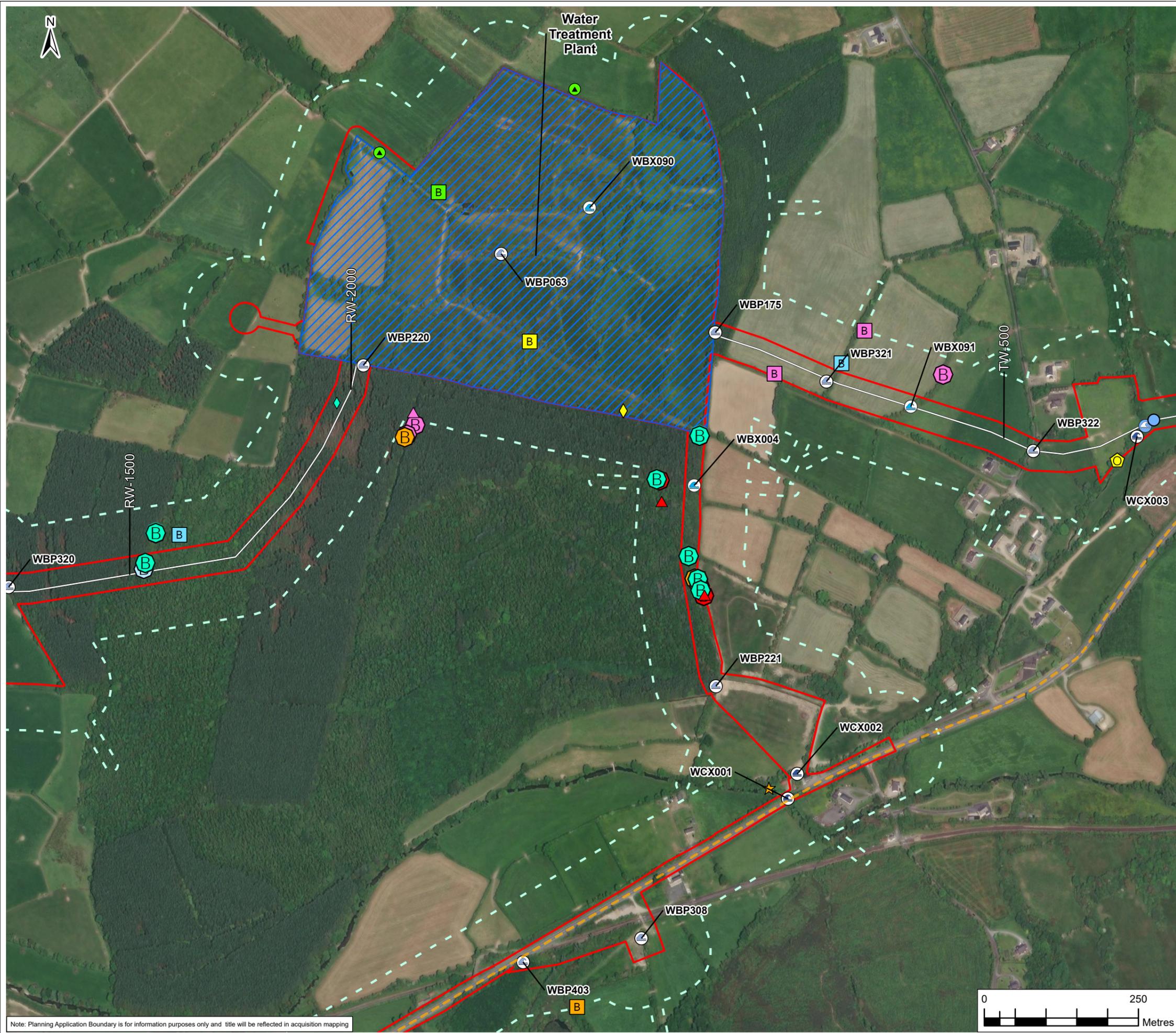
Drawing Status

Final - Planning Application

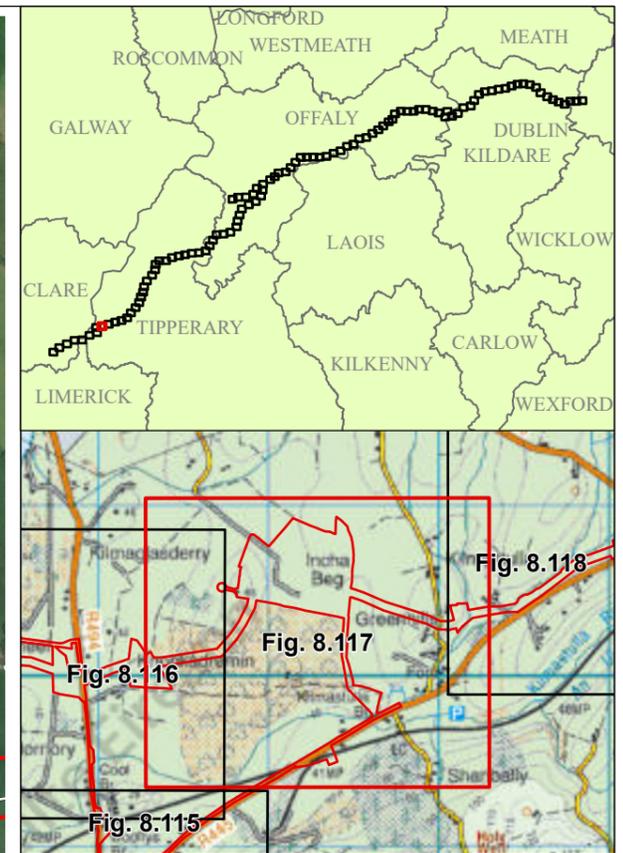
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Legend*

Planning Application Boundary	Infrastructure Sites	Badger Activity 2018
Indicative Pipeline	Water Treatment Plant	Badger Activity 2020
Haul Roads	Study Area	Badger Activity 2022
Watercourse Crossing (WCX - EPA mapped)	Smooth Newt	Other Data
Watercourse Crossing (WBX - streams)	Smooth Newt 2020	Other Holts 2016
Watercourse Washout Location (WCW)	Badger Setts 2017	Other Activity 2020
Watercourse Crossing (WBP - drains)	Badger Setts 2018	Pine Marten Data
Washout Valve (WA)	Badger Setts 2020	Pine Marten 2022
	Badger Setts 2021	Other Mammal Data
	Badger Setts 2024	Deer spp 2017
	Badger Activity 2016	Deer spp 2021
	Badger Activity 2017	Fallow Deer 2024
		Irish Hare 2022

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

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Client: Uisce Éireann, Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project Eastern and Midlands Region

Drawing Title: Figure 8.117 Protected Fauna Sheet 9 of 104

Drawing Status: Final - Planning Application

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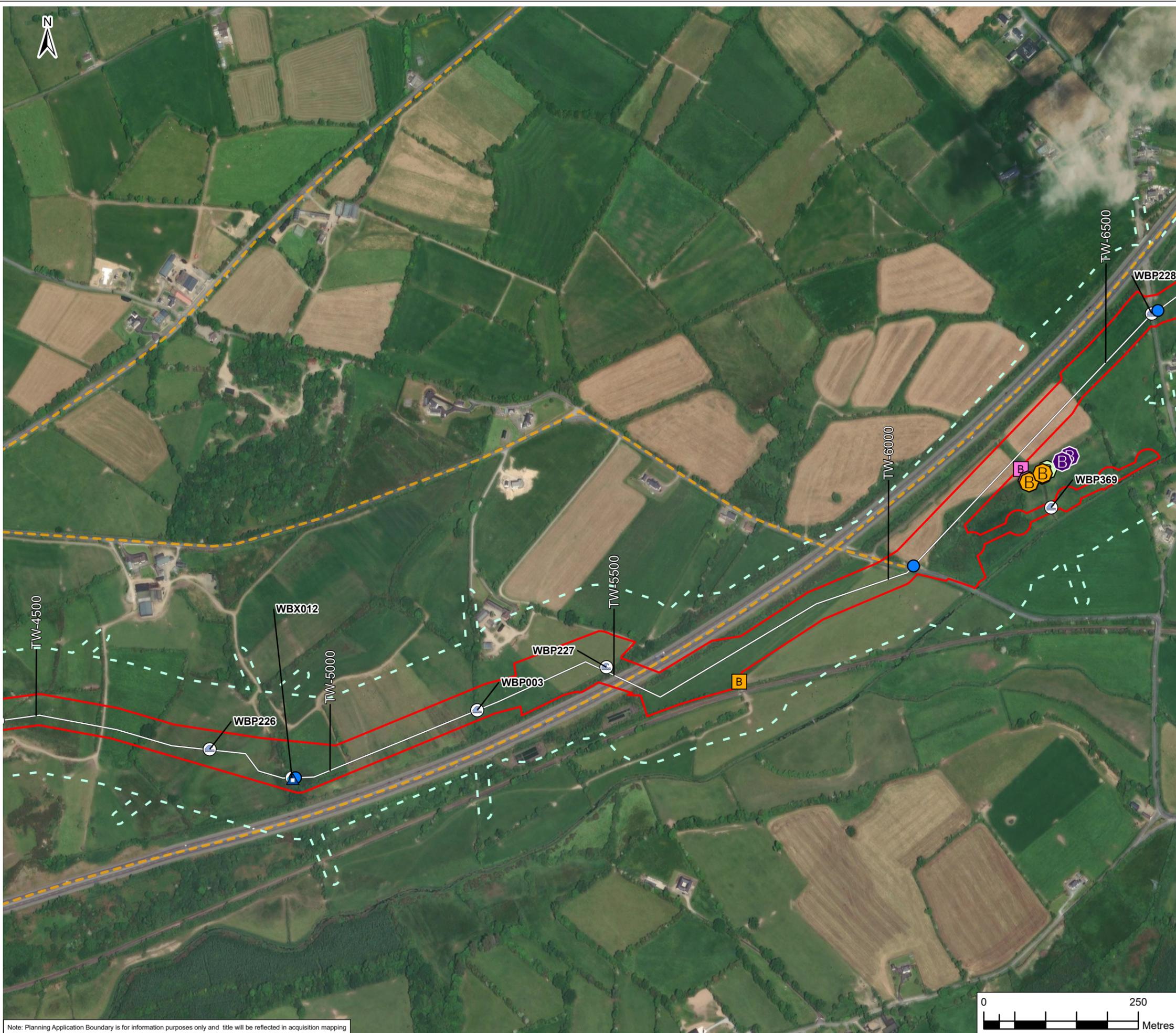
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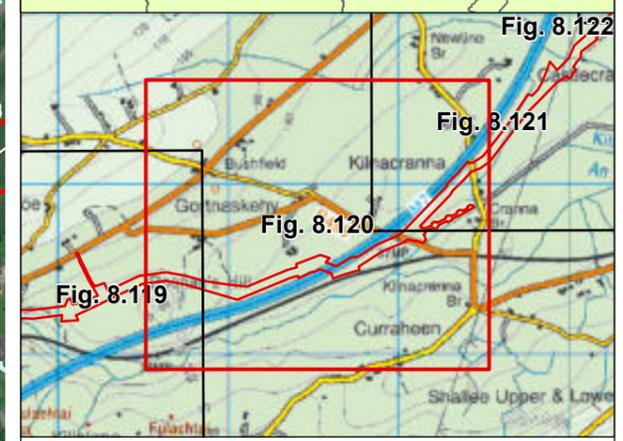
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Legend*

Planning Application Boundary	Badger Setts 2017
Indicative Pipeline	Badger Setts 2019
Haul Roads	Badger Setts 2020
Watercourse Crossing (WBX - streams)	Badger Setts 2025
Watercourse Crossing (WBP - drains)	Badger Activity 2017
Washout Valve (WB)	Badger Activity 2020
Study Area	Other Mammal Data
	Fox 2025

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Jacobs **TOBIN**

Client

Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.120
 Protected Fauna
 Sheet 12 of 104

Drawing Status
 Final - Planning Application

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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



- Legend***
- Planning Application Boundary
 - Indicative Pipeline
 - Haul Roads
 - Watercourse Crossing (WCX - EPA mapped)
 - Watercourse Washout Location (WCW)
 - Watercourse Crossing (WBP - drains)
 - Washout Valve (WA)
 - Washout Valve (WB)
 - Study Area
 - Badger Setts 2018
 - Badger Setts 2019
 - Badger Setts 2020
 - Badger Setts 2022
 - Badger Setts 2024
 - Badger Setts 2025
 - Badger Activity 2016
 - Badger Activity 2019
 - Badger Activity 2025
 - Other Mammal Data
 - Rabbit 2020
 - Rabbit 2022

Badger Data
 Badger Setts 2017
 RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.125
 Protected Fauna
 Sheet 17 of 104

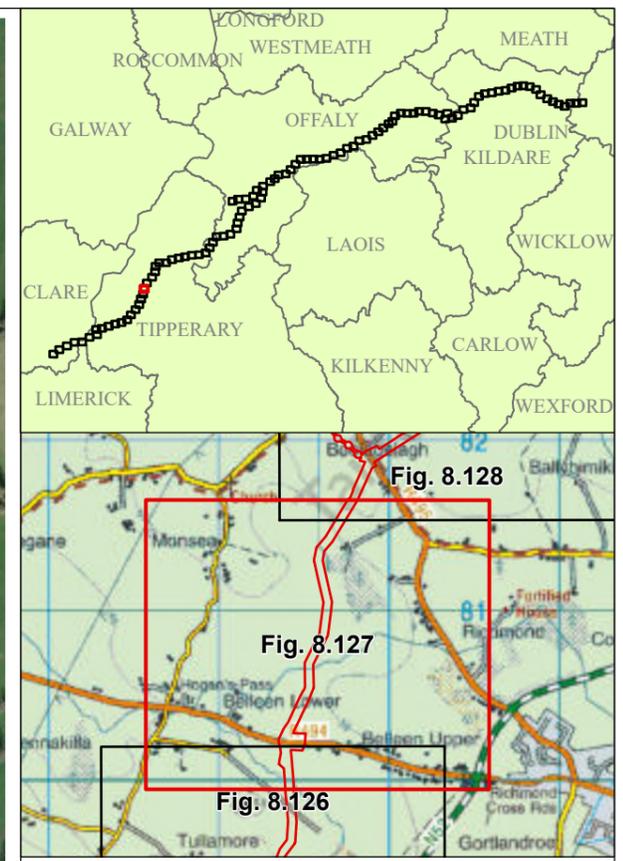
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Legend*

Planning Application Boundary	Washout Valve (WA)
Indicative Pipeline	Washout Valve (WB)
Haul Roads	Study Area
Watercourse Crossing (WCX - EPA mapped)	Badger Data
Watercourse Crossing (WBX - streams)	Badger Activity 2017
Watercourse Washout Location (WCW)	Otter Data
Watercourse Crossing (WBP - drains)	Otter Activity 2017
	Otter Activity 2024
	Pine Marten Data
	Pine Marten 2017
	Common Frog 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.127
Protected Fauna
Sheet 19 of 104

Drawing Status

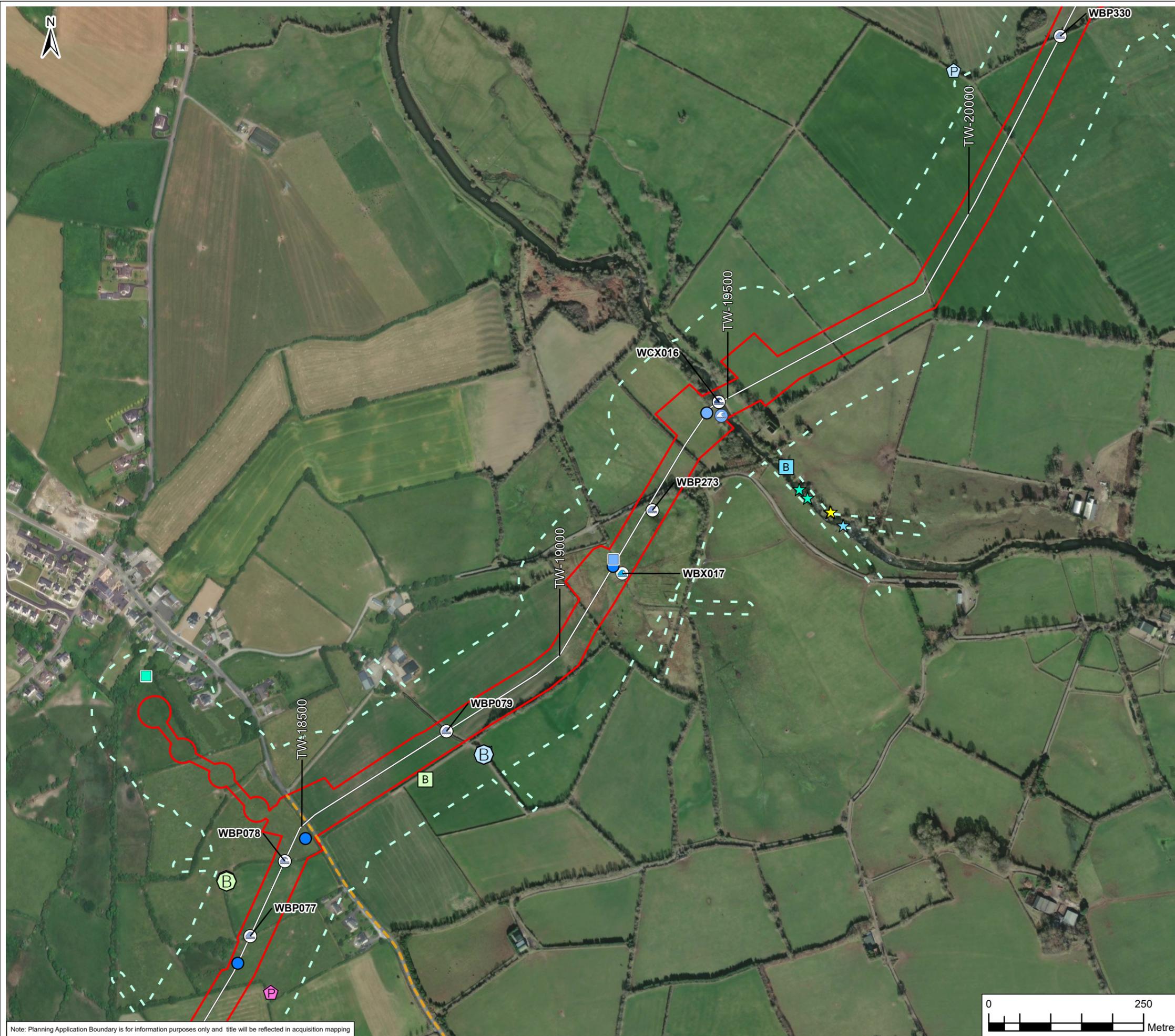
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Badger Data
- Badger Setts 2018
- Badger Setts 2019
- Badger Activity 2018
- Badger Activity 2019
- Badger Activity 2024
- Otter Data
- Otter Activity 2016
- Otter Activity 2018
- Otter Activity 2024
- Pine Marten Data
- Pine Marten 2017
- Pine Marten 2018
- Common Frog 2018
- Common Frog 2024

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client: **Uisce Éireann** / **Tionscadal Soláthair Uisce Water Supply Project**

Project: **Water Supply Project Eastern and Midlands Region**

Drawing Title: **Figure 8.128 Protected Fauna Sheet 20 of 104**

Drawing Status: **Final - Planning Application**

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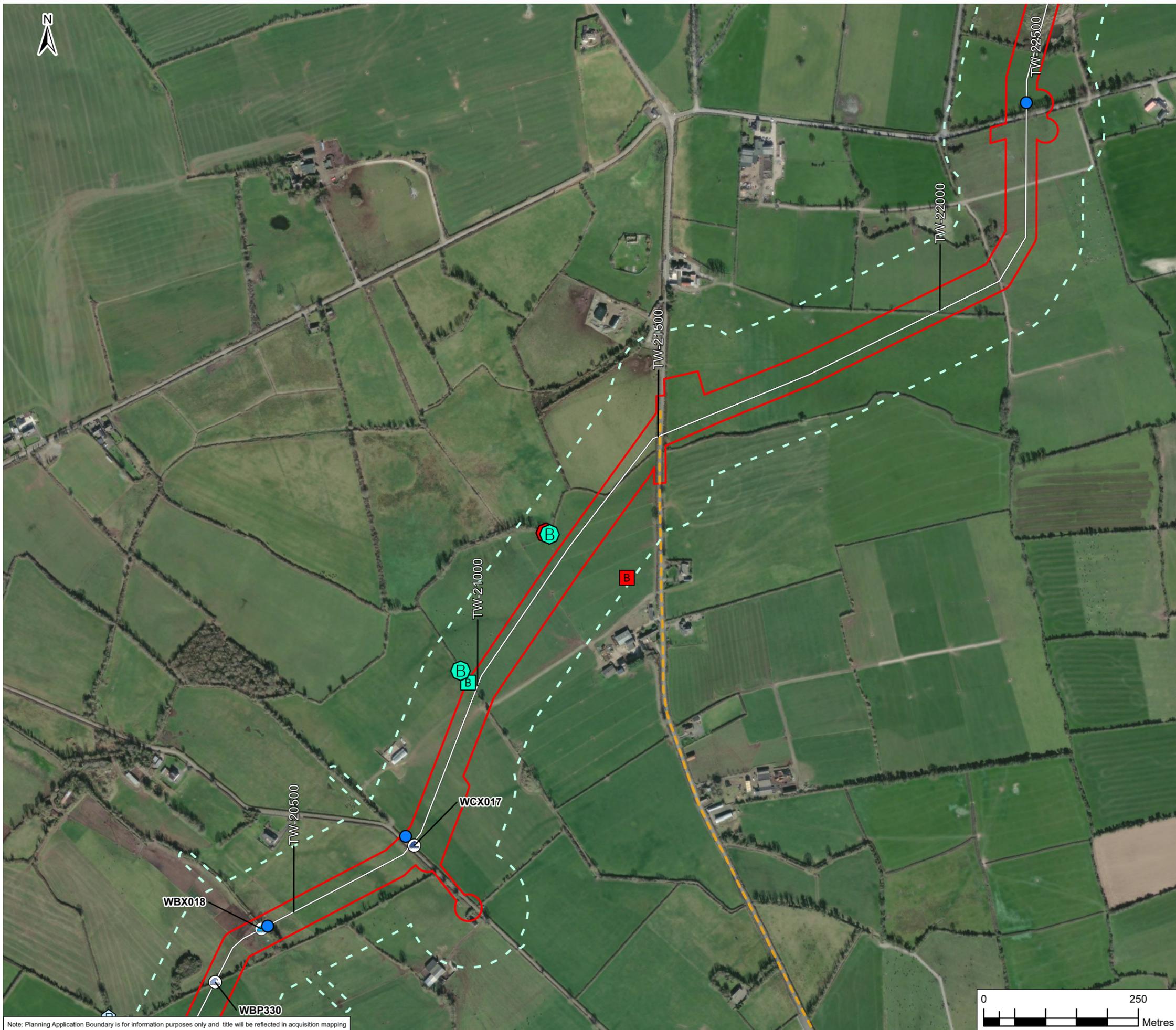
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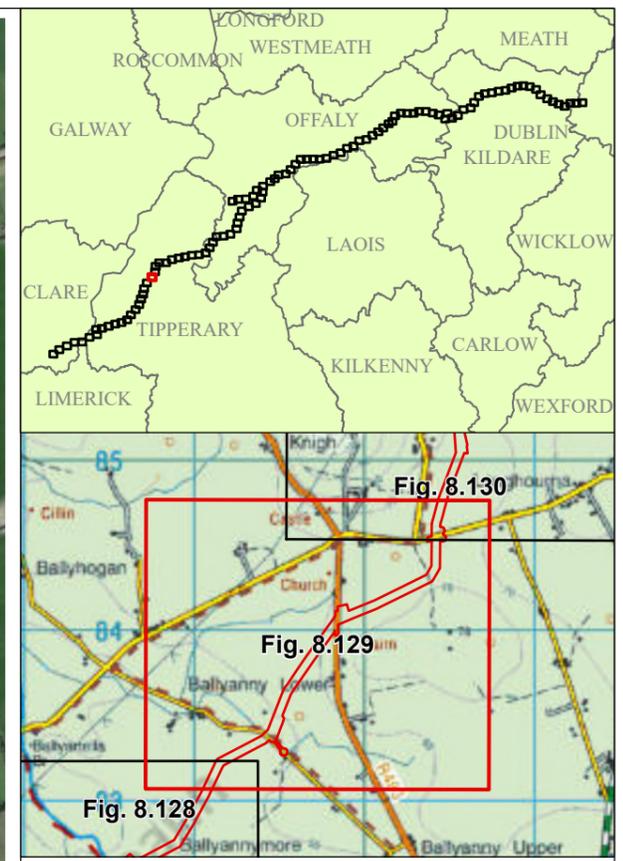
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Legend*

Planning Application Boundary	Washout Valve (WB)
Indicative Pipeline	Study Area
Haul Roads	Badger Data
Watercourse Crossing (WCX - EPA mapped)	Badger Setts 2021
Watercourse Crossing (WBX - streams)	Badger Setts 2024
Watercourse Crossing (WBP - drains)	Badger Activity 2021
	Badger Activity 2024
	Pine Marten Data
	Pine Marten 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



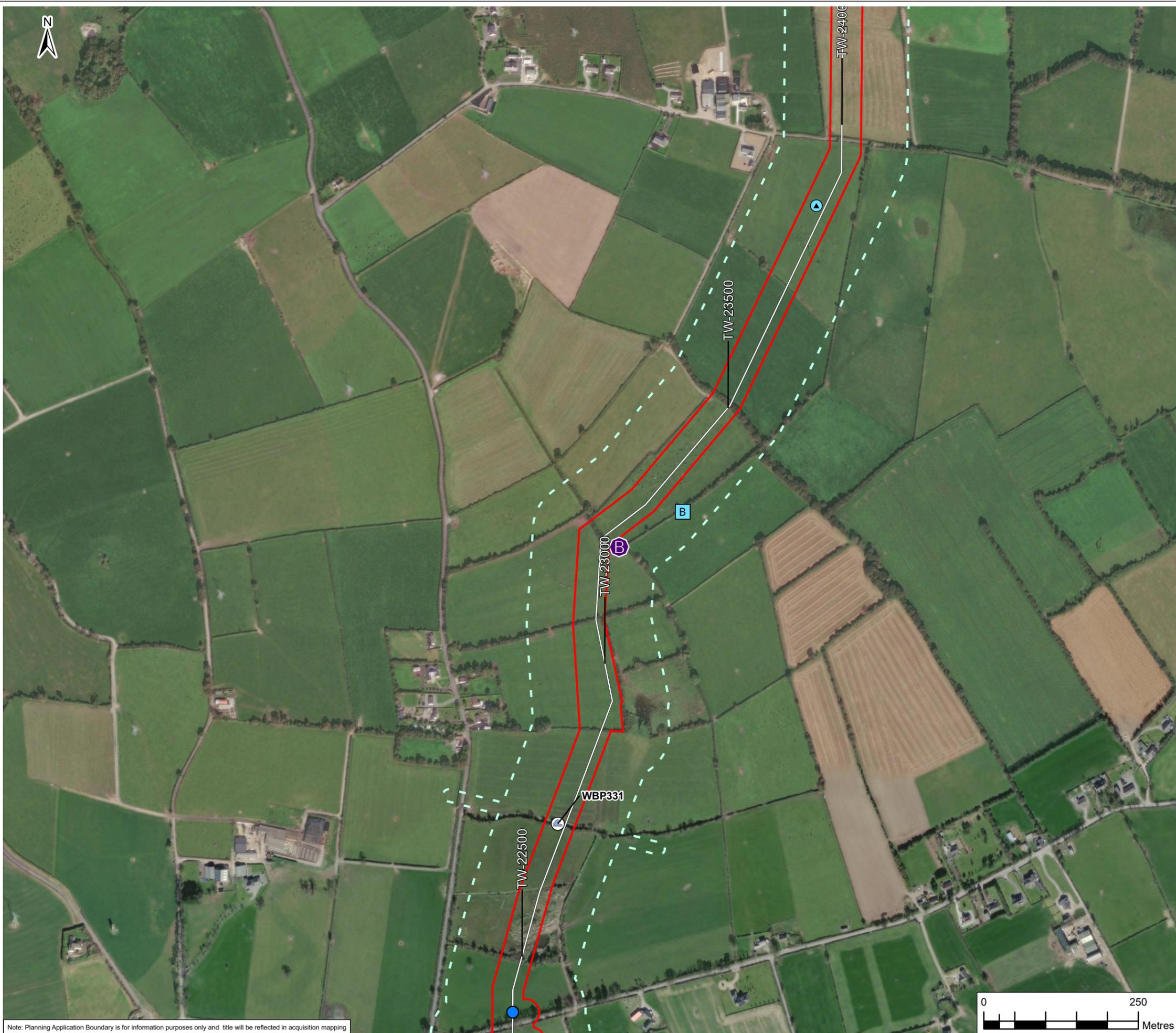
Client
Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.129
Protected Fauna
Sheet 21 of 104

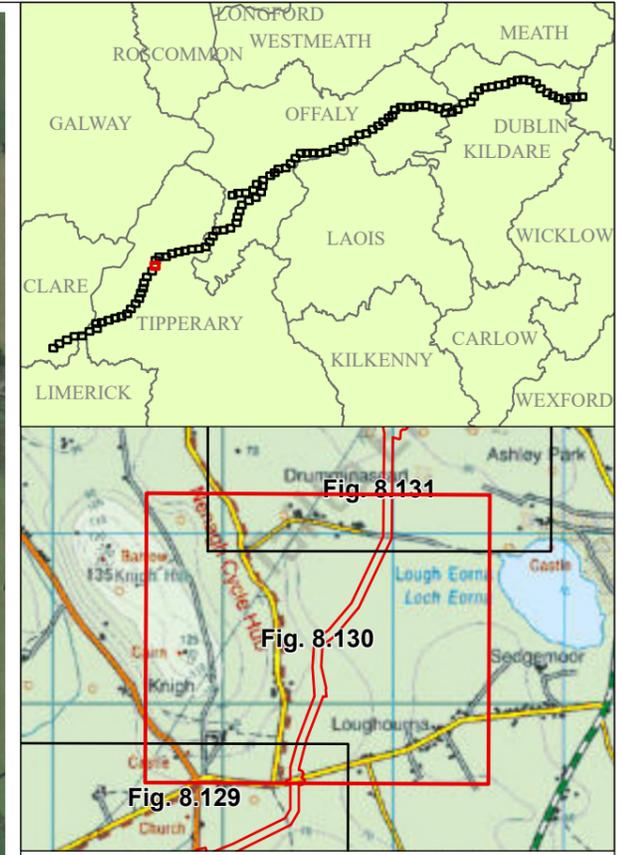
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Legend*

Planning Application Boundary	Study Area
Indicative Pipeline	Badger Data
Watercourse Crossing (WBP - drains)	Badger Setts 2025
Washout Valve (WB)	Badger Activity 2018
	Other Mammal Data
	Irish Hare 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.130
Protected Fauna
Sheet 22 of 104

