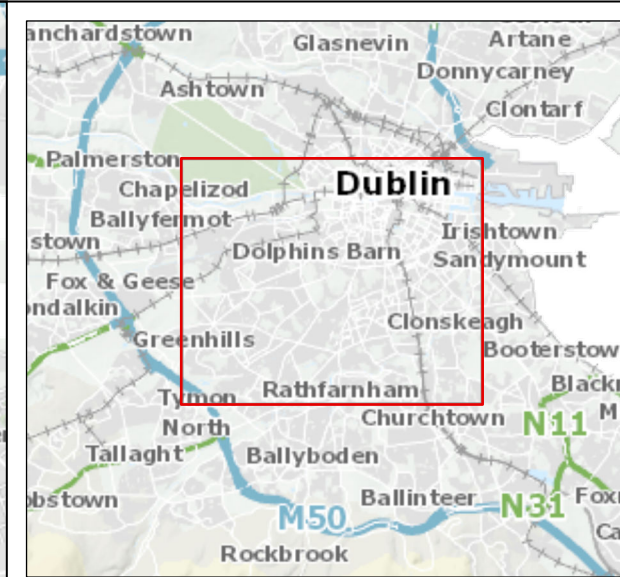
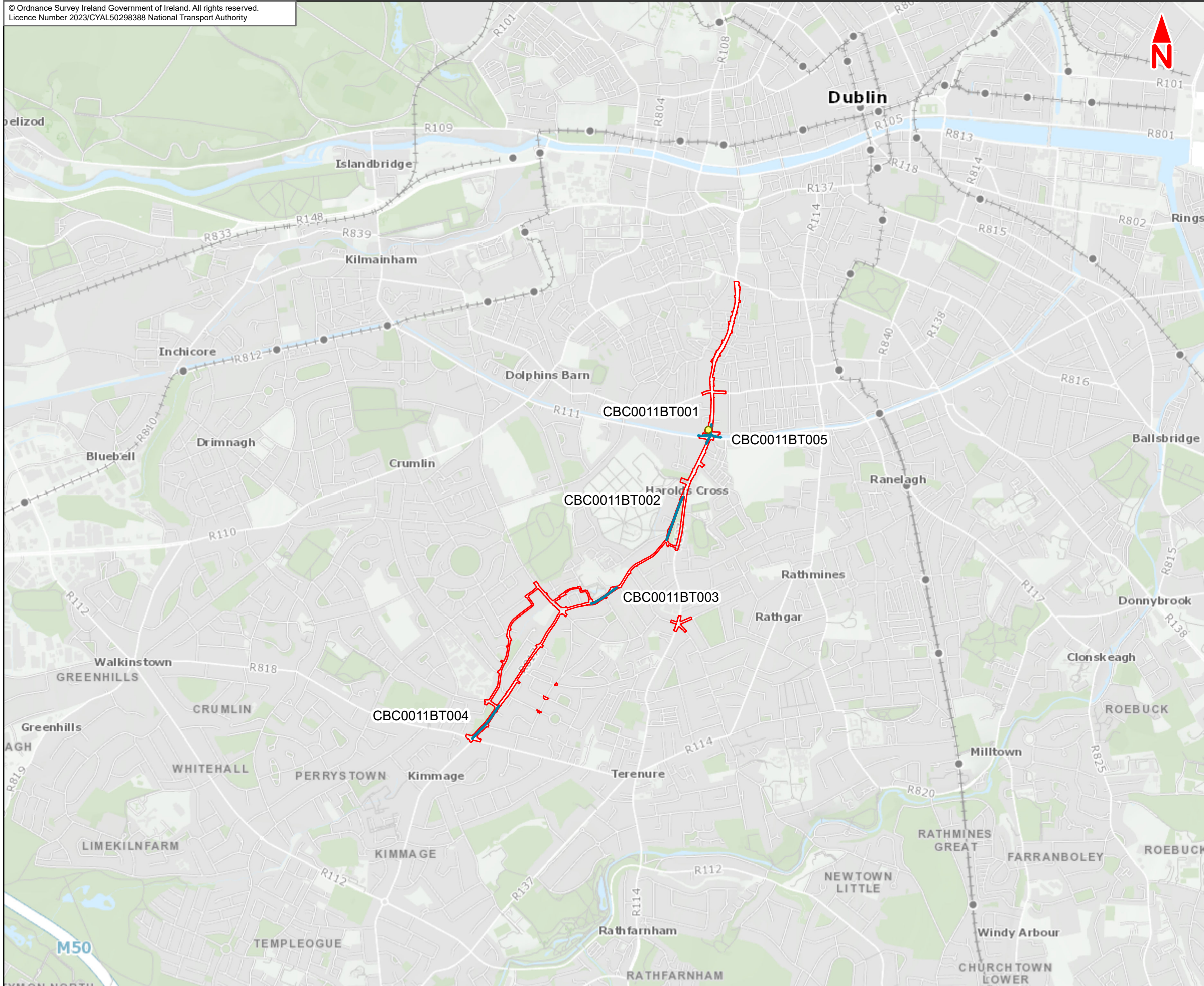


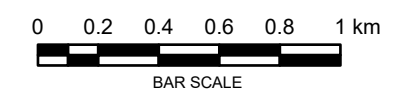
The background of the slide is a vibrant yellow. It is decorated with several abstract, overlapping shapes in shades of blue and green. These shapes include rounded rectangles, elongated ovals, and curved bands. Interspersed among these shapes are several white circles of varying sizes, some of which are partially enclosed by the blue and green shapes, creating a sense of depth and movement. The overall aesthetic is modern and energetic.

12.1.1 Ecological Study Areas: Bat Activity Transect Routes and Building / Bridge Roost Feature Inspections



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Bat Survey Transects
 - Building / Bridge Inspections

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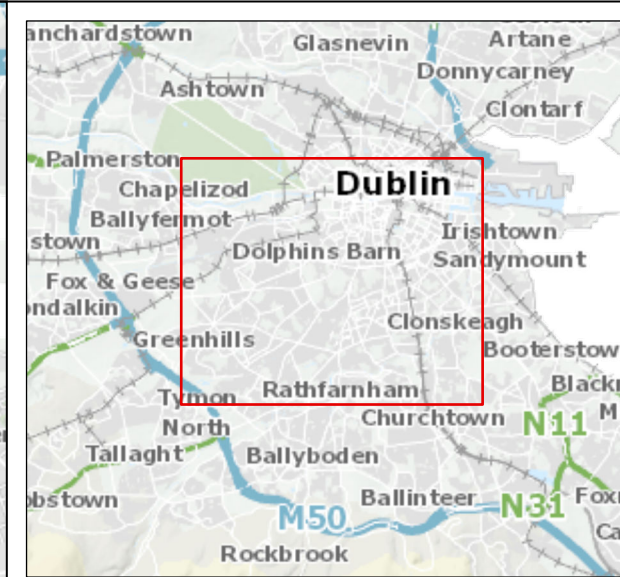
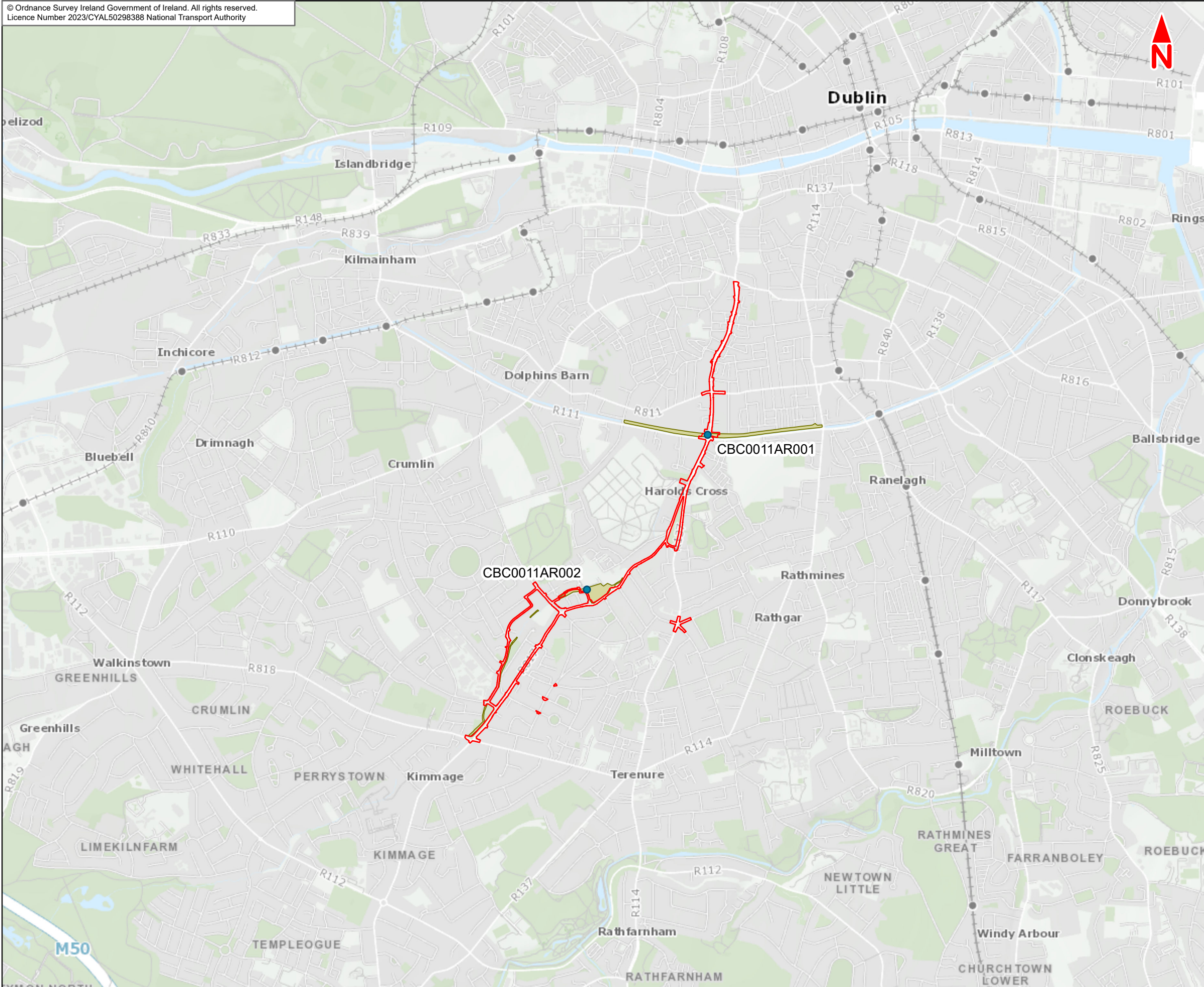
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.1.1 Ecological Study Areas: Bat Activity Transect Routes and Building / Bridge Roost Feature Inspections				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0101	Sheet Number 1 of 1	Status A	Rev M01	

Date 22/03/2023	Scale @ A3 1:25 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

12.1.2

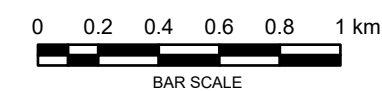
Ecological Survey Study Areas:
Aquatic / Riparian Survey Sites





- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Aquatic and Riparian Survey Sites
 - Extent of Otter and Kingfisher Survey

