14.1
Regional Geomorphology

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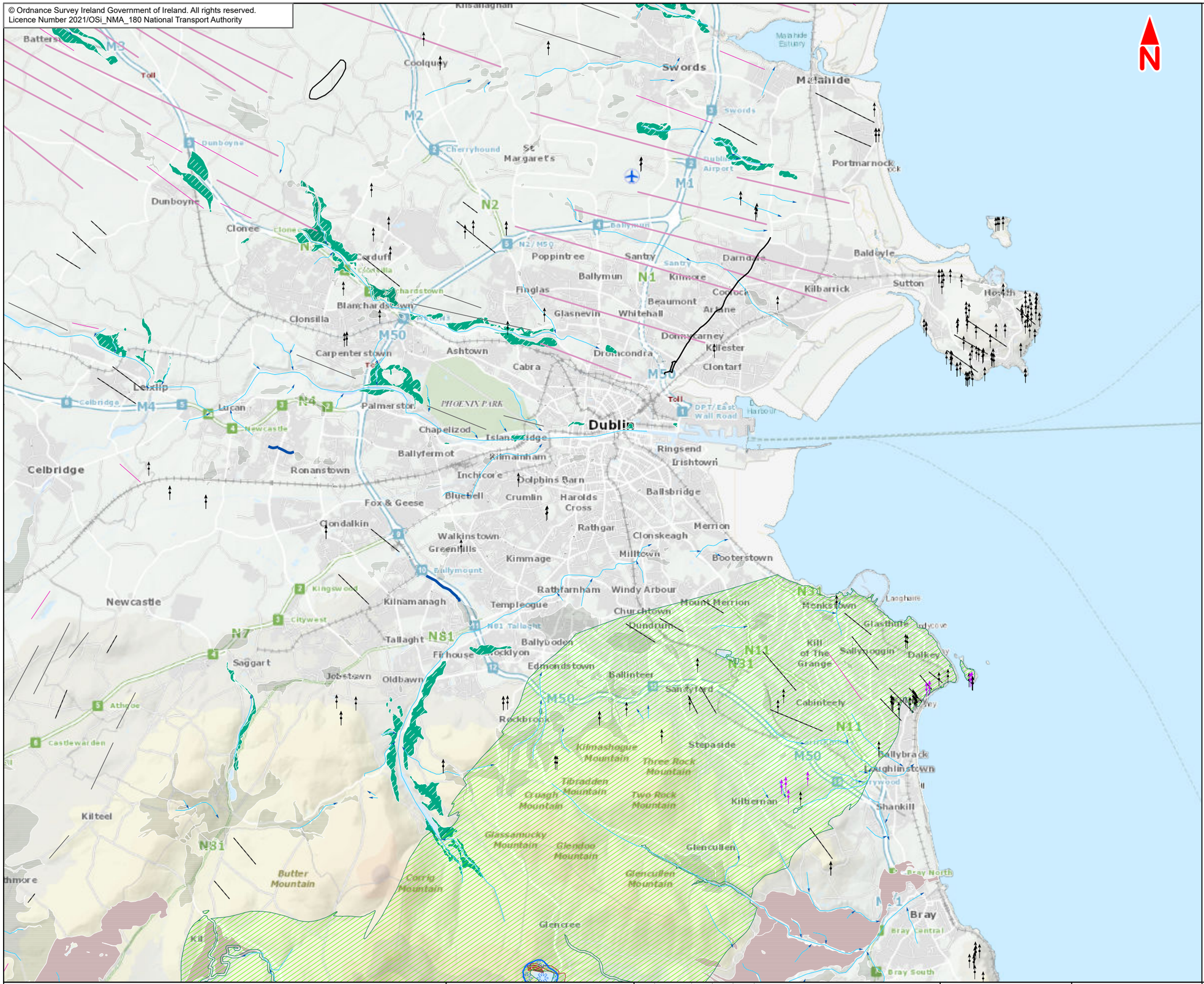

Legend :

Clongriffin to City Centre Core Bus Corridor Scheme

GSI Quaternary Geomorphology

Subglacial Lineation Striae

- Striae
- Roche Moutonnee

Subglacial Lineation Landforms

- Crag-and-Tail
- Drumlin
- Mega scale glacial lineation
- Streamlined Bedrock

Meltwater Landforms

- Esker ridge
- Meltwater channel

Subglacial Moraines

- Composite Thrust Block Moraine

Mountain Glaciation Corries

- Corries

Erratic Carriage Source

- Indicator erratic source area

Deglacial Landforms

- Delta
- Glaciofluvial Terrace
- Hummocky Sand and Gravel
- Moraine Ridge

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0 1 2 3 4 5 km

BAR SCALE

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Building Ireland's Future

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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code
BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.1
Regional Geomorphology

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0001	1 of 1	A	M01

14.2
Regional Soils

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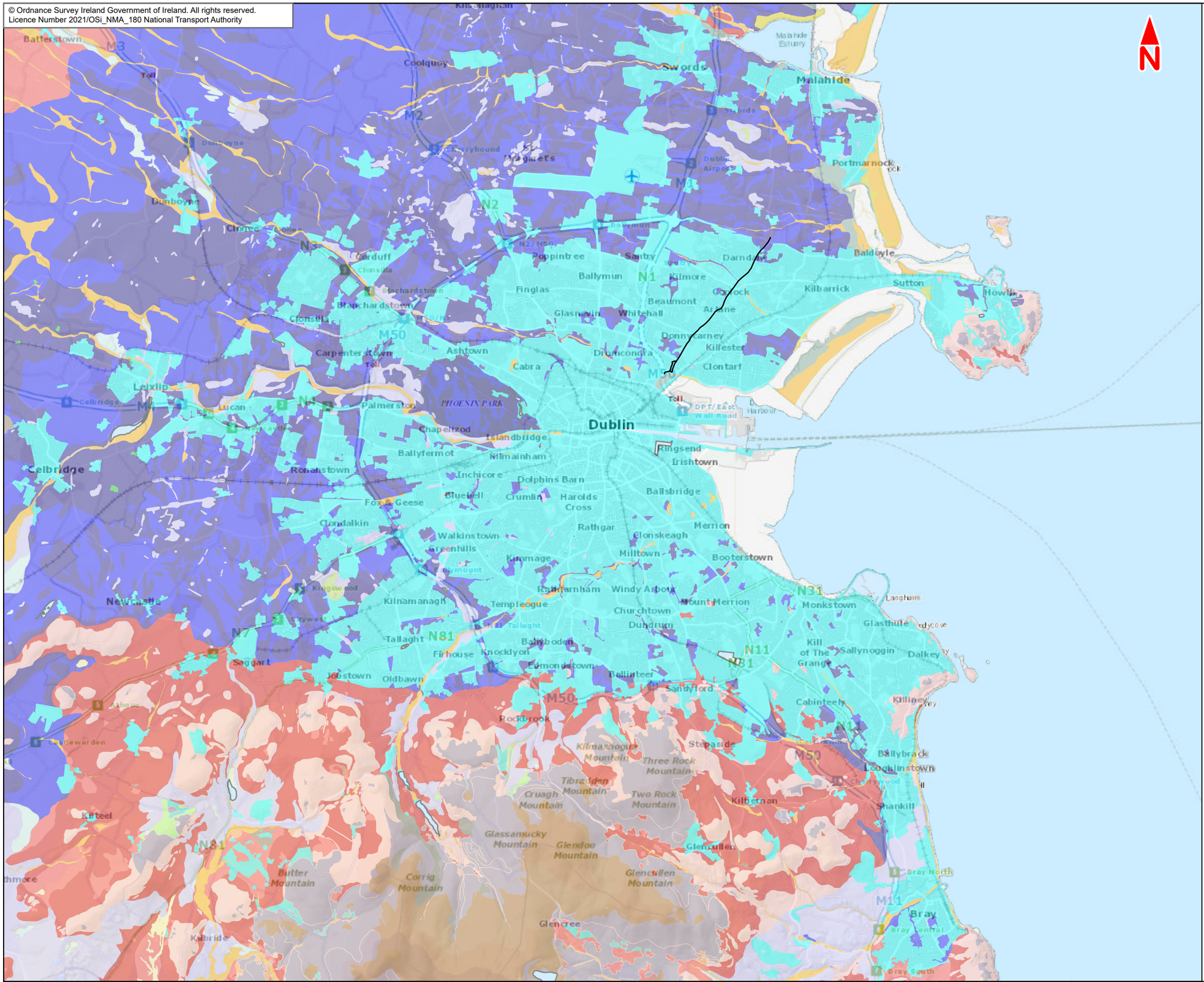

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme

Teagasc Soils

- AeoUND - Aeolian Undifferentiated
- AlluvMIN - Mineral alluvium
- AminDW - Acid Brown Earths / Brown Podzolics
- AminPD - Surface water Gleys / Ground water Gleys Acidic
- AminPDPT - Peaty Gleys Acidic
- AminSP - Surface water Gleys / Ground water Gleys Shallow
- AminSRPT - Podzols Peaty
- AminSW - Lithosols / Regosols
- BktPt - Blanket peat
- BminDW - Grey Brown Podzolics / Brown Earths Basic
- BminPD - Surface water Gleys / Ground water Gleys Basic
- BminPDPT - Peaty Gleys Basic Parent Materials Basic
- BminSP - Surface water Gleys / Ground water Gleys Shallow
- BminSPPT - Peaty Gleys Shallow
- BminSRPT - Lithosols Peats
- BminSW - Renzinas / Lithosols
- Cut - Raised Bog cutaway/cutover
- FenPT - Fen peat
- Lac
- Made
- MarSands
- MarSed
- Scree
- Water

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0 1 2 3 4 5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.2
Regional Soils