Drawing Status

Final - Planning Application

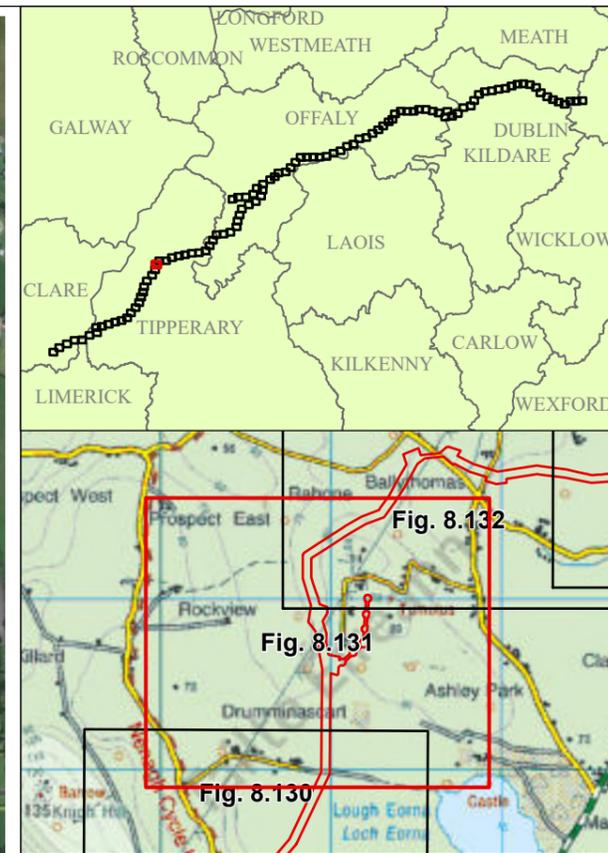
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Legend*

Planning Application Boundary	Badger Setts 2022
Indicative Pipeline	Badger Activity 2024
Washout Valve (WB)	Marsh Fritillary Data
Study Area	Marsh Fritillary 2024
Badger Setts 2020	Other Mammal Data
	Fox 2020

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
F03	19/11/25	Final - Planning Application	SP	LK	SN	SW

Jacobs TOBIN

Client
 Uisce Éireann Irish Water
 Tionscatal Soláthair Uisce Water Supply Project

Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.131
 Protected Fauna
 Sheet 23 of 104

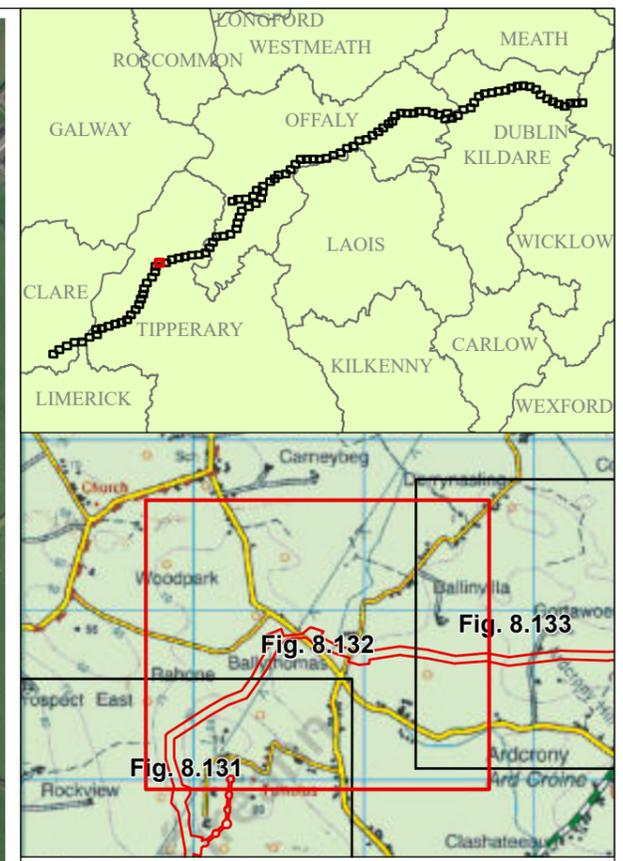
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Legend*

Planning Application Boundary	Badger Setts 2017
Indicative Pipeline	Badger Setts 2018
Watercourse Crossing (WCX - EPA mapped)	Badger Setts 2019
Watercourse Washout Location (WCW)	Badger Setts 2020
Washout Valve (WA)	Badger Setts 2022
Washout Valve (WB)	Badger Setts 2024
Study Area	Badger Activity 2020
	Badger Activity 2022
	Badger Activity 2024

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

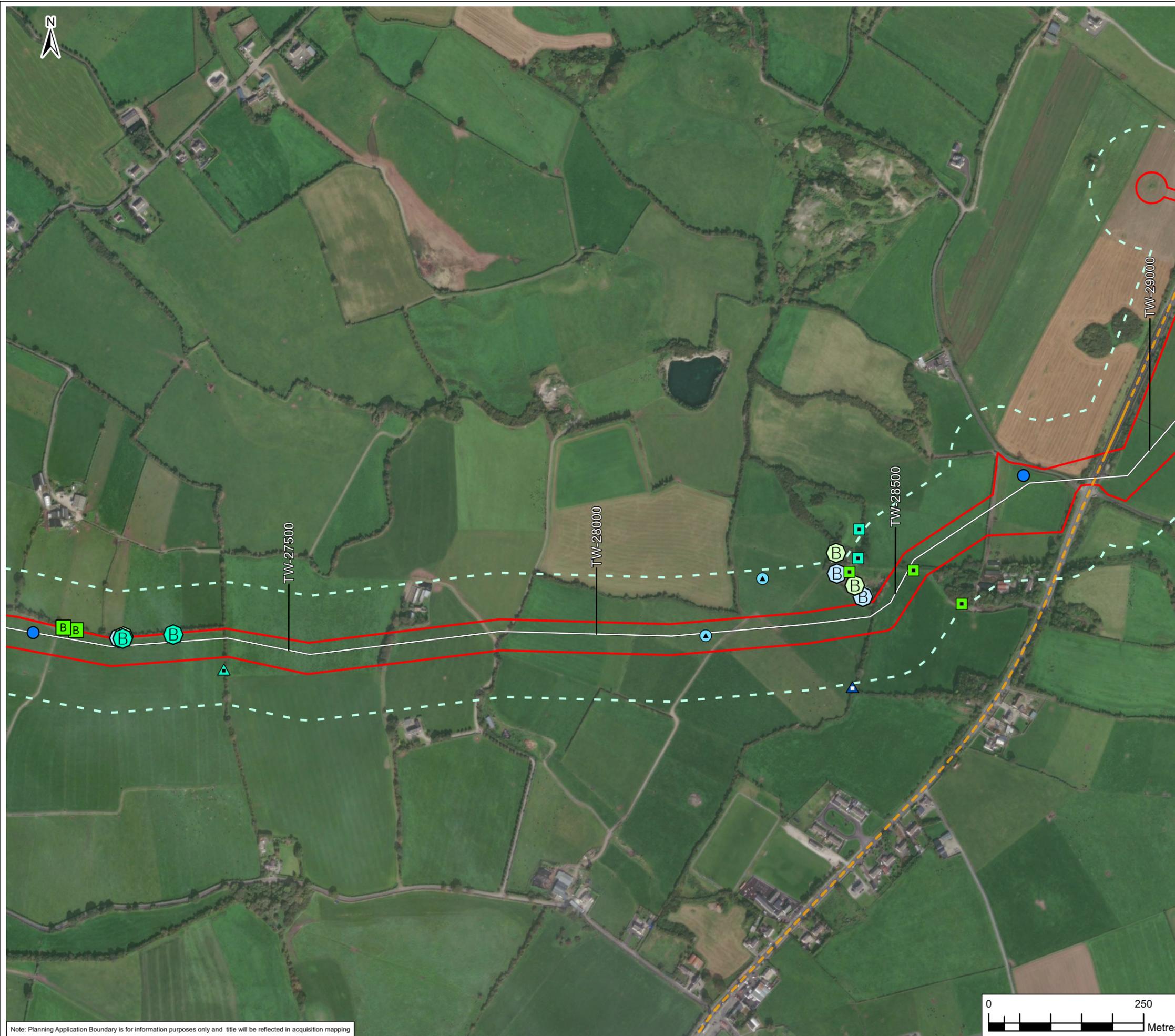
Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.132
Protected Fauna
Sheet 24 of 104

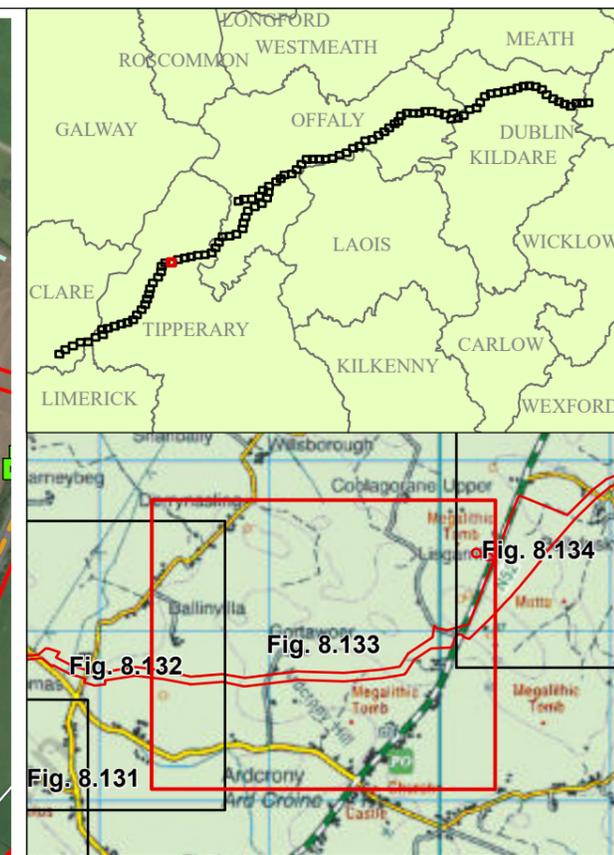
Drawing Status
Final - Planning Application

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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



- Legend*
- Planning Application Boundary
 - Indicative Pipeline
 - Haul Roads
 - Washout Valve (WB)
 - Study Area
 - Badger Setts 2017
 - Badger Setts 2018
 - Badger Setts 2019
 - Badger Setts 2024
 - Badger Activity 2022
 - ▲ Fox 2024
 - ▲ Fox 2025
 - ▲ Irish Hare 2018
 - Rabbit 2022
 - Rabbit 2024

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Jacobs TOBIN

Client

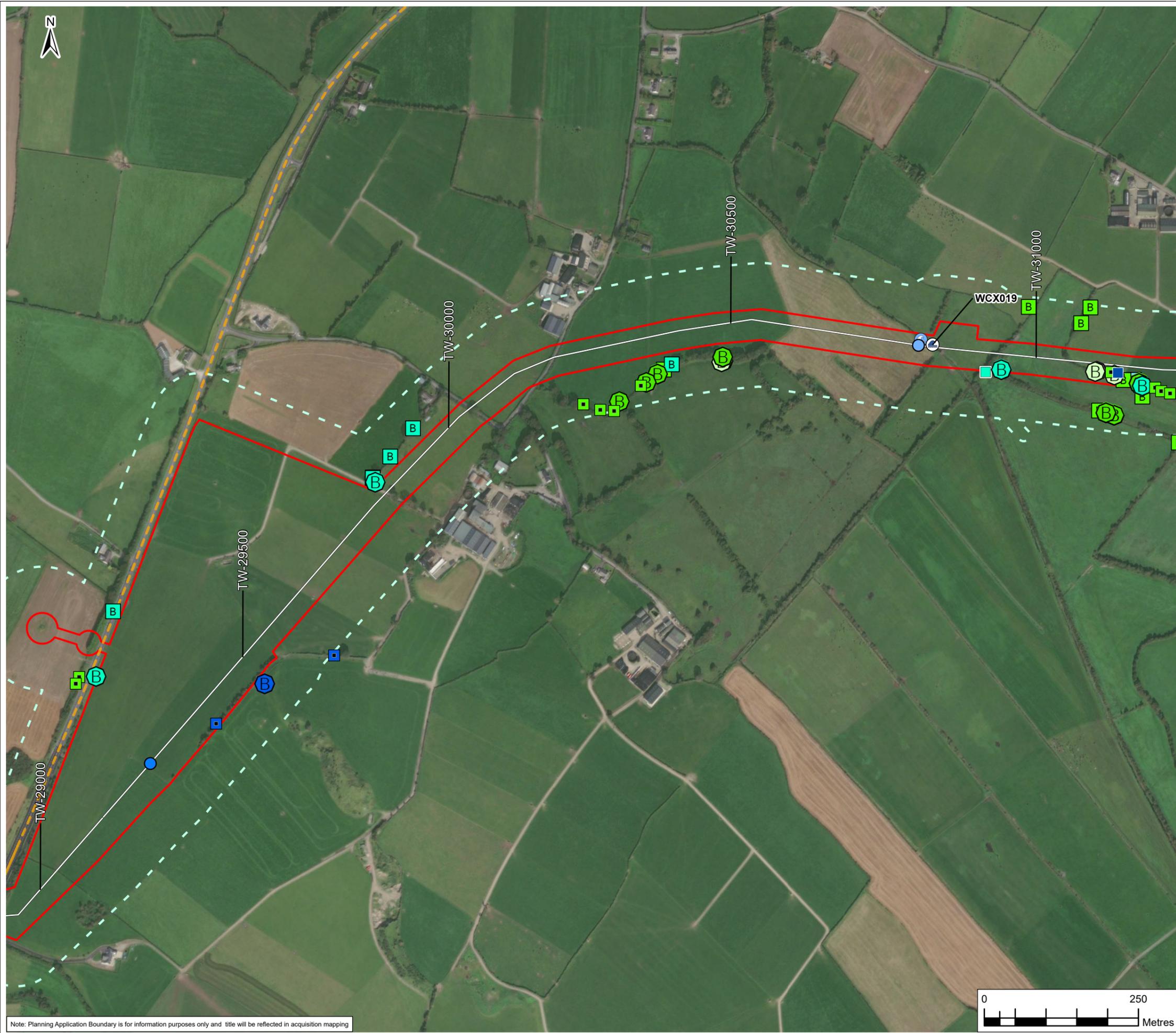
Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.133
 Protected Fauna
 Sheet 25 of 104

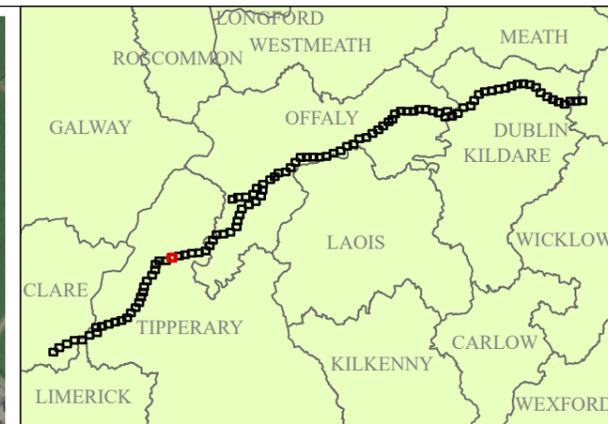
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Badger Sets 2020
Indicative Pipeline	Badger Sets 2021
Haul Roads	Badger Sets 2022
Watercourse Crossing (WCX - EPA mapped)	Badger Sets 2023
Watercourse Washout Location (WCW)	Badger Sets 2024
Washout Valve (WA)	Badger Activity 2018
Washout Valve (WB)	Badger Activity 2022
Study Area	Badger Activity 2024
	Common Frog 2024
	Other Mammal Data
Badger Data	Rabbit 2022
Badger Sets 2017	Rabbit 2023
Badger Sets 2018	Unknown Mammals 2024/2025
Badger Sets 2019	

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.134
Protected Fauna
Sheet 26 of 104

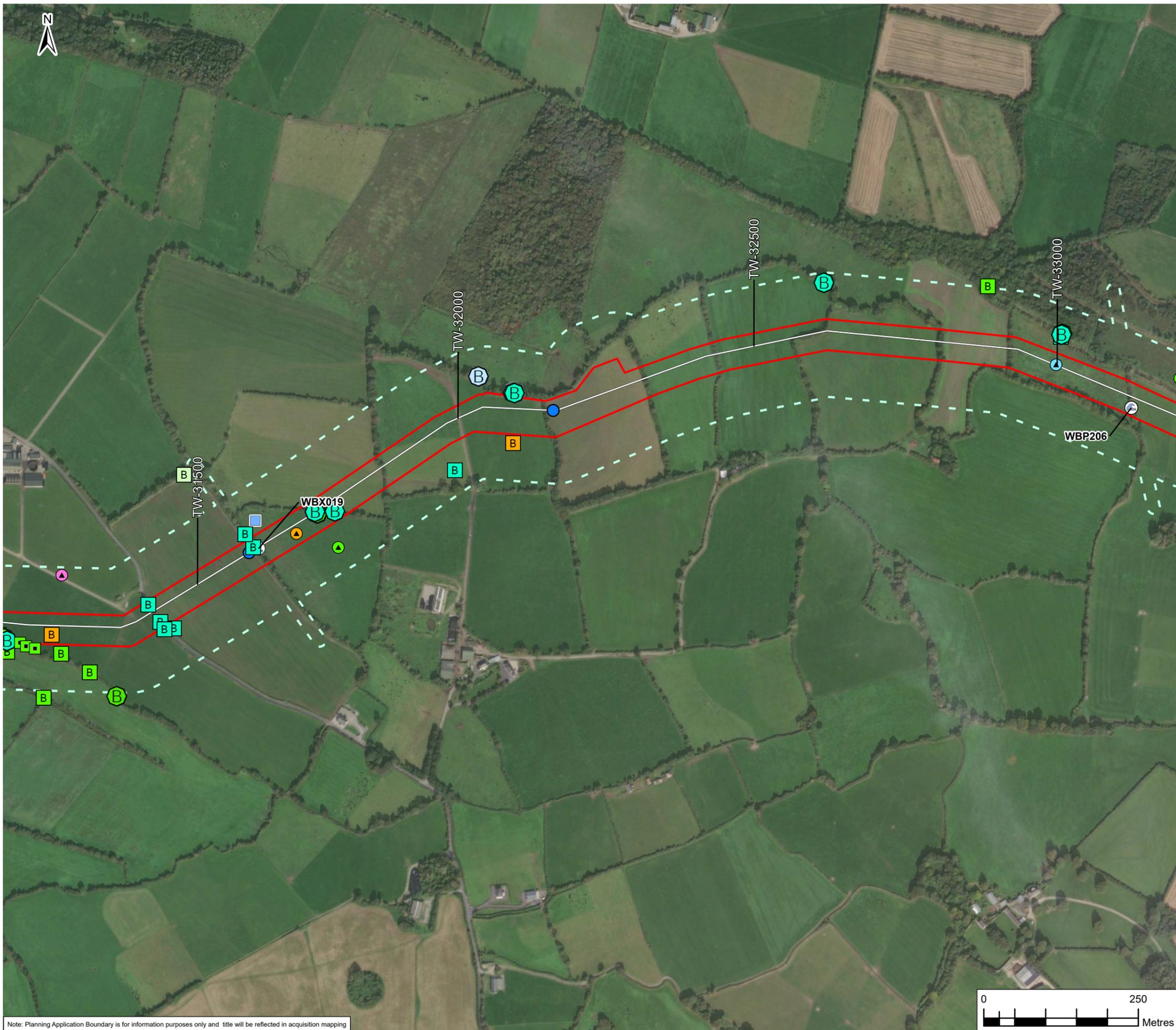
Drawing Status

Final - Planning Application

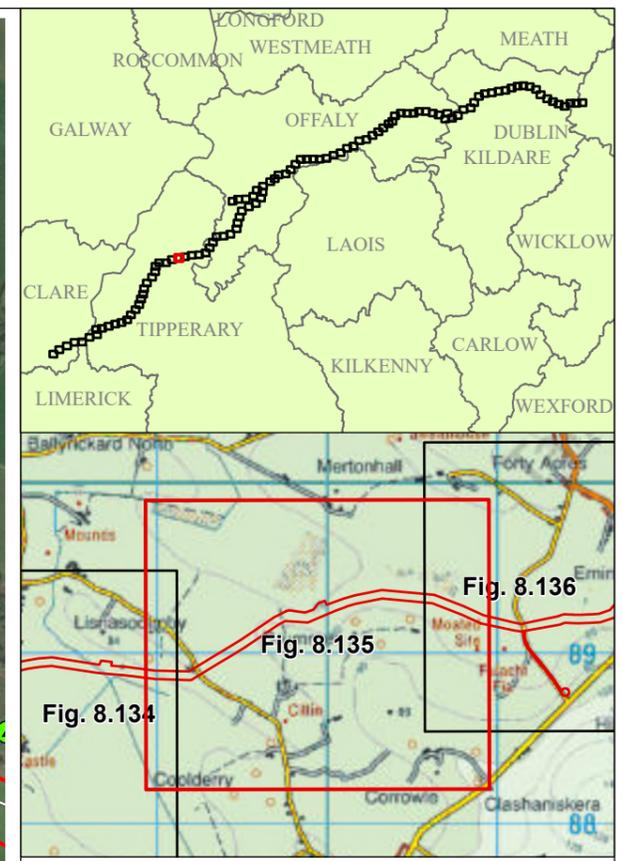
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Badger Setts 2024
Indicative Pipeline	Badger Activity 2018
Watercourse Crossing (WBX - streams)	Badger Activity 2019
Watercourse Crossing (WBP - drains)	Badger Activity 2020
Washout Valve (WB)	Badger Activity 2022
Study Area	Badger Activity 2024
	Common Frog 2018
Badger Data	Other Mammal Data
Badger Setts 2017	Irish Hare 2017
Badger Setts 2018	Irish Hare 2018
Badger Setts 2019	Irish Hare 2020
Badger Setts 2020	Irish Hare 2022
Badger Setts 2022	Rabbit 2022

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

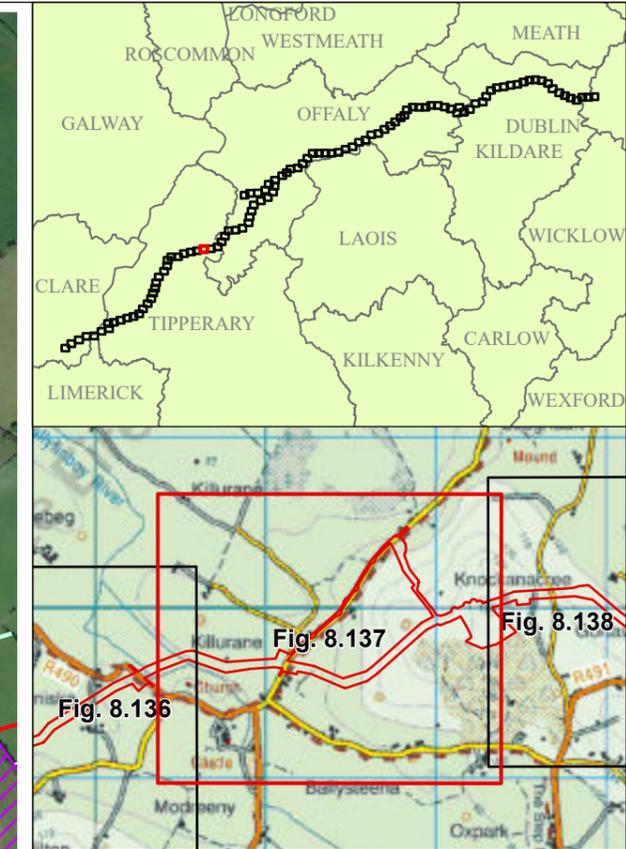
Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.135
 Protected Fauna
 Sheet 27 of 104

Drawing Status
 Final - Planning Application

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Legend*

Planning Application Boundary	Badger Setts 2017
Indicative Pipeline	Badger Setts 2018
Haul Roads	Badger Setts 2019
Watercourse Crossing (WCX - EPA mapped)	Badger Setts 2020
Watercourse Washout Location (WCW)	Badger Setts 2022
Washout Valve (WA)	Badger Setts 2024
Break Pressure Tank	Badger Activity 2019
Study Area	Badger Activity 2020
Badger Setts 2016	Badger Activity 2024
Badger Setts 2018	Pine Marten Data
Badger Setts 2019	Pine Marten 2018
Badger Setts 2020	Other Mammal Data
Badger Setts 2022	Irish Hare 2018
Badger Setts 2024	

*RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage* *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

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Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.137
Protected Fauna
Sheet 29 of 104

Drawing Status
Final - Planning Application

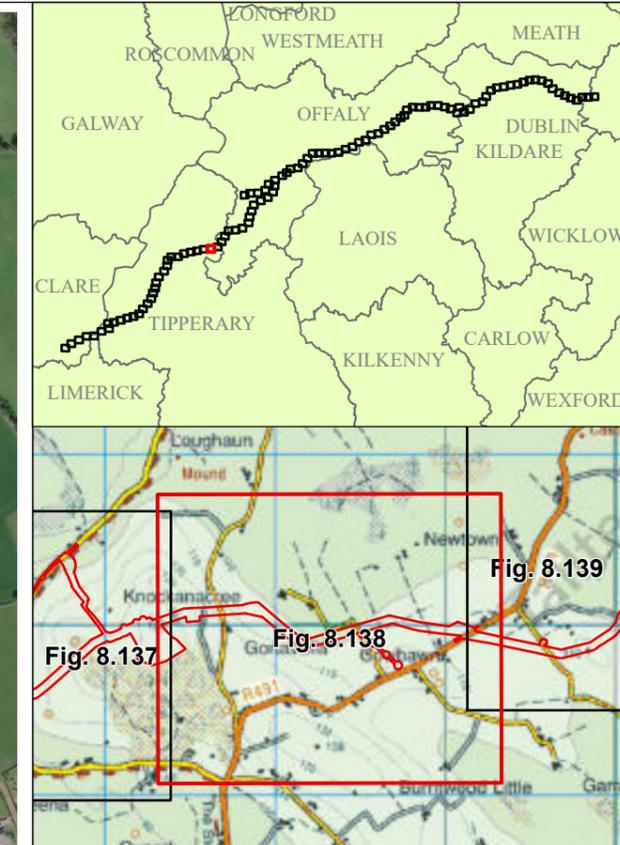
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Legend*

- Planning Application Boundary
- Study Area
- Indicative Pipeline
- Haul Roads
- Washout Valve (WB)
- ▲ Irish Hare 2016
- Break Pressure Tank
- ⬢ Badger Data
- ⬢ Badger Setts 2024
- ⬢ Other Mammal Data

Infrastructure Sites

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

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Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.138
Protected Fauna
Sheet 30 of 104

Drawing Status Final - Planning Application

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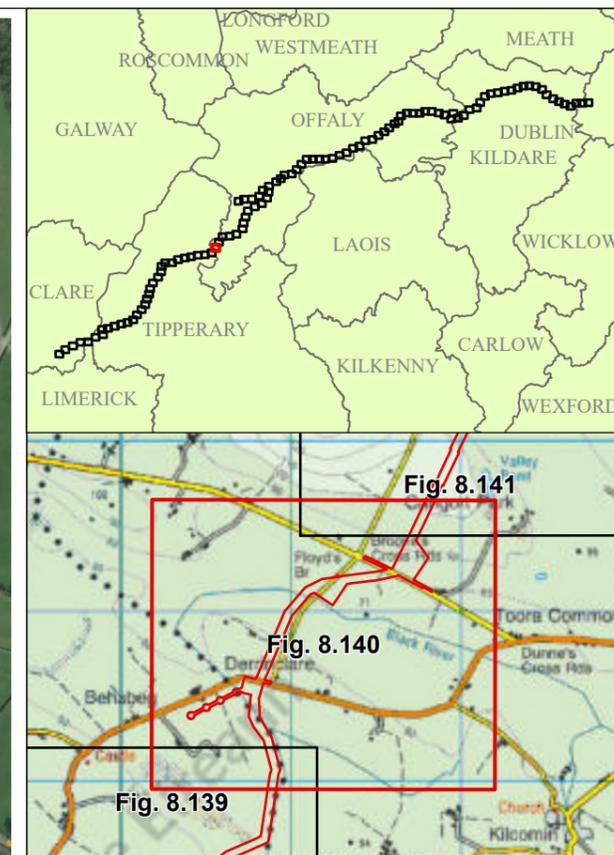
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- ▭ Planning Application Boundary
- Indicative Pipeline
- - - Haul Roads
- ⊙ Watercourse Crossing (WCX - EPA mapped)
- ⊙ Watercourse Crossing (WBX - streams)
- ⊙ Watercourse Washout Location (WCW)
- ⊙ Watercourse Crossing (WBP - drains)
- ⊙ Washout Valve (WA)
- ⊙ Washout Valve (WB)
- - - Study Area
- ▭ Marsh Fritillary Study Area
- Badger Data**
- ⊙ Badger Activity 2018
- ⊙ Badger Activity 2022

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

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Client

Uisce Éireann **Tionscadal Soláthair Uisce Water Supply Project**

Project

Water Supply Project Eastern and Midlands Region

Drawing Title

Figure 8.140 Protected Fauna Sheet 32 of 104

Drawing Status

Final - Planning Application

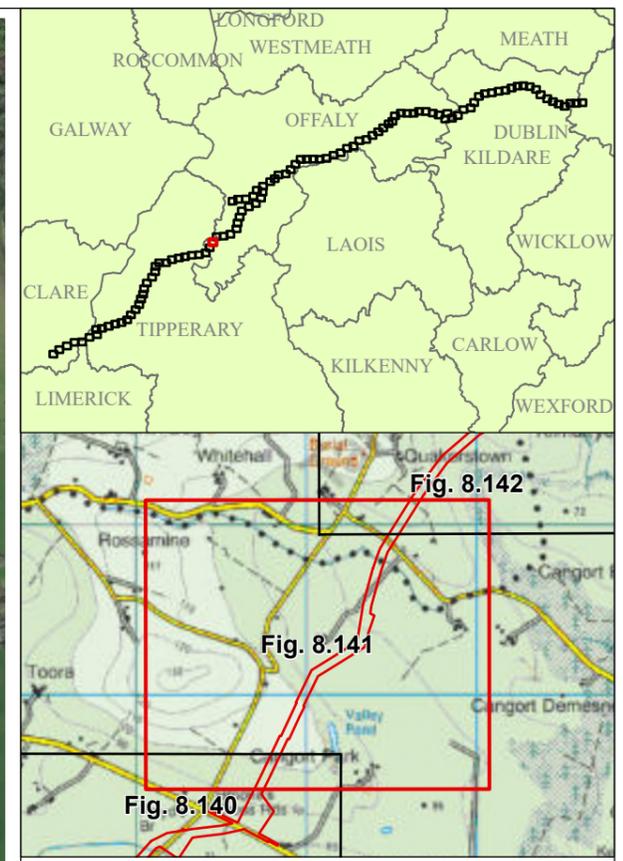
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- ▭ Planning Application Boundary
- Indicative Pipeline
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Study Area
- Badger Data
- Badger Setts 2024

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.141
Protected Fauna
Sheet 33 of 104

Drawing Status Final - Planning Application

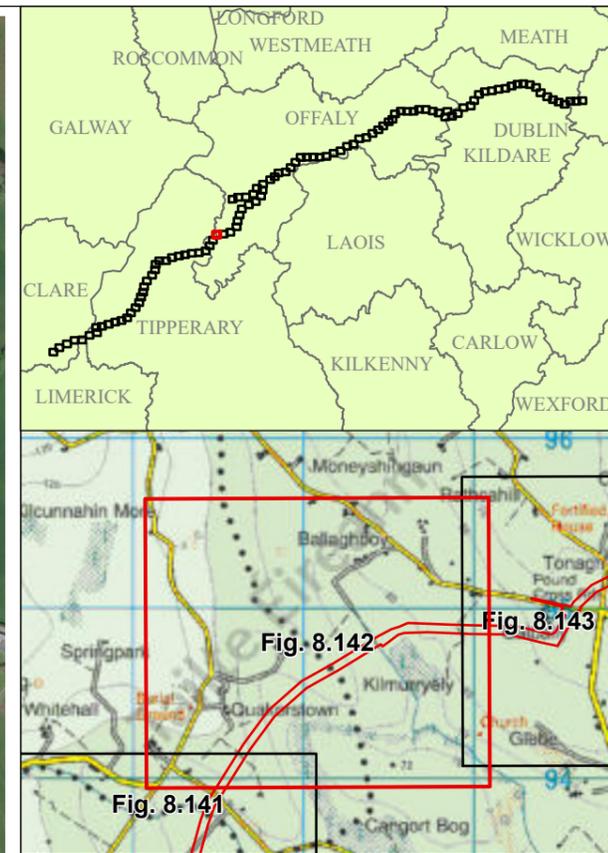
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Indicative Pipeline
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Washout Location (WCW)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Pine Marten Data
- Pine Marten 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.142
Protected Fauna
Sheet 34 of 104