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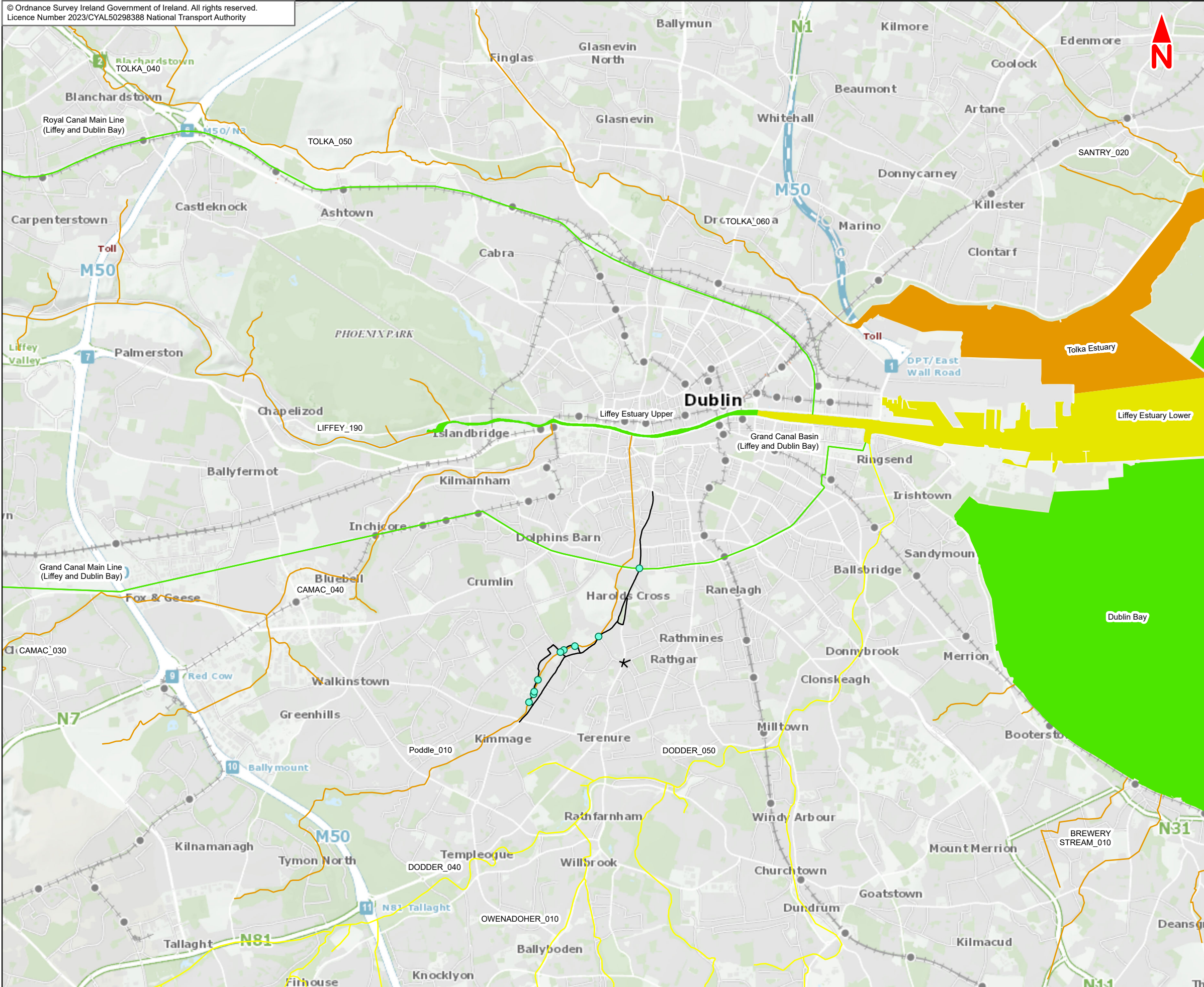
Consultant
JACOBS
ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.1.2 Ecological Study Areas: Aquatic and Riparian Survey Sites				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0301	Sheet Number 1 of 1	Status A	Rev M01	

Date 22/03/2023	Scale @ A3 1:25 000	Drawn TJ	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

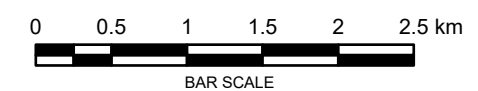
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12.2 Hydrological Connectivity to the Proposed Scheme



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Scheme Waterbody Crossings
 - Canal Waterbody WFD Status 2016 - 2021**
 - Good
 - River Waterbody WFD Status 2016 - 2021**
 - Good
 - Moderate
 - Poor
 - Transitional Waterbody WFD Status 2016 - 2021**
 - Good
 - Moderate
 - Poor
 - Coastal Waterbody WFD Status 2016 - 2021**
 - Good

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Consultant: **JACOBS ARUP SYSTRA**

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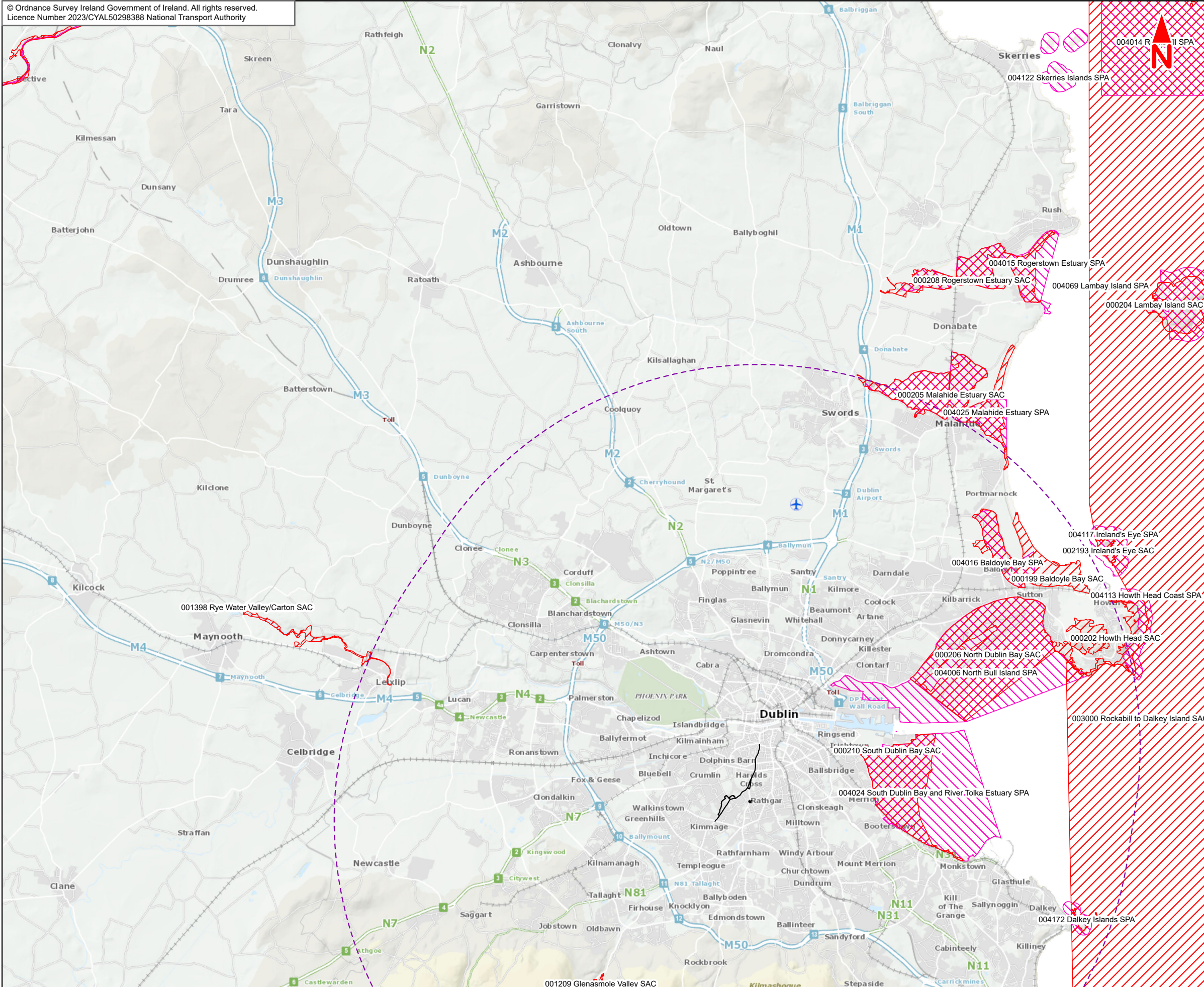
Project Code: BCIDE | Originator Code: JAC

Drawn: TJ | Checked: PW | Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.2 Hydrological Connectivity to the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0003	Sheet Number: 1 of 1	Status: A	Rev: M01

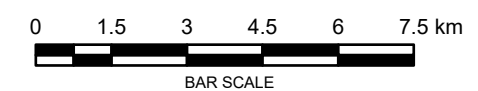
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12.3 European Sites in the Vicinity of the Proposed Scheme



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - - - 15km from Proposed Scheme
 - ▨ Special Area of Conservation
 - ▨ Special Protection Areas

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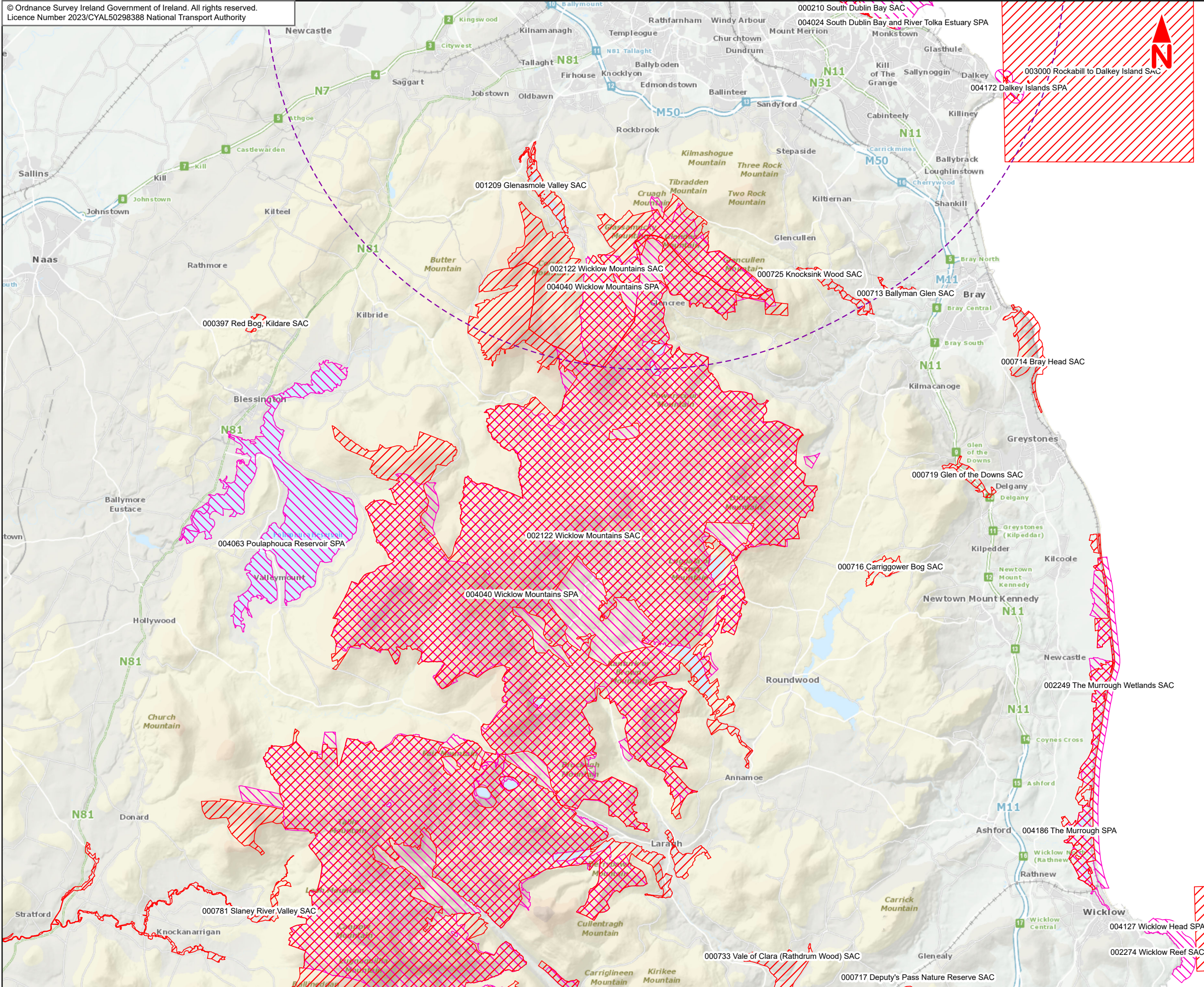
Consultant: **JACOBS ARUP SYSTRA**