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0002	1 of 1	A	M01

14.3
Regional Subsoils

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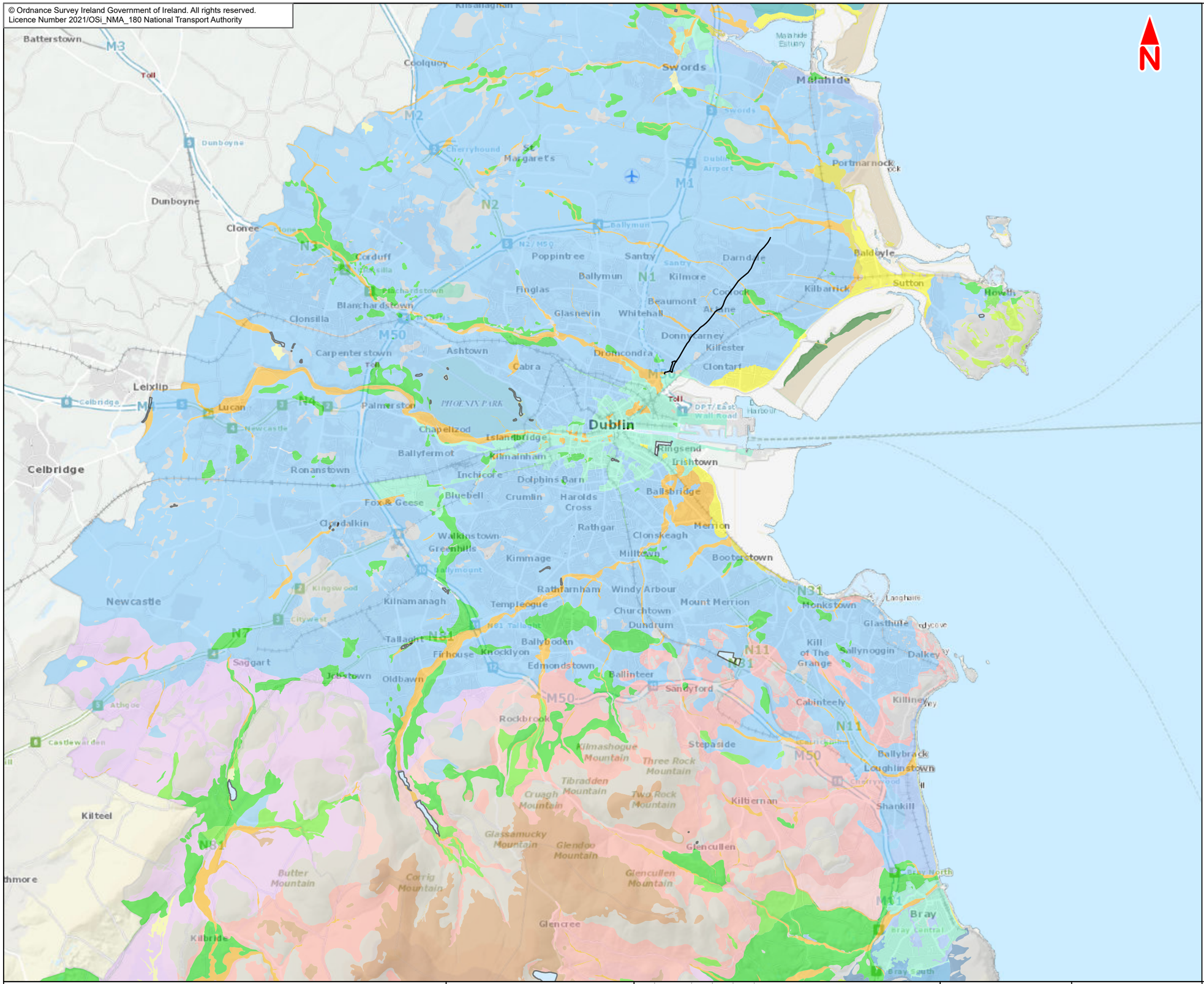

Legend :

Clongriffin to City Centre Core Bus Corridor Scheme

Quaternary Sediments - 1:50,000

- A, Alluvium
- Ag, Alluvium (gravelly)
- As, Alluvium (sandy)
- Asi, Alluvium (silty)
- BktPt, Blanket Peat
- Cut, Cut over raised peat
- GCh, Gravels derived from chert
- GLPSsS, Gravels derived from Lower Palaeozoic sandstones and shales
- GLs, Gravels derived from Limestones
- GMp, Gravels derived from Metamorphic rocks
- GGr, Gravels derived from granite
- Rck, Bedrock outcrop or subcrop
- Scree, Scree
- L, Lacustrine sediments
- Lsi, Lacustrine silts
- Mbs, Marine beach sands
- Mesc, Esturine silts and clays
- TdlMr, Tidal Marsh
- IrSTCSsS, Irish Sea Till derived from Cambrian sandstones and shales
- IrSTLPSsS, Irish Sea Till derived from Lower Palaeozoic sandstones and shales
- IrSTLs, Irish Sea Till derived from Limestones
- TCSsS, Till derived from Cambrian sandstones and shales
- TGr, Till derived from granites
- TLPSsS, Till derived from Lower Palaeozoic sandstones and shales
- TLs, Till derived from limestones
- TMp, Till derived from Metamorphic rocks
- TQz, Till derived from quartzites
- Ws, Windblown sands
- Wsd, Windblown sands and dunes
- Dam
- Embankment
- Landfill
- Urban
- Water

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0 1 2 3 4 5 km

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Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.3
Regional Subsoils

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0003	1 of 1	A	M01

14.4
Regional Bedrock

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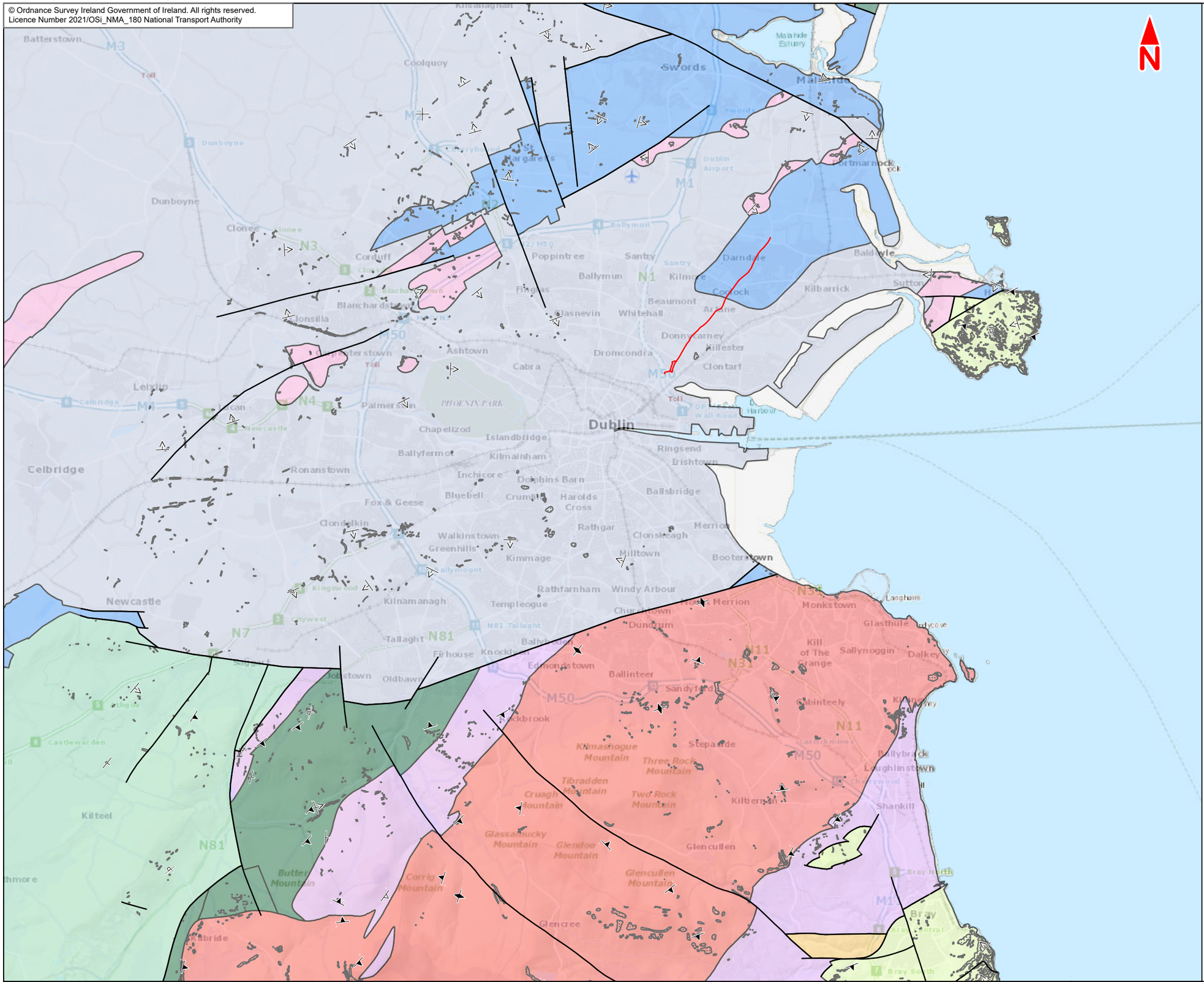

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- GSI Bedrock Geological Faults - 1:500,000

GSI Bedrock Structural Symbols - 1:100,000

- First foliation parallel to bedding
- Horizontal Bedding
- Strike and dip of bedding, right way up
- Strike and dip of bedding, way up unknown
- Strike and dip of first foliation
- Strike and dip of overturned bedding
- Strike and dip of second foliation
- Strike of vertical first foliation