Drawing Status
Final - Planning Application

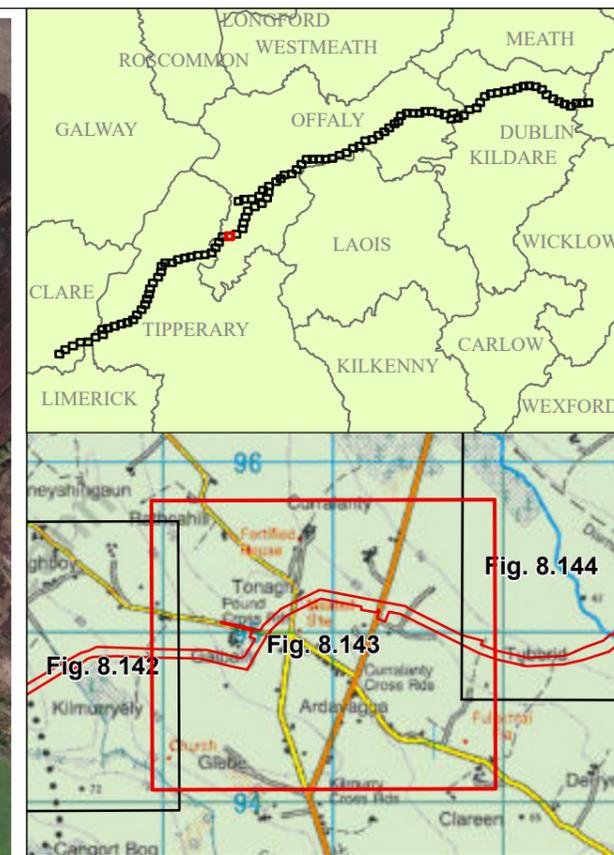
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Legend*

Planning Application Boundary	Badger Setts 2020
Indicative Pipeline	Badger Activity 2016
Haul Roads	Badger Activity 2018
Watercourse Crossing (WBX - streams)	Badger Activity 2019
Washout Valve (WB)	Pine Marten Data
Study Area	Pine Marten 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.143
Protected Fauna
Sheet 35 of 104

Drawing Status
Final - Planning Application

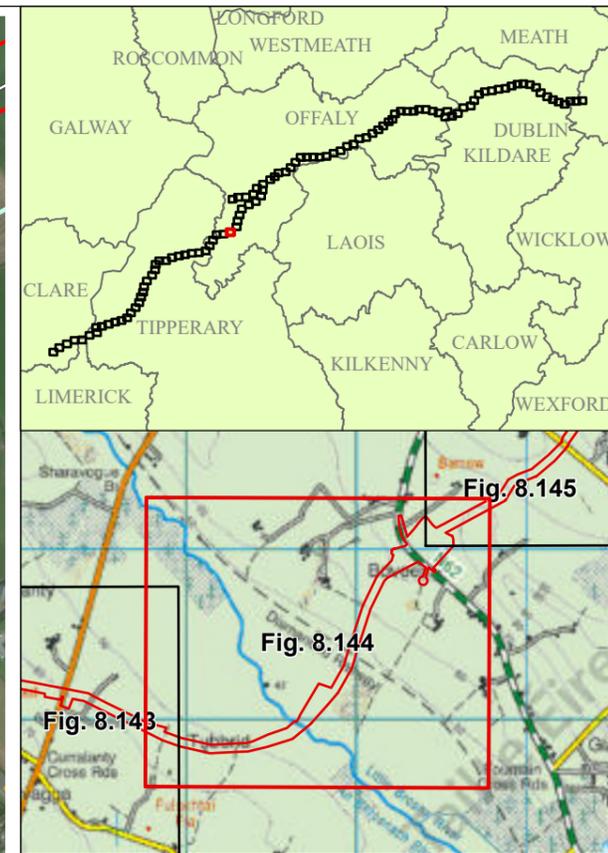
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- ▭ Planning Application Boundary
- Washout Valve (WB)
- Study Area
- Haul Roads
- B Badger Activity 2016
- B Badger Activity 2018
- B Badger Activity 2019
- ⊙ Watercourse Crossing (WCX – EPA mapped)
- ⊙ Watercourse Crossing (WBX – streams)
- ⊙ Watercourse Washout Location (WCW)
- ⊙ Watercourse Crossing (WBP – drains)
- ⊙ Washout Valve (WA)
- ⊙ Otter Data
- ⊙ Otter Holts 2017
- ★ Otter Activity 2016
- ★ Otter Activity 2018
- ⊙ Pine Marten Data
- ⊙ Pine Marten 2018

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.144
Protected Fauna
Sheet 36 of 104

Drawing Status

Final - Planning Application

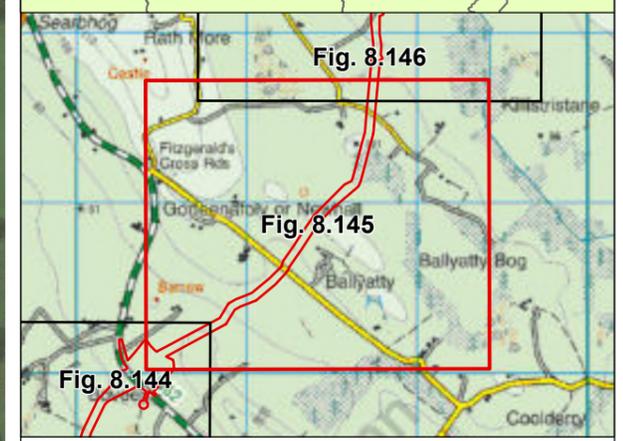
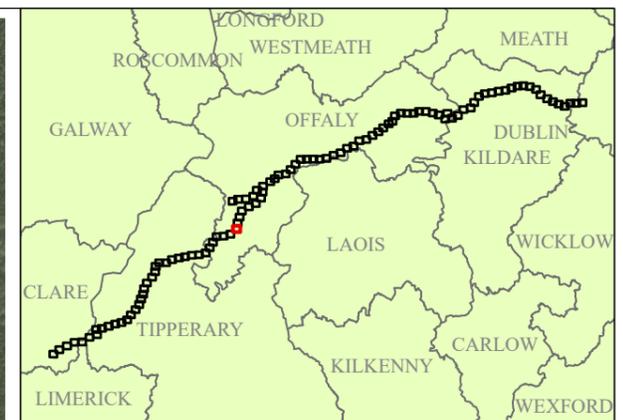
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Legend*

Planning Application Boundary	Badger Setts 2017
Indicative Pipeline	Badger Setts 2019
Haul Roads	Badger Setts 2020
Watercourse Crossing (WBX - streams)	Badger Setts 2022
Watercourse Crossing (WBP - drains)	Badger Setts 2024
Washout Valve (WB)	Badger Activity 2022
Study Area	Pine Marten Data
	Pine Marten 2018

RW-xxx - Raw Water Chainage *Where data overlaps, the most recent record is illustrated on the figure
 TW-xxx - Treated Water Chainage

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



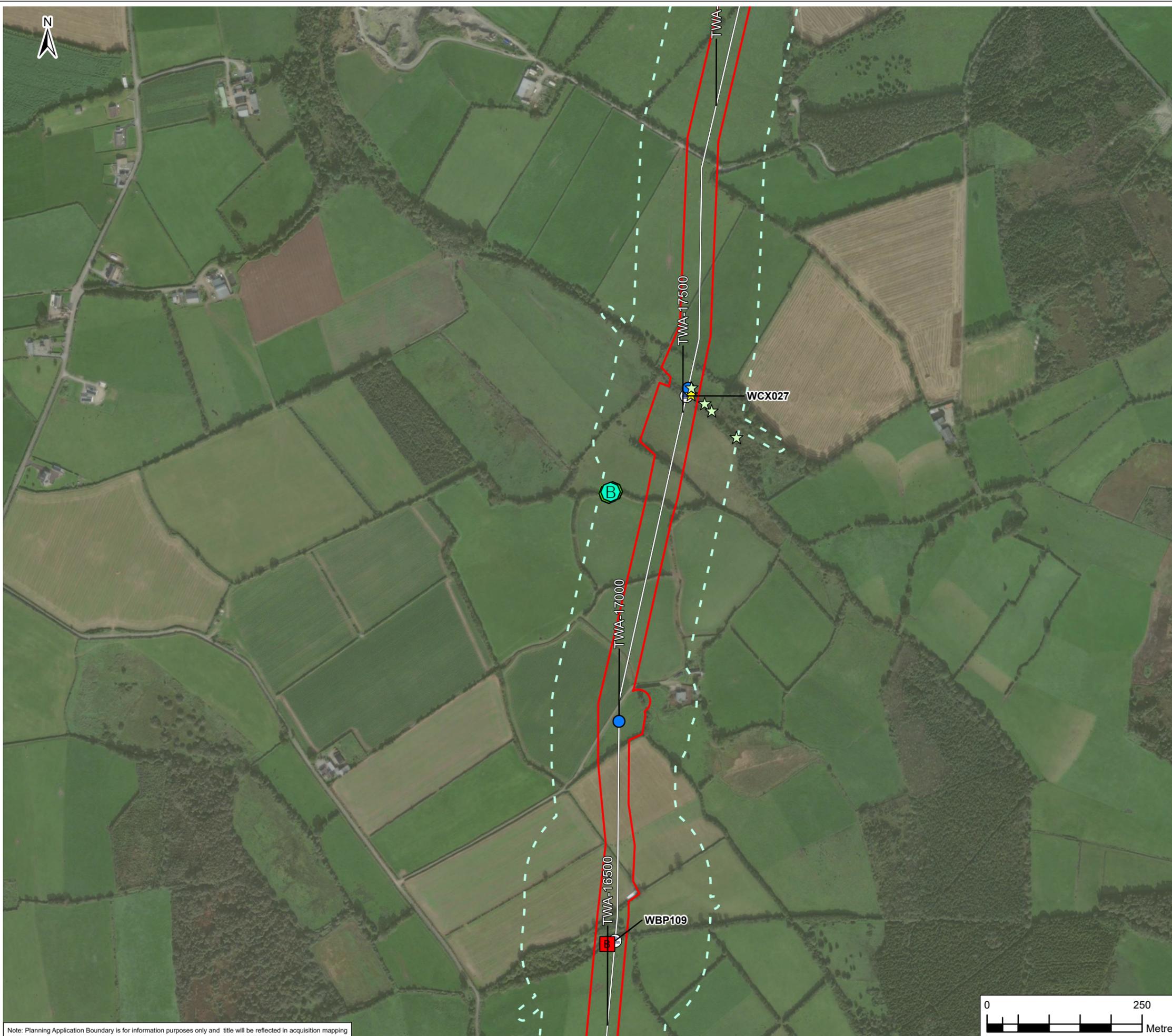
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 Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.145
 Protected Fauna
 Sheet 37 of 104

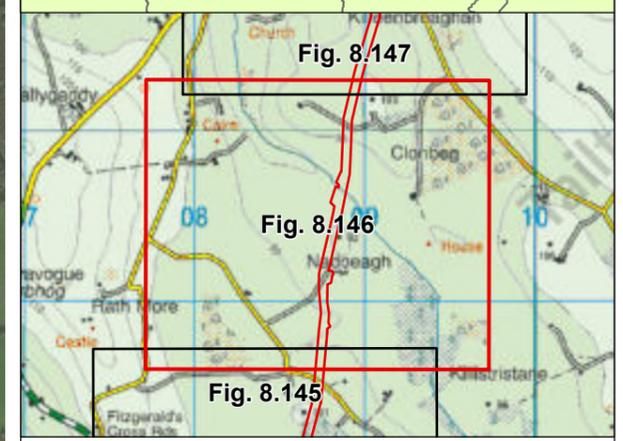
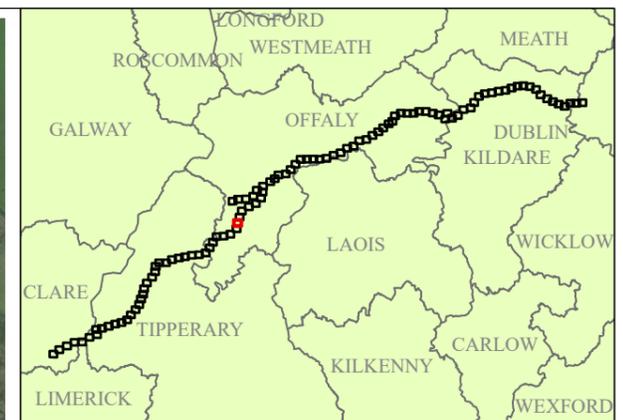
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Legend*

Planning Application Boundary	Badger Setts 2022
Indicative Pipeline	Badger Setts 2024
Watercourse Crossing (WCX - EPA mapped)	Badger Activity 2021
Watercourse Crossing (WBP - drains)	Otter Activity 2016
Washout Valve (WB)	Otter Activity 2019
Study Area	

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

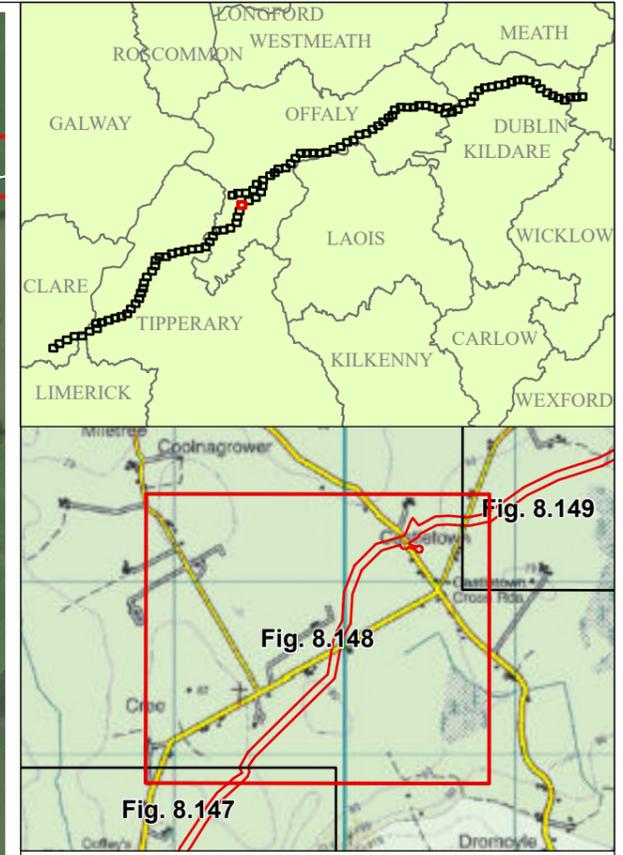
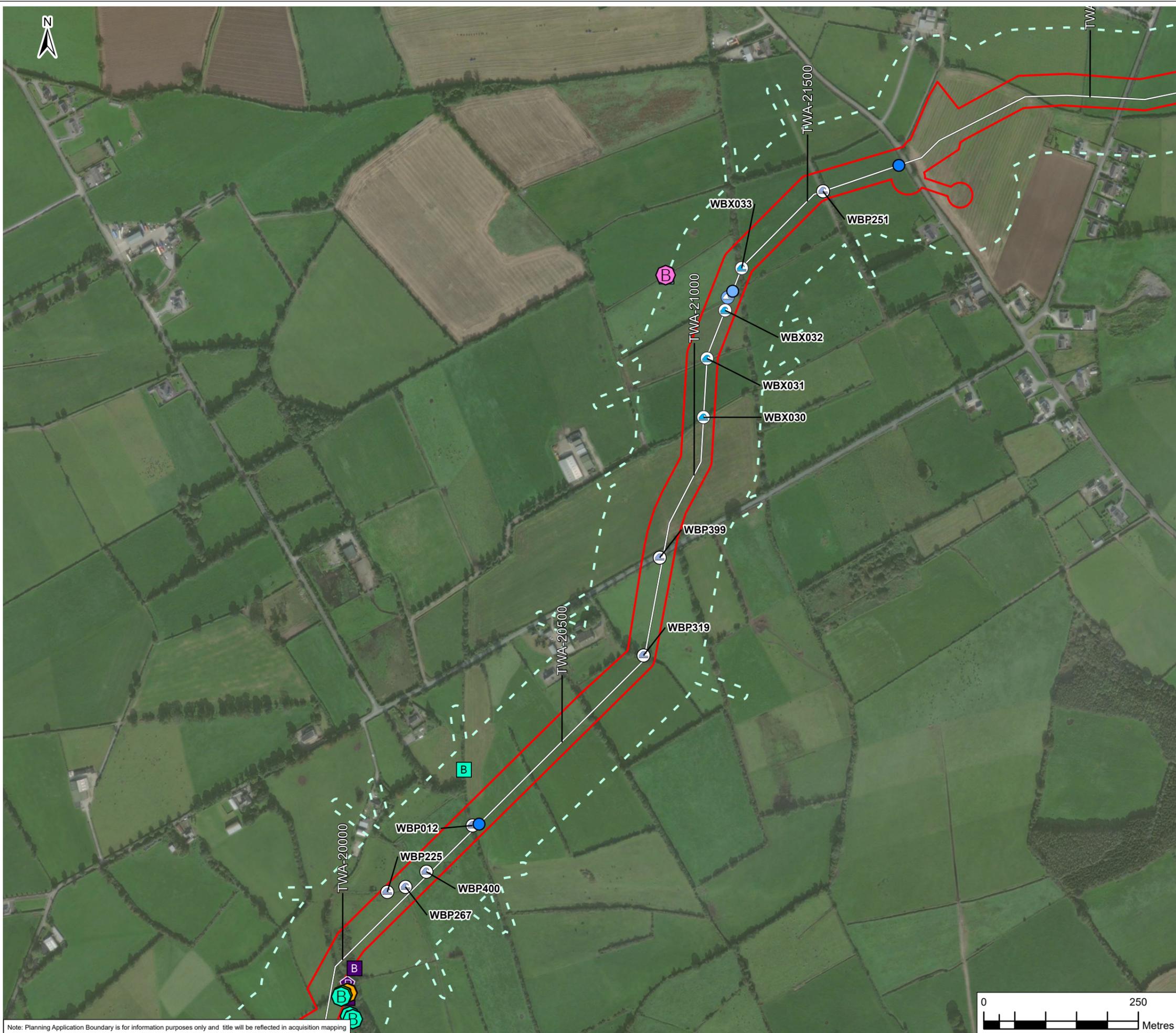
Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.146
 Protected Fauna
 Sheet 38 of 104

Drawing Status
 Final - Planning Application

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Client No.	9318	
Drawing No.	32105801/700/1472	
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Legend*

Planning Application Boundary	Badger Setts 2018
Indicative Pipeline	Badger Setts 2019
Watercourse Crossing (WBX - streams)	Badger Setts 2020
Watercourse Washout Location (WCW)	Badger Setts 2021
Watercourse Crossing (WBP - drains)	Badger Setts 2022
Washout Valve (WA)	Badger Activity 2018
Washout Valve (WB)	Badger Activity 2024
Study Area	Badger Activity 2025
	Pine Marten Data
	Pine Marten 2025

Badger Data

Badger Setts 2017

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.148
 Protected Fauna
 Sheet 40 of 104

Drawing Status
 Final - Planning Application

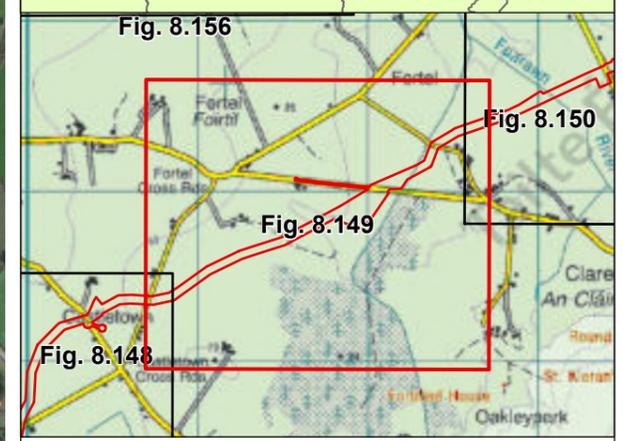
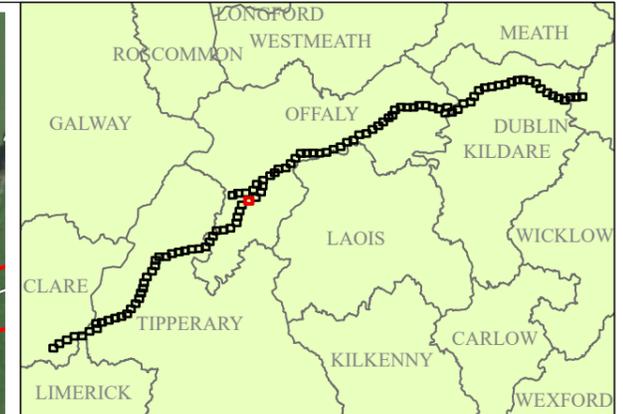
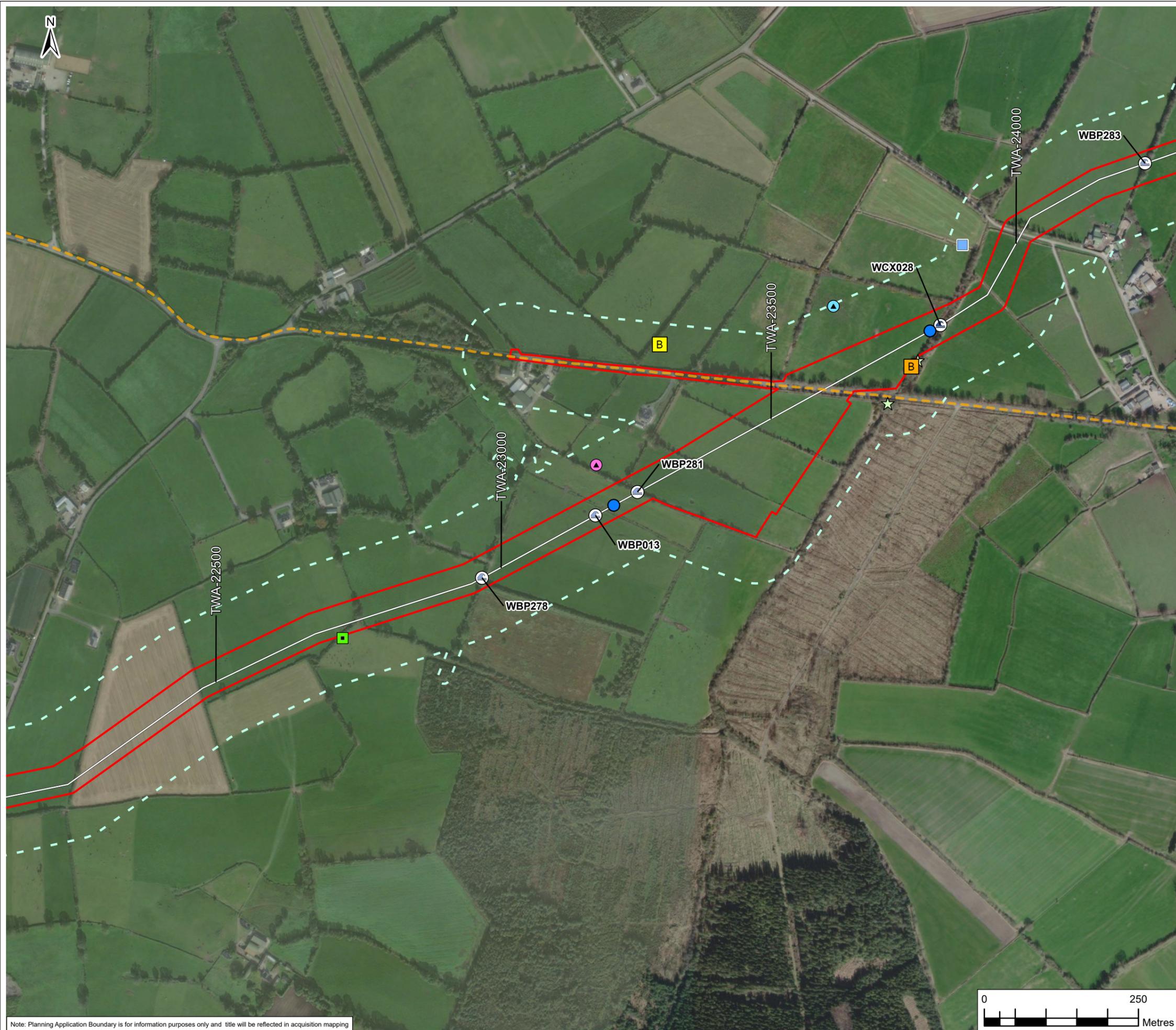
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Legend*

Planning Application Boundary	Badger Activity 2016
Indicative Pipeline	Badger Activity 2020
Haul Roads	Otter Activity 2019
Watercourse Crossing (WCX - EPA mapped)	Common Frog 2018
Watercourse Crossing (WBP - drains)	Irish Hare 2017
Washout Valve (WB)	Irish Hare 2018
Study Area	Rabbit 2022

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				



Client: Uisce Éireann, Tionscadal Soláthair Uisce
 Project: Water Supply Project Eastern and Midlands Region

Drawing Title: Figure 8.149 Protected Fauna Sheet 41 of 104

Drawing Status: Final - Planning Application

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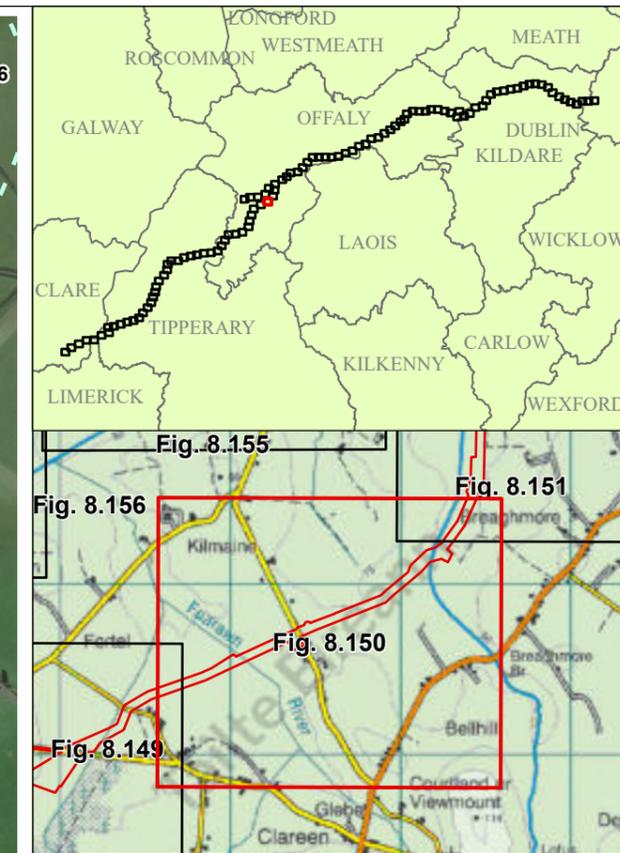
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



- Legend***
- Planning Application Boundary
 - Indicative Pipeline
 - Haul Roads
 - Watercourse Crossing (WCX - EPA mapped)
 - Watercourse Crossing (WBP - drains)
 - Washout Valve (WB)
 - Study Area
 - Badger Setts 2022
 - Badger Activity 2017
 - Badger Activity 2019
 - Badger Activity 2022
 - Badger Activity 2024
 - Otter Data
 - Otter Holts 2019
 - ☆ Otter Activity 2018
 - ☆ Otter Activity 2019
 - ☆ Otter Activity 2020
 - ☆ Otter Activity 2022

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.150
 Protected Fauna
 Sheet 42 of 104

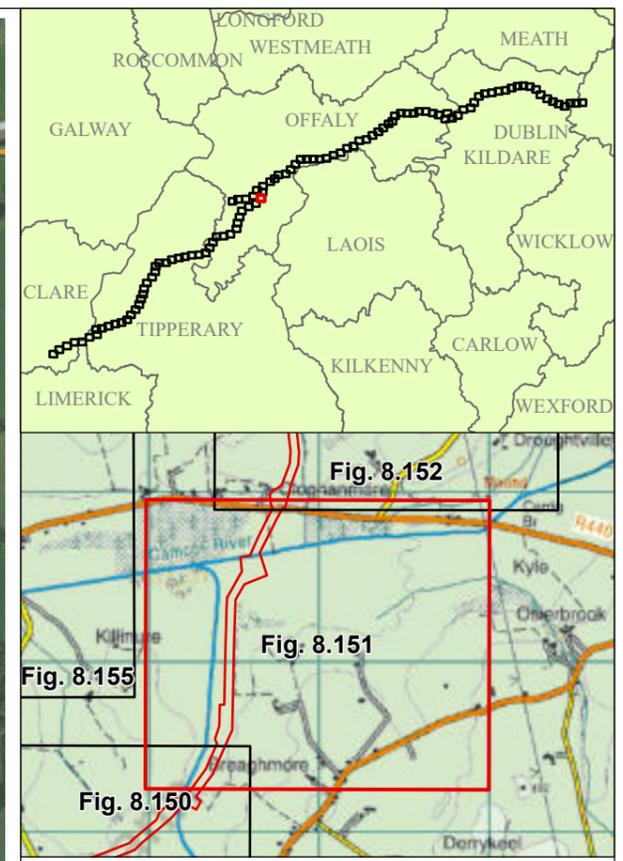
Drawing Status
 Final - Planning Application

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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Washout Valve (WB)	Otter Data
Study Area	Marsh Fritillary Study Area	Otter Activity 2018
Indicative Pipeline	Badger Data	Otter Activity 2019
Haul Roads	Badger Setts 2019	Otter Activity 2020
Watercourse Crossing (WCX - EPA mapped)	Badger Setts 2020	Otter Activity 2022
Watercourse Crossing (WBX - streams)	Badger Activity 2016	Otter Activity 2024
Watercourse Washout Location (WCW)	Badger Activity 2019	Pine Marten Data
Watercourse Crossing (WBP - drains)	Badger Activity 2020	Pine Marten 2018
Washout Valve (WA)	Badger Activity 2022	Common Frog 2016
		Common Frog 2018
		Other Mammal Data
		Rabbit 2024