Date: 22/03/2023
Scale @ A3: 1:150 000

Project Code: BCIDE
Originator Code: JAC

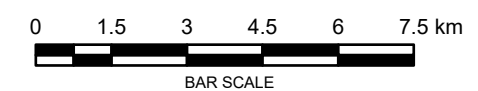
Drawn: EK
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Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.3 European sites in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0001	Sheet Number: 1 of 2	Status: A	Rev: M01



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - - - 15km from Proposed Scheme
 - ▨ Special Area of Conservation
 - ▨ Special Protection Areas

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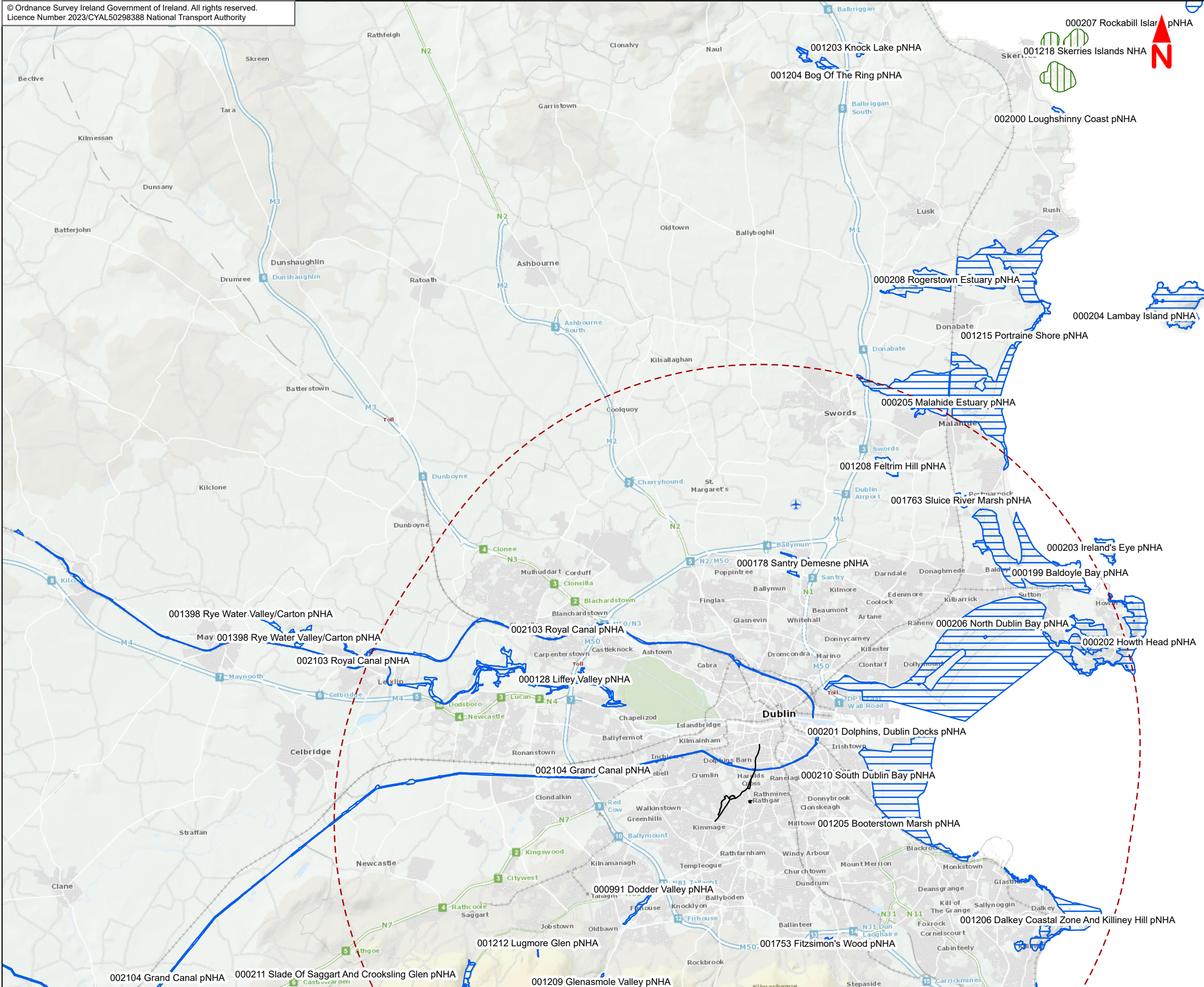
Date: 22/03/2023 | Scale @ A3: 1:150 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.3 European sites in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0091	Sheet Number: 2 of 2	Status: A	Rev: M01

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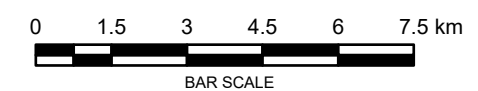
12.4

Natural Heritage Areas and the Proposed Natural Heritage Areas in the Vicinity of the Proposed Scheme



- Legend :**
- Kimmage to City Centre
 - Core Bus Corridor Scheme
 - 15km Study Area
 - Natural Heritage Area
 - Proposed Natural Heritage Area

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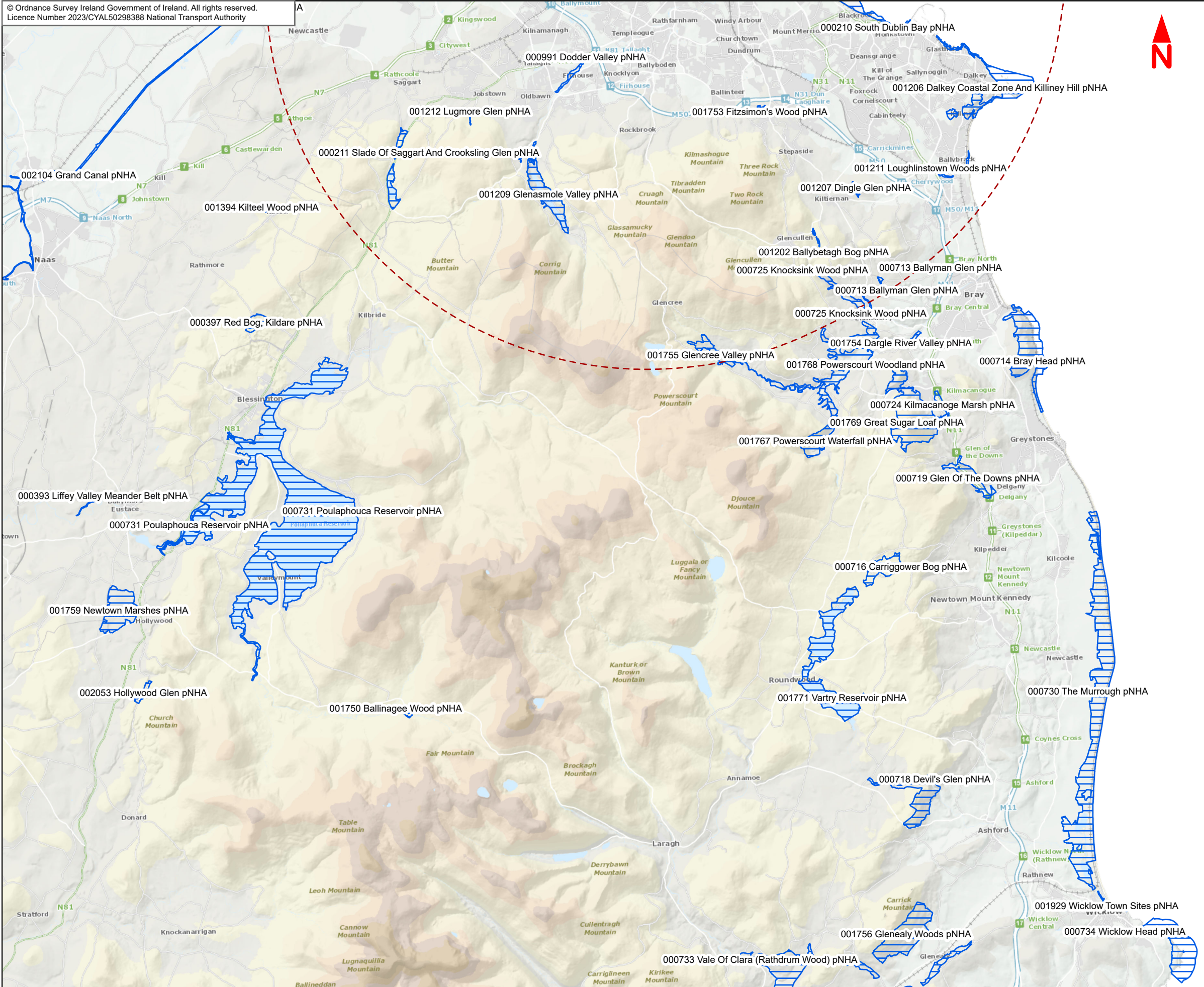
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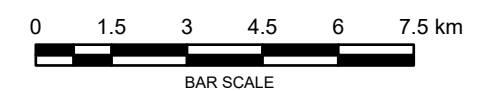
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 Project Code: BCIDE | Originator Code: JAC

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.4 Natural Heritage Areas and Proposed Natural Heritage Areas in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0002	Sheet Number: 1 of 2	Status: A	Rev: M01



- Legend :**
- Kimmage to City Centre
 - Core Bus Corridor Scheme
 - 15km Study Area
 - Natural Heritage Area
 - Proposed Natural Heritage Area