GSI Bedrock Outcrop - 1:100,000

- GSI Bedrock Outcrop - 1:100,000

GSI Bedrock Geology - 1:500,000

- Visean basinal limestone "Calp"
- Waulsortian mudbank
- Courceyan limestone
- Up Dev-Lr Carb ORS
- Caledonian granite
- Silurian sandstone, g'wacke, shale
- Mid-Up Ordovician basic volcanics
- Lr-Mid Ordovician slate
- Lr-Mid Ordovocian acid volcanics
- Lr-Mid Ordovician basic volcanics
- Cambrian greywacke, sandst, qtzite

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0 1 2 3 4 5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.4
Regional Bedrock

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0004	1 of 1	A	M01

14.5
Regional Aquifers

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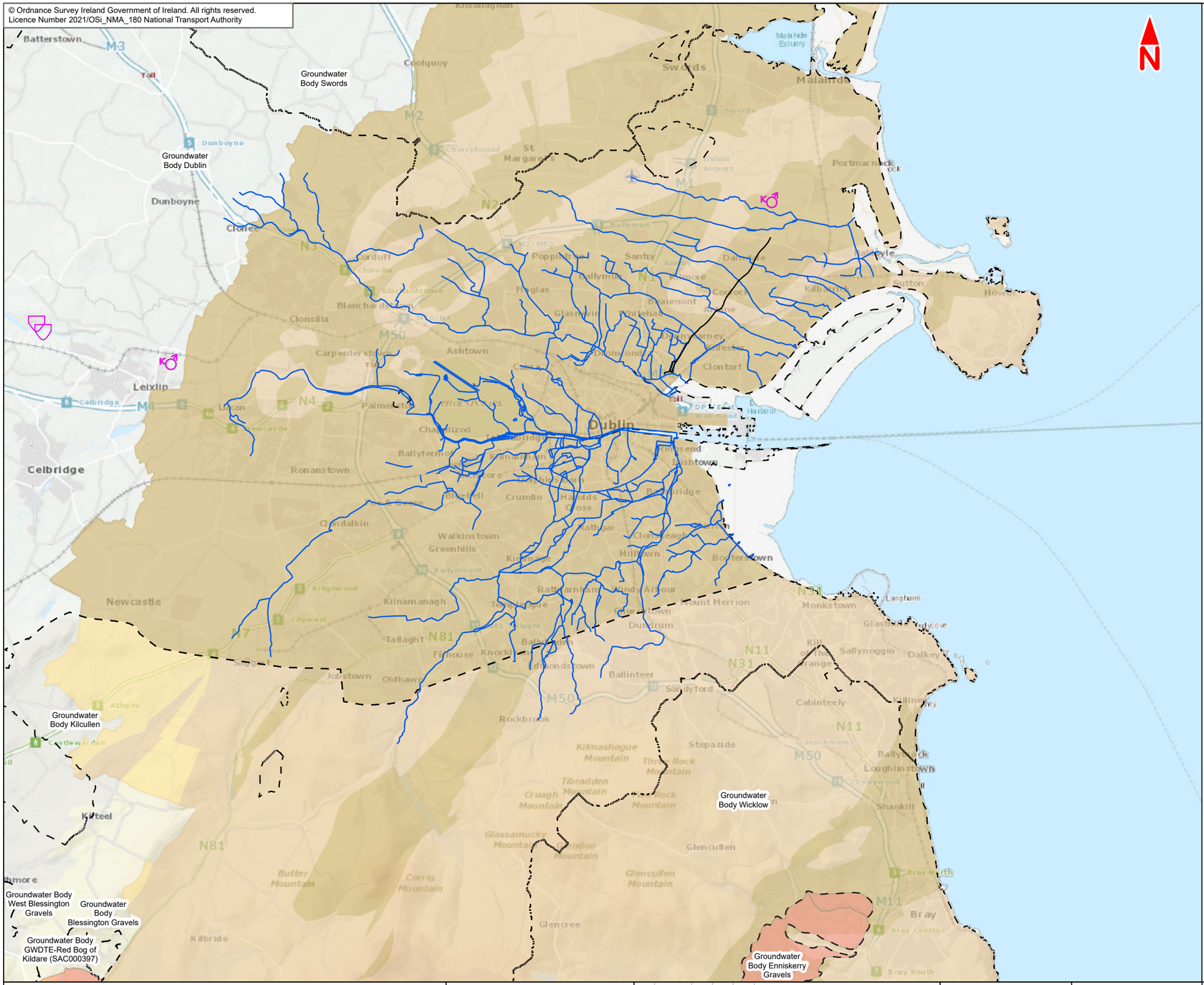

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- Rivers Of Dublin
- GSI Sand And Gravel Aquifers
- Groundwater Bodies - Water Framework Directive

GSI Karst

- CAVE
- SPRING

GSI Bedrock Aquifer

- Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI)
- Locally Important Aquifer - Bedrock which is Generally Moderately Productive (Lm)
- Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones (PI)
- Poor Aquifer - Bedrock which is Generally Unproductive (Pu)

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0 1 2 3 4 5 km

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Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.5
Regional Aquifers

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0005	1 of 1	A	M01

14.6
Regional Groundwater Recharge

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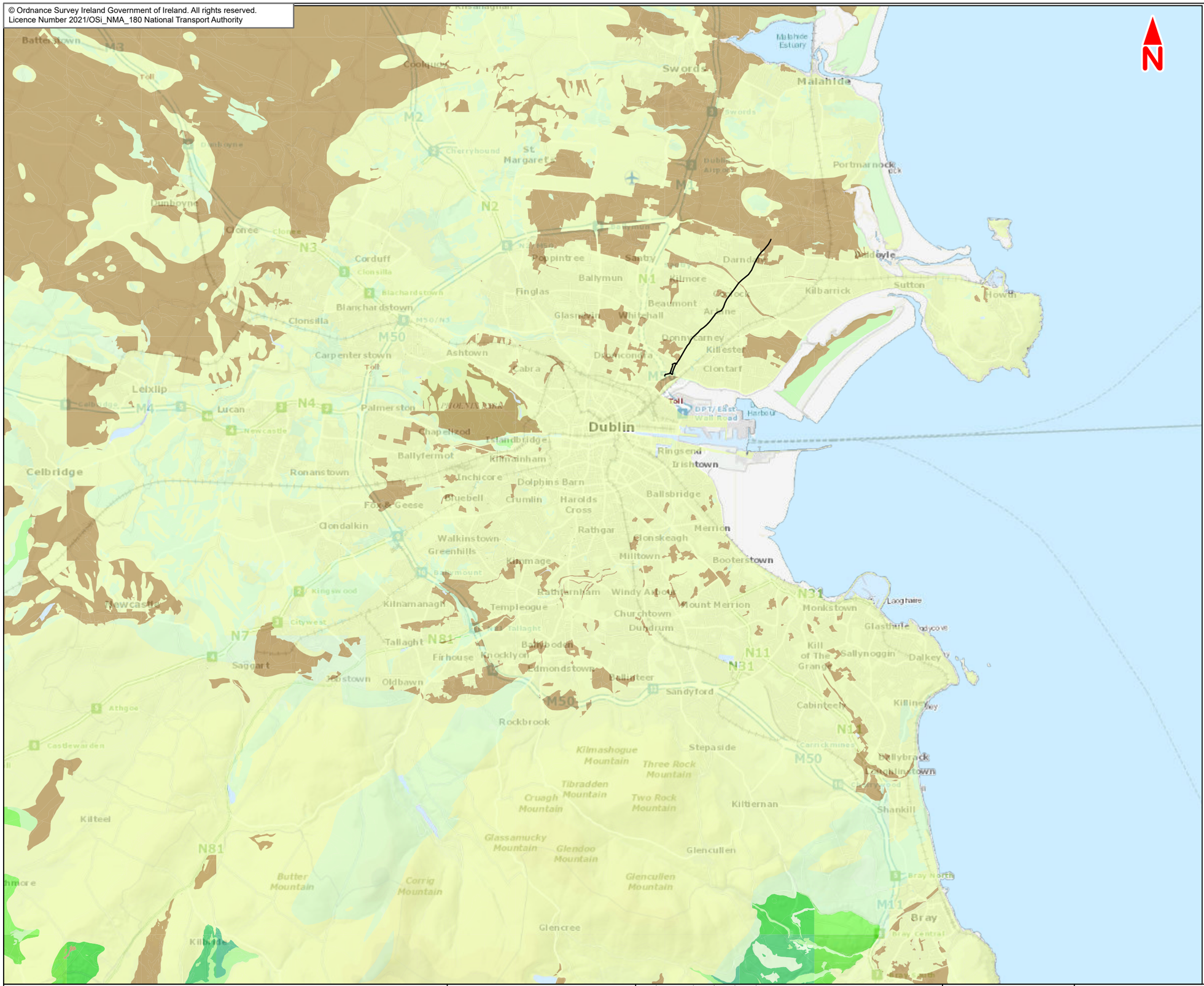

Legend :

Clongriffin to City Centre Core Bus Corridor Scheme

GSI Groundwater Recharge

Annual Recharge (mm)

- 601-700 mm
- 551-600 mm
- 501-550 mm
- 451-500 mm
- 401-450 mm
- 351-400 mm
- 301-350 mm
- 251-300 mm
- 201-250 mm
- 151-200 mm
- 101-150 mm
- 51-100 mm
- 1-50 mm

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0 1 2 3 4 5 km

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Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.6
Regional Groundwater Recharge