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



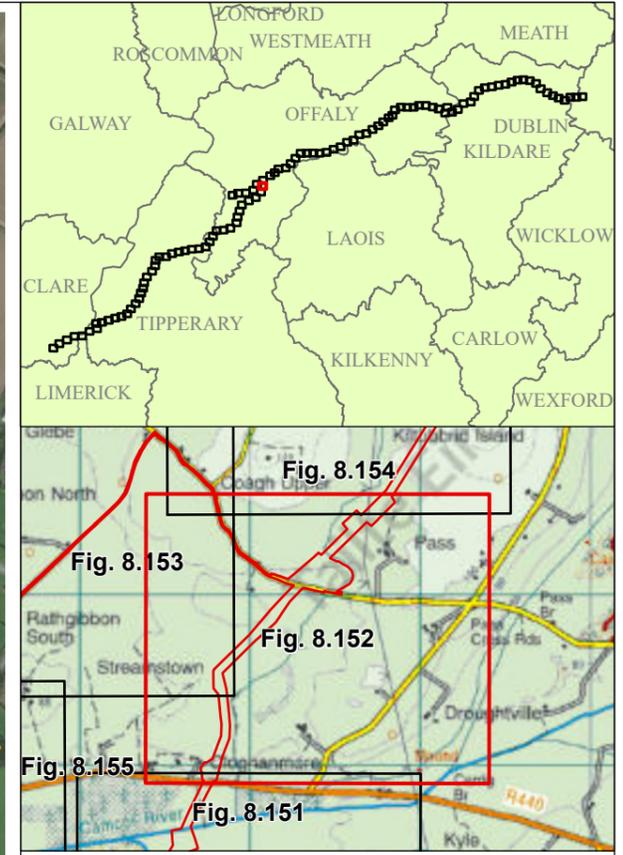
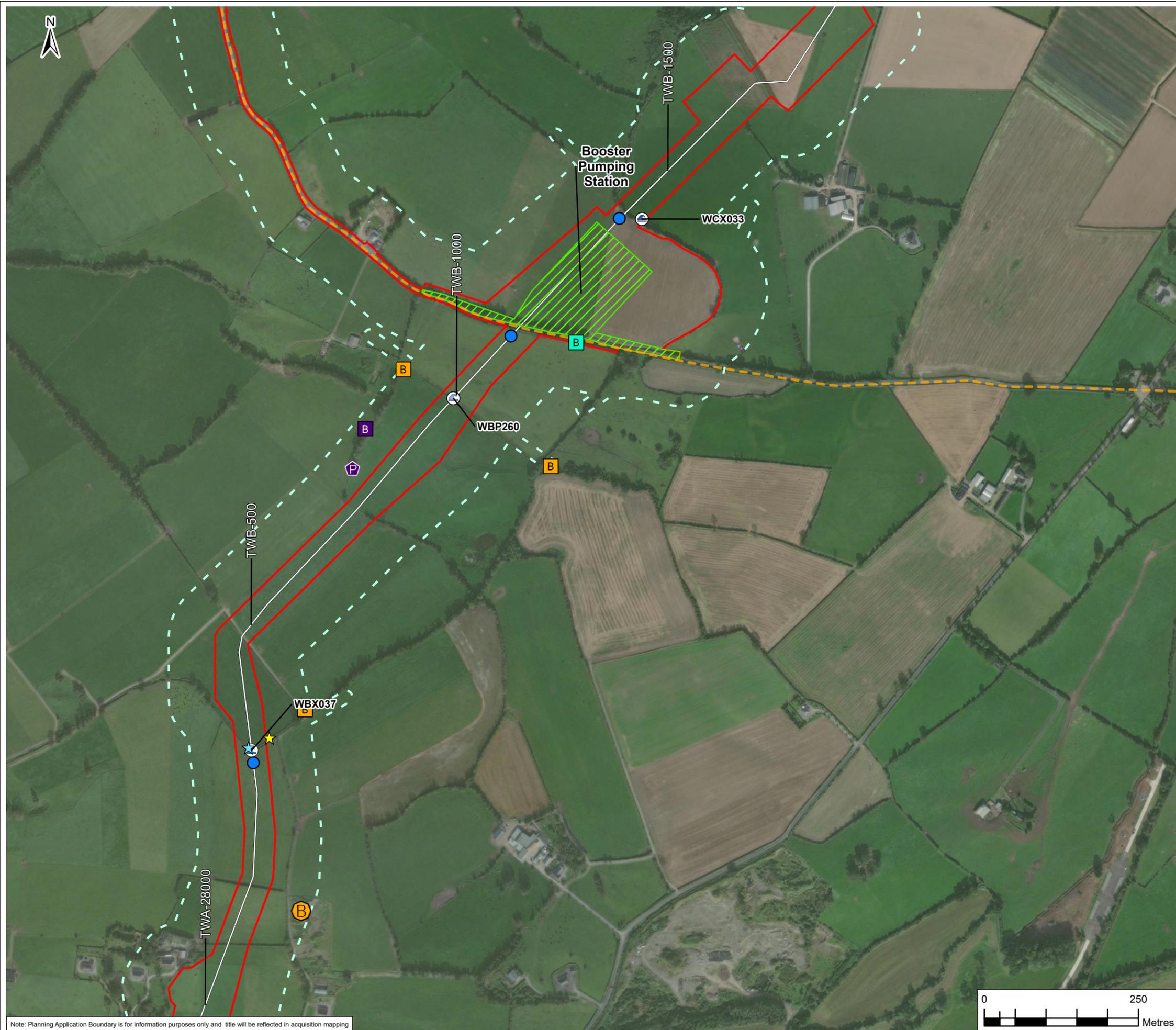
Client
Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.151
Protected Fauna
Sheet 43 of 104

Drawing Status
Final - Planning Application

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Legend*

Planning Application Boundary	Study Area
Indicative Pipeline	Badger Data
Haul Roads	Badger Setts 2020
Watercourse Crossing (WCX - EPA mapped)	Badger Activity 2020
Watercourse Crossing (WBX - streams)	Badger Activity 2024
Watercourse Crossing (WBP - drains)	Badger Activity 2025
Washout Valve (WB)	Otter Data
Booster Pumping Station	Otter Activity 2016
	Otter Activity 2018
	Pine Marten Data
	Pine Marten 2025

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd



Client
Uisce Éireann (Irish Water) / Tionscadal Soláthair Uisce Water Supply Project

Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.152
Protected Fauna
Sheet 44 of 104

Drawing Status
Final - Planning Application

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Client No.	9318	
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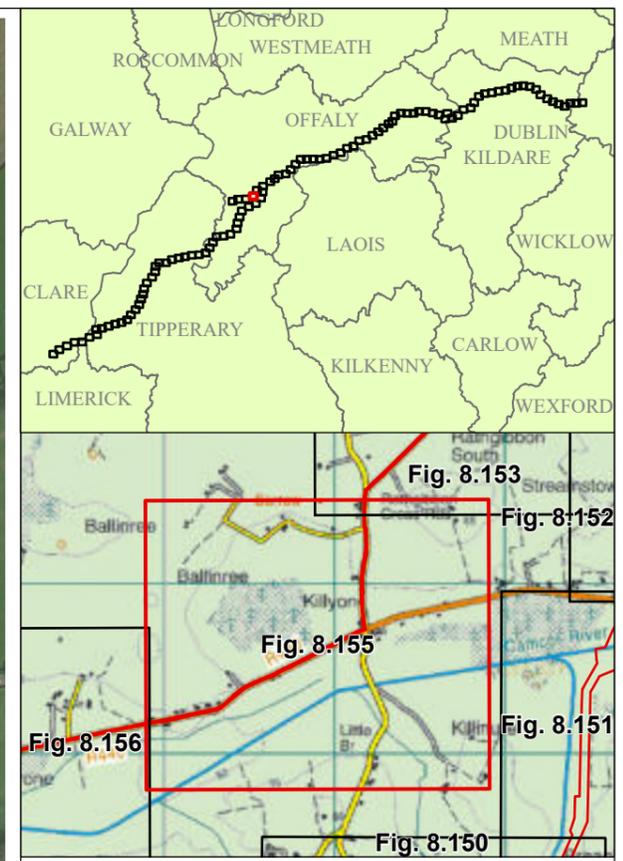
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Haul Roads
- Watercourse Crossing (WBX - streams)
- Study Area

Badger Data

- Badger Activity 2024

Potential Marsh Fritillary Data

- Devils Bit Scabious 2024

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
*Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				




Client




Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.155
Protected Fauna
Sheet 47 of 104

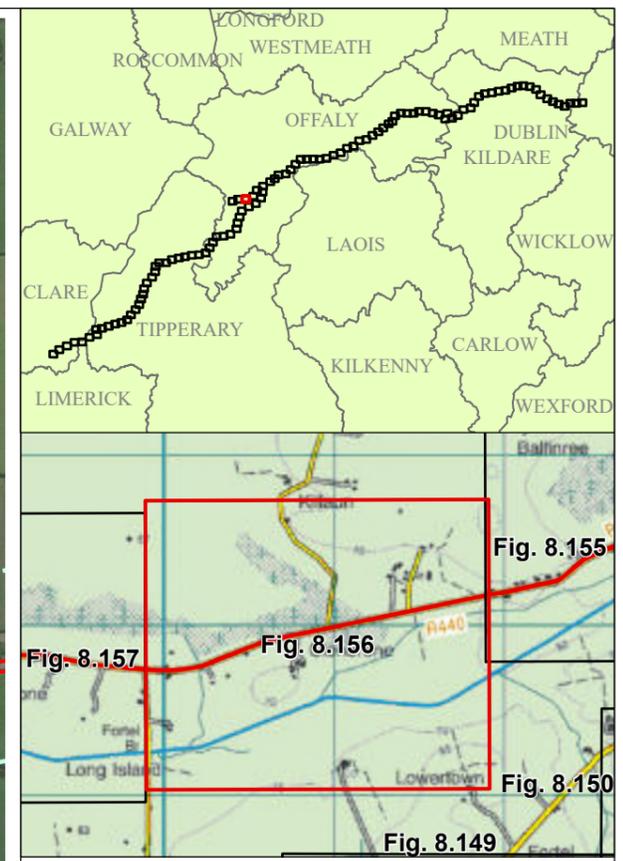
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Final - Planning Application

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Legend*

- Planning Application Boundary
- Haul Roads
- ⊙ Watercourse Crossing (WCX – EPA mapped)
- ⊙ Watercourse Crossing (WBX – streams)
- Study Area

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Jacobs TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.156
Protected Fauna
Sheet 48 of 104

Drawing Status

Final - Planning Application

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Client No.	9318	
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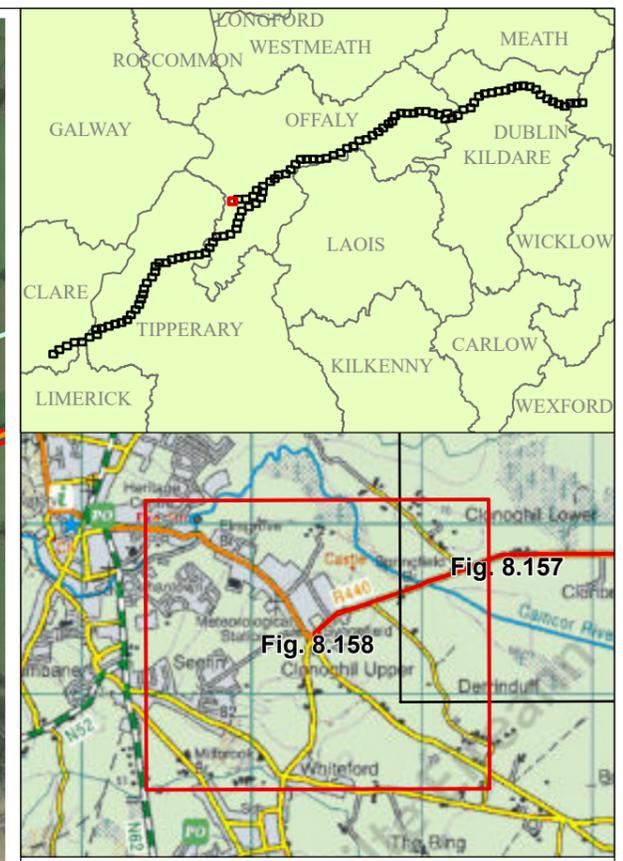
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Haul Roads
- Study Area
- Watercourse Crossing (WCX – EPA mapped)
- B Badger Activity 2024
- ▲ Fox 2024

Badger Data

- B Badger Activity 2024

Other Mammal Data

- ▲ Fox 2024

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.158
Protected Fauna
Sheet 50 of 104

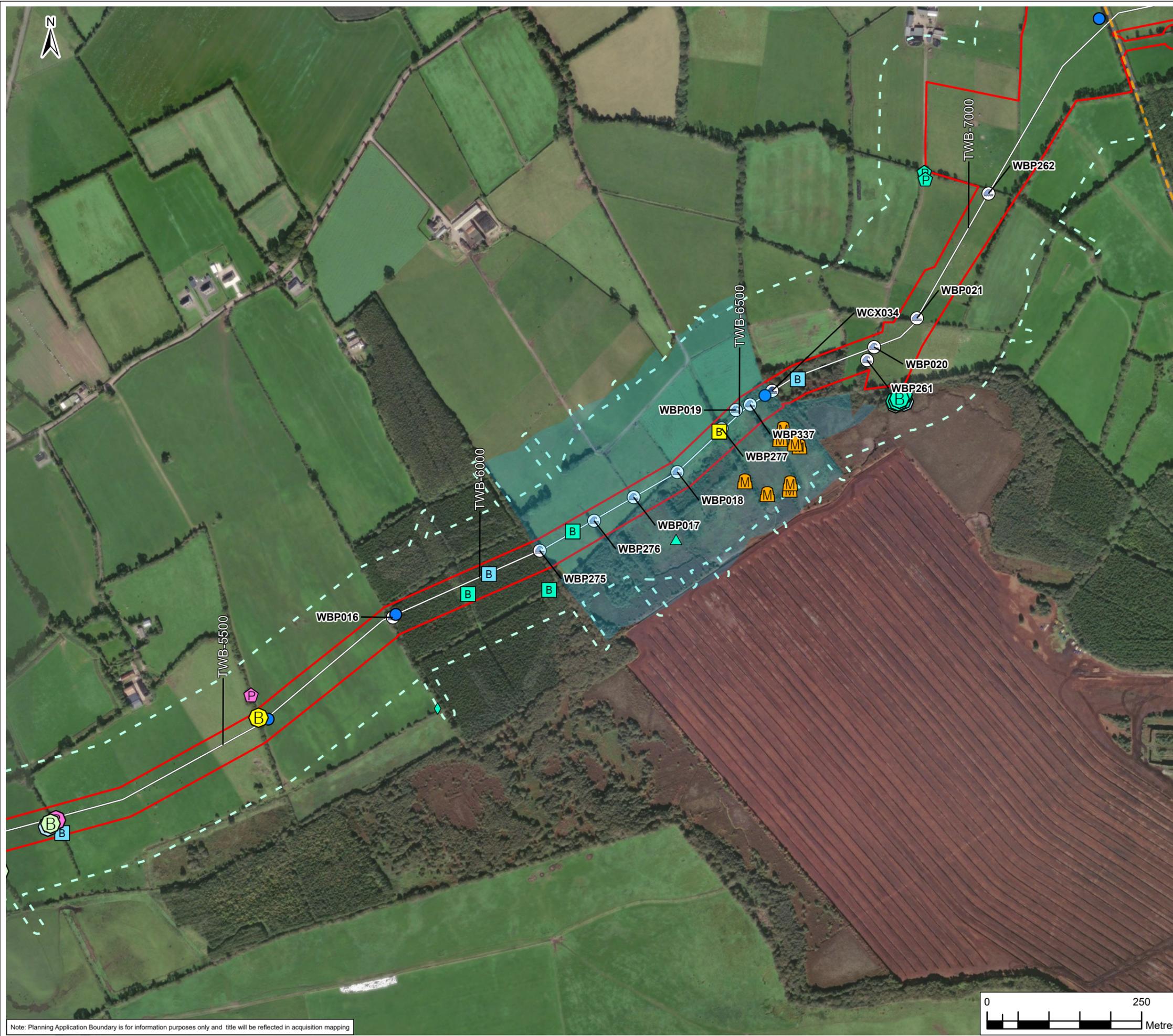
Drawing Status

Final - Planning Application

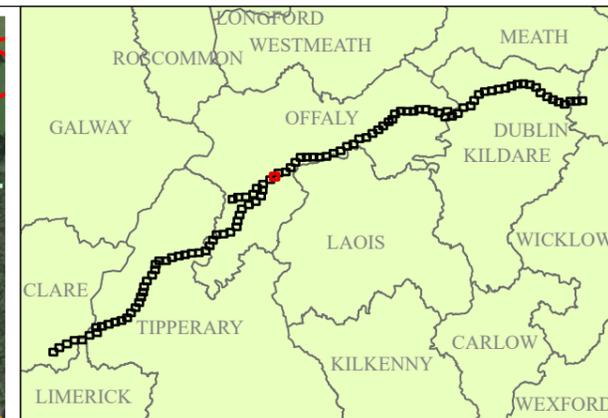
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



- Legend***
- Planning Application Boundary
 - Indicative Pipeline
 - Haul Roads
 - ⊙ Watercourse Crossing (WCX - EPA mapped)
 - ⊙ Watercourse Crossing (WBP - drains)
 - ⊙ Washout Valve (WB)
 - Study Area
 - Marsh Fritillary Study Area
 - ⊙ Badger Setts 2016
 - ⊙ Badger Setts 2017
 - ⊙ Badger Setts 2018
 - ⊙ Badger Setts 2019
 - ⊙ Badger Setts 2024
 - ⊙ Badger Activity 2016
 - ⊙ Badger Activity 2018
 - ⊙ Badger Activity 2024
 - ⊙ Pine Marten Data
 - ⊙ Pine Marten 2017
 - ⊙ Pine Marten 2024
 - ⊙ Potential Marsh Fritillary Data
 - ⊙ Devils Bit Scabious 2018
 - ⊙ Marsh Fritillary Data
 - ⊙ Marsh Fritillary 2020
 - ⊙ Other Mammal Data
 - ⊙ Deer spp 2024
 - ⊙ Fallow Deer 2024
- RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage*
- *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.160
Protected Fauna
Sheet 52 of 104

Drawing Status

Final - Planning Application

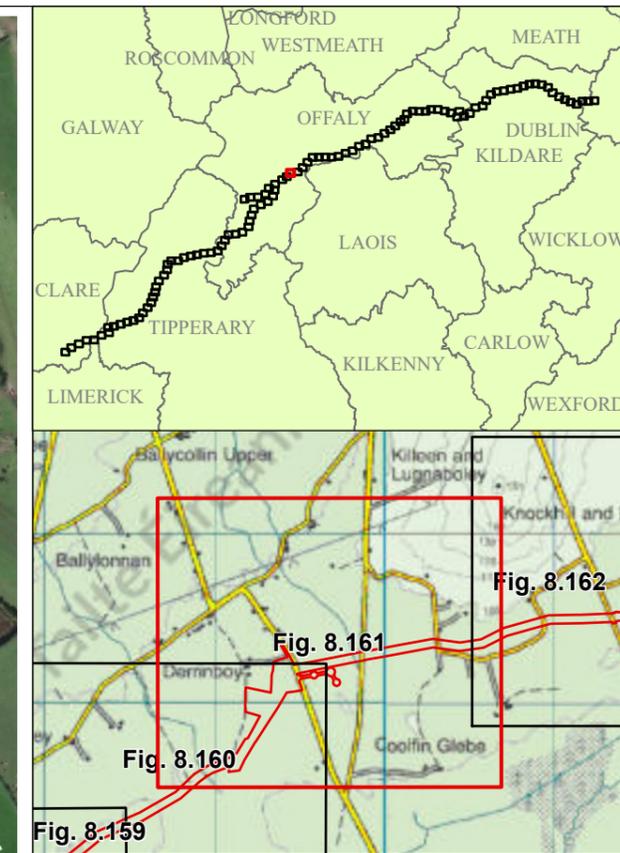
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WB)
- Study Area
- Marsh Fritillary Study Area
- Badger Setts 2018
- Badger Setts 2019
- Badger Setts 2024
- Badger Activity 2016
- Badger Activity 2018
- Pine Marten Data
- Pine Marten 2024
- Potential Marsh Fritillary Data
- Devils Bit Scabious 2018
- Marsh Fritillary Data
- Marsh Fritillary 2020
- Badger Data
- Badger Setts 2017

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client: Uisce Éireann, Tionscadal Soláthair Uisce Water Supply Project

Project: Water Supply Project Eastern and Midlands Region

Drawing Title: Figure 8.161 Protected Fauna Sheet 53 of 104

Drawing Status: Final - Planning Application

Scale @ A3: 1:6,000 DO NOT SCALE

Jacobs No.: 32105801

Client No.: 9318

Drawing No.: 32105801/700/1487

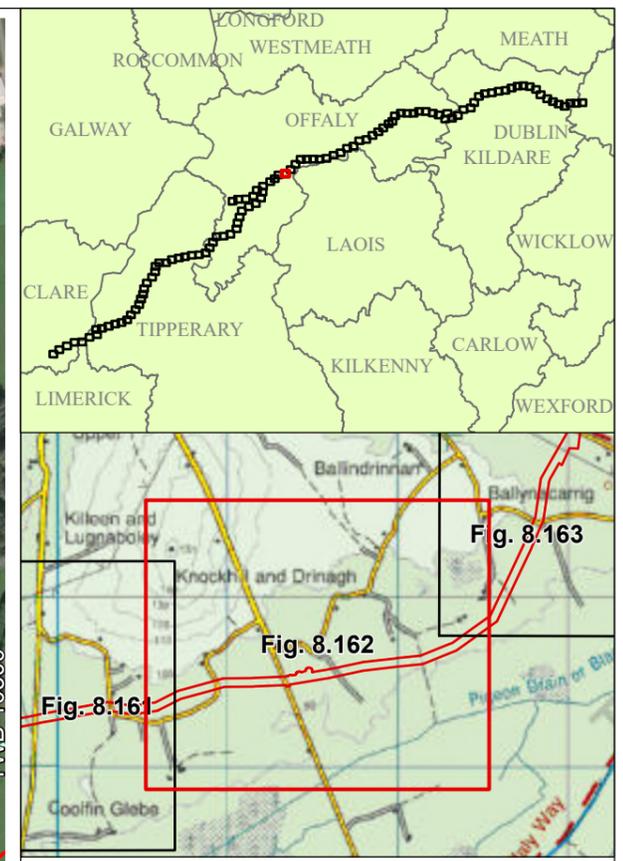
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Indicative Pipeline
- Watercourse Crossing (WBX - streams)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Badger Setts 2017
- Badger Setts 2019
- Badger Setts 2020
- Badger Setts 2022
- Badger Setts 2024
- B Badger Activity 2019
- B Badger Activity 2024

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Jacobs

TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.162
Protected Fauna
Sheet 54 of 104

Drawing Status

Final - Planning Application

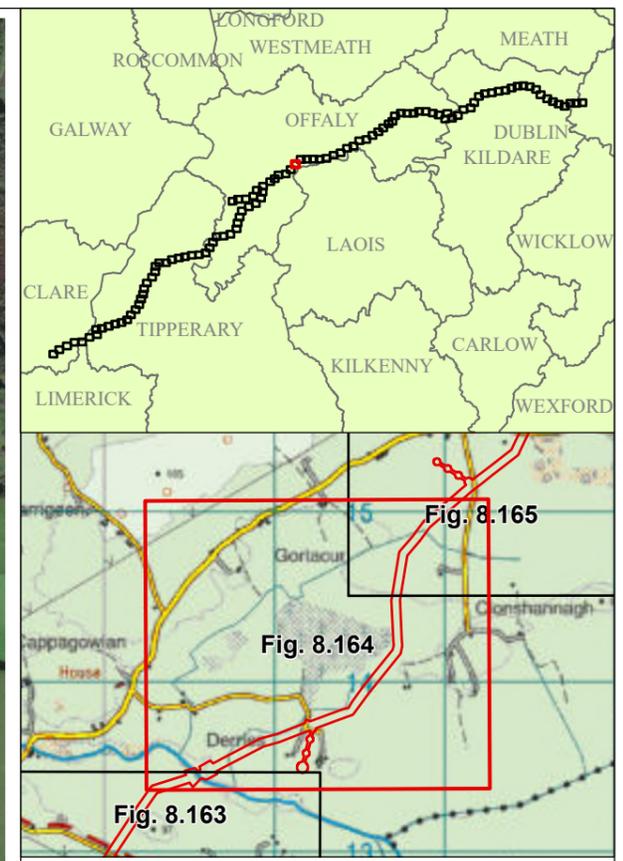
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Indicative Pipeline
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Marsh Fritillary Study Area
- Badger Data
 - Badger Setts 2018
 - Badger Setts 2019
 - Badger Setts 2022
 - Badger Setts 2024
 - Badger Activity 2018
 - Badger Activity 2020
- Badger Activity 2021
- Badger Activity 2022
- Badger Activity 2024
- Other Data
 - Otter Holts 2018
 - Otter Activity 2016
 - Otter Activity 2018
 - Otter Activity 2024
 - Other Mammal Data
 - Irish Hare 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

JACOBS TOBIN

Client: **Uisce Éireann** (Irish Water) and **Tionscadal Soláthair Uisce** (Water Supply Project)

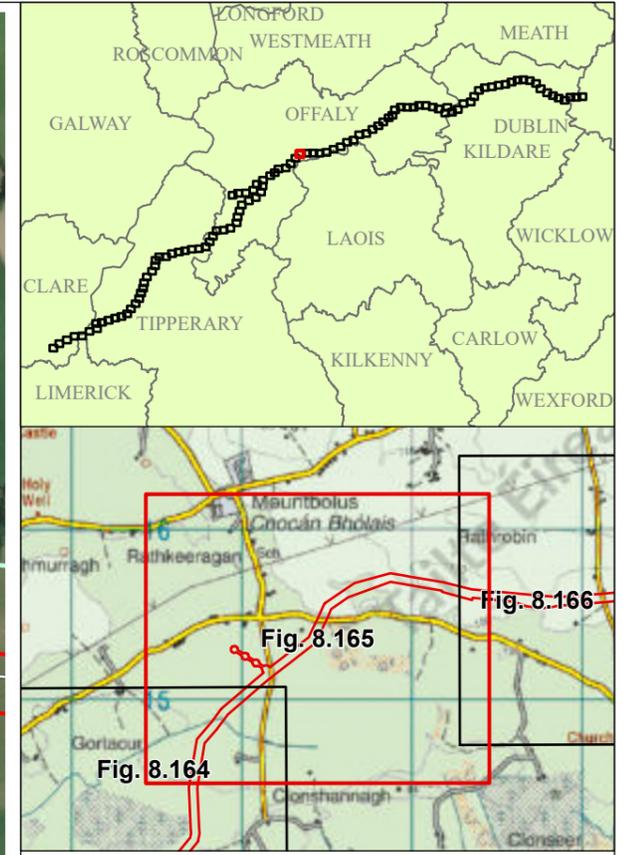
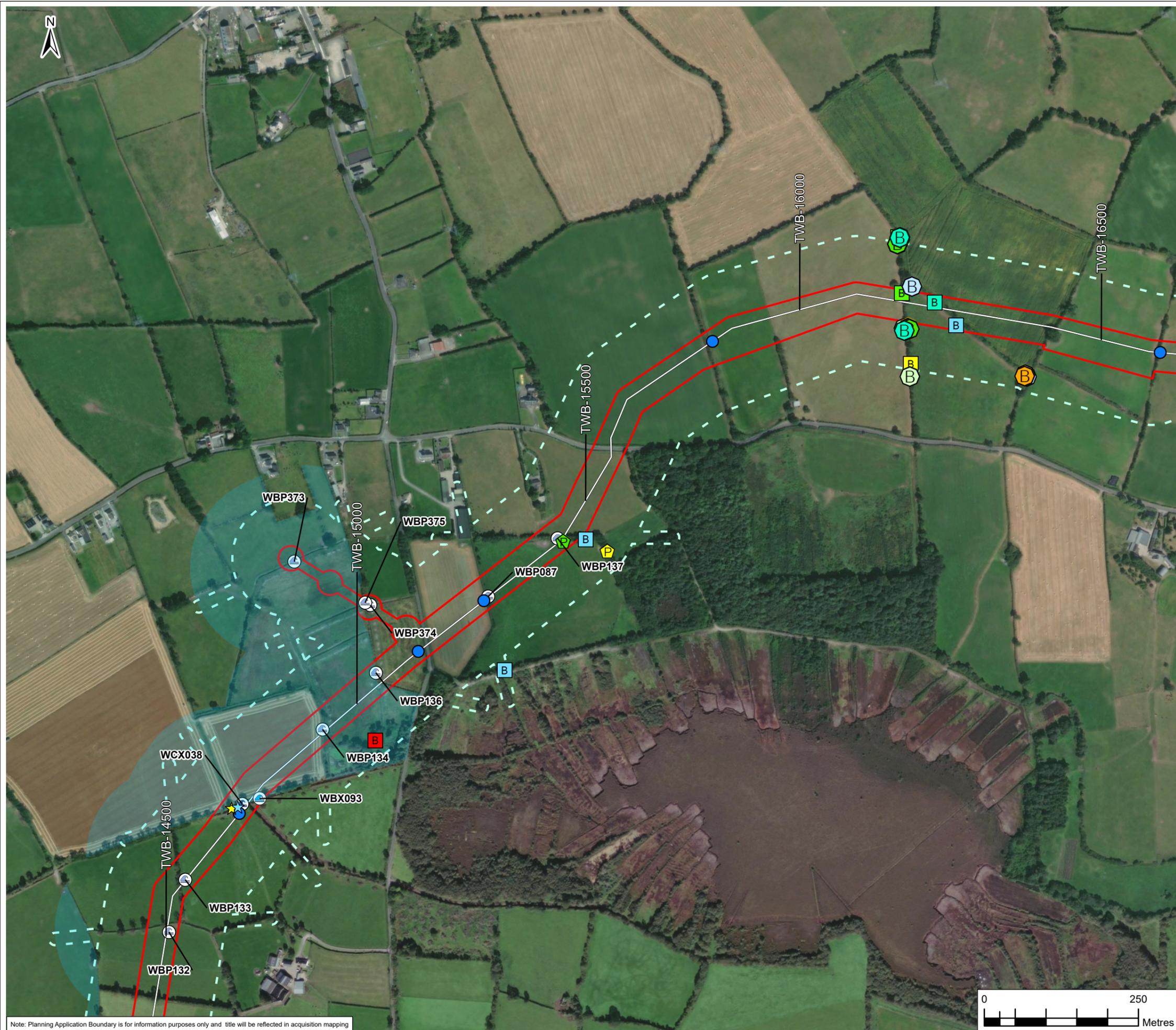
Project: **Water Supply Project Eastern and Midlands Region**

Drawing Title: **Figure 8.164 Protected Fauna Sheet 56 of 104**

Drawing Status: **Final - Planning Application**

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Legend*

Planning Application Boundary	Badger Sets 2016	Badger Activity 2022
Indicative Pipeline	Badger Sets 2017	Badger Activity 2024
Watercourse Crossing (WCX - EPA mapped)	Badger Sets 2018	Otter Activity 2016
Watercourse Crossing (WBX - streams)	Badger Sets 2019	Otter Activity 2018
Watercourse Crossing (WBP - drains)	Badger Sets 2020	Pine Marten Data
Washout Valve (WB)	Badger Sets 2022	Pine Marten 2016
Study Area	Badger Sets 2024	Pine Marten 2022
Marsh Fritillary Study Area	Badger Activity 2016	Other Mammal Data
	Badger Activity 2018	Irish Hare 2018
	Badger Activity 2021	

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client:

Project: Water Supply Project Eastern and Midlands Region

Drawing Title: Figure 8.165 Protected Fauna Sheet 57 of 104

Drawing Status: Final - Planning Application

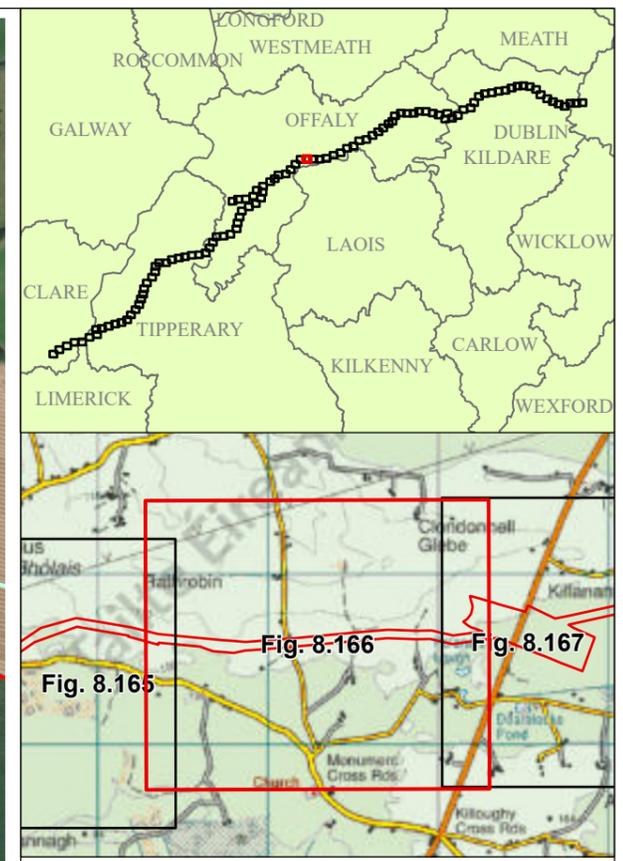
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



- Legend*
- Planning Application Boundary
 - Indicative Pipeline
 - Haul Roads
 - Washout Valve (WB)
 - Study Area
- Badger Data
- B Badger Setts 2025
- Other Mammal Data
- Irish Hare 2022
- RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				
			Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.166
Protected Fauna
Sheet 58 of 104

Drawing Status

Final - Planning Application

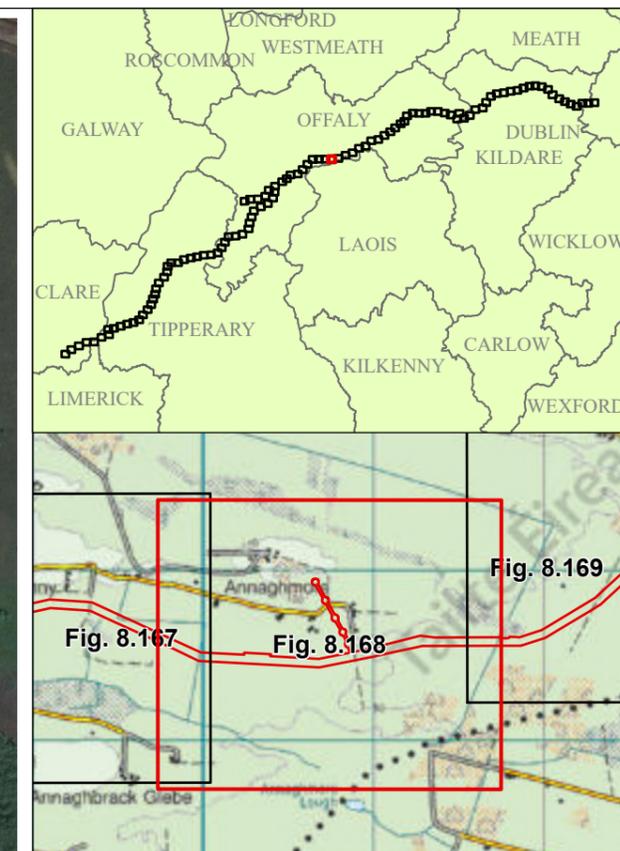
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Legend*

- ▭ Planning Application Boundary
- Indicative Pipeline
- Watercourse Crossing (WBX – streams)
- Washout Valve (WB)
- Watercourse Crossing (WBP – drains)
- Study Area
- ▲ Other Mammal Data
- ▲ Fox 2022

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
 Water Supply Project
 Eastern and Midlands Region

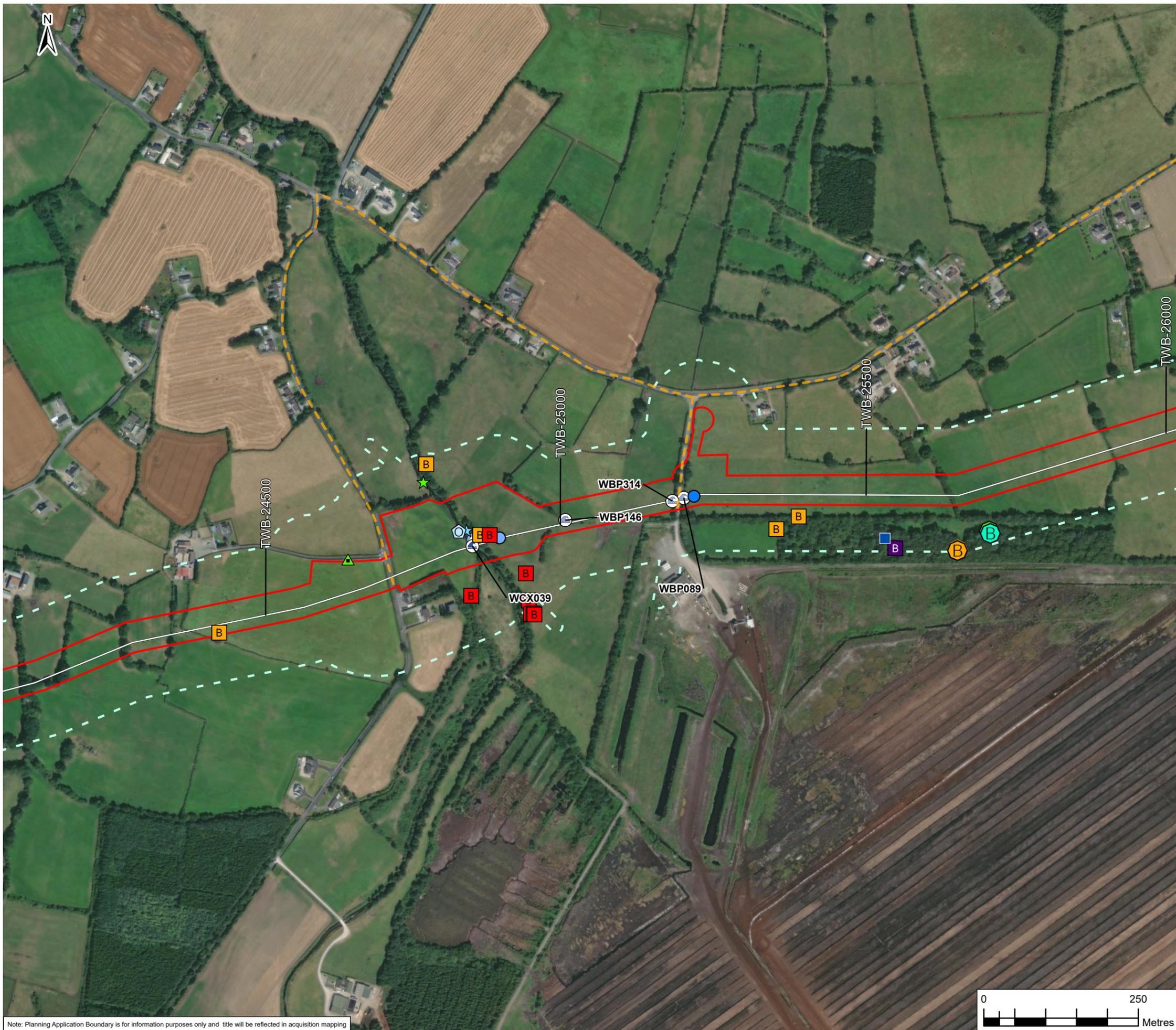
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 Figure 8.168
 Protected Fauna
 Sheet 60 of 104

Drawing Status
 Final - Planning Application

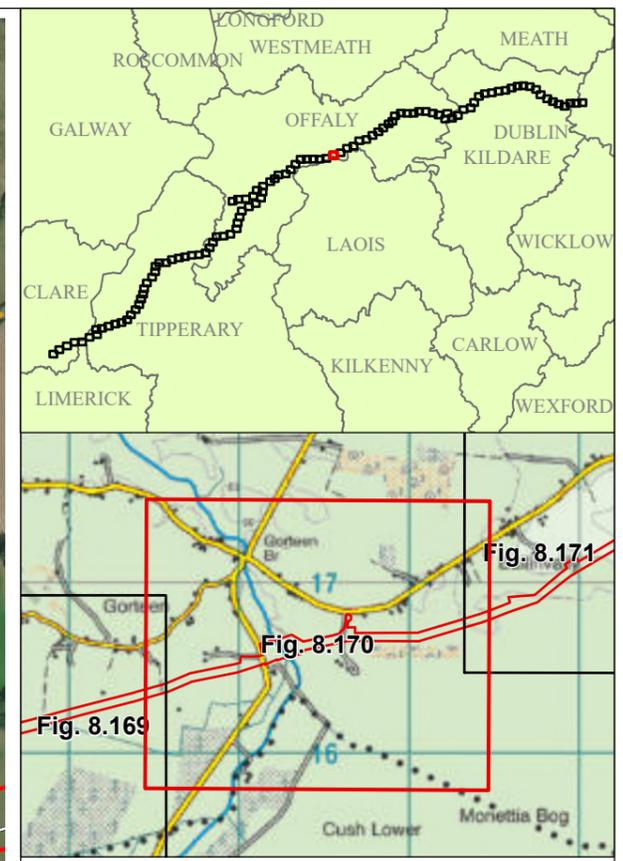
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- [Red Line] Planning Application Boundary
- [Green Circle] Badger Setts 2022
- [Dashed White Line] Indicative Pipeline
- [Blue Circle] Badger Setts 2024
- [Yellow Dashed Line] Haul Roads
- [Yellow Square] Badger Activity 2020
- [Blue Circle with Star] Watercourse Crossing (WCX - EPA mapped)
- [Red Square] Badger Activity 2021
- [Blue Circle with Star] Watercourse Washout Location (WCW)
- [Purple Square] Badger Activity 2025
- [Blue Circle with Star] Watercourse Crossing (WBP - drains)
- [Blue Star] Otter Data
- [Blue Circle] Washout Valve (WA)
- [Blue Star] Otter Holts 2018
- [Blue Circle] Washout Valve (WB)
- [Green Star] Otter Activity 2018
- [Green Triangle] Study Area
- [Green Star] Otter Activity 2022
- [Green Triangle] Fox 2022
- [Blue Triangle] Other Mammal Data
- [Blue Triangle] Unknown Mammals 2024/2025
- [Yellow Circle] Badger Setts 2020

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

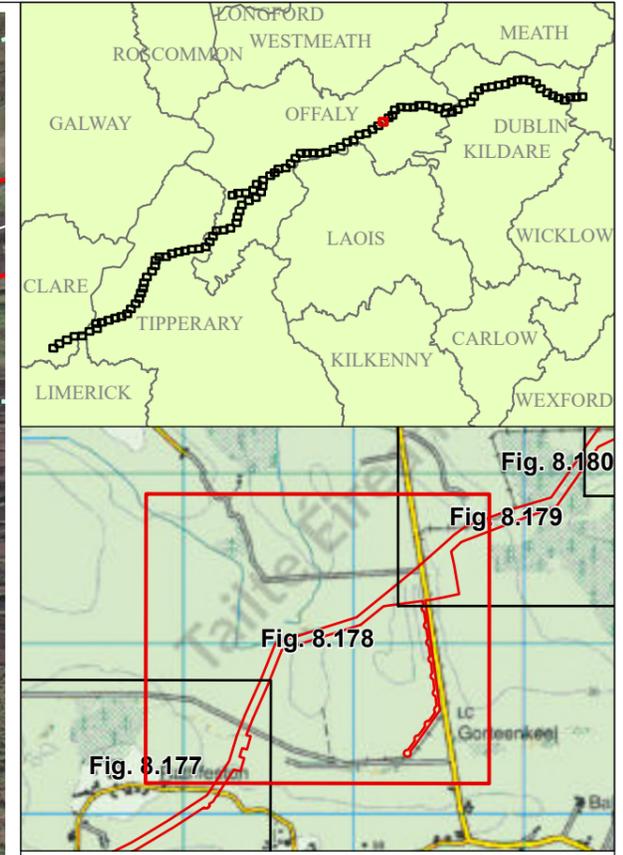
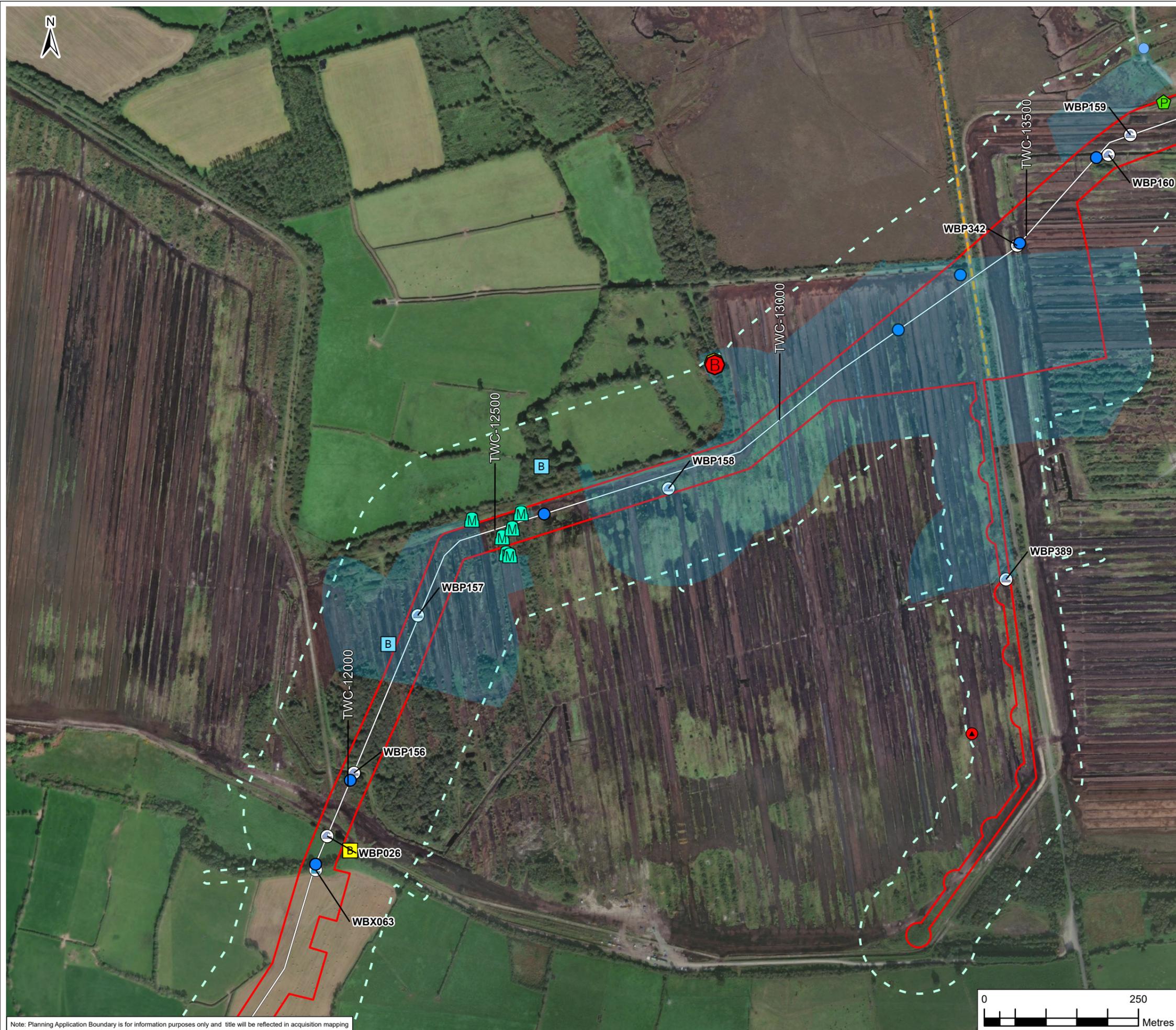
Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.170
 Protected Fauna
 Sheet 62 of 104

Drawing Status
 Final - Planning Application

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Legend*

Planning Application Boundary	Badger Setts 2019
Indicative Pipeline	Badger Setts 2021
Haul Roads	Badger Activity 2016
Watercourse Crossing (WBX - streams)	Badger Activity 2018
Watercourse Crossing (WBP - drains)	Pine Marten Data
Washout Valve (WB)	Pine Marten 2022
Study Area	Potential Marsh Fritillary Data
Marsh Fritillary Study Area	Devils Bit Scabious 2018
	Marsh Fritillary Data
Badger Data	Marsh Fritillary 2024
Badger Setts 2016	Other Mammal Data
	Irish Hare 2021

*RW-xxx - Raw Water Chaiage TW-xxx - Treated Water Chaiage *Where data overlaps, the most recent record is illustrated on the figure*

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.178
Protected Fauna
Sheet 70 of 104

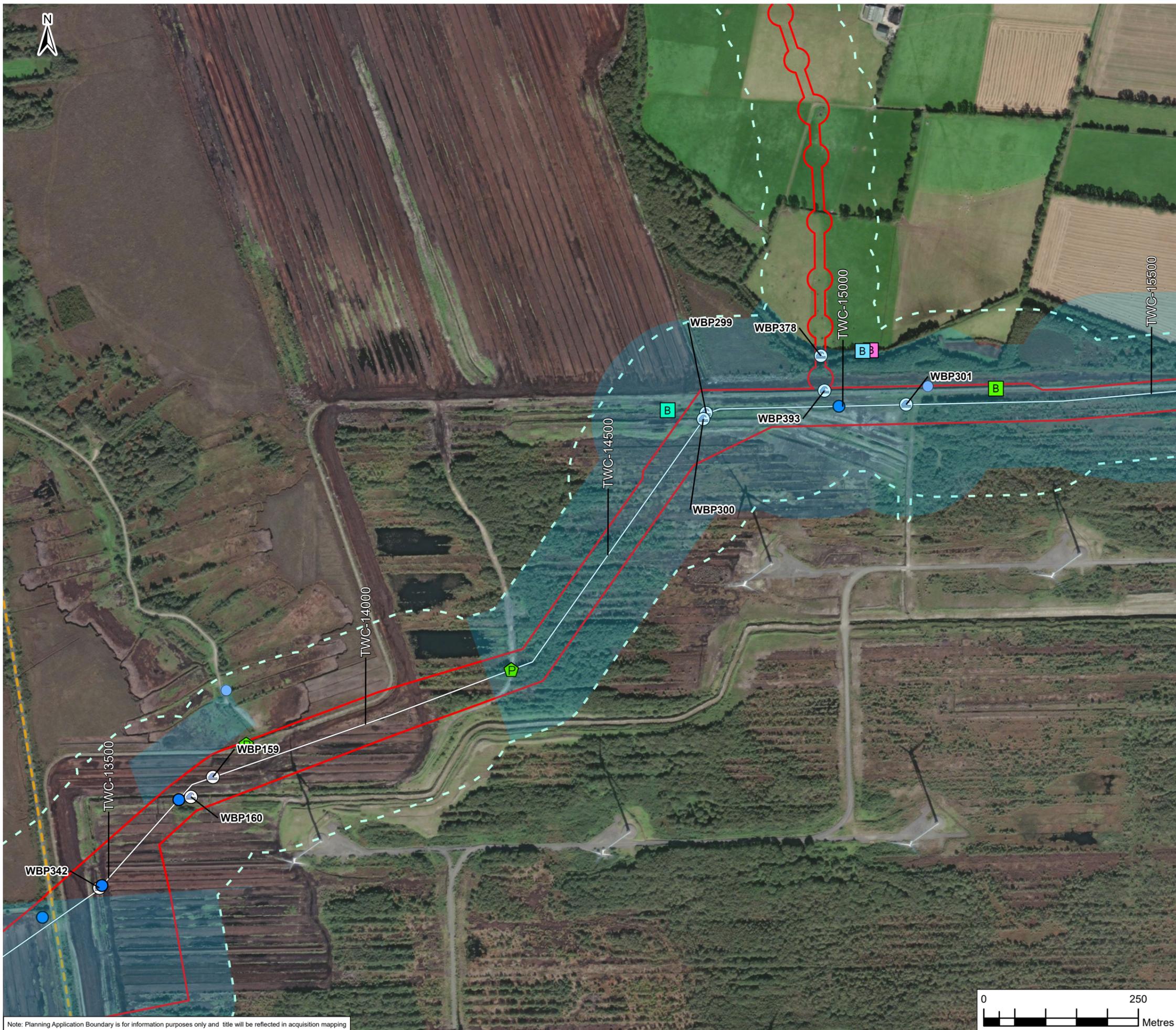
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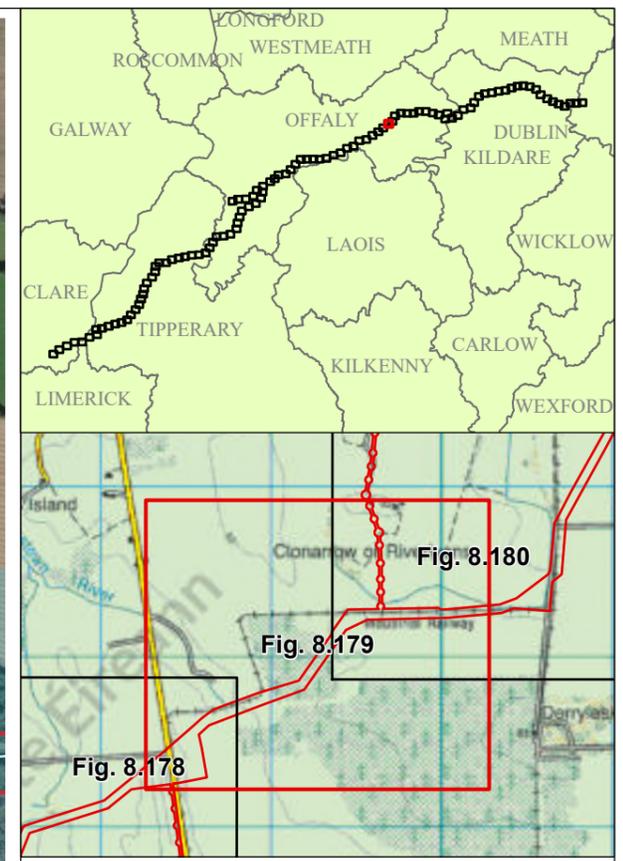
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Badger Activity 2017
Indicative Pipeline	Badger Activity 2018
Haul Roads	Badger Activity 2022
Watercourse Crossing (WBP - drains)	Badger Activity 2024
Washout Valve (WB)	Pine Marten Data
Study Area	Pine Marten 2022
Marsh Fritillary Study Area	Potential Marsh Fritillary Data
	Devils Bit Scabious 2018

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client:

Project: Water Supply Project Eastern and Midlands Region

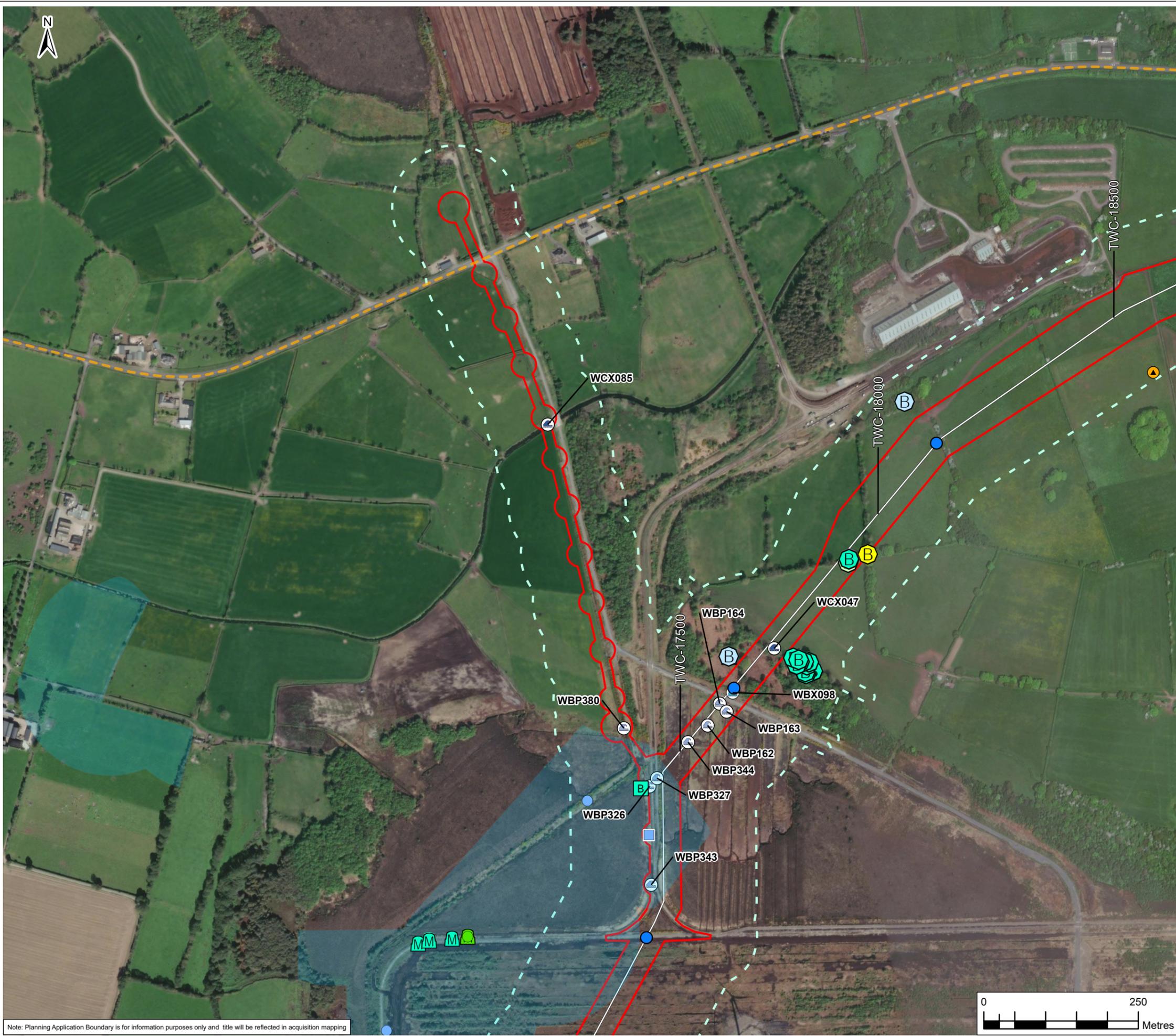
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Drawing Status: Final - Planning Application

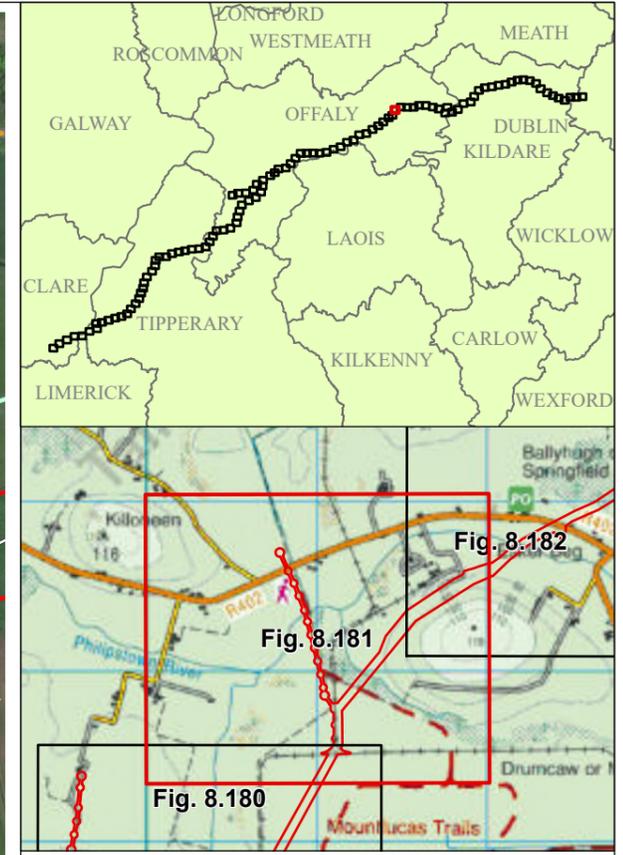
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WB)
- Study Area
- Marsh Fritillary Study Area
- Badger Data
- Badger Setts 2016
- Badger Setts 2017
- Badger Setts 2018
- Badger Setts 2019
- Badger Setts 2020
- Badger Setts 2024
- Badger Activity 2019
- Badger Activity 2024
- Common Frog 2018
- Potential Marsh Fritillary Data
- Devils Bit Scabious 2018
- Devils Bit Scabious 2022
- Marsh Fritillary Data
- Marsh Fritillary 2022
- Marsh Fritillary 2024
- Other Mammal Data
- Irish Hare 2020

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.181
Protected Fauna
Sheet 73 of 104