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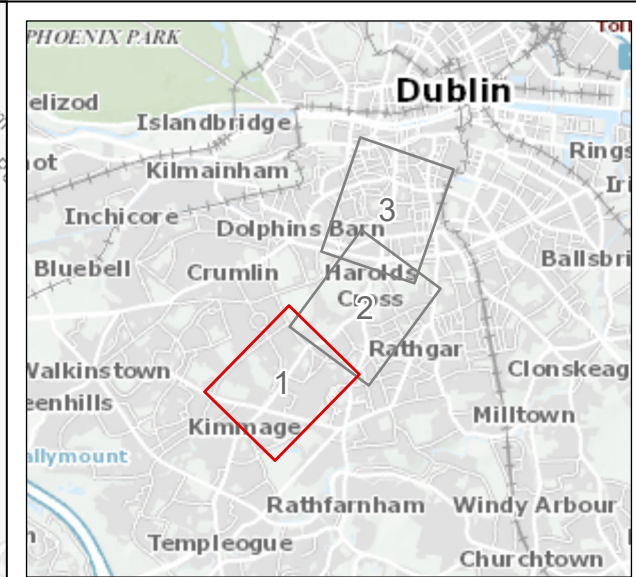
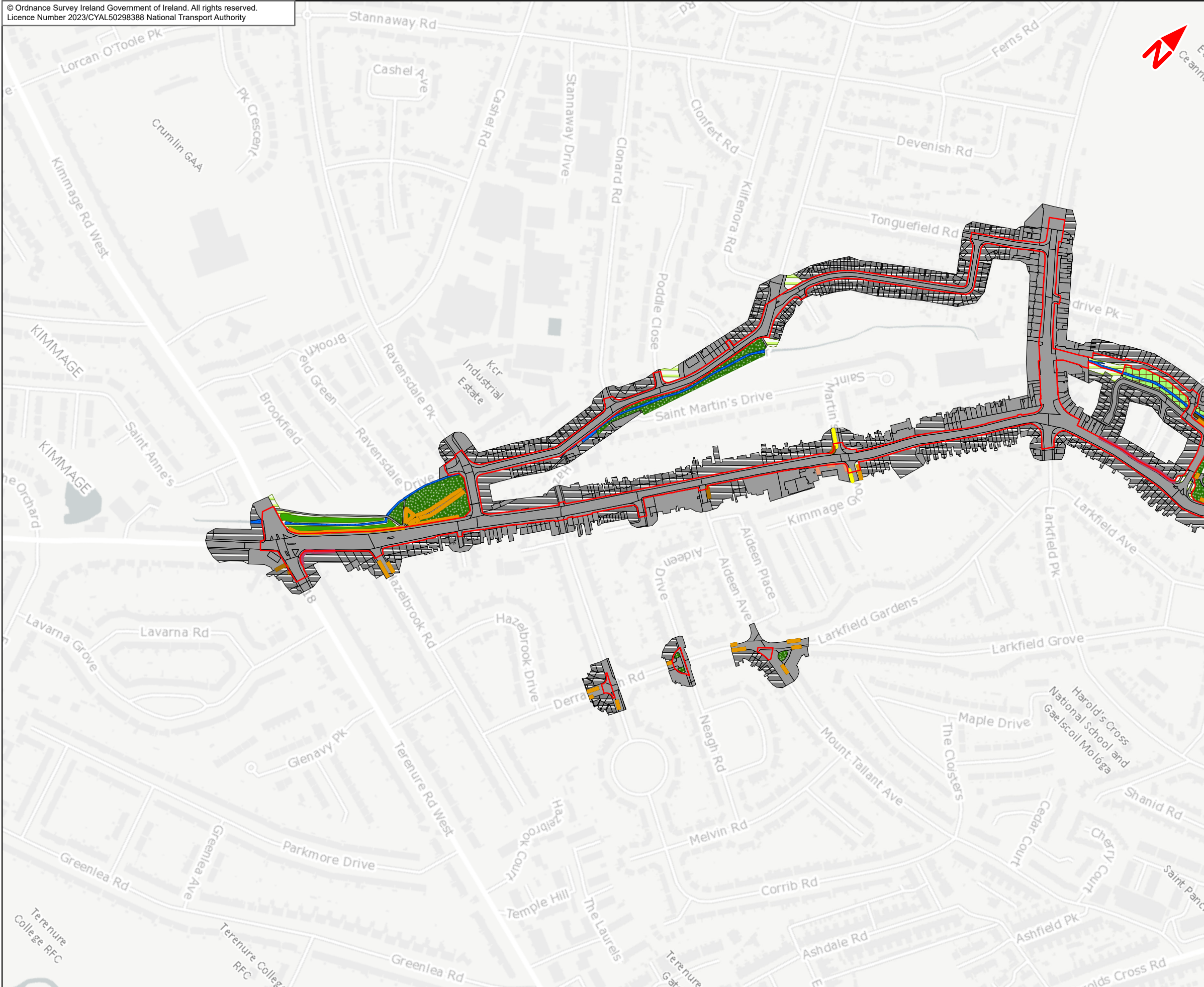
Consultant
JACOBS ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.4 Natural Heritage Areas and Proposed Natural Heritage Areas in the Vicinity of the Proposed Scheme				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0092	Sheet Number 2 of 2	Status A	Rev M01	

Date 22/03/2023	Scale @ A3 1:150 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



12.5
Habitat Survey Results
- Fossitt 2000 Habitat
Classification



Legend:
 Kimmage to City Centre Core Bus Corridor Scheme

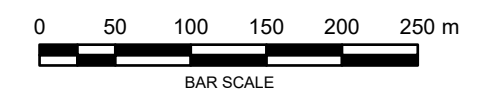
Fossitt Habitat Types

- BL1
- GA2
- WL1
- WL2
- WS3
- BC4
- BL3
- FW2
- GA2
- WD1
- WD5
- WL2

Other Habitat Types

- Res

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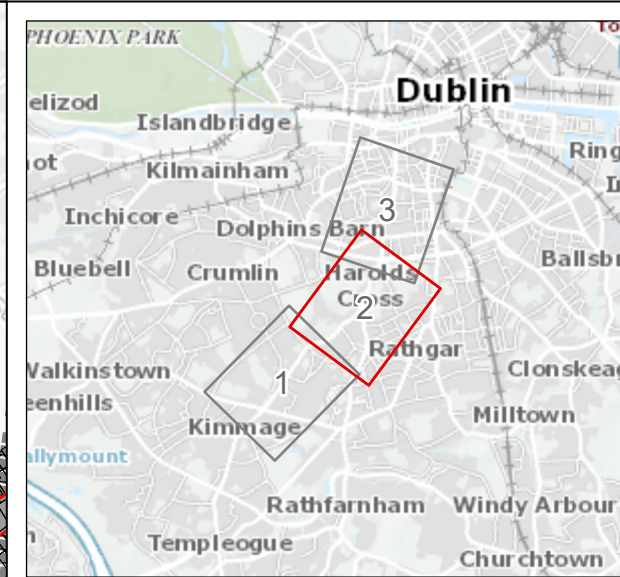
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client
NTA
 Udarás Náisiúnta Iompair
 National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0201	Sheet Number 1 of 3	Status A	Rev M01	

Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend:**
- Kimmage to City Centre Core Bus Corridor Scheme
- Fossitt Habitat Types**
- BL1
 - WL2
 - BC4
 - BL3
 - FW2
 - FW3
 - GA2
 - GS2
 - WD5
 - WL2
 - WS1
 - WS3
- Other Habitat Types**
- Res

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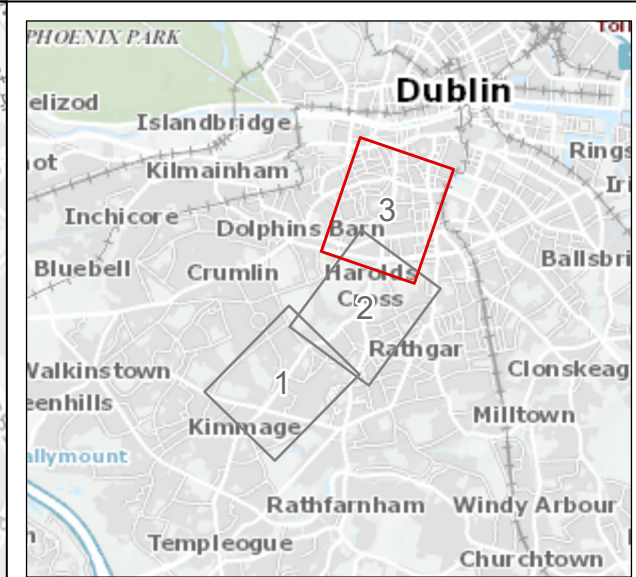
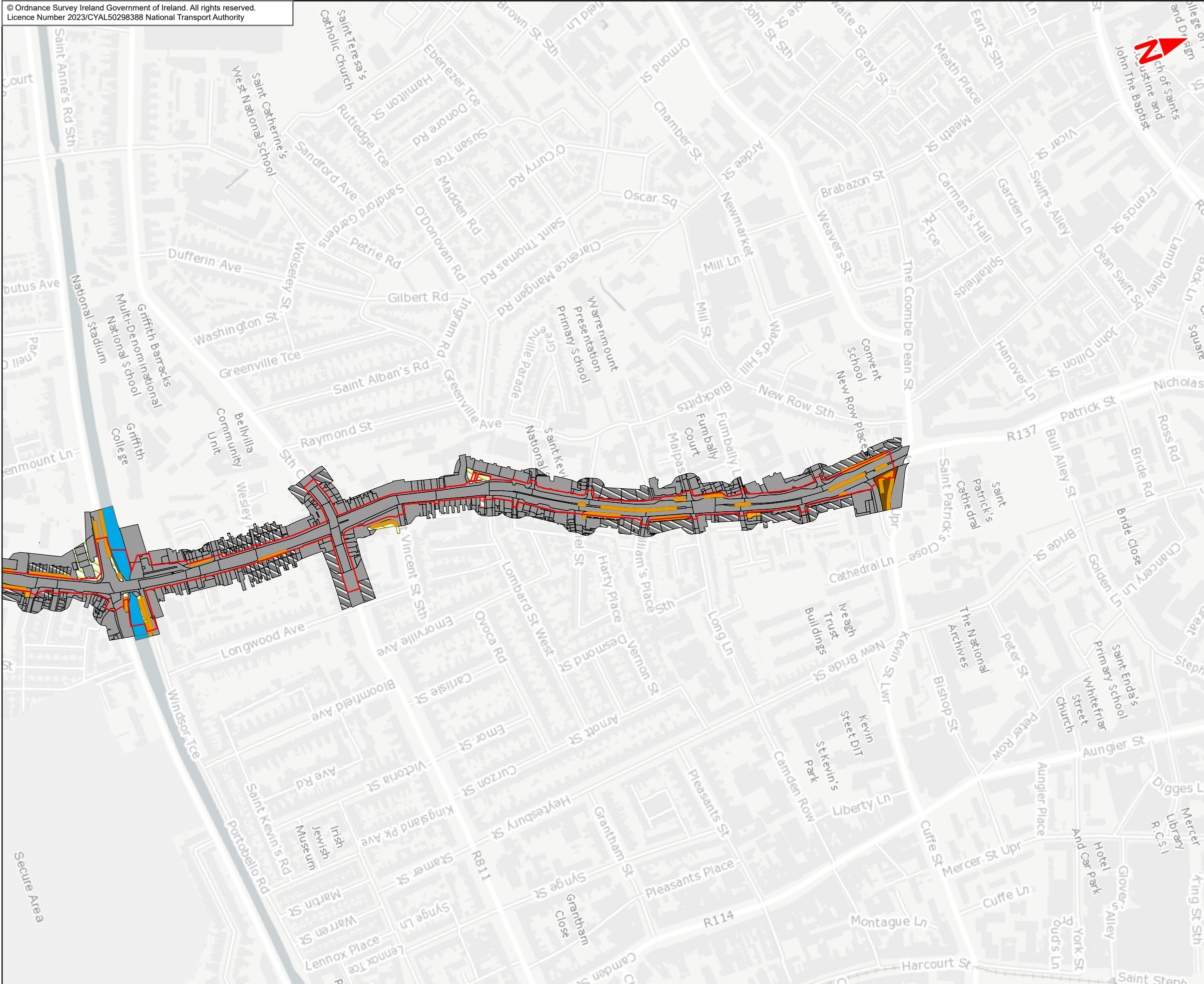
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0202	Sheet Number 2 of 3	Status A	Rev M01	