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0006	1 of 1	A	M01

14.7
Topography and Geomorphology

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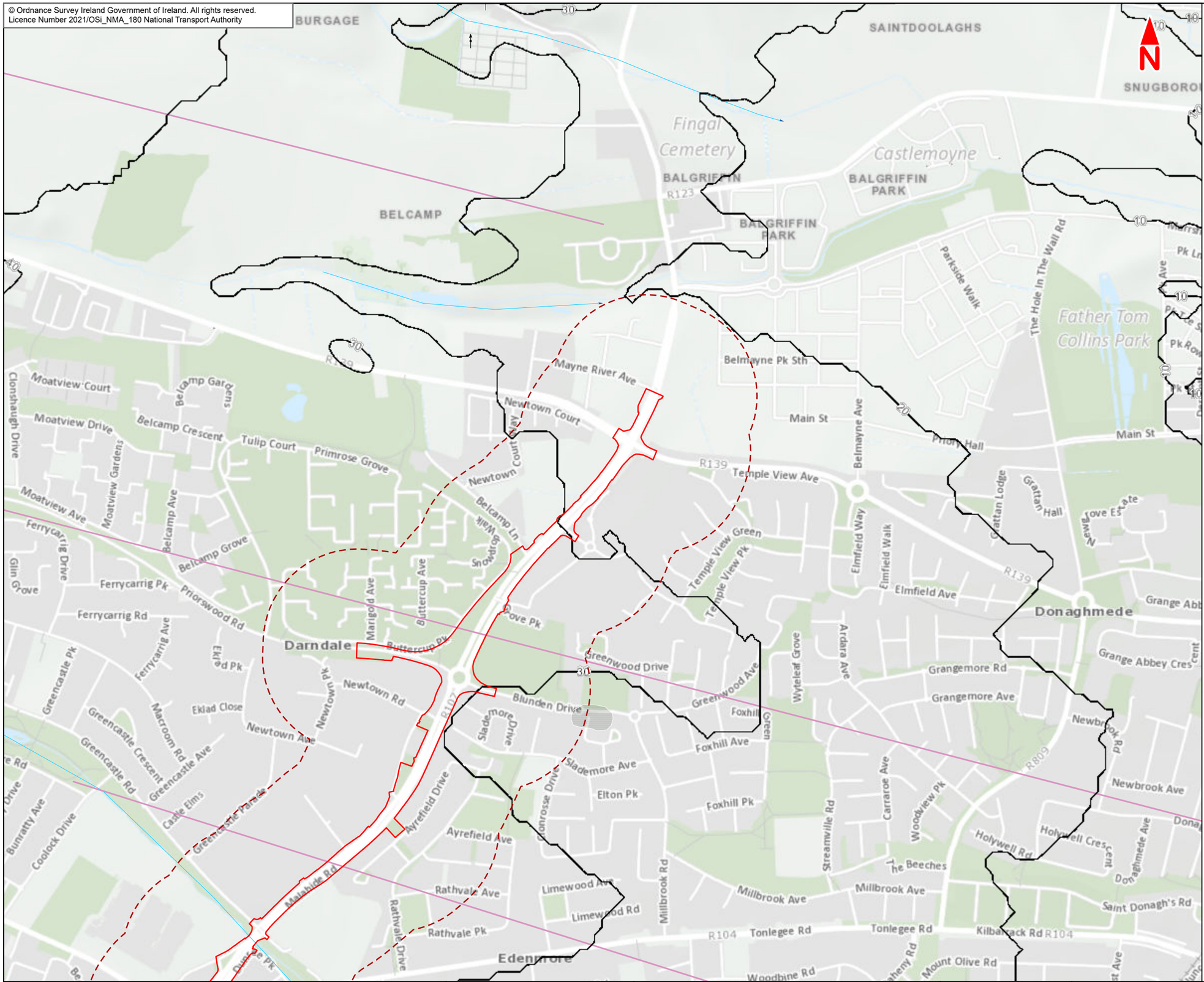

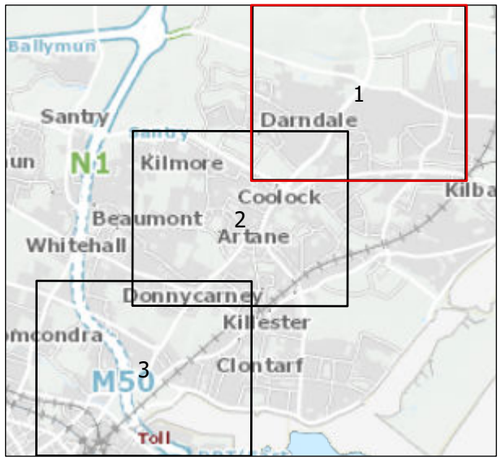

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- EPA Contours

Subglacial Lineation Striae

Landform

- Striae

Subglacial Lineation Landforms

LANDFORM

- Mega scale glacial lineation

Meltwater Landforms

LANDFORM

- Meltwater channel

Deglacial Landforms

Landform

- Hummocky Sand and Gravel

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0 0.1 0.2 0.3 0.4 0.5 km

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	Nov 21	LG	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
05/11/2021	1:10,000	LG	PW	DK

Project Code	Originator Code	QMS Code
BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.7
Topography and Geomorphology

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0101	1 of 3	A	M01

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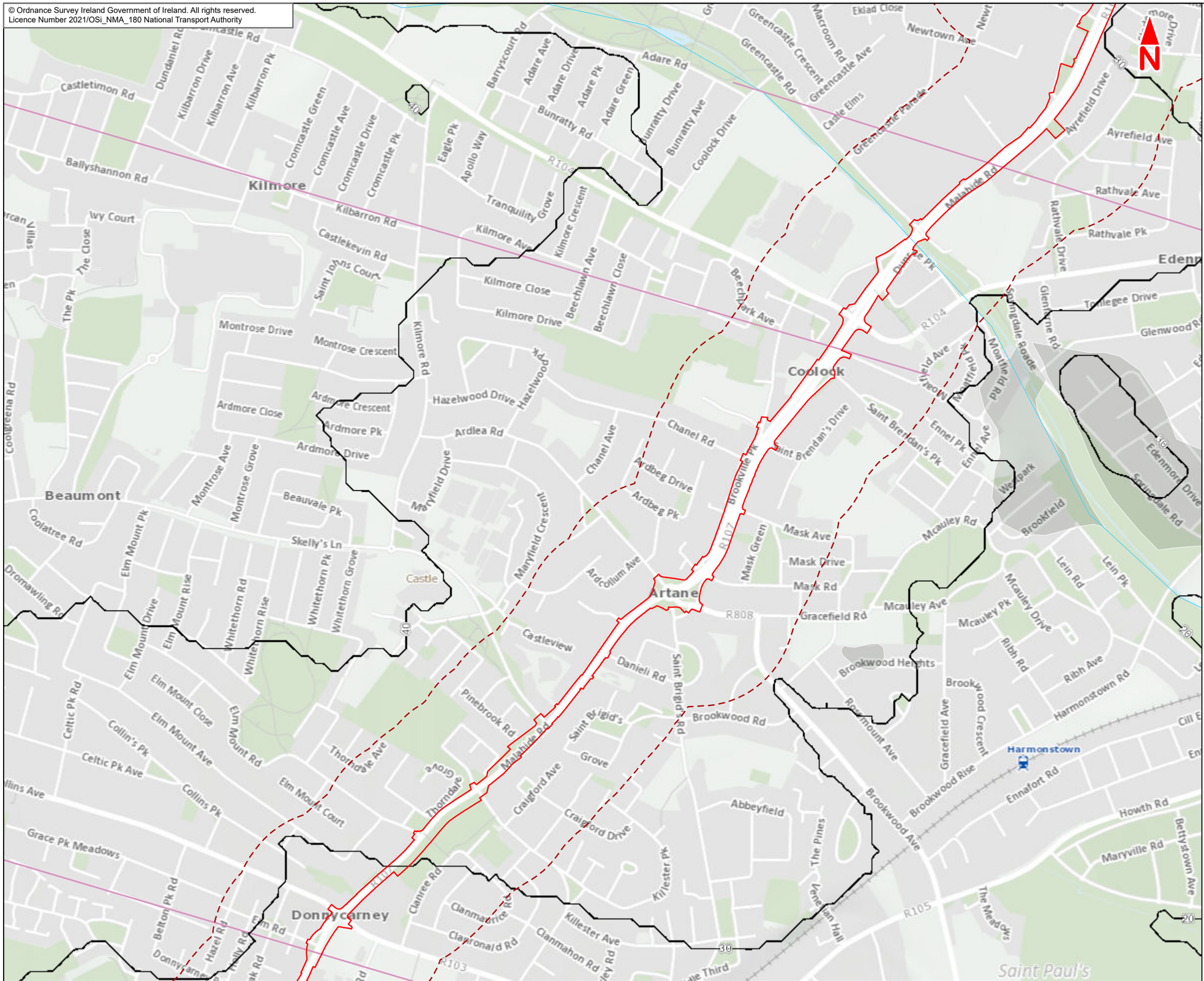

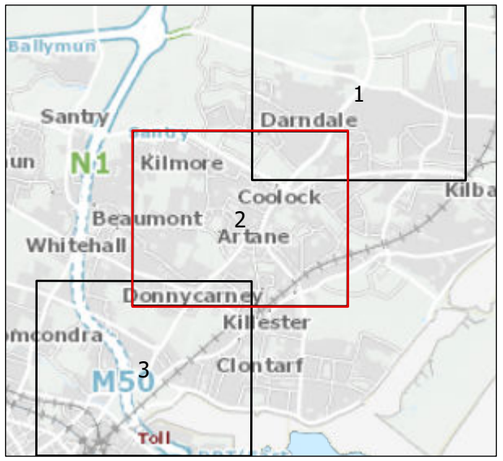

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- EPA Contours

Subglacial Lineation Landforms

LANDFORM

- Mega scale glacial lineation

Meltwater Landforms

LANDFORM

- Meltwater channel

Deglacial Landforms

Landform

- Hummocky Sand and Gravel

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0 0.1 0.2 0.3 0.4 0.5 km

BAR SCALE

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Programme Title
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CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.7
Topography and Geomorphology