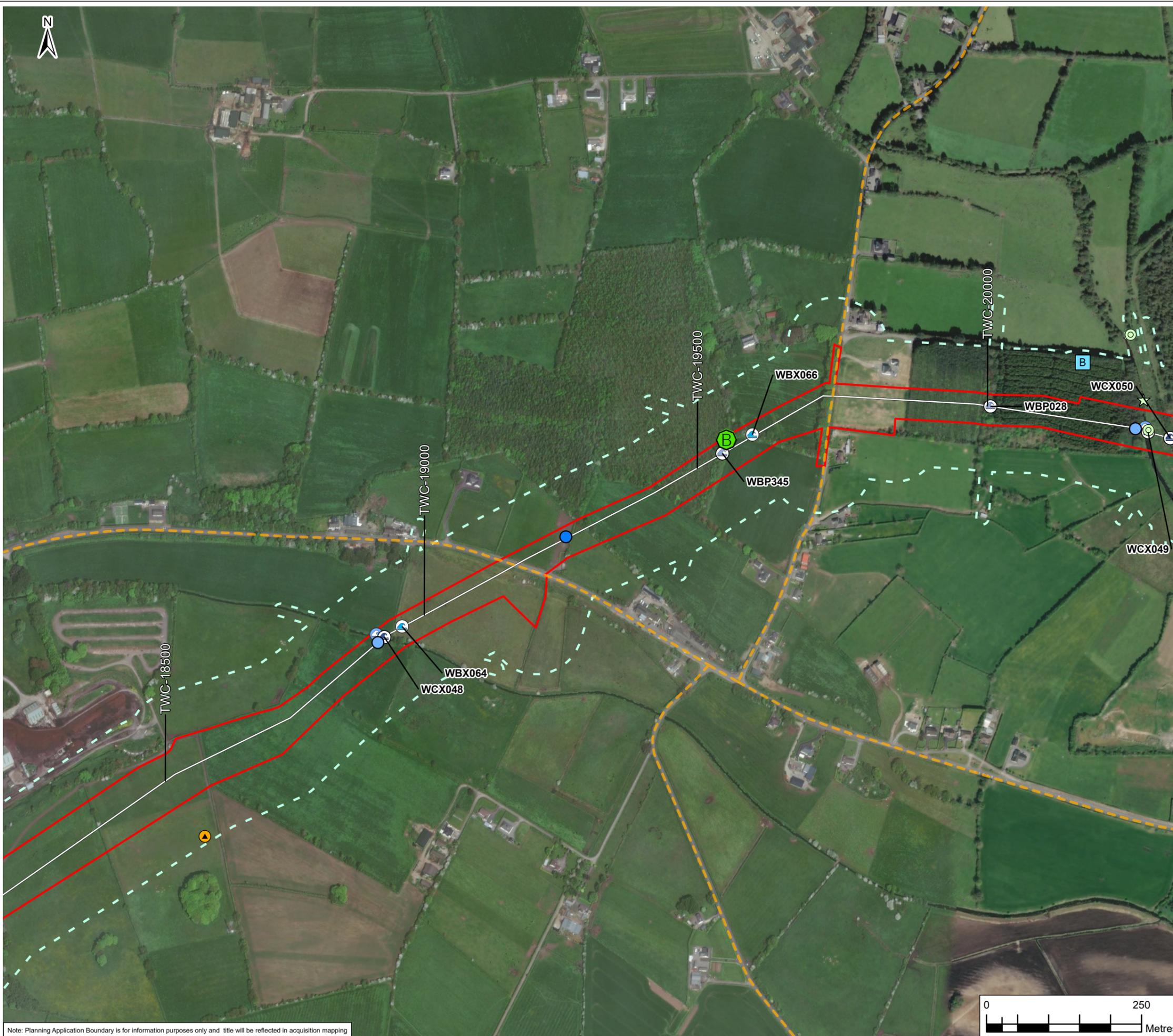
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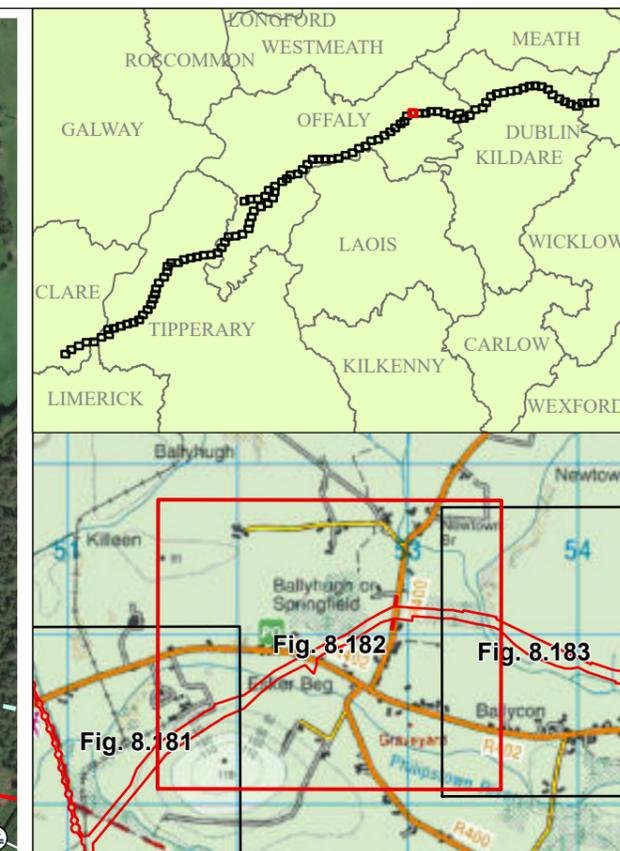
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

- ▭ Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Badger Setts 2022
- Badger Activity 2018
- ☆ Otter Activity 2019
- ▲ Irish Hare 2020
- Mink 2019

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs

TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.182
Protected Fauna
Sheet 74 of 104

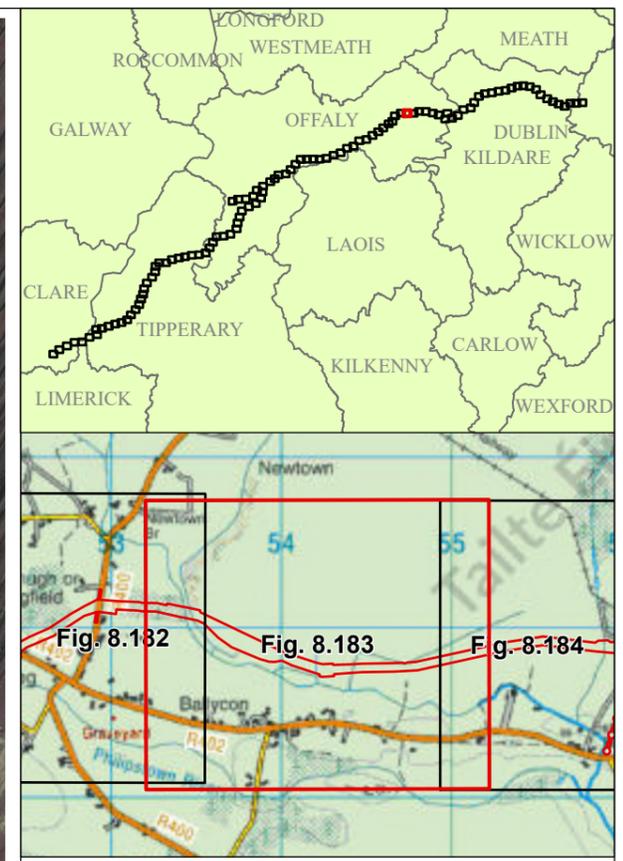
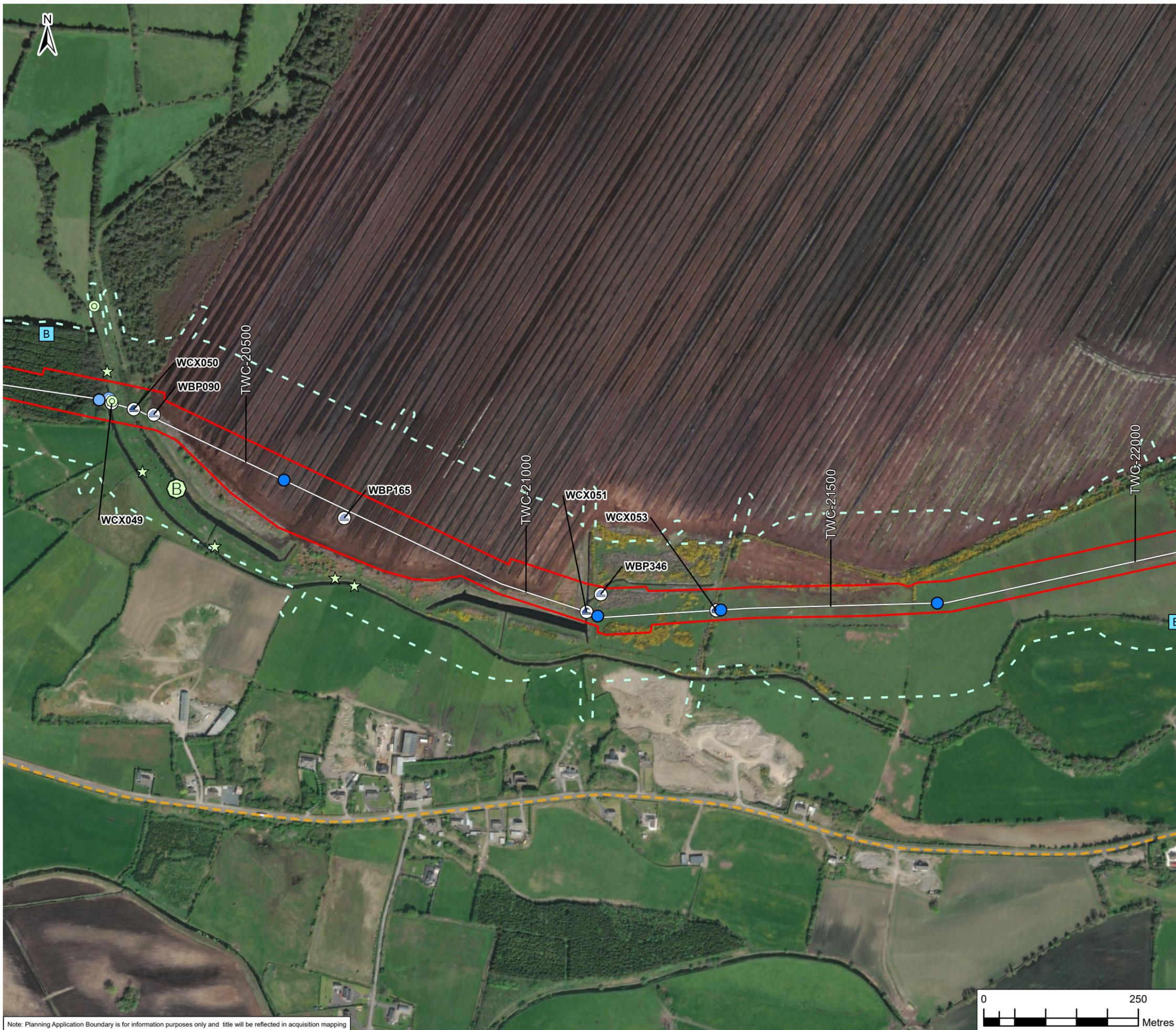
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Final - Planning Application

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Legend*

- Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Badger Data
 - Badger Setts 2019
 - Badger Activity 2018
- Otter Data
 - Otter Activity 2019
 - Other Mammal Data
 - Mink 2019

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage
*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client: **Uisce Éireann** Irish Water, **Tionscadal Soláthair Uisce** Water Supply Project

Project: **Water Supply Project Eastern and Midlands Region**

Drawing Title: **Figure 8.183 Protected Fauna Sheet 75 of 104**

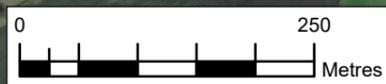
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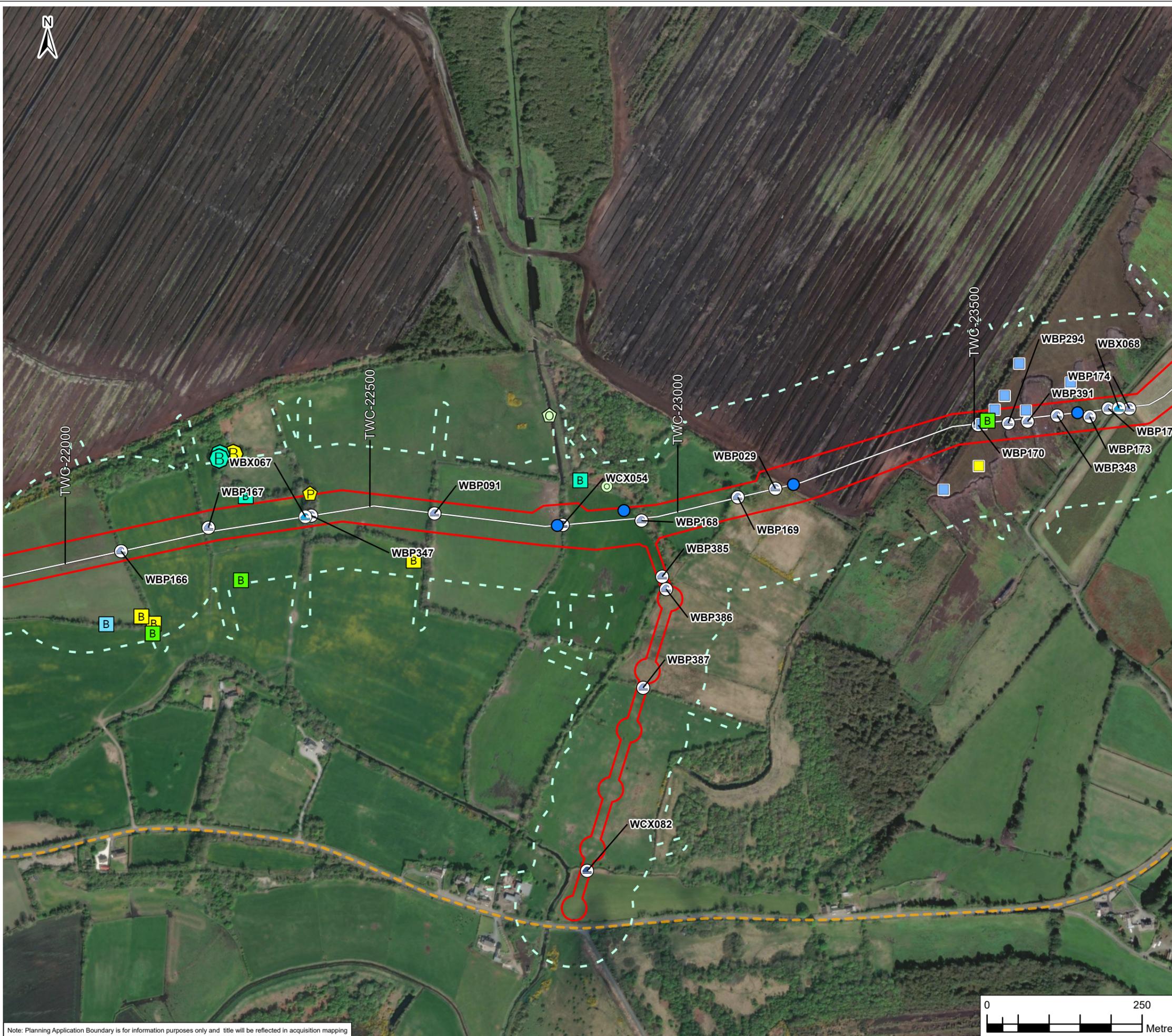
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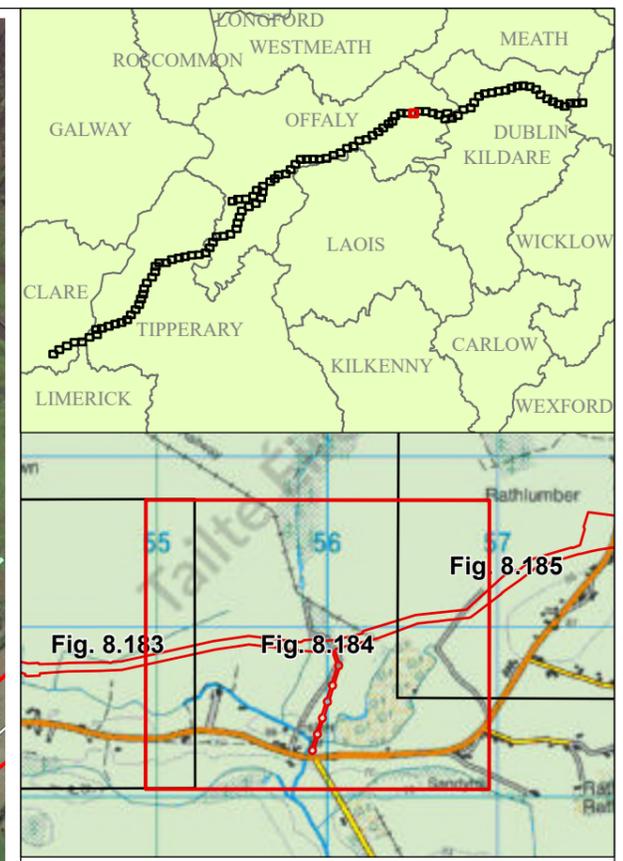
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Badger Setts 2024
Indicative Pipeline	Badger Activity 2016
Haul Roads	Badger Activity 2018
Watercourse Crossing (WCX - EPA mapped)	Badger Activity 2022
Watercourse Crossing (WBX - streams)	Badger Activity 2024
Watercourse Crossing (WBP - drains)	Otter Data
Washout Valve (WB)	Otter Holts 2019
Study Area	Pine Marten Data
	Pine Marten 2016
	Common Frog 2016
	Common Frog 2018
Badger Data	Other Mammal Data
Badger Setts 2016	Mink 2019
Badger Setts 2020	

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project
Water Supply Project
Eastern and Midlands Region

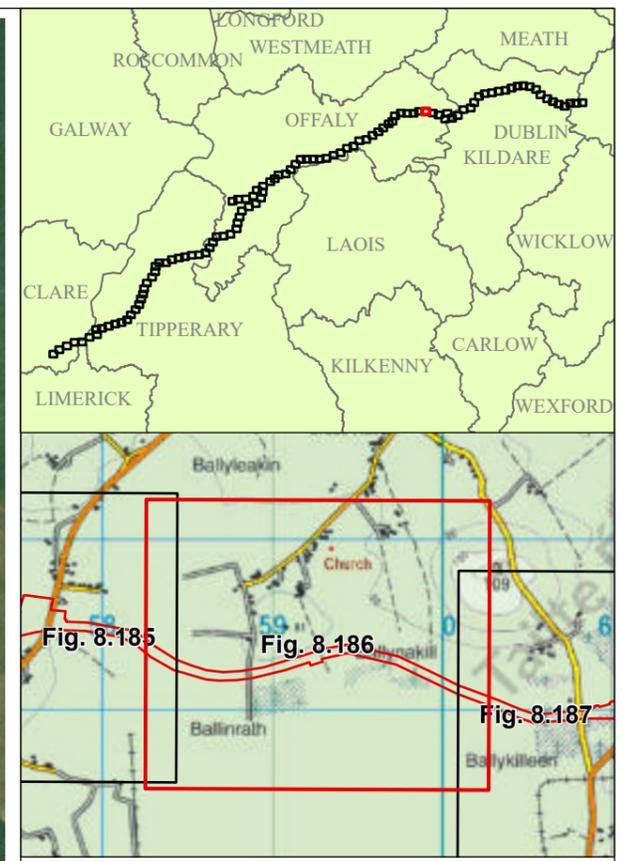
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Figure 8.184
Protected Fauna
Sheet 76 of 104

Drawing Status
Final - Planning Application

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Client No.	9318	
Drawing No.	32105801/700/1510	
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- Legend***
- Planning Application Boundary
 - Indicative Pipeline
 - Watercourse Crossing (WBX - streams)
 - Watercourse Crossing (WBP - drains)
 - Washout Valve (WB)
 - Study Area
 - Badger Setts 2018
 - Badger Setts 2019
 - Badger Setts 2020
 - Badger Setts 2024
 - Badger Activity 2016
 - Badger Activity 2020
 - Pine Marten Data
 - Pine Marten 2020

Badger Data

- Badger Setts 2016

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.186
Protected Fauna
Sheet 78 of 104

Drawing Status

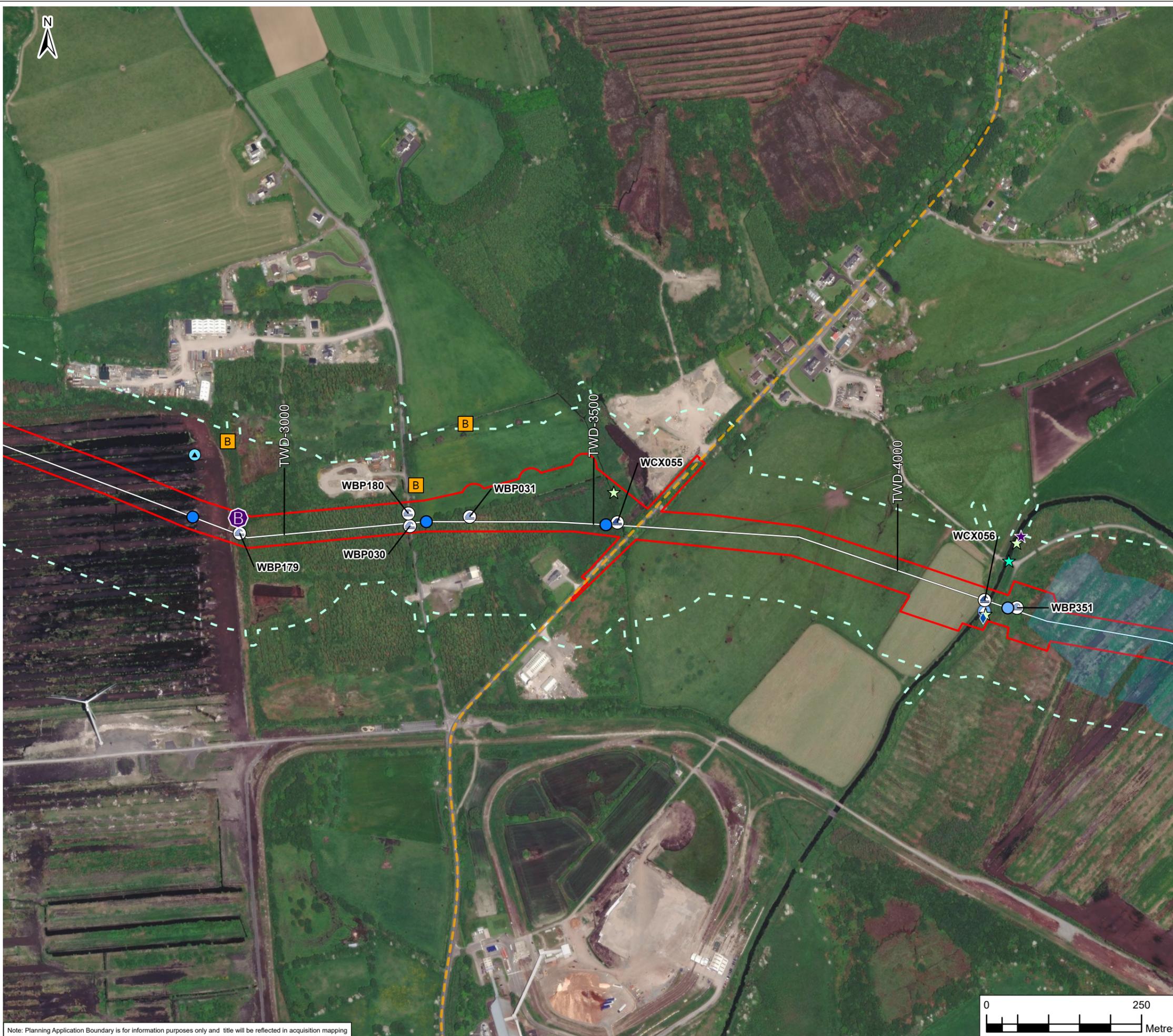
Final - Planning Application

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Drawing No.	32105801/700/1512	
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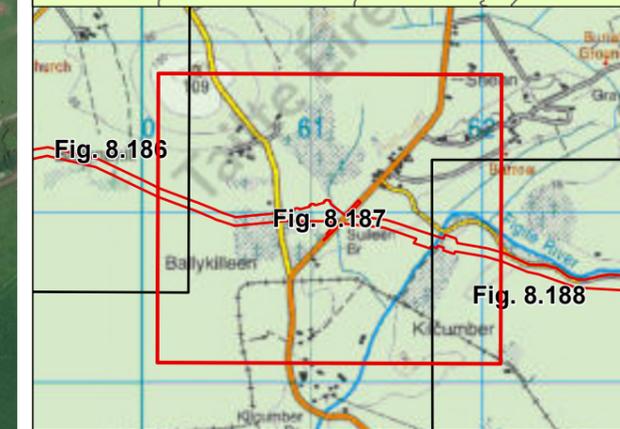
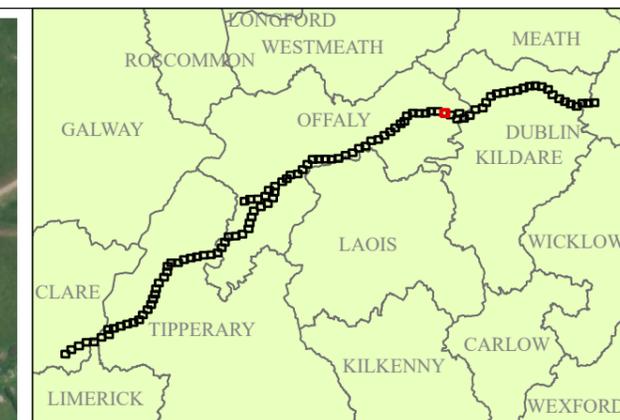
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



- Legend*
- Planning Application Boundary
 - Indicative Pipeline
 - Haul Roads
 - Watercourse Crossing (WCX - EPA mapped)
 - Watercourse Washout Location (WCW - drains)
 - Washout Valve (WA)
 - Washout Valve (WB)
 - Study Area
 - Marsh Fritillary Study Area
 - Badger Data**
 - Badger Setts 2025
 - B Badger Activity 2020
 - Otter Data**
 - ☆ Otter Activity 2019
 - ☆ Otter Activity 2024
 - ☆ Otter Activity 2025
 - Other Mammal Data**
 - ◆ Fallow Deer 2025
 - Irish Hare 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				



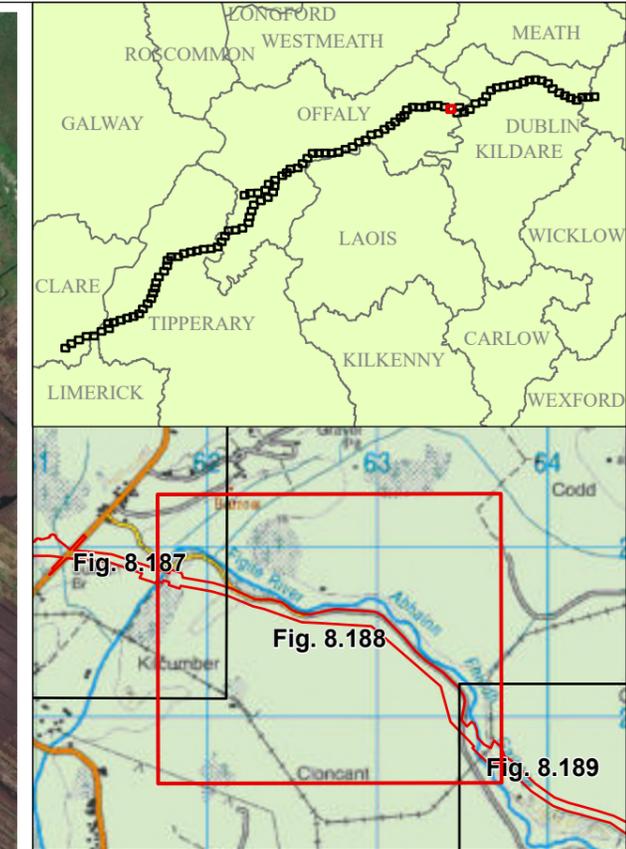
Client
 Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.187
 Protected Fauna
 Sheet 79 of 104

Drawing Status
 Final - Planning Application

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Client No.	9318	
Drawing No.	32105801/700/1513	
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Legend*

- Planning Application Boundary
- Indicative Pipeline
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Marsh Friltrary Study Area
- Badger Data
- Badger Activity 2024
- ☆ Otter Data
- ☆ Otter Activity 2019
- ☆ Otter Activity 2024
- ☆ Otter Activity 2025
- Other Mammal Data
- Irish Hare 2018

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Client:

Project: Water Supply Project
Eastern and Midlands Region

Drawing Title: Figure 8.188
Protected Fauna
Sheet 80 of 104

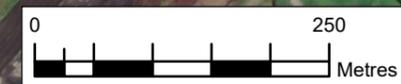
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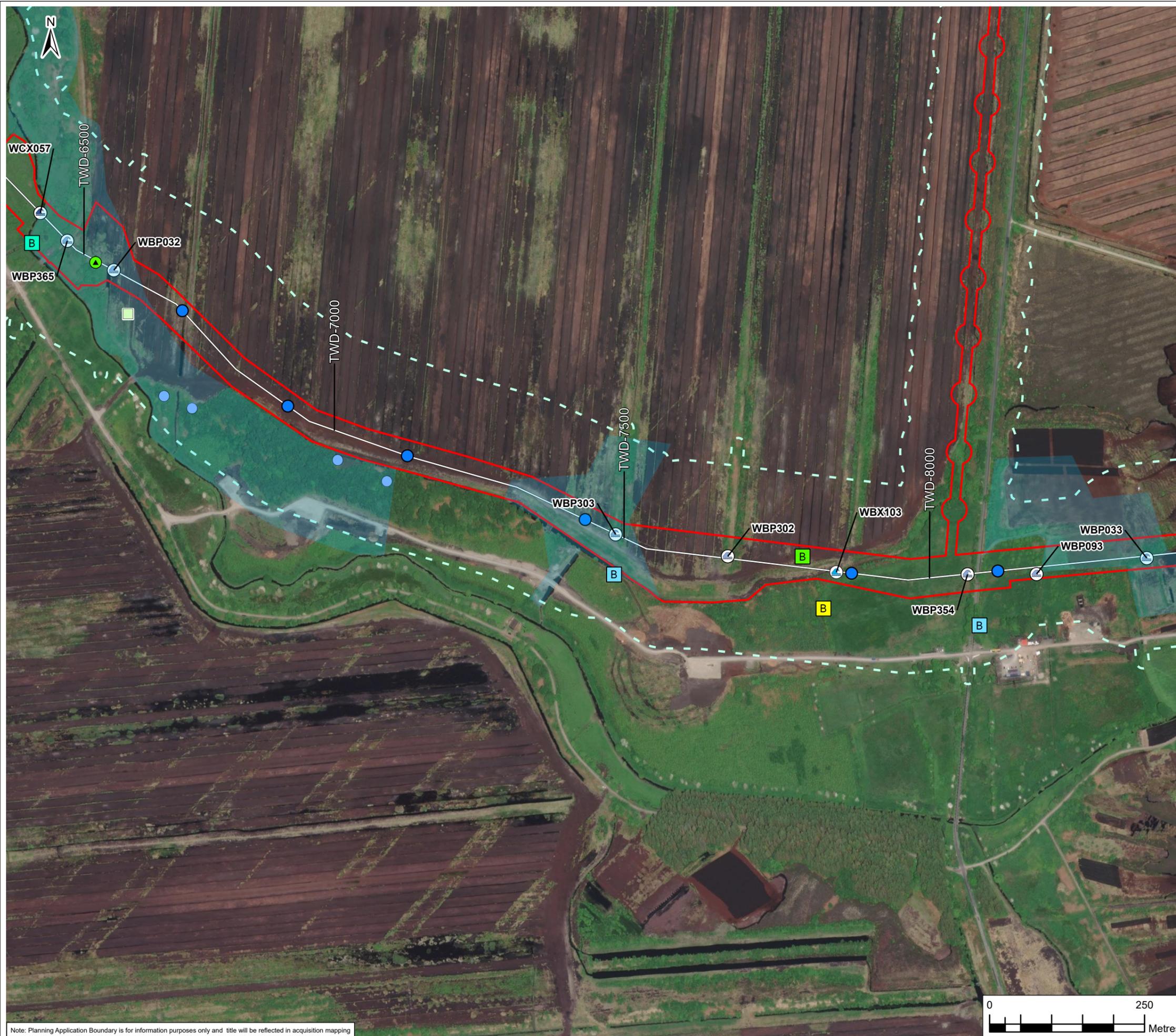
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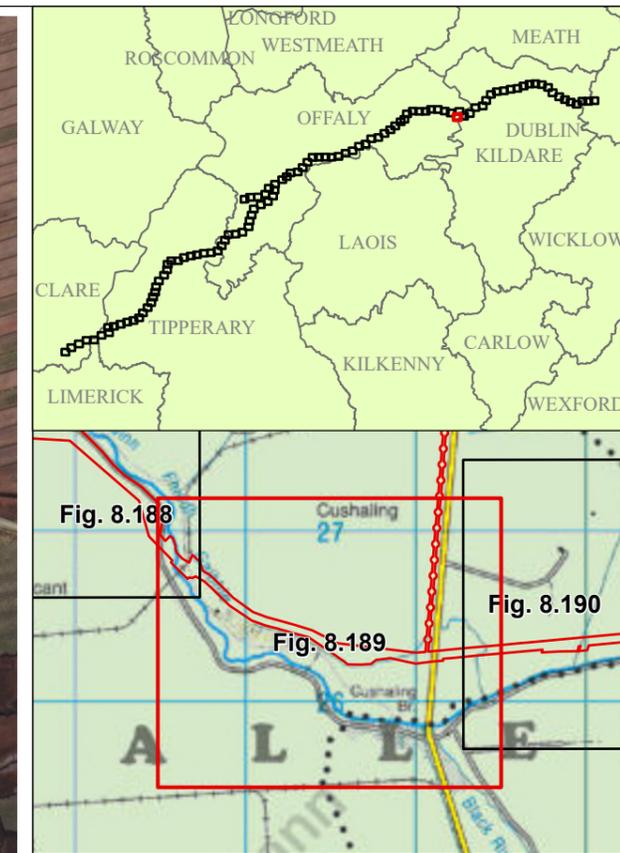
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Badger Activity 2016
Indicative Pipeline	Badger Activity 2018
Watercourse Crossing (WCX - EPA mapped)	Badger Activity 2022
Watercourse Crossing (WBX - streams)	Badger Activity 2024
Watercourse Crossing (WBP - drains)	Common Frog 2019
Washout Valve (WB)	Potential Marsh Fritillary Data Devils Bit Scabious 2018
Study Area	Other Mammal Data Irish Hare 2022
Marsh Fritillary Study Area	