Legend:

- Kimmage to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

- WL2
- BC4
- BL3
- ED2
- FW3
- GA2
- GS2
- WS1

Other Habitat Types

- Res

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Consultant: **JACOBS ARUP SYSTRA**

Date: 22/03/2023
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Project Code: BCIDE
Originator Code: JAC

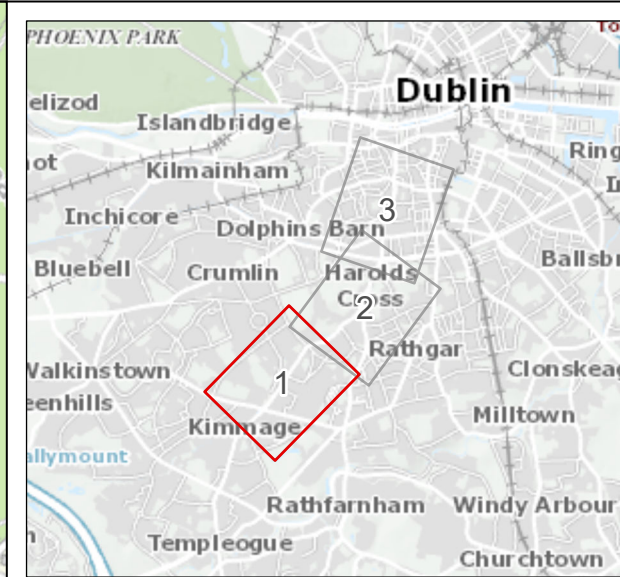
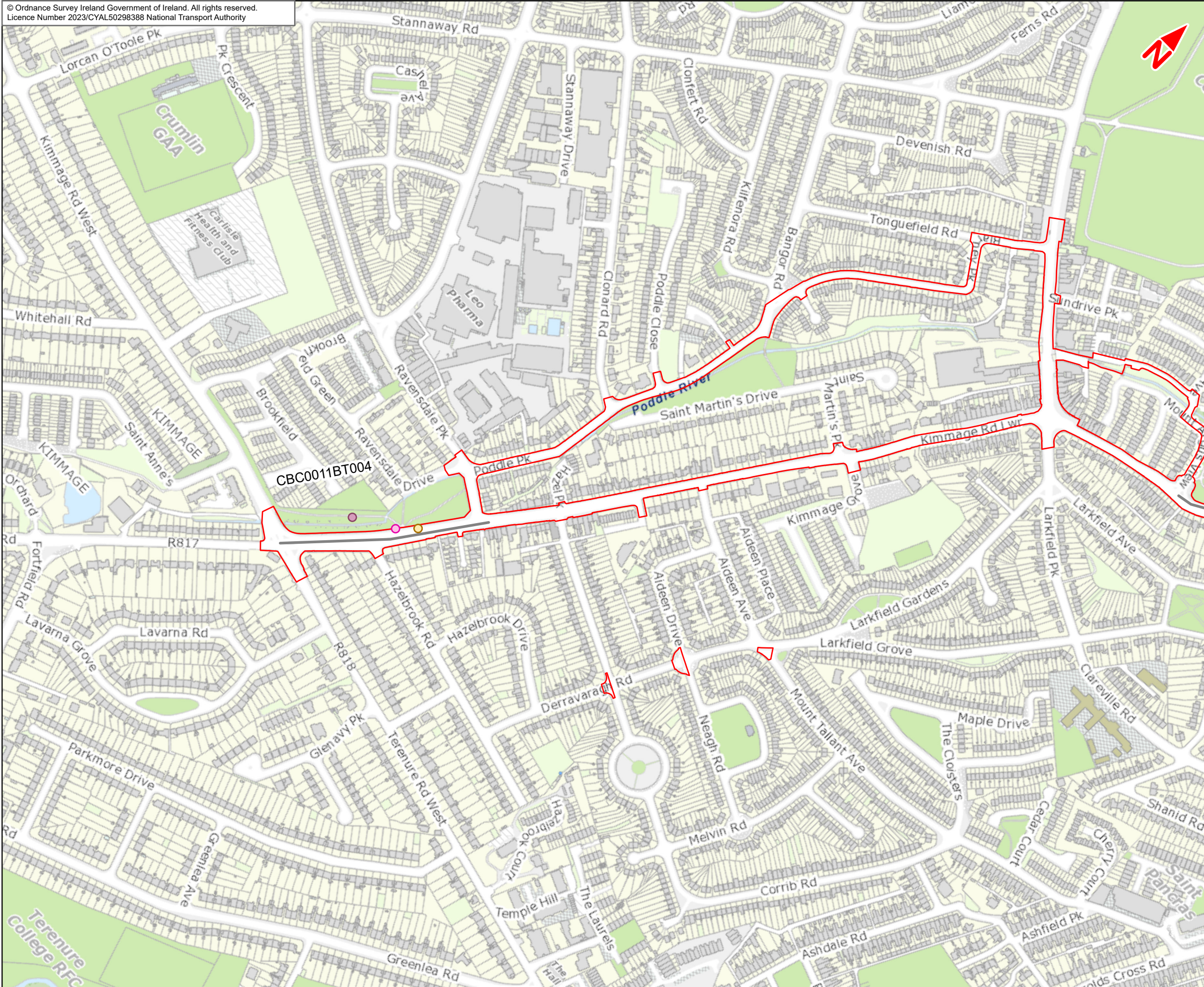
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Checked: PW
Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0203	Sheet Number: 3 of 3	Status: A	Rev: M01

12.6.1

Bat Survey Results: Bat Activity Survey Results





- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Bat Survey Transects
- Bat Species**
- *Nyctalus leisleri*
 - *Pipistrellus pipistrellus*
 - *Pipistrellus* sp.

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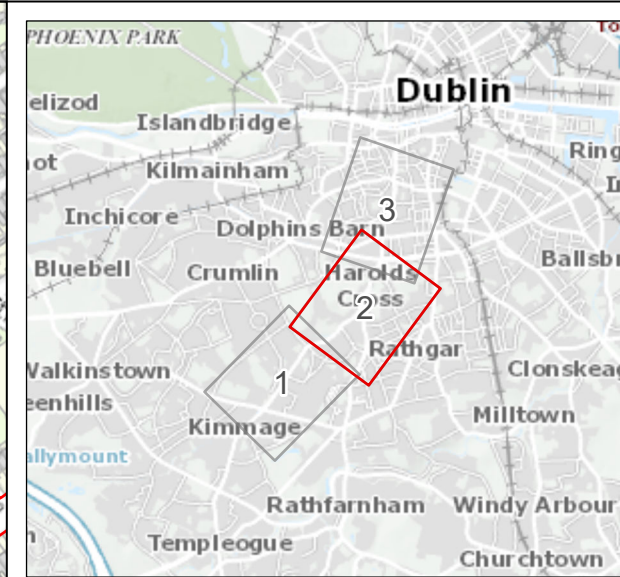
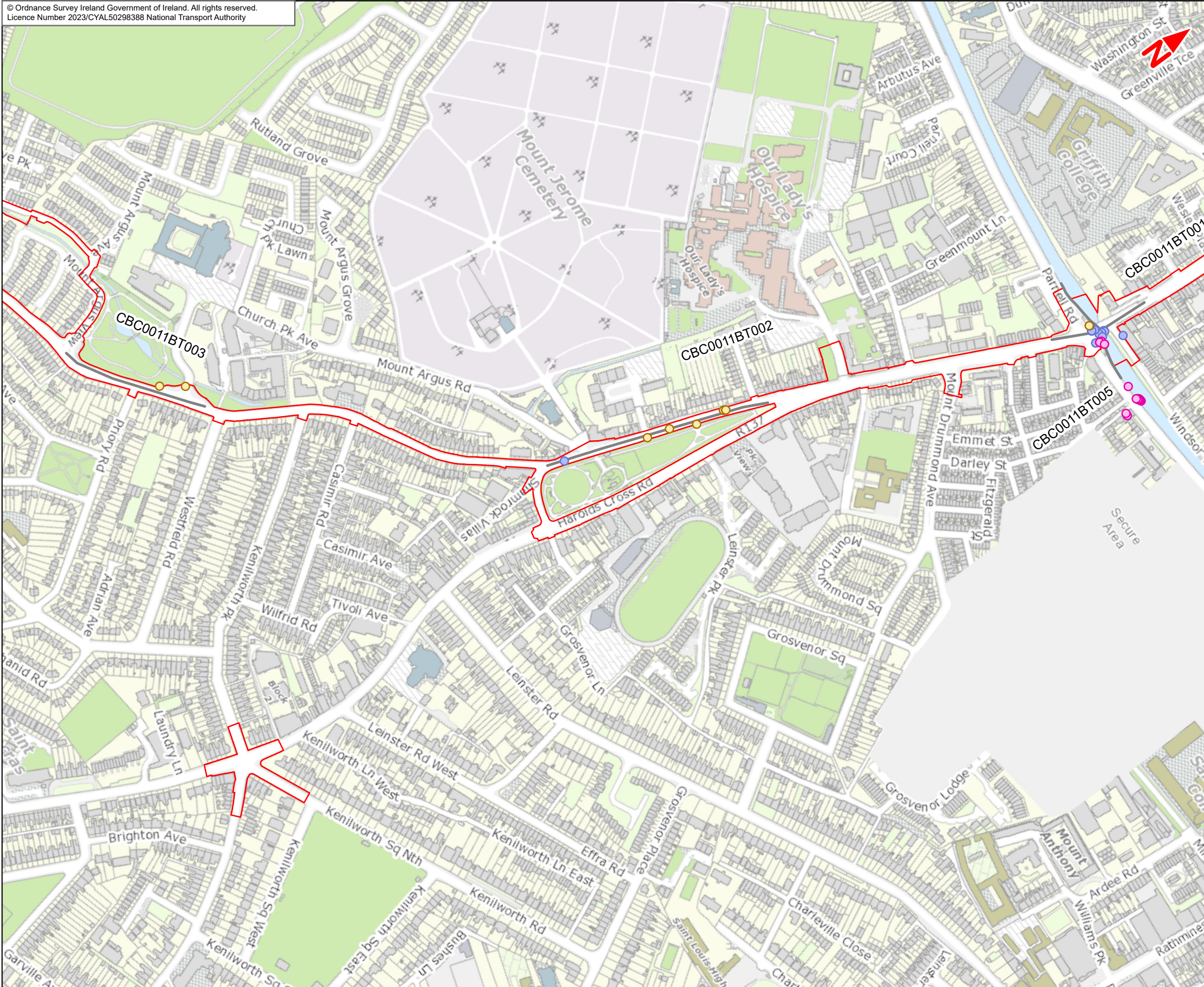
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Consultant
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.6.1 Bat Survey Results: Bat Activity Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0401	Sheet Number 1 of 3	Status A	Rev M01	

Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Bat Survey Transects
- Bat Species**
- *Nyctalus leisleri*
 - *Pipistrellus pipistrellus*
 - *Pipistrellus pygmaeus*

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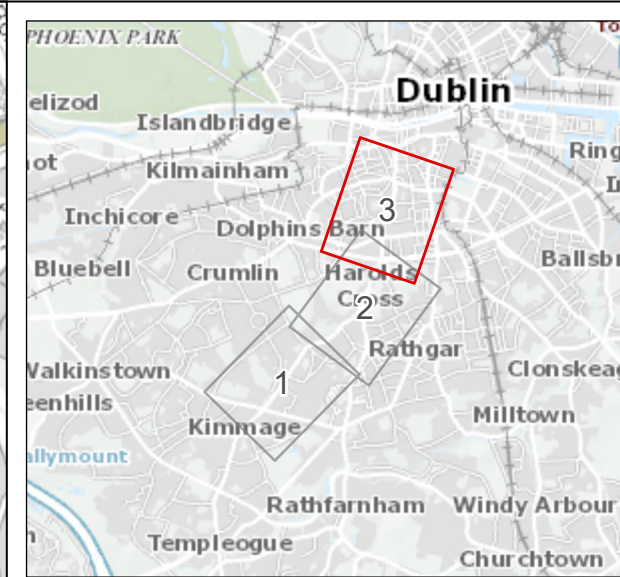
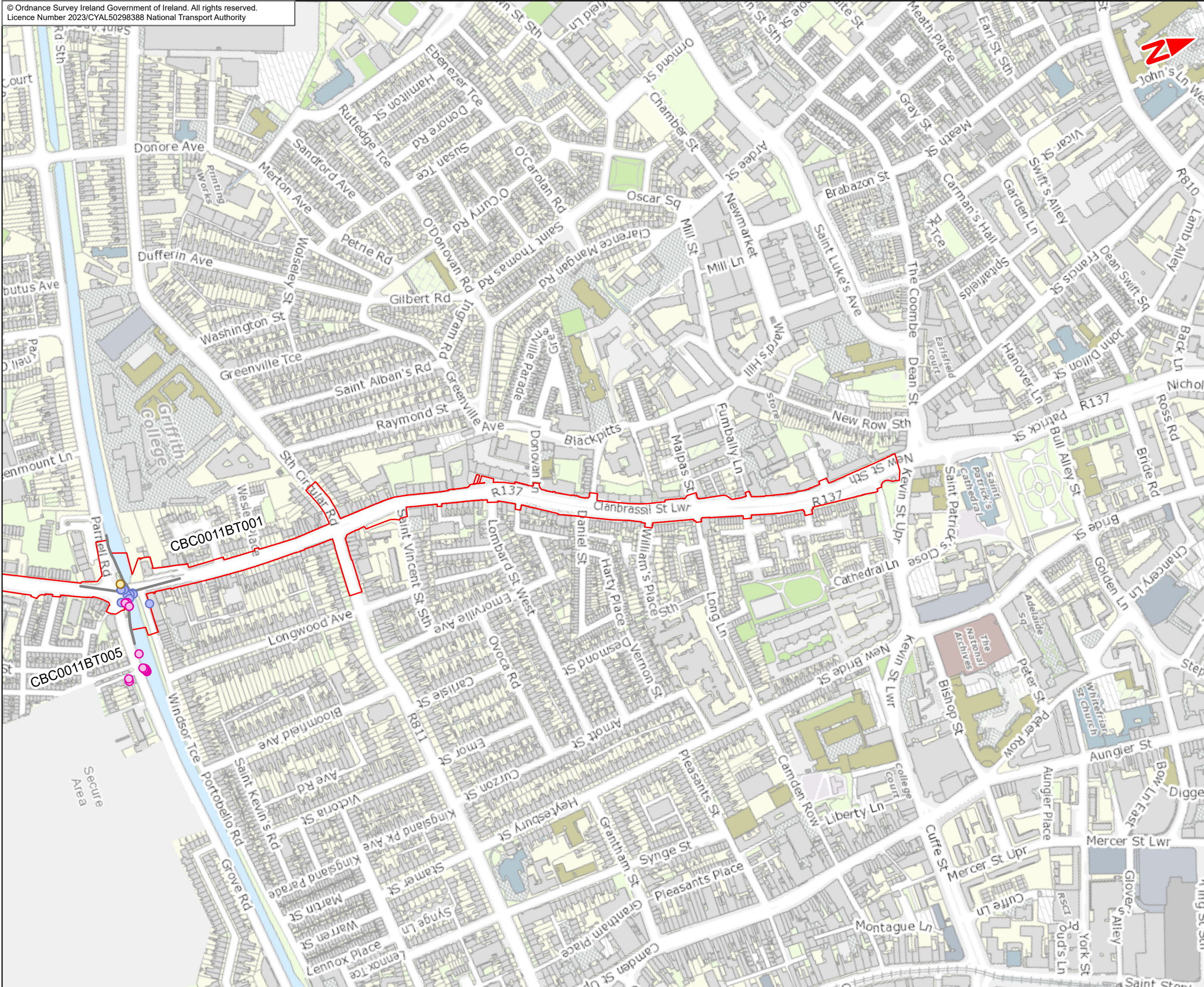
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.6.1 Bat Survey Results: Bat Activity Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0402	Sheet Number 2 of 3	Status A	Rev M01	



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Bat Survey Transects
- Bat Species**
- *Nyctalus leisleri*
 - *Pipistrellus pipistrellus*
 - *Pipistrellus pygmaeus*

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Date: 22/03/2023 Scale @ A3: 1:5 000
Drawn: EK Checked: PW Approved: DK

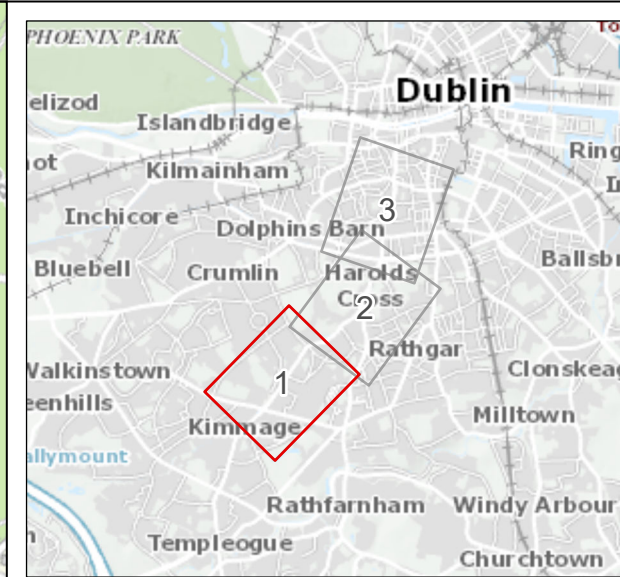
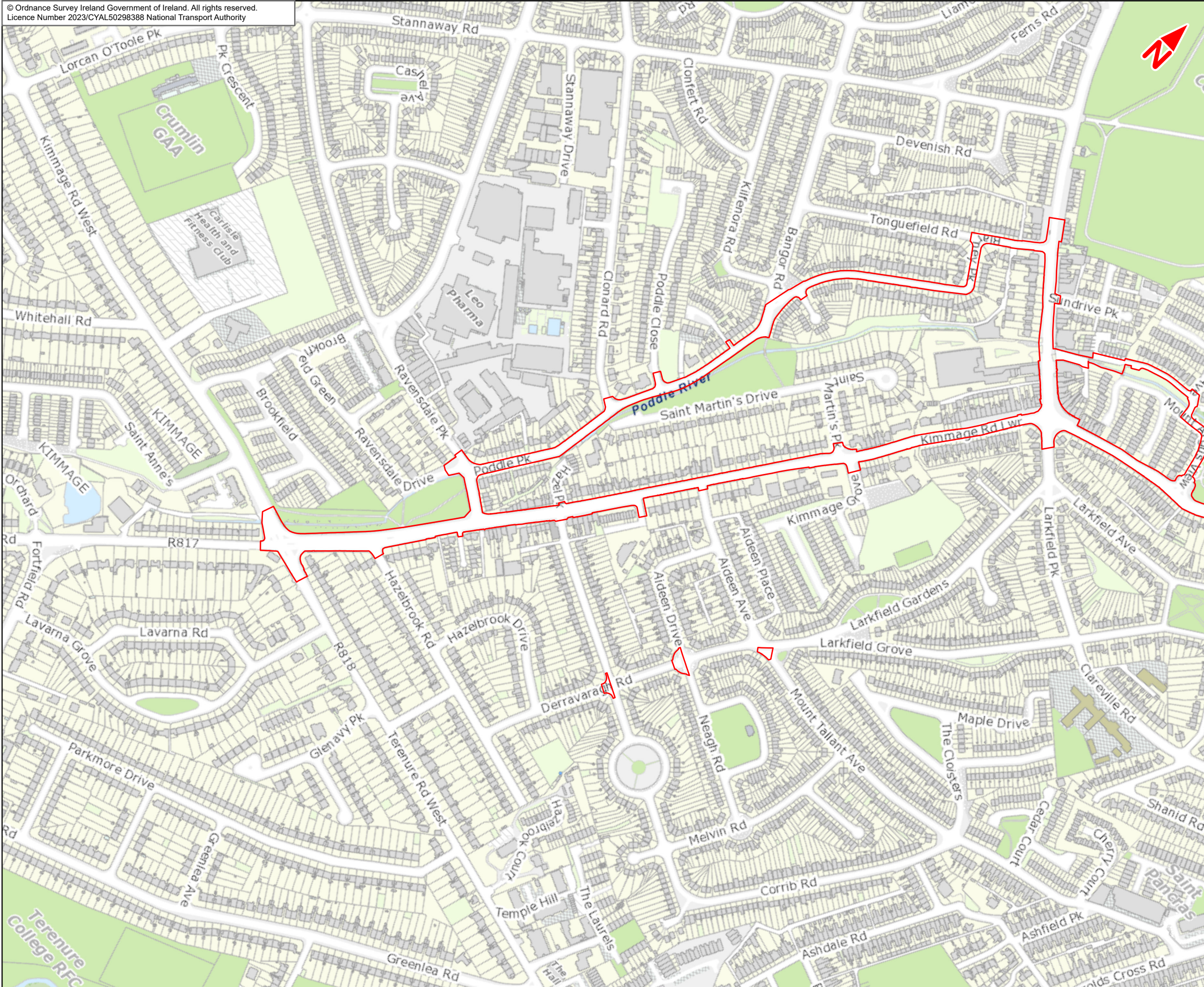
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.6.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0403	Sheet Number: 3 of 3	Status: A	Rev: M01