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0102	2 of 3	A	M01

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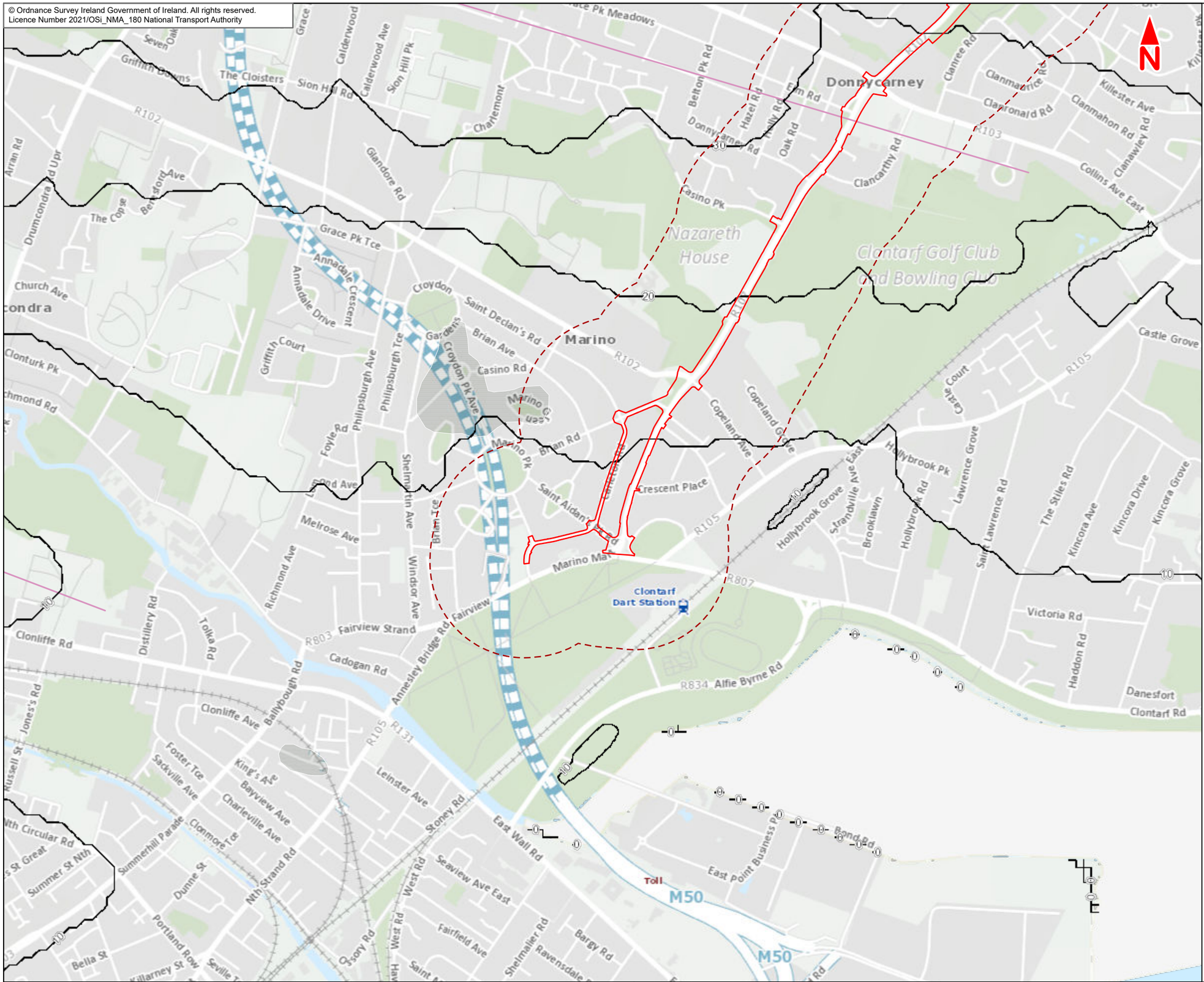

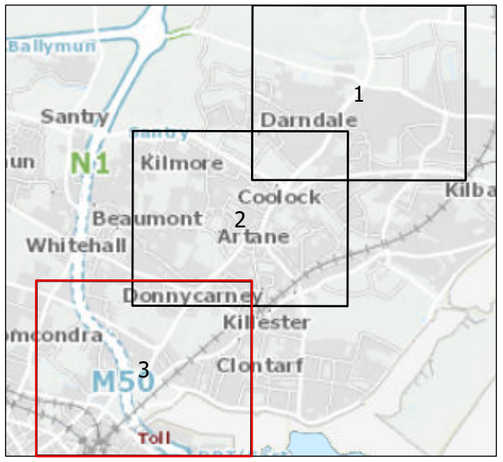

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- EPA Contours

Subglacial Lineation Striae

Landform

- Striae

Subglacial Lineation Landforms

LANDFORM

- Mega scale glacial lineation

Deglacial Landforms

Landform

- Hummocky Sand and Gravel

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0 0.1 0.2 0.3 0.4 0.5 km

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Drawing Title
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Figure 14.7
Topography and Geomorphology

Drawing File Name	Sheet Number	Status	Rev
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14.8
Soil Deposits

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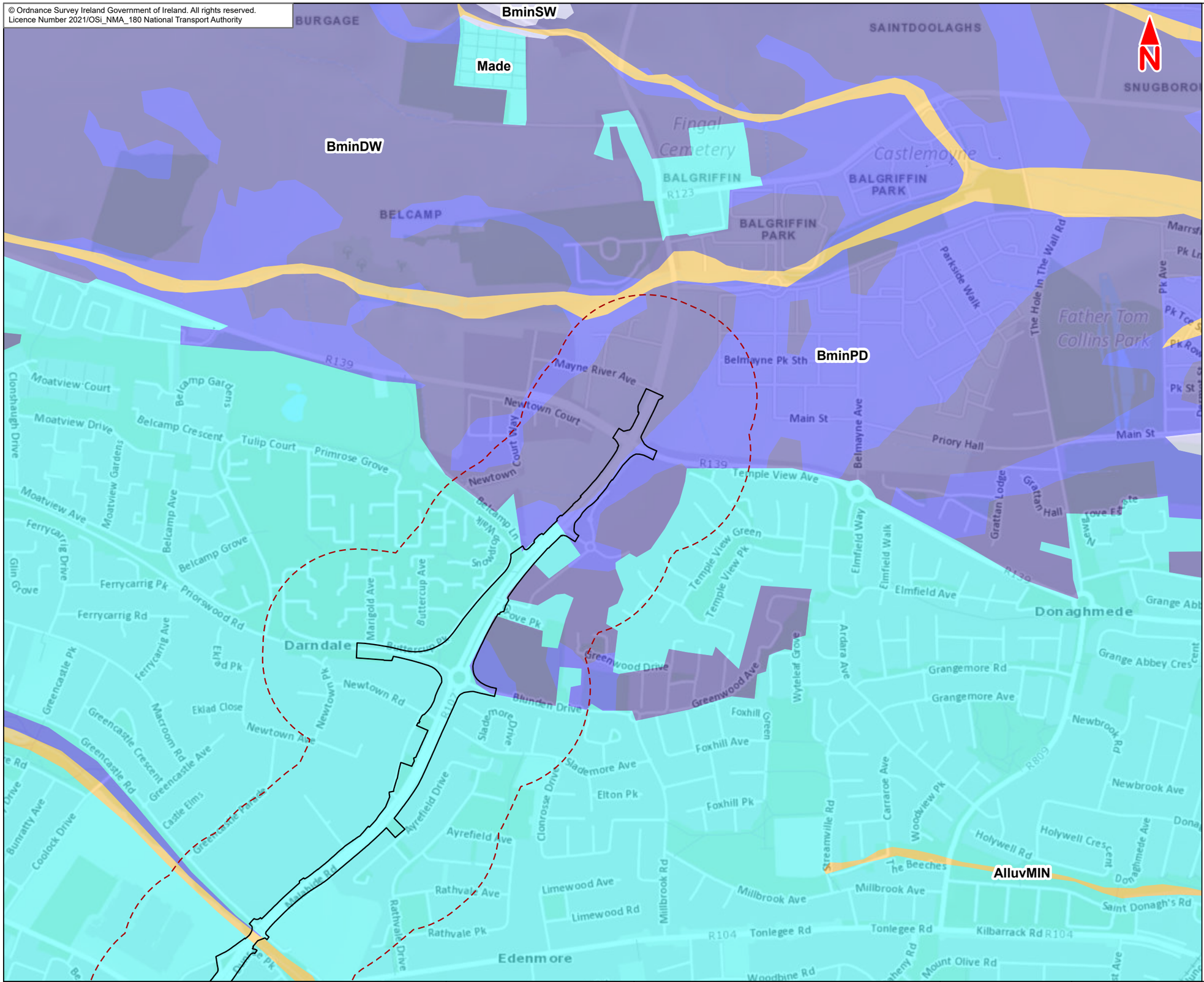

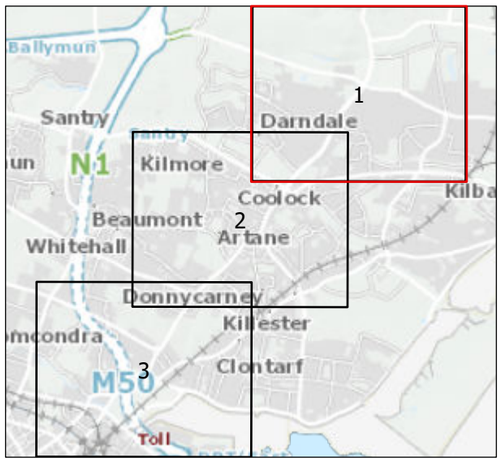

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

Teagasc Soils

- AlluvMIN - Mineral alluvium
- BminDW - Grey Brown Podzolics / Brown Earths Basic
- BminPD - Surface water Gleys / Ground water Gleys Basic
- BminSW - Renzinas / Lithosols
- Made