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
Water Supply Project
Eastern and Midlands Region

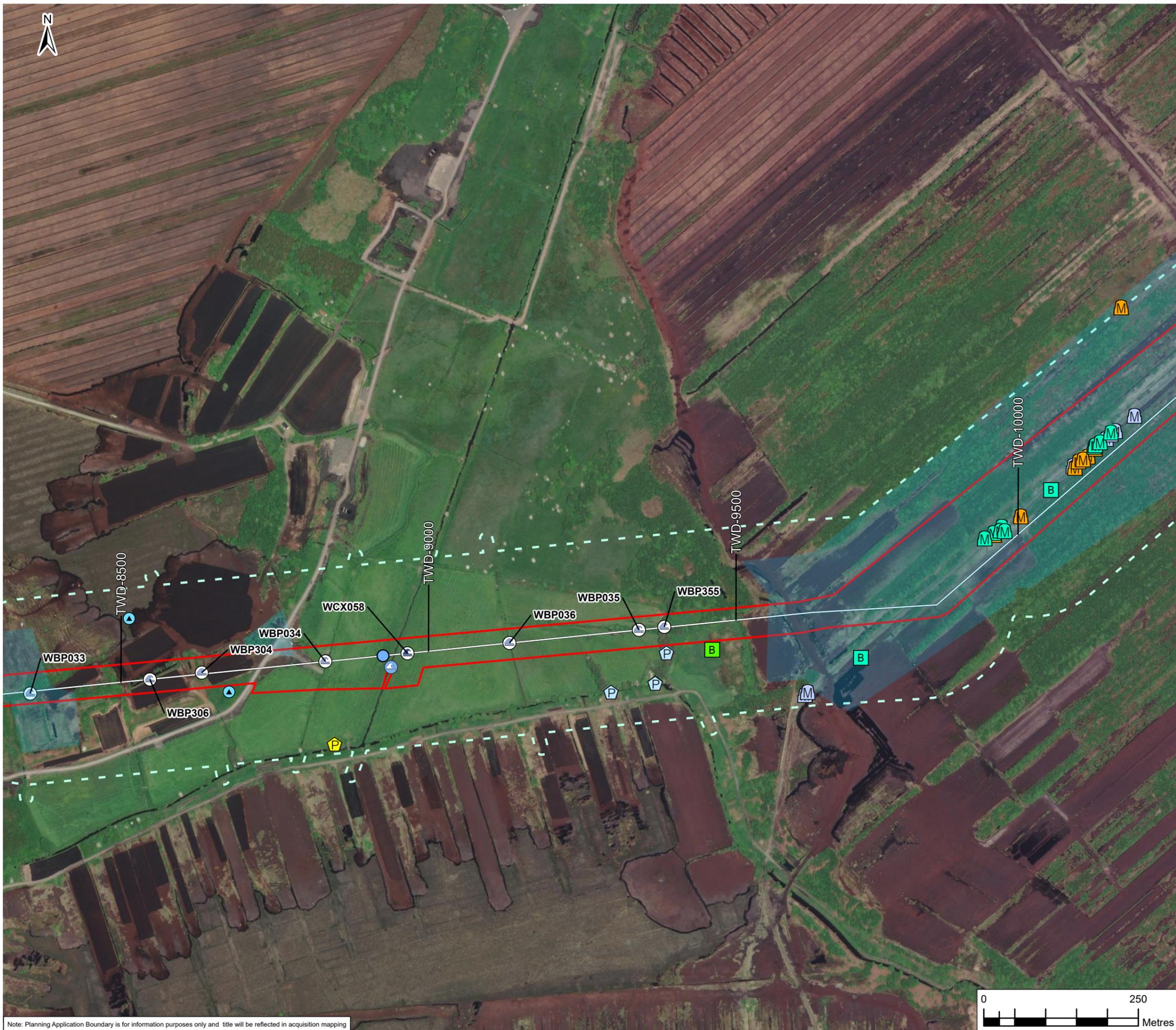
Drawing Title
Figure 8.189
Protected Fauna
Sheet 81 of 104

Drawing Status
Final - Planning Application

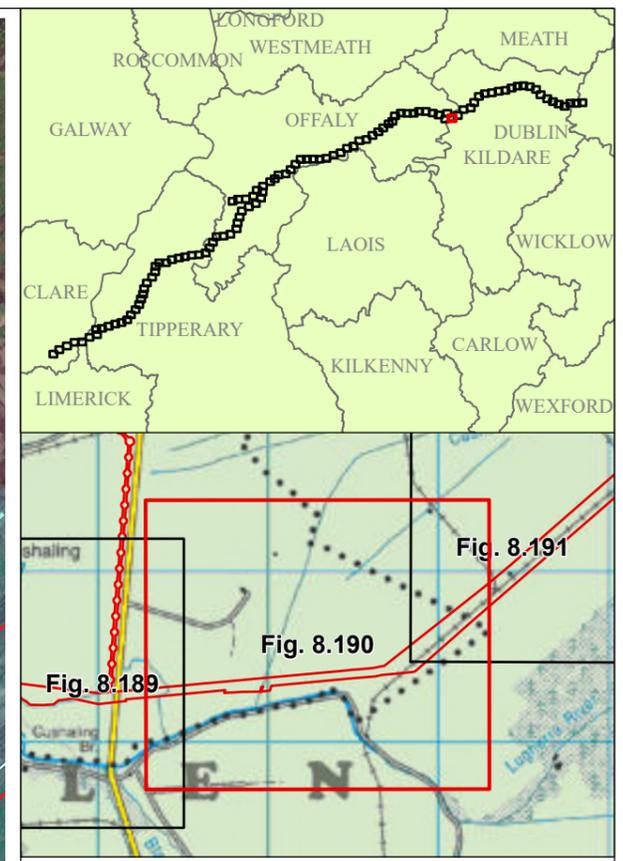
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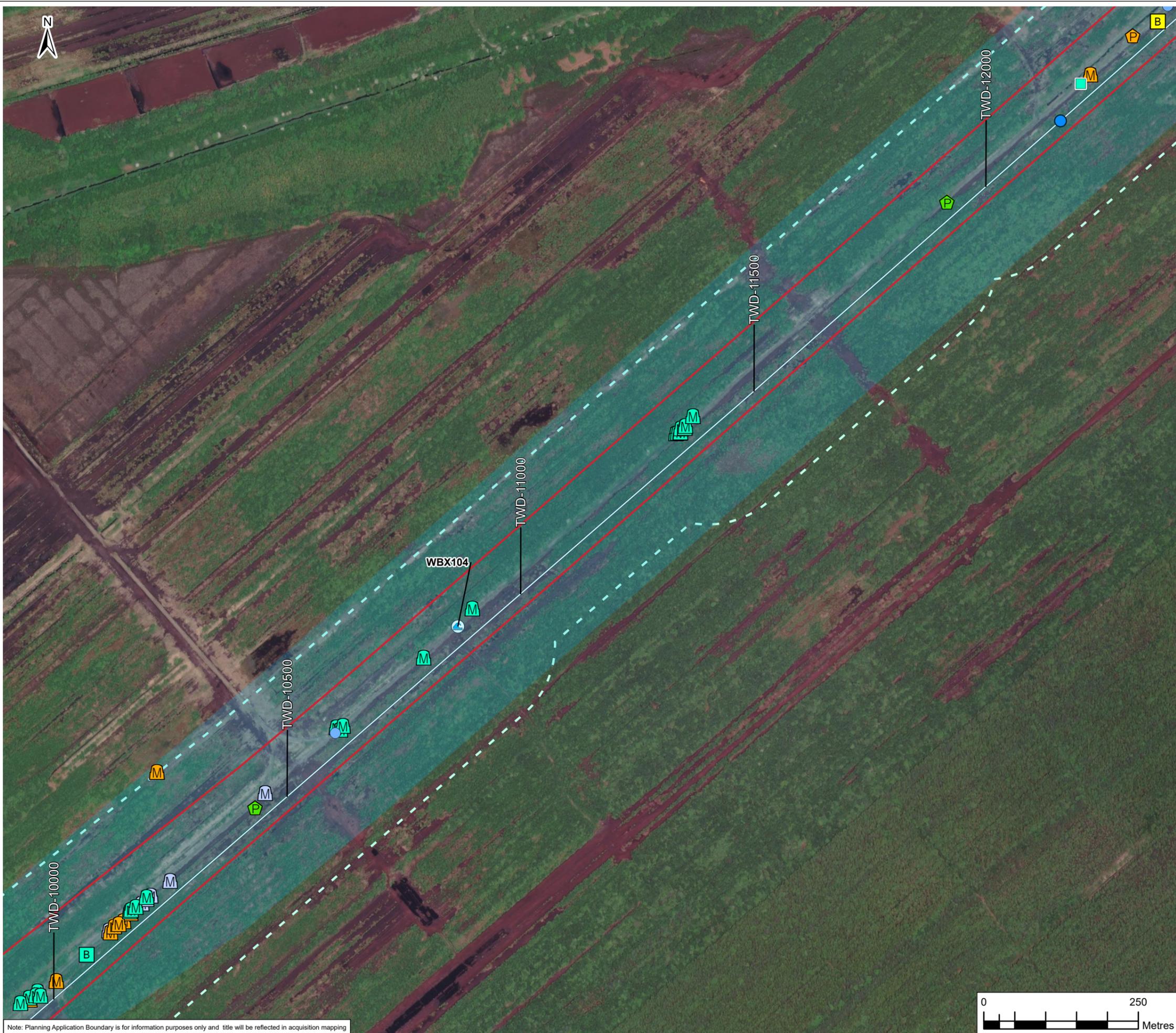
Legend*

Planning Application Boundary	Badger Data
Indicative Pipeline	Badger Activity 2022
Watercourse Crossing (WCX - EPA mapped)	Badger Activity 2024
Watercourse Washout Location (WCW)	Pine Marten Data
Watercourse Crossing (WBP - drains)	Pine Marten 2016
Washout Valve (WA)	Pine Marten 2018
Study Area	Marsh Fritillary Data
Marsh Fritillary Study Area	Marsh Fritillary 2018
	Marsh Fritillary 2020
	Marsh Fritillary 2024
	Other Mammal Data
	Irish Hare 2018

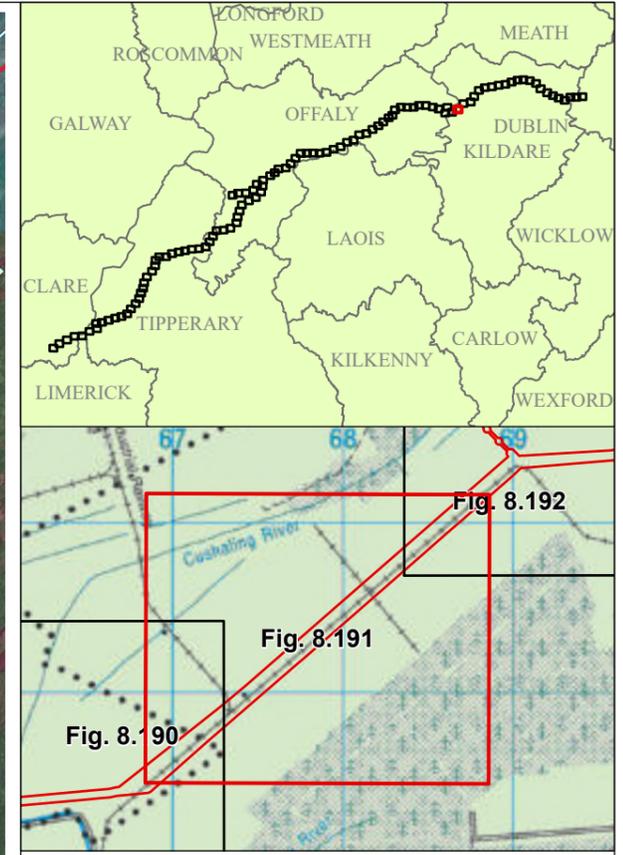
RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN	
Client	
Project	Water Supply Project Eastern and Midlands Region
Drawing Title	Figure 8.190 Protected Fauna Sheet 82 of 104
Drawing Status	Final - Planning Application
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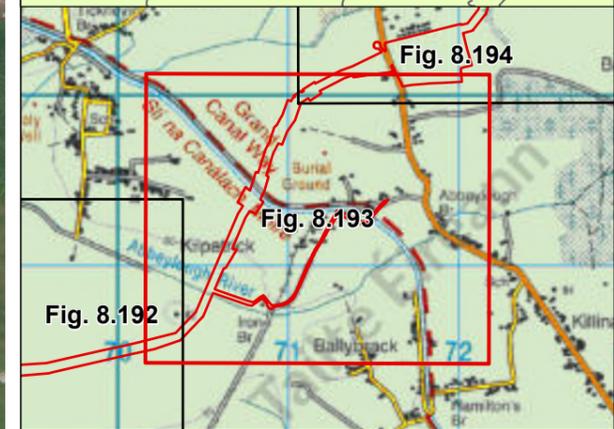
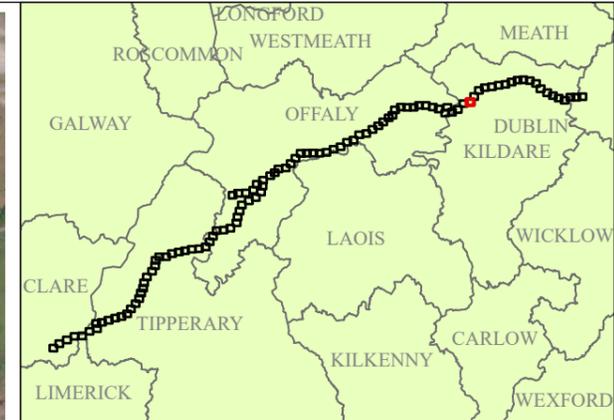
Legend*

Planning Application Boundary	Pine Marten 2020
Indicative Pipeline	Pine Marten 2022
Watercourse Crossing (WBX - streams)	Common Frog 2024
Washout Valve (WB)	Potential Marsh Fritillary Data
Study Area	Devils Bit Scabious 2018
Marsh Fritillary Study Area	Marsh Fritillary Data
Badger Activity 2016	Marsh Fritillary 2018
Badger Activity 2024	Marsh Fritillary 2020
	Marsh Fritillary 2024

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN	
Client	
Project	Water Supply Project Eastern and Midlands Region
Drawing Title	Figure 8.191 Protected Fauna Sheet 83 of 104
Drawing Status	Final - Planning Application
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Legend*

Planning Application Boundary	Marsh Fritillary Study Area
Indicative Pipeline	Badger Data
Haul Roads	Badger Activity 2019
Watercourse Crossing (WCX - EPA mapped)	Otter Data
Watercourse Crossing (WBX - streams)	Otter Activity 2019
Watercourse Crossing (WBP - drains)	Otter Activity 2024
Washout Valve (WB)	Pine Marten Data
Study Area	Pine Marten 2022
	Common Frog 2018
	Other Mammal Data
	Irish Hare 2018

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

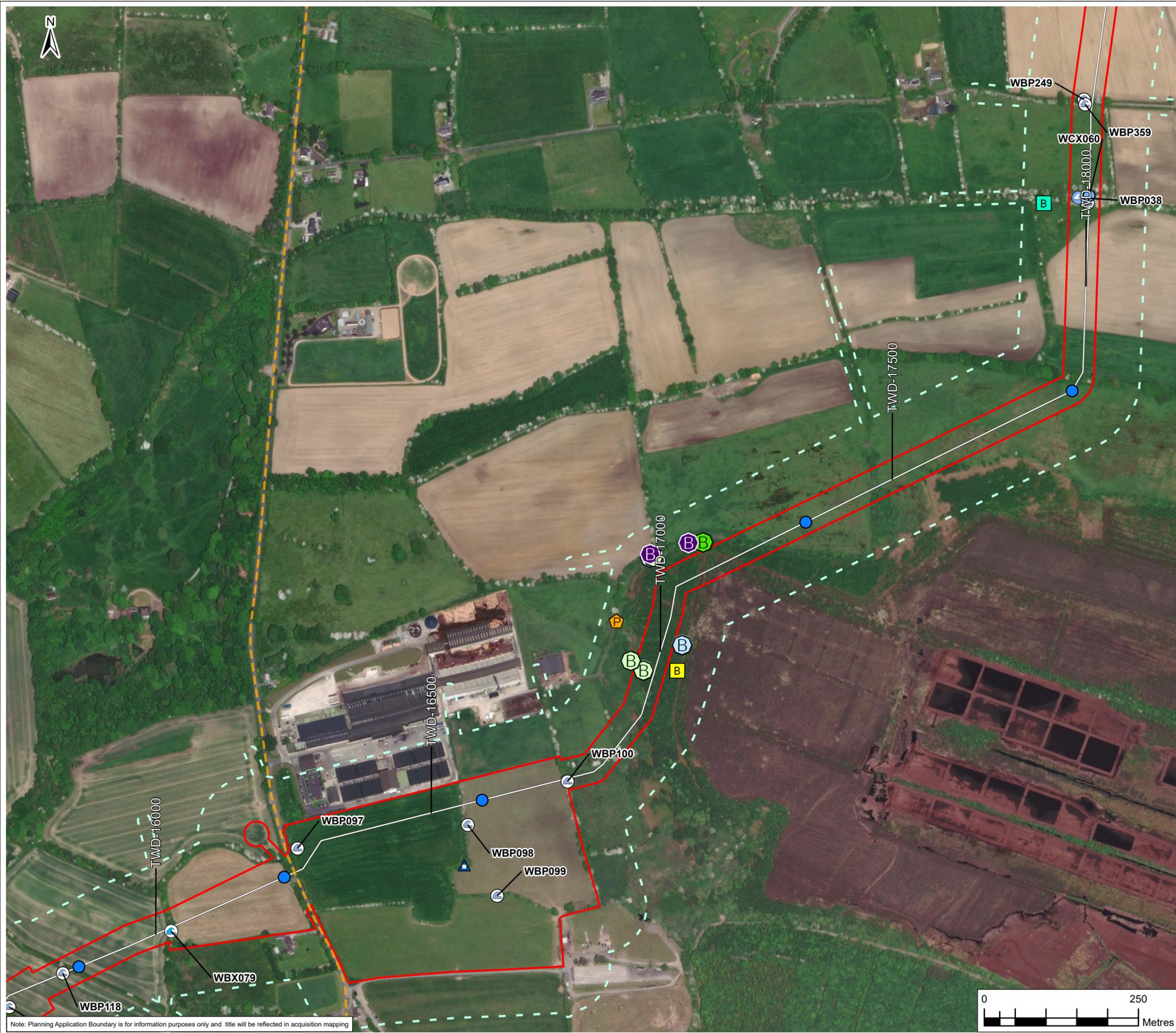
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Project
 Water Supply Project
 Eastern and Midlands Region

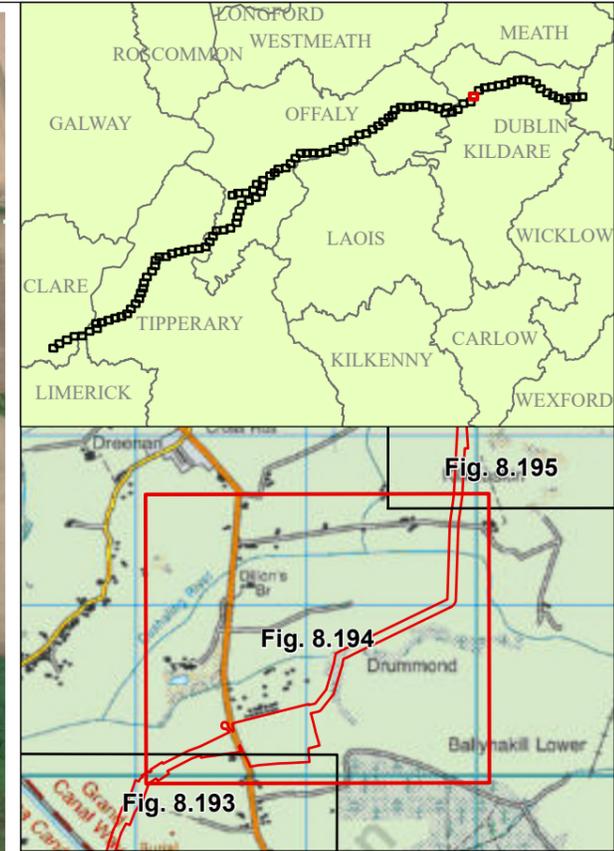
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 Protected Fauna
 Sheet 85 of 104

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Legend*

Planning Application Boundary	Study Area
Indicative Pipeline	Badger Data
Haul Roads	Badger Setts 2018
Watercourse Crossing (WCX - EPA mapped)	Badger Setts 2019
Watercourse Crossing (WBX - streams)	Badger Setts 2022
Watercourse Washout Location (WCW)	Badger Setts 2025
Watercourse Crossing (WBP - drains)	Badger Activity 2016
Washout Valve (WA)	Badger Activity 2024
Washout Valve (WB)	Pine Marten Data
	Pine Marten 2020
	Other Mammal Data
	Fox 2025

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs **TOBIN**

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.194
Protected Fauna
Sheet 86 of 104

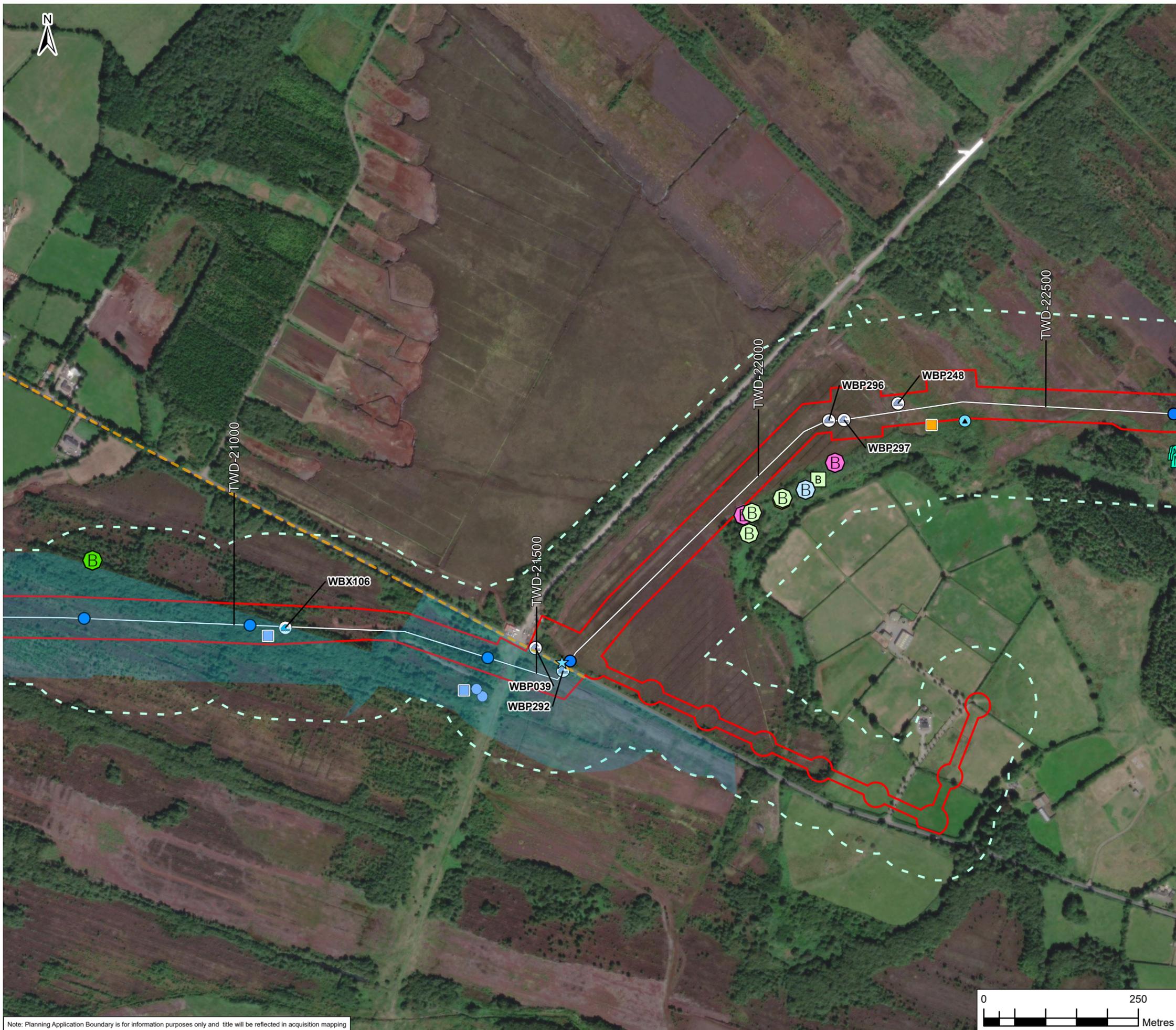
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Final - Planning Application

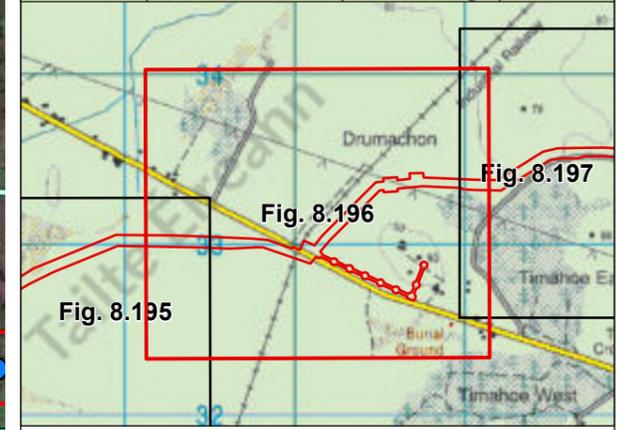
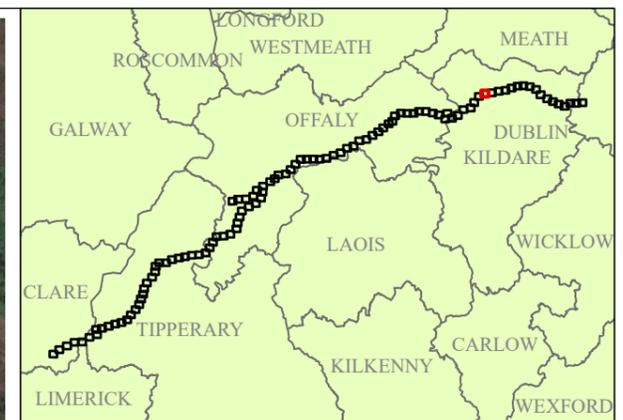
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Badger Setts 2019
Indicative Pipeline	Badger Setts 2022
Haul Roads	Badger Activity 2019
Watercourse Crossing (WB - streams)	Otter Data
Watercourse Crossing (WBP - drains)	Otter Activity 2018
Washout Valve (WB)	Common Frog 2018
Study Area	Common Frog 2020
Marsh Fritillary Study Area	Potential Marsh Fritillary Data
Badger Data	Devils Bit Scabious 2018
Badger Setts 2016	Marsh Fritillary Data
Badger Setts 2017	Marsh Fritillary 2024
Badger Setts 2018	Other Mammal Data
	Irish Hare 2018

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

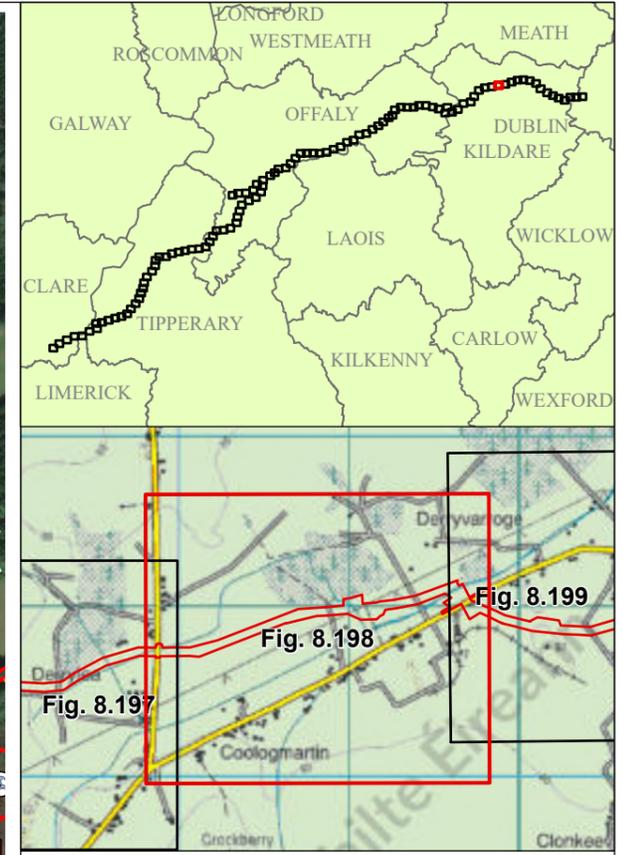
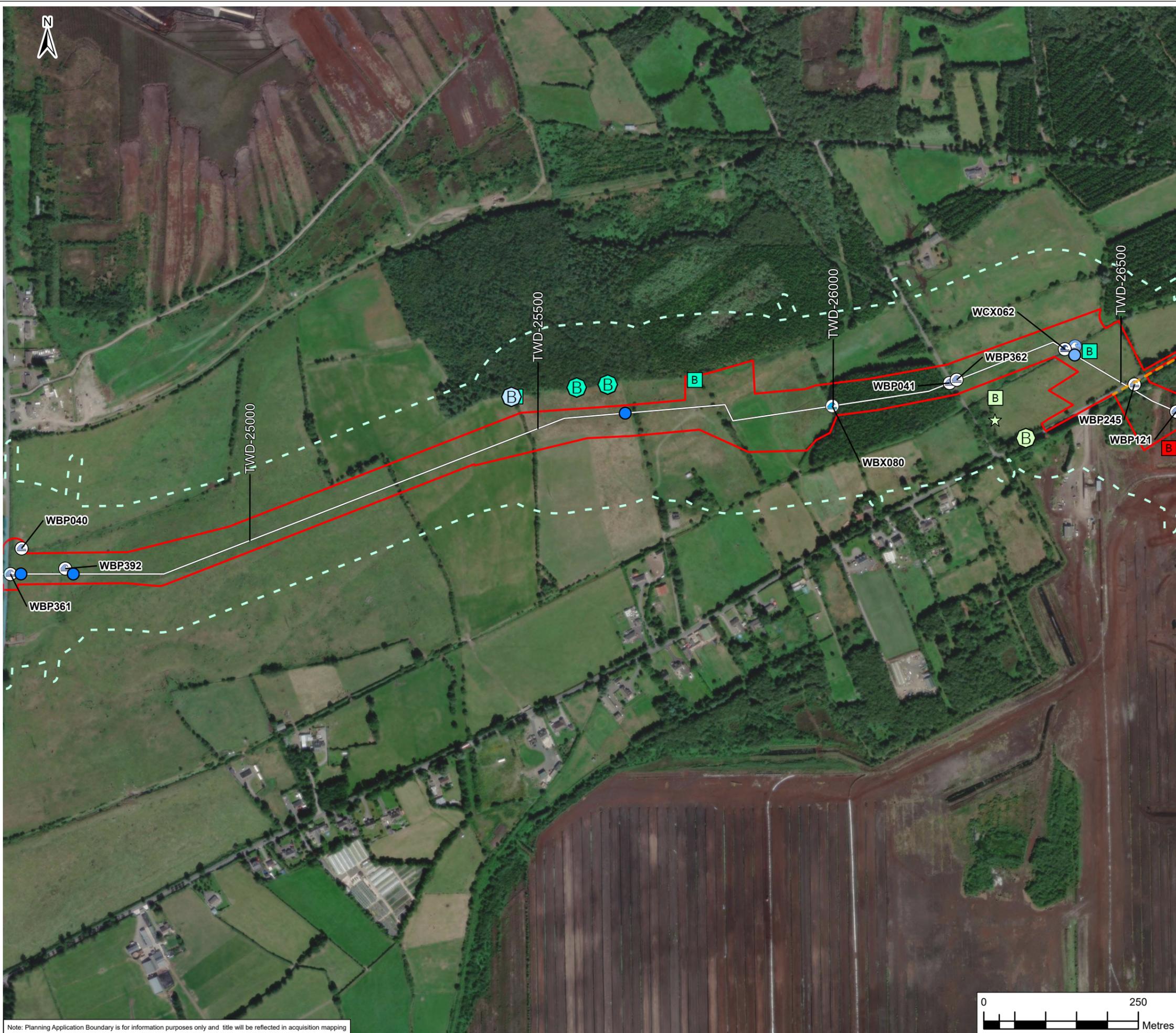
Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.196
 Protected Fauna
 Sheet 88 of 104