12.6.2

Bat Survey Results:
Potential Bat Roost Feature
Survey Results





Legend :
 Kimmage to City Centre Core Bus Corridor Scheme

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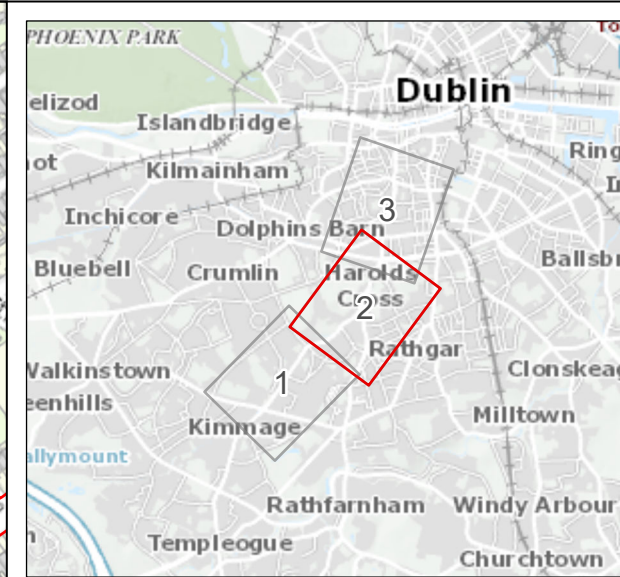
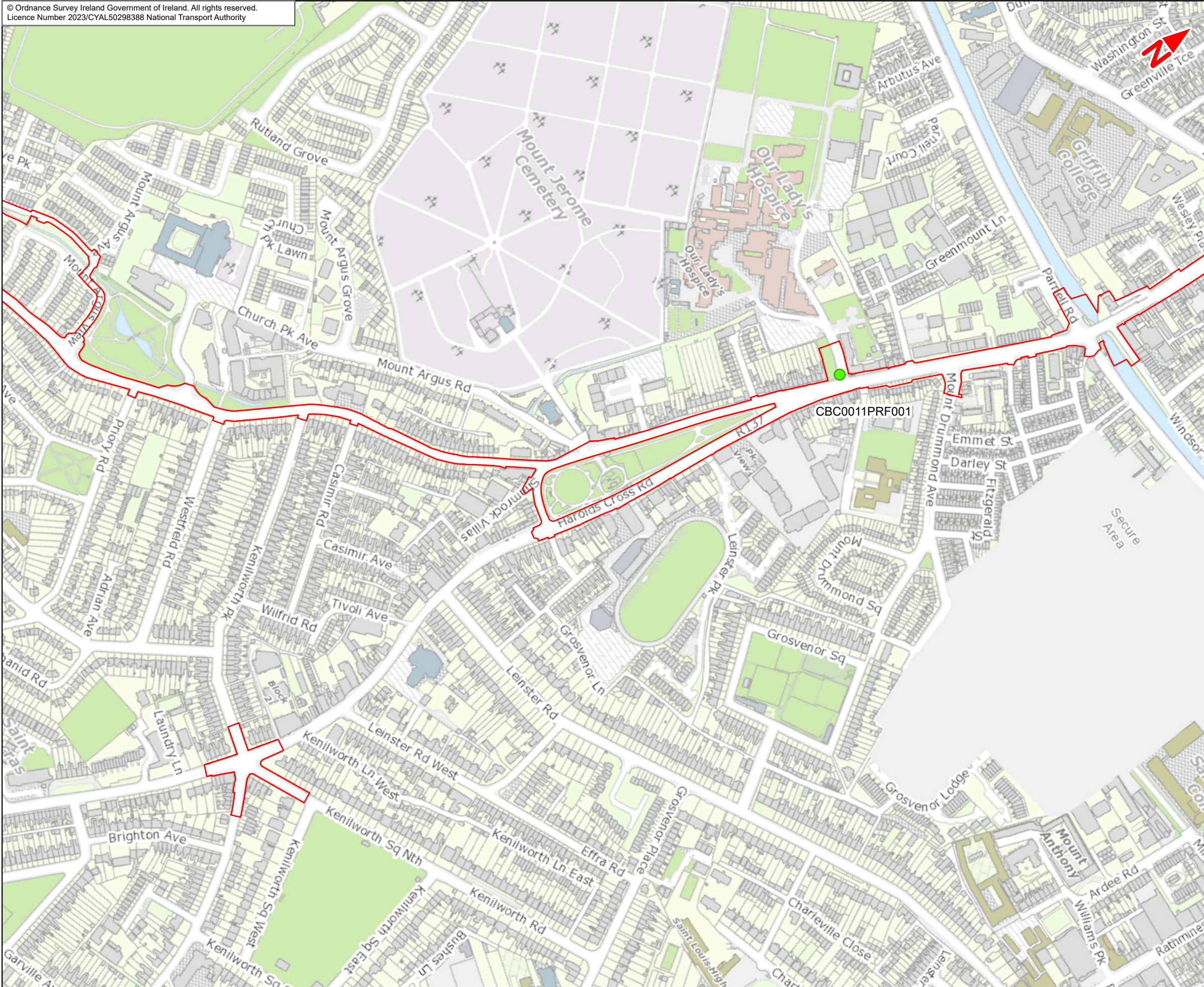
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.6.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0501	Sheet Number 1 of 3	Status A	Rev M01

Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Potential Roost Features

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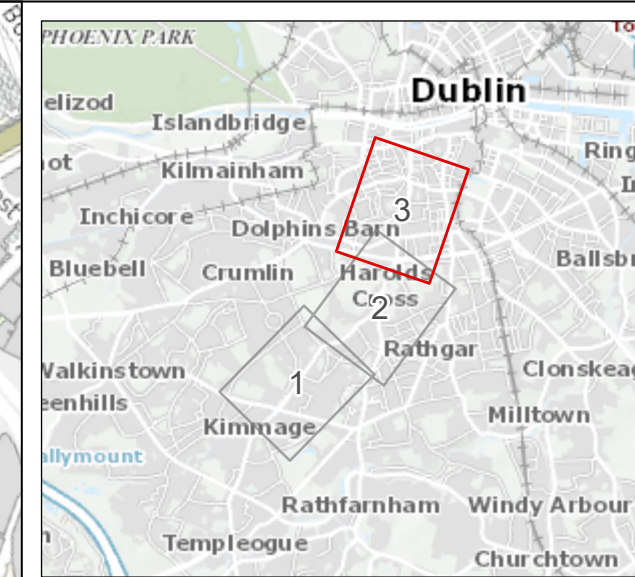
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.6.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0502	Sheet Number: 2 of 3	Status: A	Rev: M01



Legend :
 Kimmage to City Centre Core Bus Corridor Scheme

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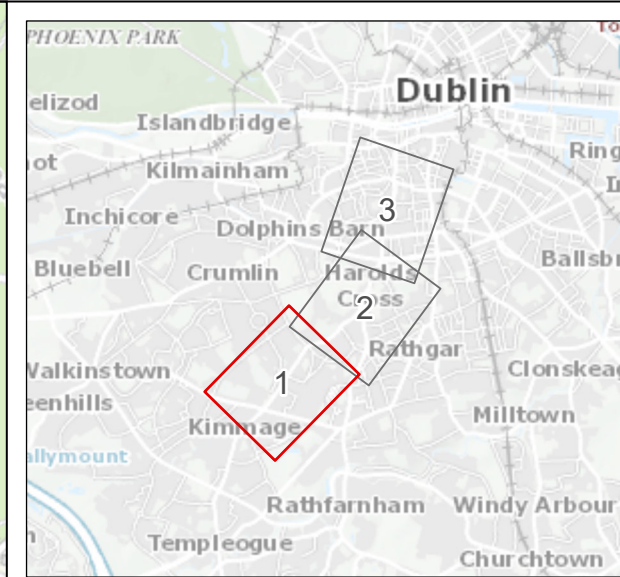
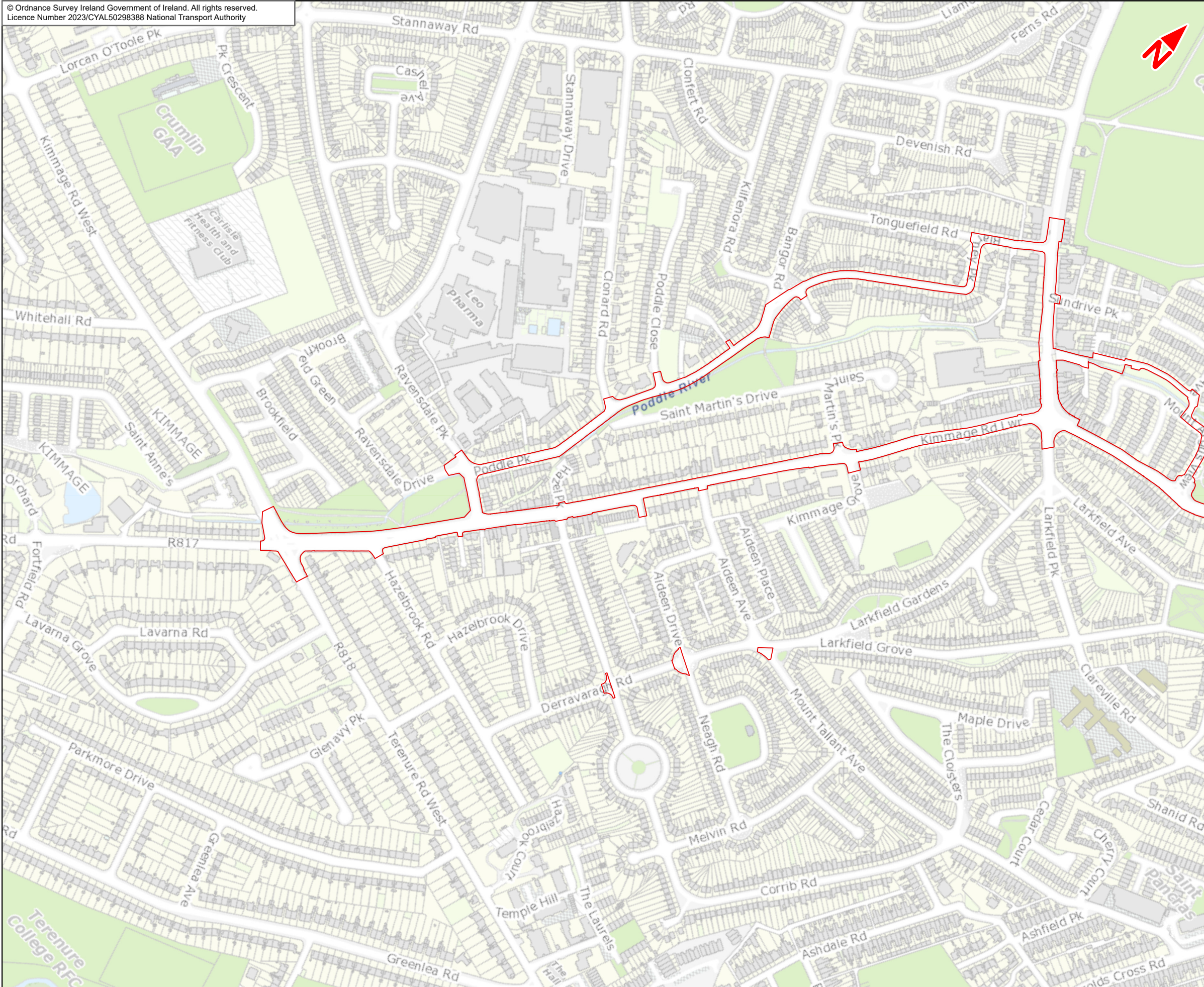
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Date: 22/03/2023 Scale @ A3: 1:5 000
 Drawn: EK Checked: PW Approved: DK
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Kimmage to City Centre Core Bus Corridor Scheme Figure 12.6.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0503	Sheet Number: 3 of 3	Status: A	Rev: M01