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.8
Soil Deposits

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0201	1 of 3	A	M01

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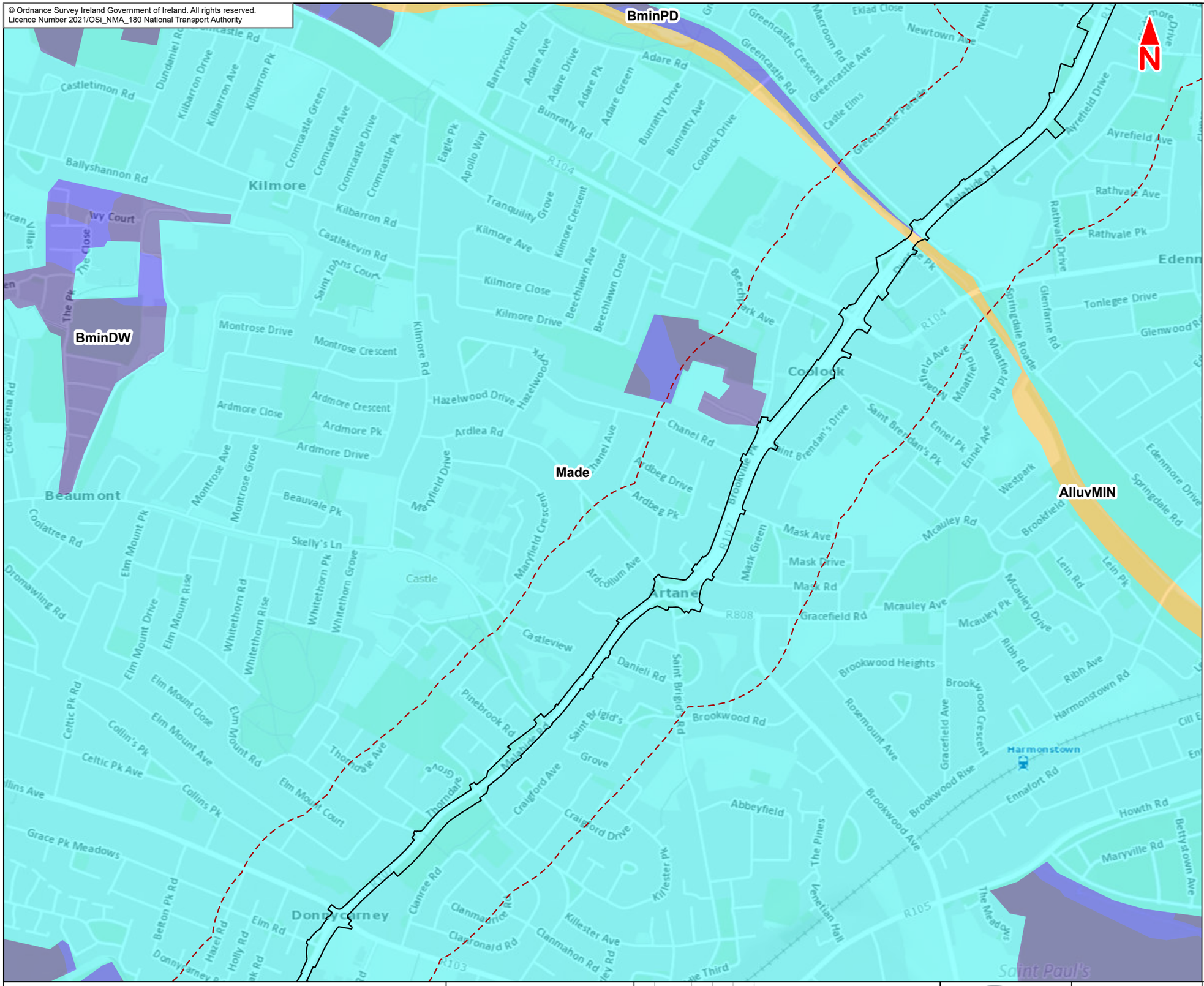

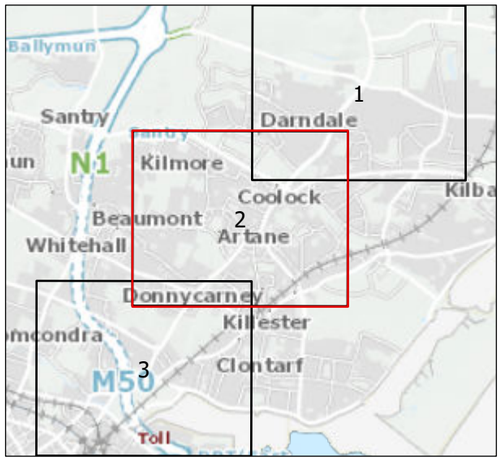

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

Teagasc Soils

- AlluvMIN - Mineral alluvium
- BminDW - Grey Brown Podzolics / Brown Earths Basic
- BminPD - Surface water Gleys / Ground water Gleys Basic
- Made

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.8
Soil Deposits

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0202	2 of 3	A	M01

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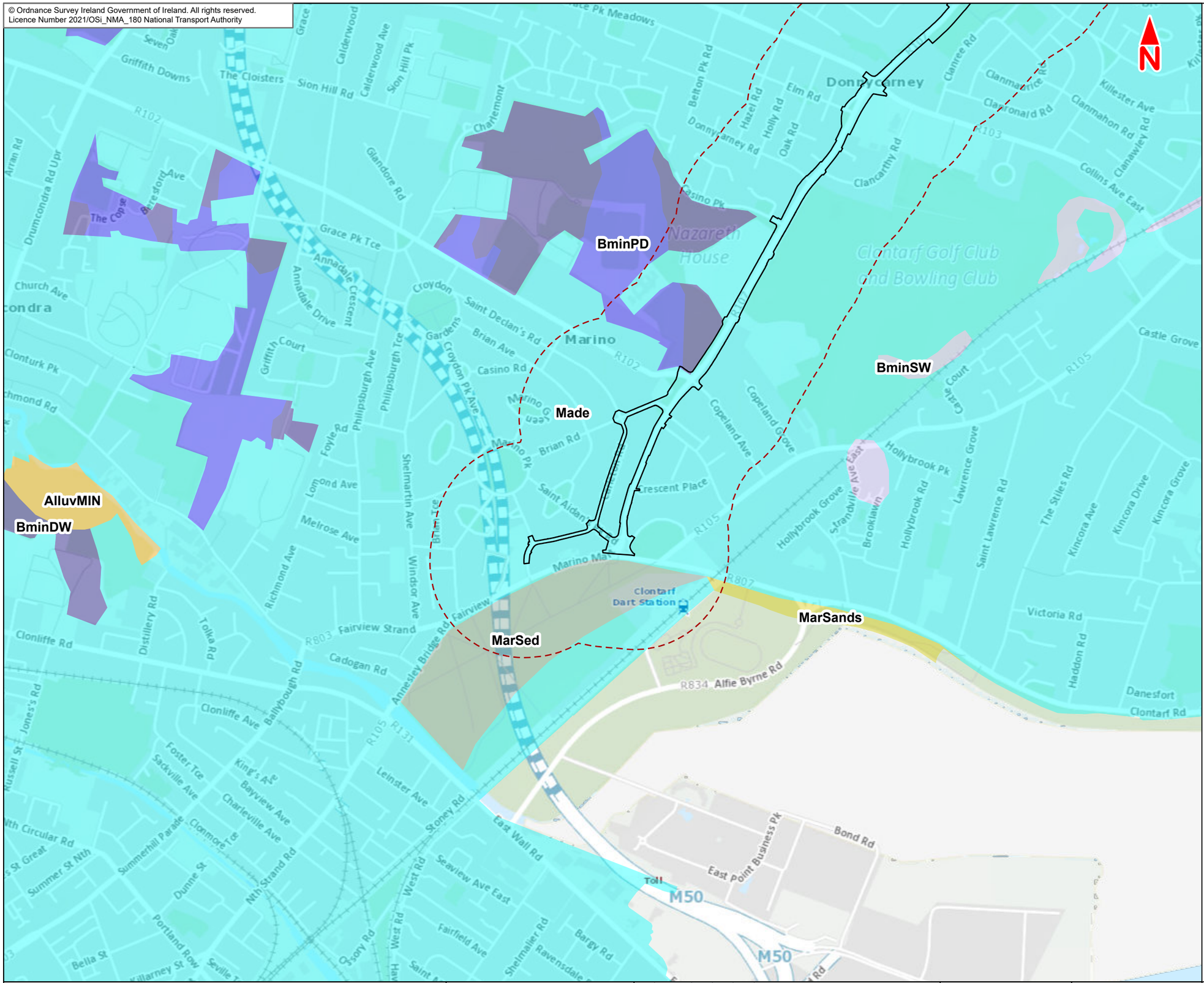

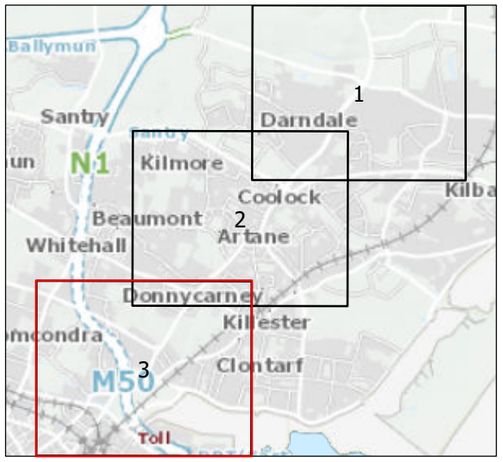

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

Teagasc Soils

- AlluvMIN - Mineral alluvium
- BminDW - Grey Brown Podzolics / Brown Earths Basic
- BminPD - Surface water Gleys / Ground water Gleys Basic
- BminSW - Renzinas / Lithosols
- Made
- MarSands
- MarSed