Drawing Status
 Final - Planning Application

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Drawing No.	32105801/700/1522	
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Legend*

- Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Crossing (WBX - streams)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Marsh Fritillary Study Area
- Badger Data
 - Badger Setts 2017
 - Badger Setts 2018
 - Badger Setts 2019
 - Badger Setts 2024
 - Badger Activity 2019
 - Badger Activity 2021
 - Badger Activity 2024
- Otter Data
 - Otter Activity 2019

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client: **Uisce Éireann** (Irish Water) and **Tionscadal Soláthair Uisce** (Water Supply Project)

Project: **Water Supply Project Eastern and Midlands Region**

Drawing Title: **Figure 8.198 Protected Fauna Sheet 90 of 104**

Drawing Status: **Final - Planning Application**

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Jacobs No. **32105801**

Client No. **9318**

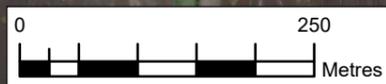
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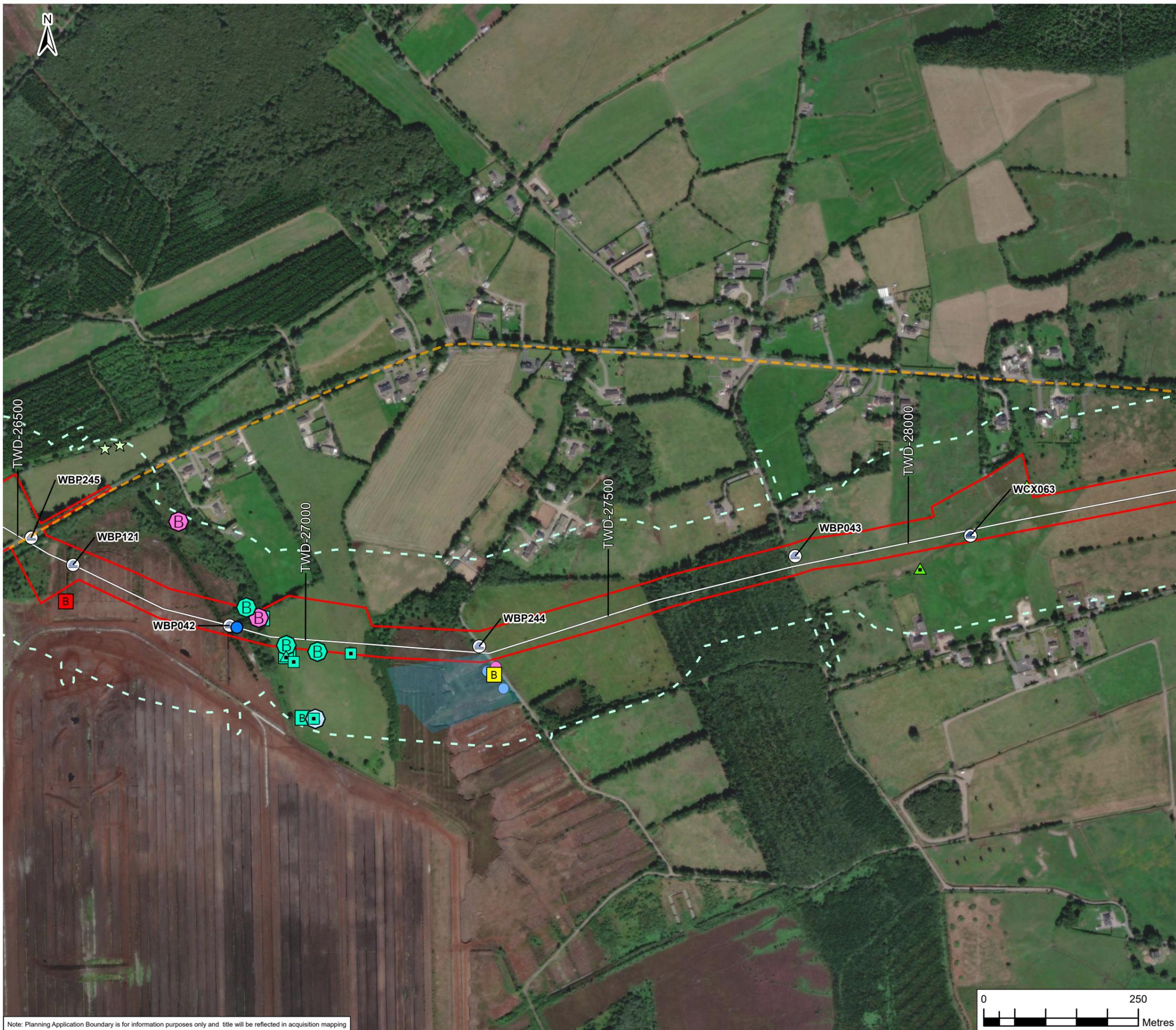
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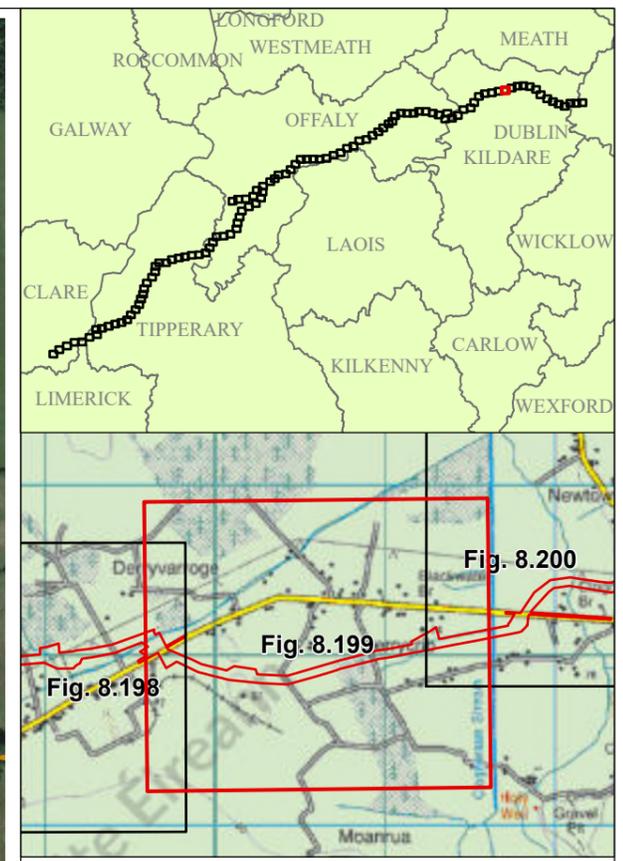
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping





Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend*

Planning Application Boundary	Badger Activity 2016
Indicative Pipeline	Badger Activity 2021
Haul Roads	Badger Activity 2024
Watercourse Crossing (WCX - EPA mapped)	Otter Data
Watercourse Crossing (WBP - drains)	Otter Activity 2019
Washout Valve (WB)	Pine Marten Data
Study Area	Pine Marten 2024
Marsh Fritillary Study Area	Potential Marsh Fritillary Data
Badger Setts 2017	Devils Bit Scabious 2017
Badger Setts 2018	Devils Bit Scabious 2018
Badger Setts 2024	Other Mammal Data
Badger Data	Fox 2022
Badger Setts 2017	Fox 2024
Badger Setts 2018	Rabbit 2024
Badger Setts 2024	Rabbit 2024

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage
*Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client
 Uisce Éireann Irish Water
 Tionscatal Soláthair Uisce Water Supply Project

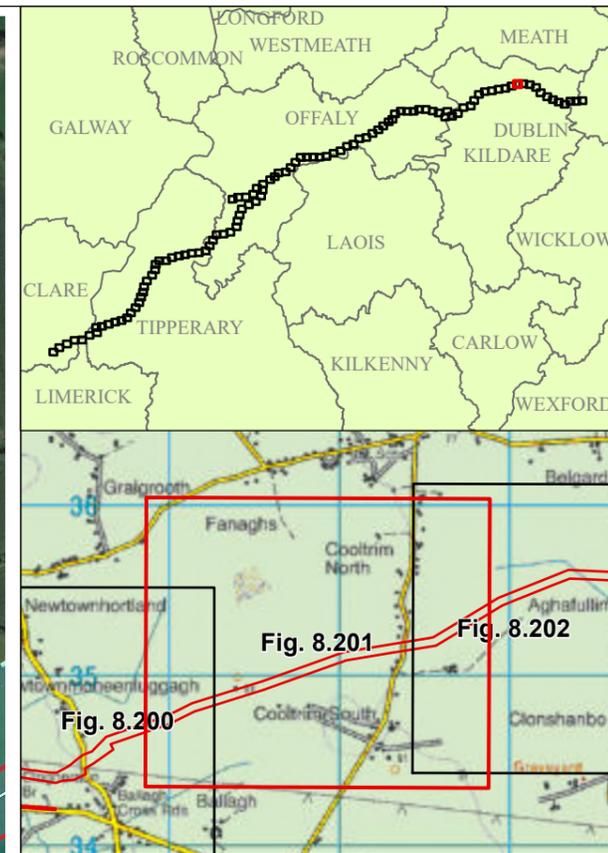
Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.199
 Protected Fauna
 Sheet 91 of 104

Drawing Status
 Final - Planning Application

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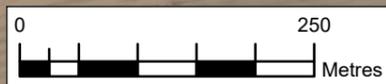
Legend*

Planning Application Boundary	Badger Setts 2020
Indicative Pipeline	Badger Setts 2022
Watercourse Crossing (WBX - streams)	Badger Setts 2024
Watercourse Crossing (WBP - drains)	Badger Activity 2022
Washout Valve (WB)	Badger Activity 2024
Study Area	Other Mammal Data
Marsh Fritillary Study Area	Fox 2022

RW-xxx - Raw Water Chainage *TW-xxx - Treated Water Chainage* **Where data overlaps, the most recent record is illustrated on the figure*

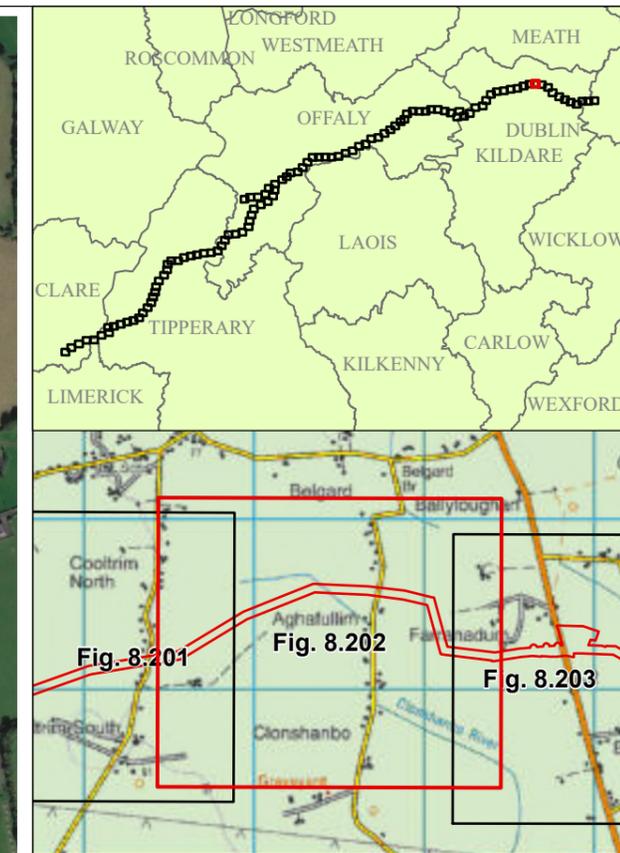
Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Jacobs TOBIN	
Client	
Project	Water Supply Project Eastern and Midlands Region
Drawing Title	Figure 8.201 Protected Fauna Sheet 93 of 104
Drawing Status	Final - Planning Application
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Client No.	9318
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Legend*

- Planning Application Boundary
- Indicative Pipeline
- Watercourse Crossing (WCX – EPA mapped)
- Watercourse Crossing (WBX – streams)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP – drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Study Area
- Marsh Fritillary Study Area

Badger Data

- Badger Setts 2016
- Badger Setts 2018
- Badger Setts 2019
- Badger Setts 2020
- Badger Setts 2022
- Badger Setts 2024
- Badger Activity 2022
- Badger Activity 2024

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
Water Supply Project
Eastern and Midlands Region

Drawing Title
Figure 8.202
Protected Fauna
Sheet 94 of 104

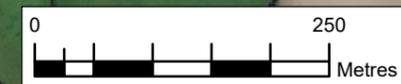
Drawing Status
Final - Planning Application

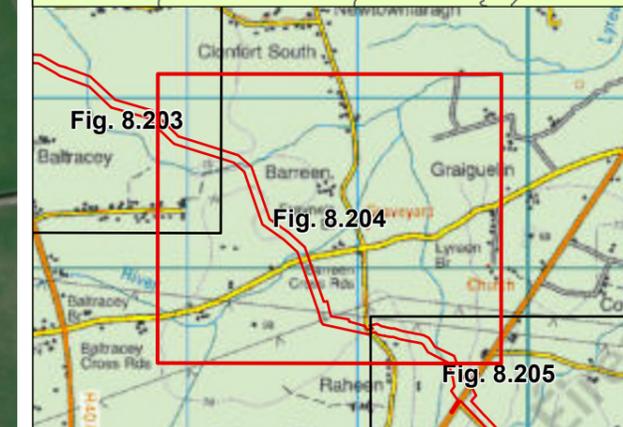
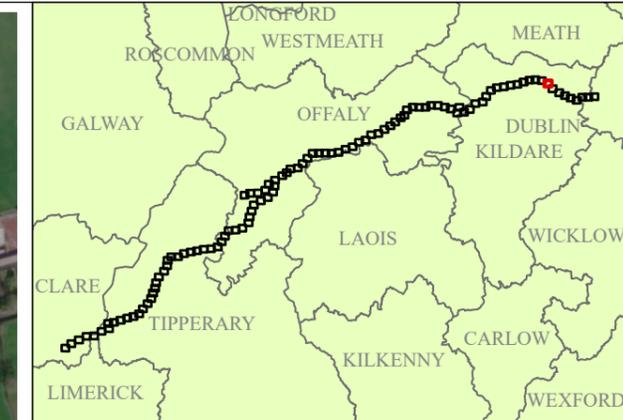
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Legend*

Planning Application Boundary	Watercourse Crossing (WBP - drains)
Indicative Pipeline	Washout Valve (WA)
Watercourse Crossing (WCX - EPA mapped)	Washout Valve (WB)
Watercourse Washout Location (WCW)	Study Area
	Badger Data
	Badger Activity 2019

RW-xxx - Raw Water Chainage
TW-xxx - Treated Water Chainage

*Where data overlaps, the most recent record is illustrated on the figure

Rev.	Date	Purpose of revision	SP	LK	SN	SW
F03	19/11/25	Final - Planning Application				

Jacobs		TOBIN	
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Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.204
Protected Fauna
Sheet 96 of 104

Drawing Status

Final - Planning Application

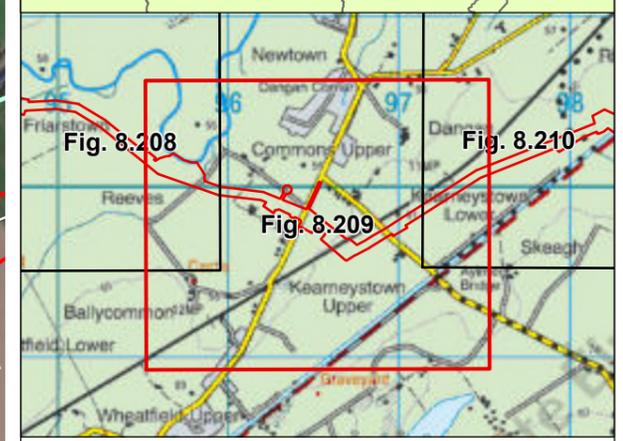
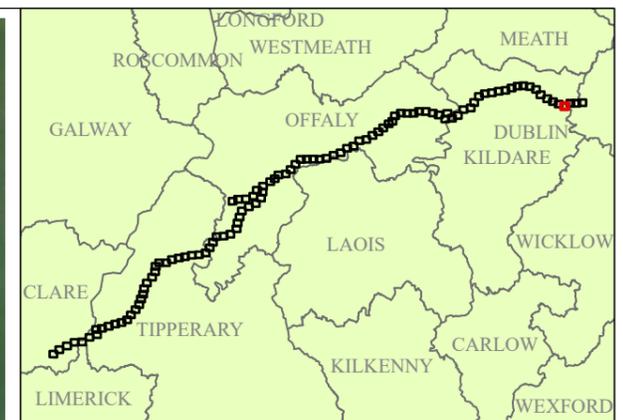
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Drawing No.	32105801/700/1530	
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Legend*

- Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Flow Control Valve
- Watercourse Crossing (WCX - EPA mapped)
- Watercourse Washout Location (WCW)
- Watercourse Crossing (WBP - drains)
- Washout Valve (WA)
- Washout Valve (WB)
- Infrastructure Sites
- Flow Control Valve

Study Area

- Study Area

Badger Data

- Badger Activity 2016
- Badger Activity 2017
- Badger Activity 2022

Otter Data

- Otter Activity 2018
- Otter Activity 2020
- Otter Activity 2022
- Otter Activity 2024

Pine Marten Data

- Pine Marten 2016

Other Data

- Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN

Client

Project
 Water Supply Project
 Eastern and Midlands Region

Drawing Title
 Figure 8.209
 Protected Fauna
 Sheet 101 of 104

Drawing Status
 Final - Planning Application

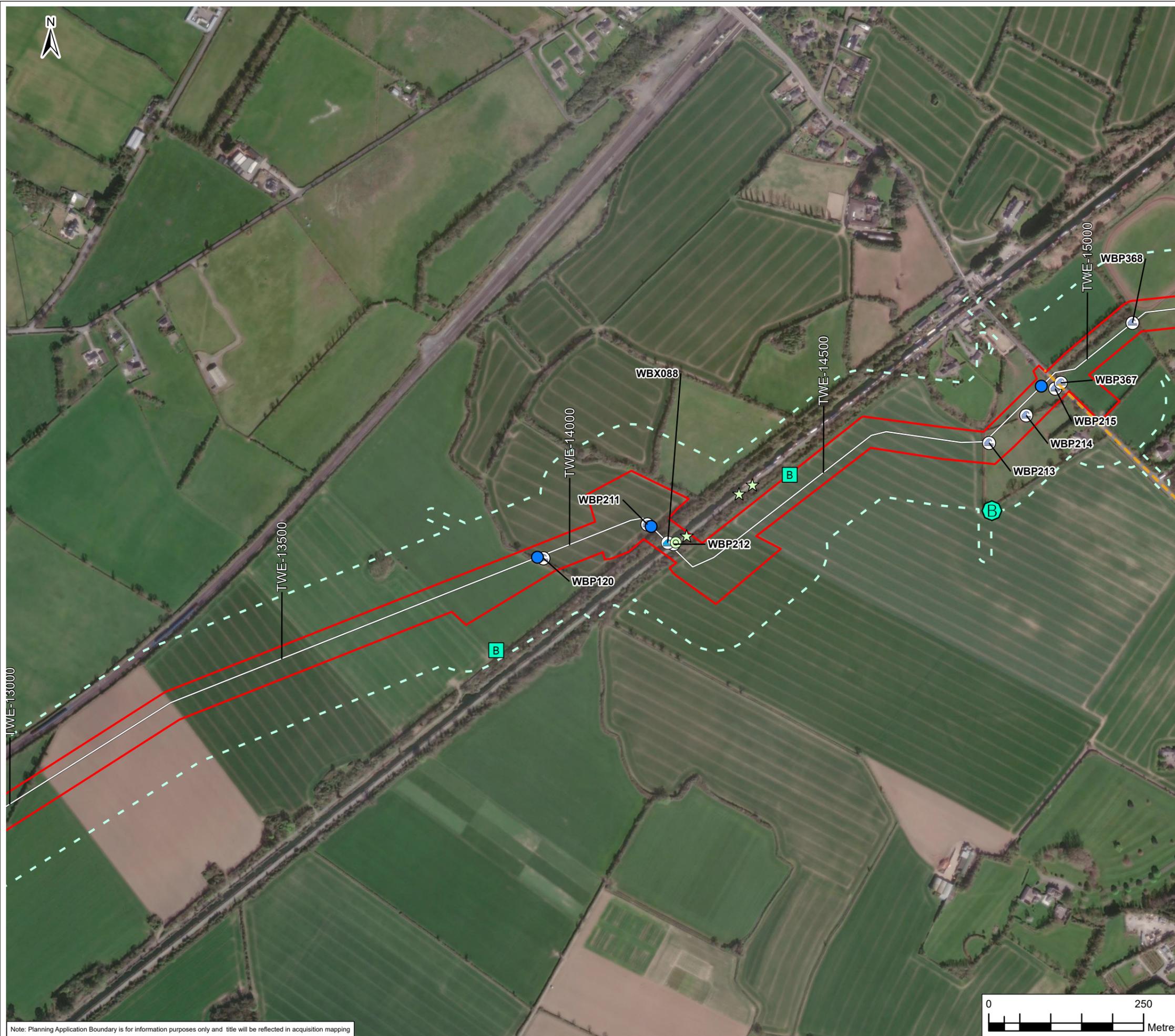
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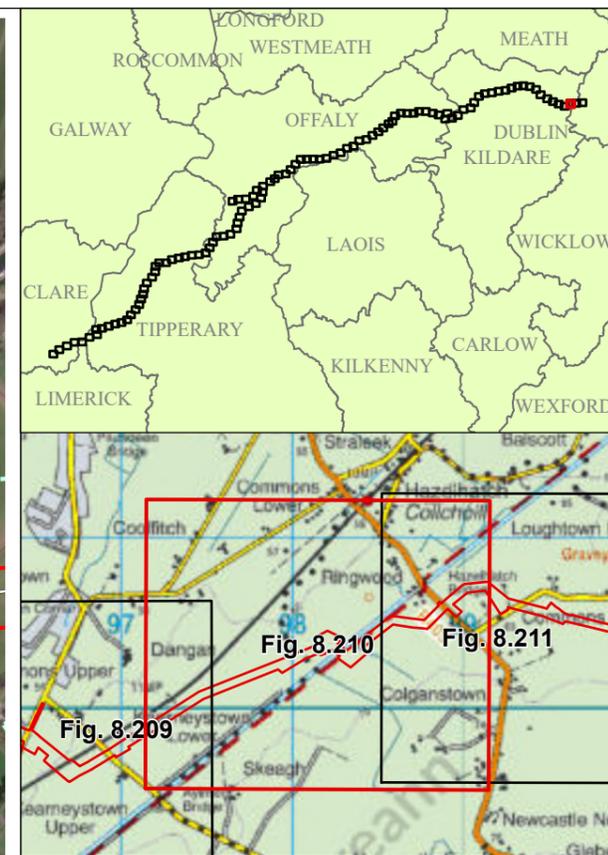
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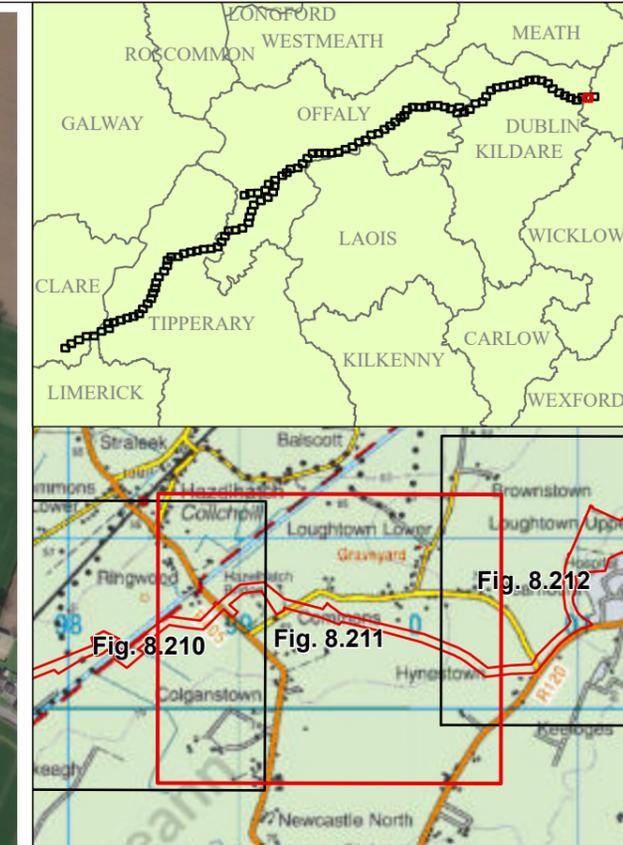
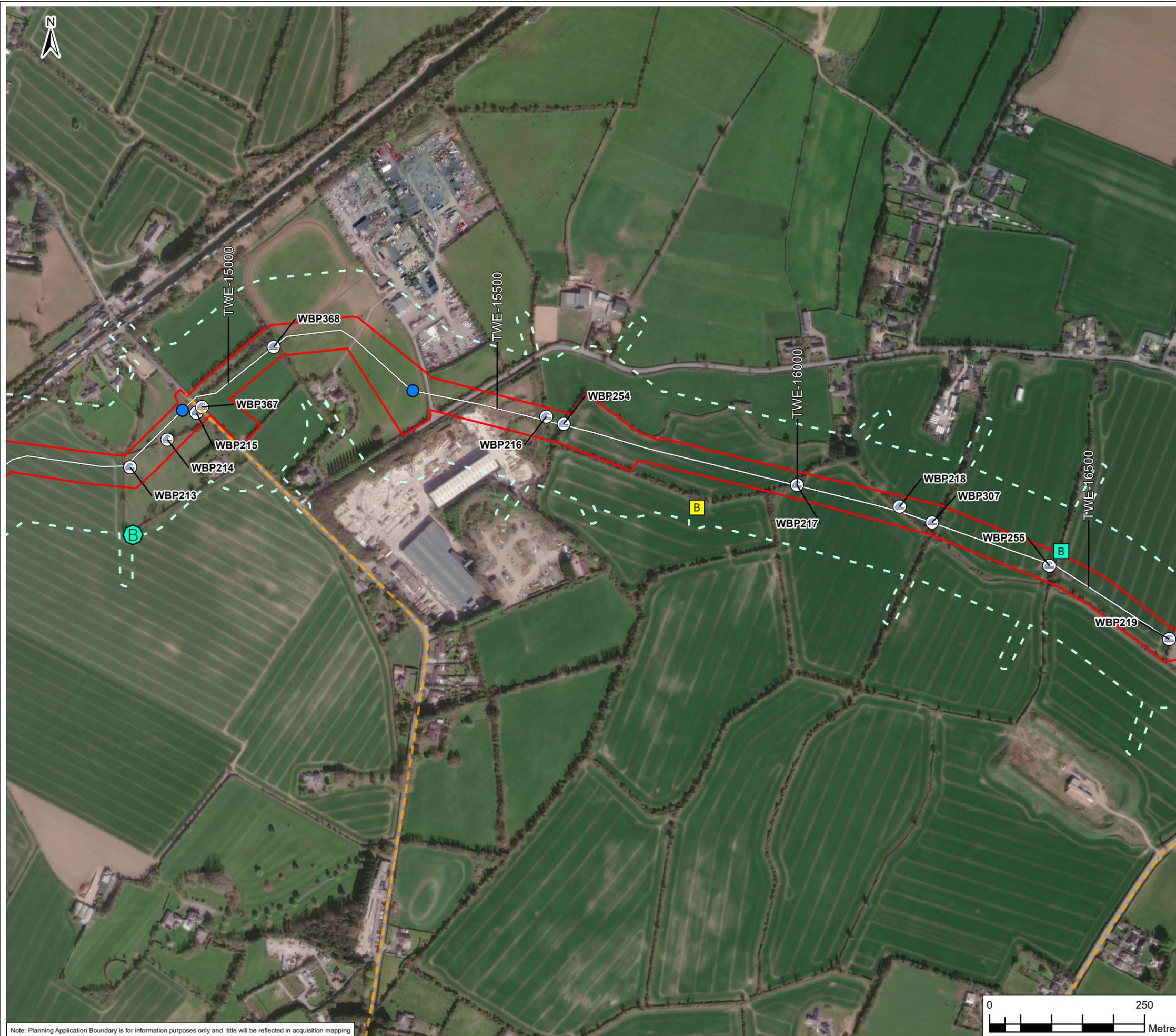
Legend*

Planning Application Boundary	Badger Setts 2022
Indicative Pipeline	Badger Setts 2024
Haul Roads	Badger Activity 2024
Watercourse Crossing (WBX - streams)	Other Activity 2019
Watercourse Crossing (WBP - drains)	Other Mammal Data
Washout Valve (WB)	Mink 2019
Study Area	

RW-xxx - Raw Water Chainage
 TW-xxx - Treated Water Chainage
 *Where data overlaps, the most recent record is illustrated on the figure

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs TOBIN	
Client	
Project	Water Supply Project Eastern and Midlands Region
Drawing Title	Figure 8.210 Protected Fauna Sheet 102 of 104
Drawing Status	Final - Planning Application
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Legend*

- Planning Application Boundary
- Indicative Pipeline
- Haul Roads
- Watercourse Crossing (WBP - drains)
- Washout Valve (WB)
- Study Area
- Badger Data**
- Badger Setts 2022
- Badger Setts 2024
- Badger Activity 2016
- Badger Activity 2024

RW-xxx - Raw Water Chainage TW-xxx - Treated Water Chainage **Where data overlaps, the most recent record is illustrated on the figure*

F03	19/11/25	Final - Planning Application	SP	LK	SN	SW
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Jacobs

TOBIN

Client

Project

Water Supply Project
Eastern and Midlands Region

Drawing Title

Figure 8.211
Protected Fauna
Sheet 103 of 104

Drawing Status

Final - Planning Application

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Client No.	9318	
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