12.7
Mammal, Aquatic,
and Riparian Survey
Results



Legend :
 Kimmage to City Centre Core Bus Corridor Scheme

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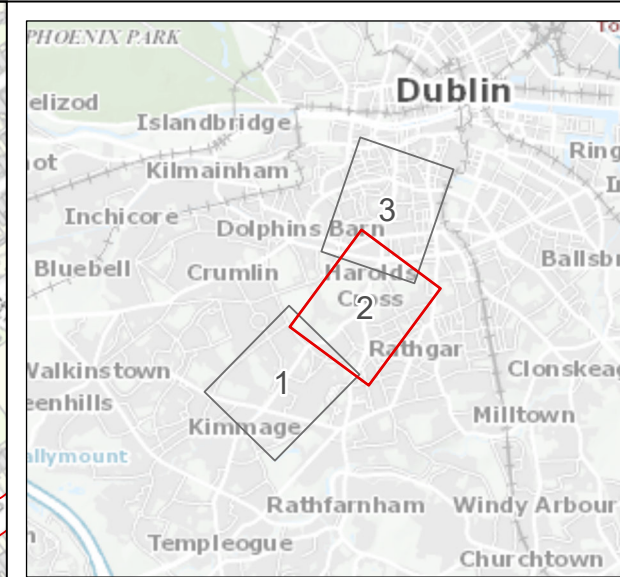
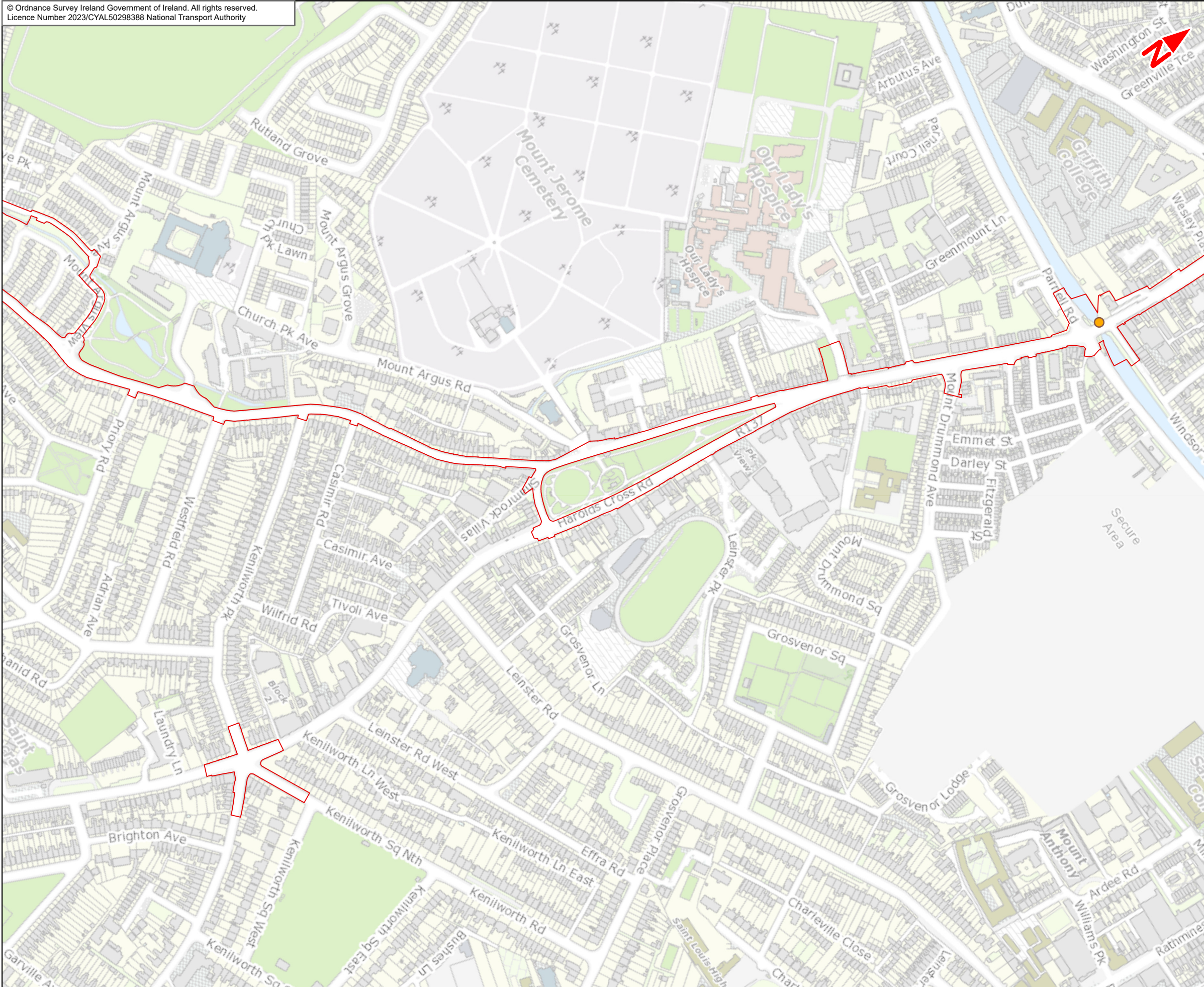


Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client
NTA
 Udarás Náisiúnta Iompair
 National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.7 Mammal, Aquatic, and Riparian Survey Results				
Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0801
Sheet Number 1 of 3		Status A	Rev M01	



- Legend :**
- Kimmage to City Centre Core Bus Corridor Scheme
 - Otter Signs

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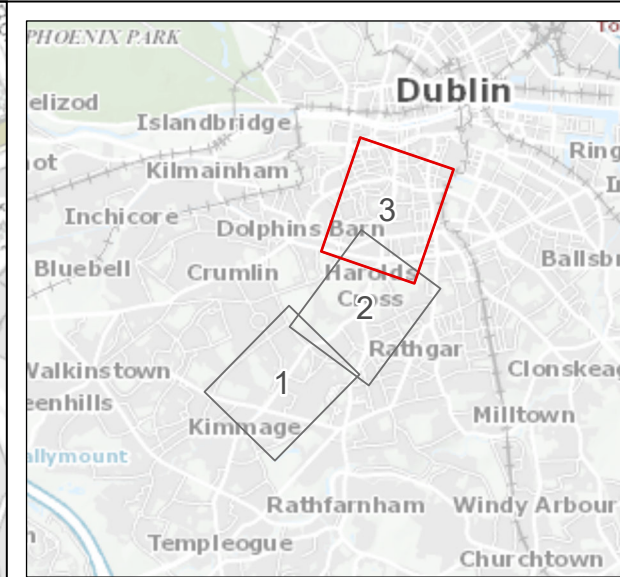
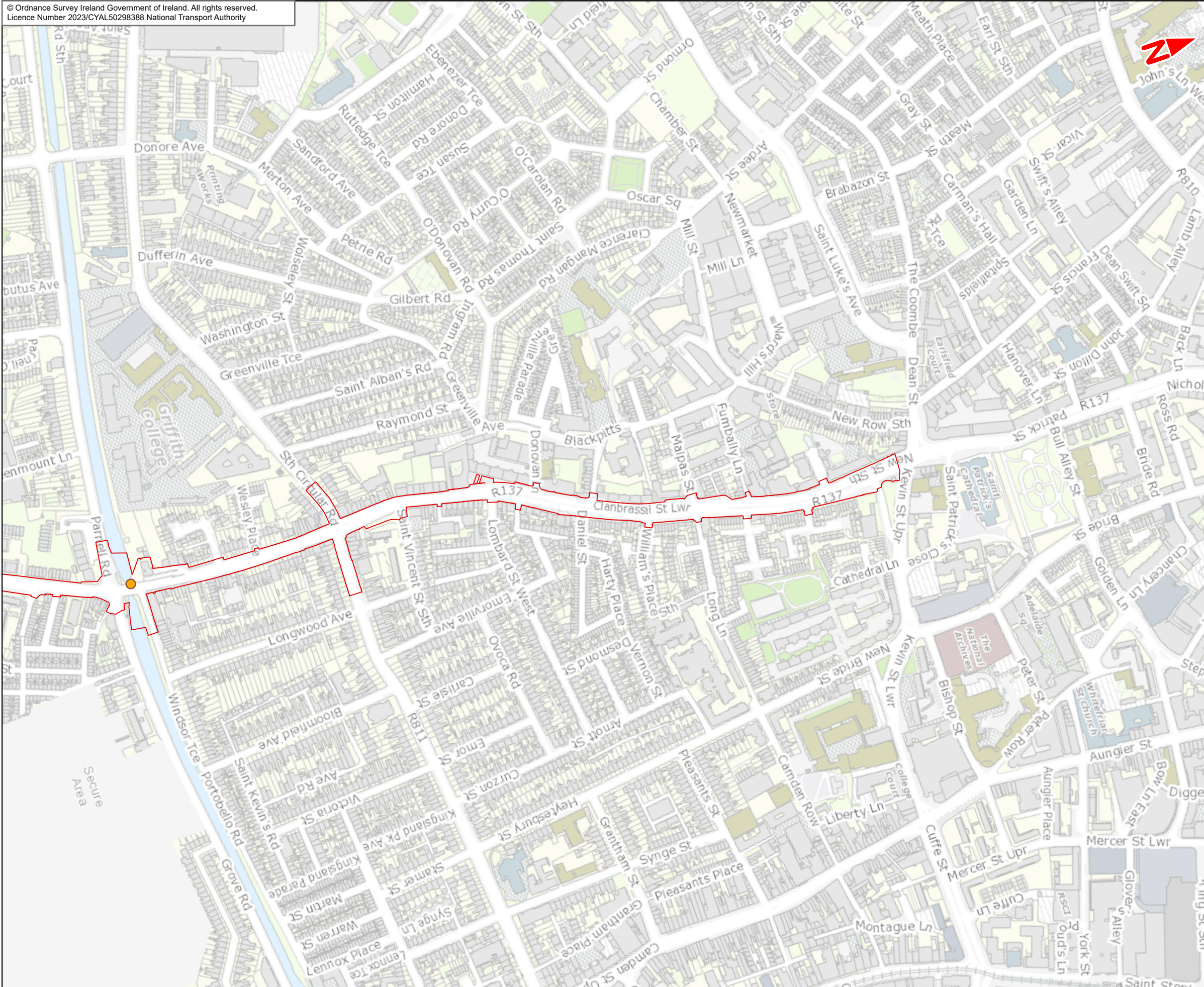
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Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Kimmage to City Centre Core Bus Corridor Scheme Figure 12.7 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-0011_XX_00-DR-GG-0802	Sheet Number 2 of 3	Status A	Rev M01	



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