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.8
Soil Deposits

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0203	3 of 3	A	M01

14.9
Subsoil Deposits

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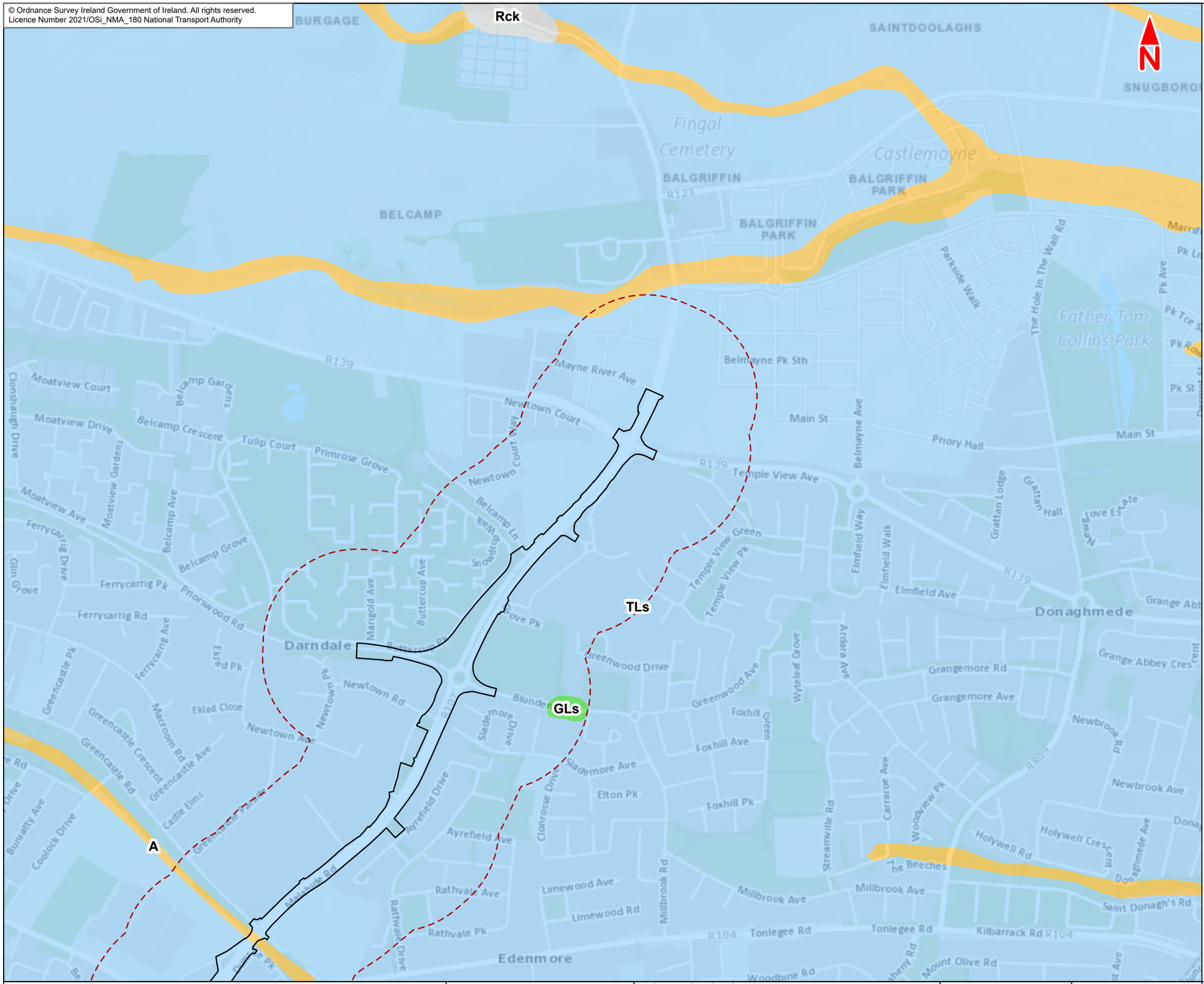

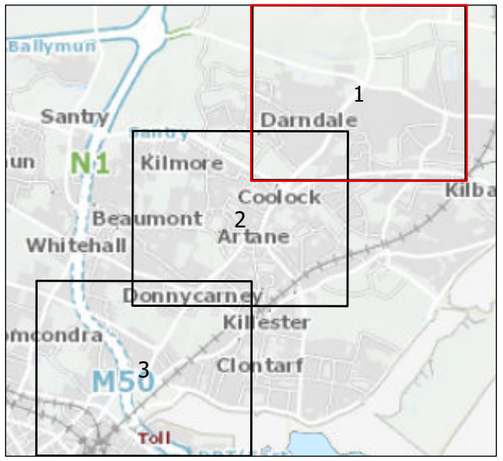

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

Quaternary Sediments - 1:50,000

- A, Alluvium
- GLs, Gravels derived from Limestones
- Rck, Bedrock outcrop or subcrop
- TLs, Till derived from limestones

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.9
Subsoil Deposits

Drawing File Name	Sheet Number	Status	Rev
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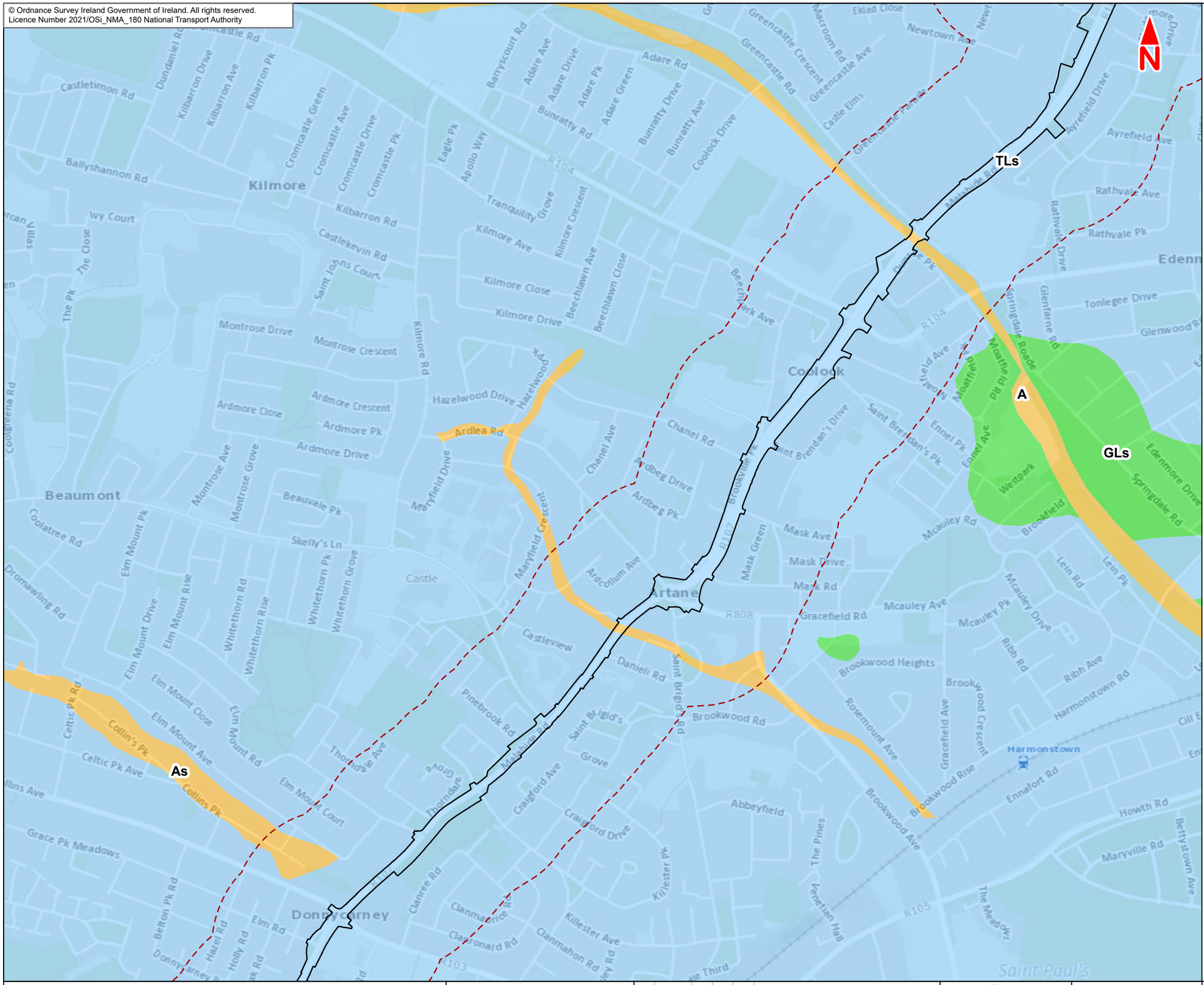

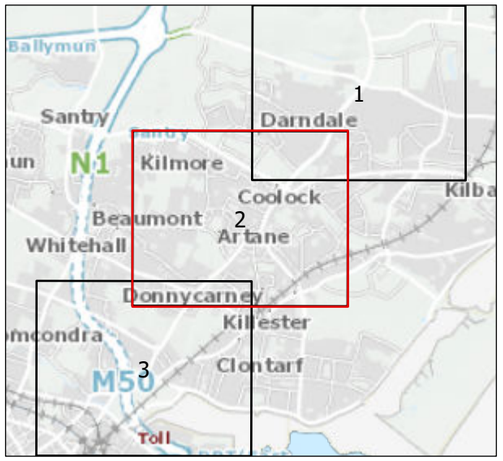

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

Quaternary Sediments - 1:50,000

- A, Alluvium
- As, Alluvium (sandy)
- GLs, Gravels derived from Limestones
- TLs, Till derived from limestones

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0 0.1 0.2 0.3 0.4 0.5 km

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	Nov 21	LG	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
05/11/2021	1:10,000	LG	PW	DK

Project Code	Originator Code	QMS Code
BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.9
Subsoil Deposits

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0302	2 of 3	A	M01

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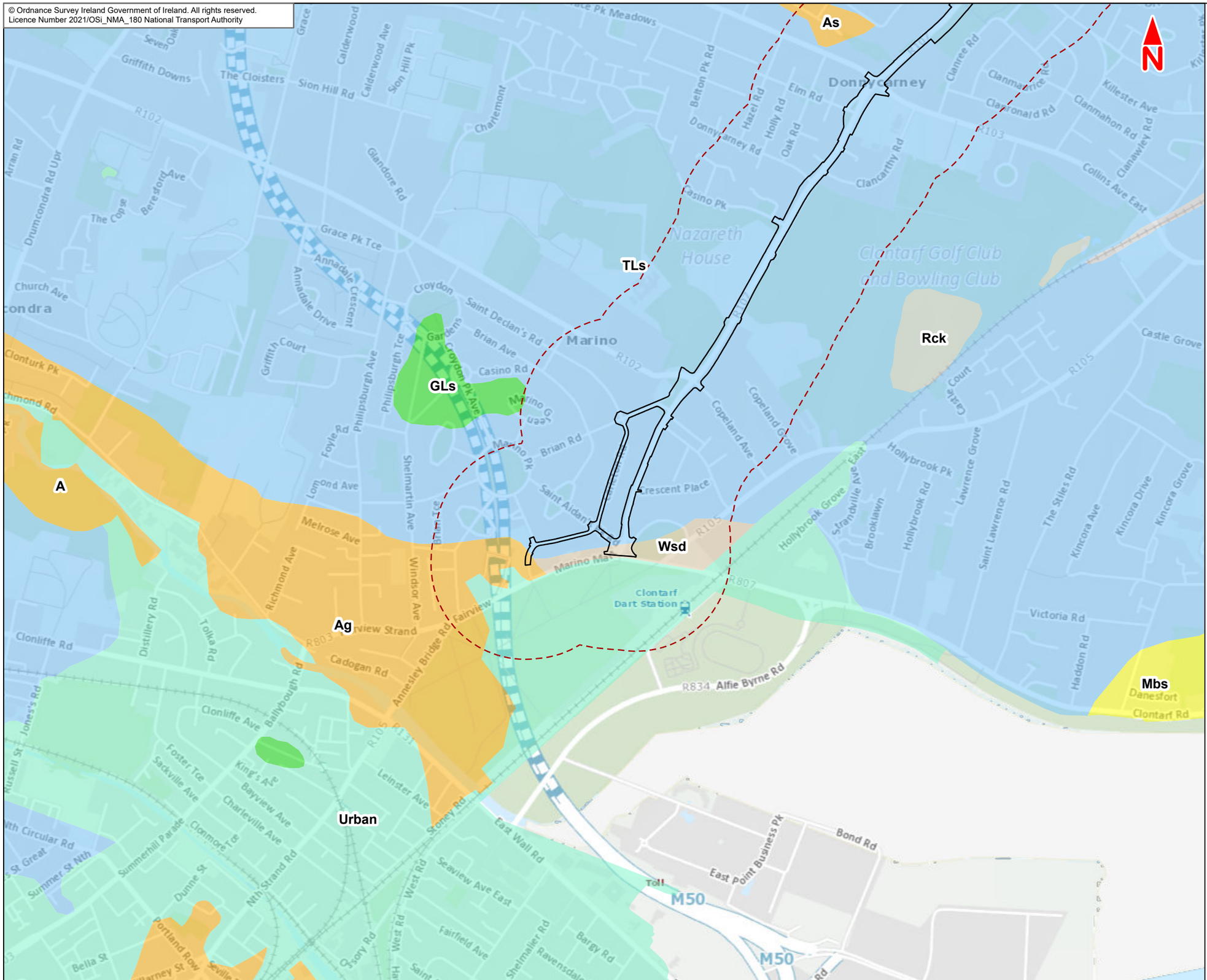
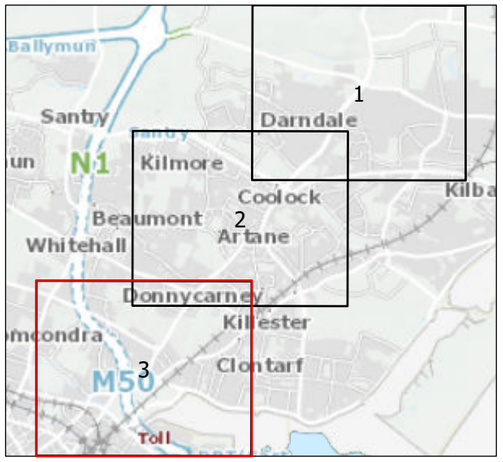
Licence Number 2021/OSi_NMA_180 National Transport Authority





Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

Quaternary Sediments - 1:50,000

- A, Alluvium
- Ag, Alluvium (gravelly)
- As, Alluvium (sandy)
- GLs, Gravels derived from Limestones
- Rck, Bedrock outcrop or subcrop
- Mbs, Marine beach sands
- TLs, Till derived from limestones
- Wsd, Windblown sands and dunes
- Urban

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.9
Subsoil Deposits

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0303	3 of 3	A	M01

14.10
Bedrock Geology

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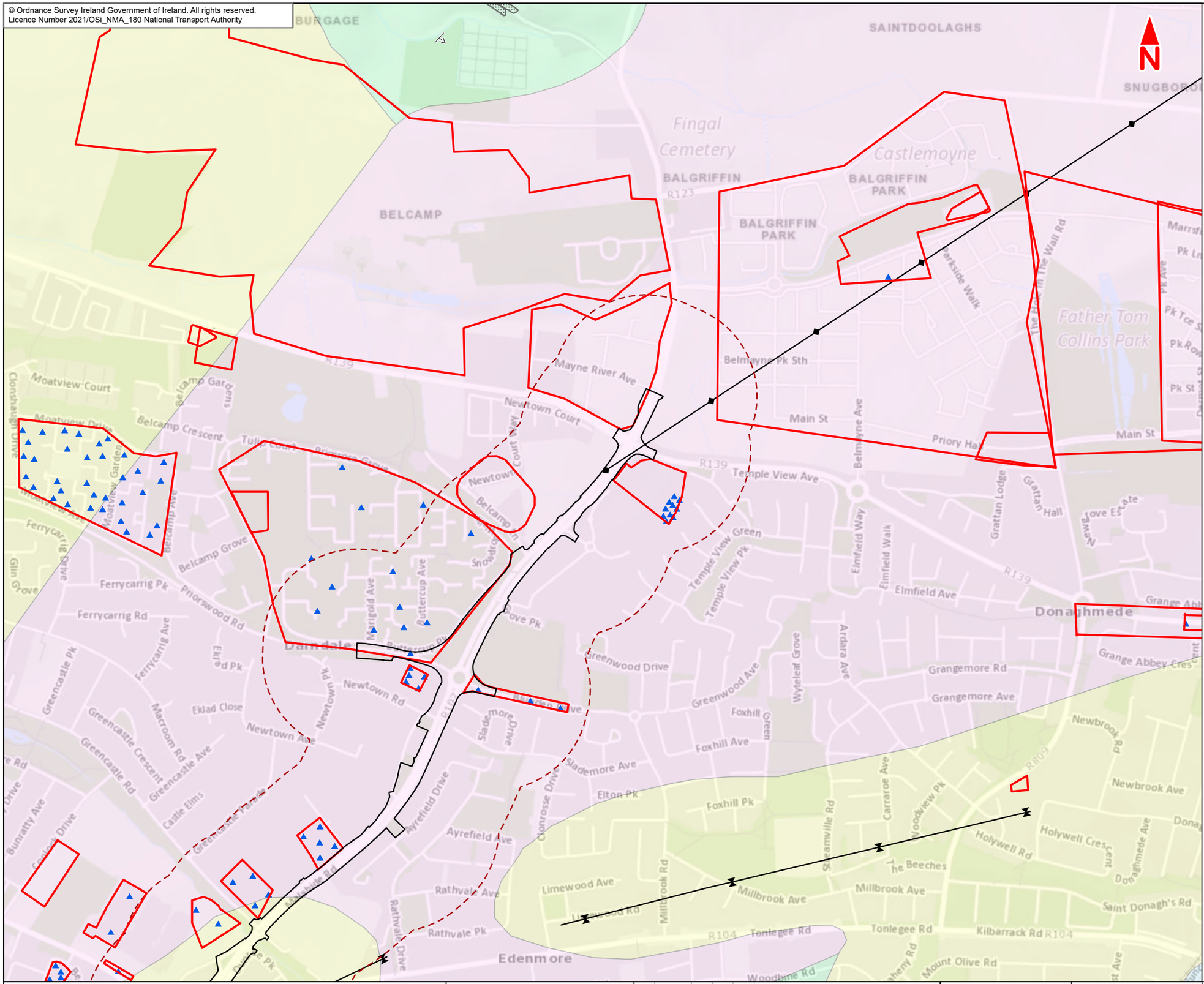

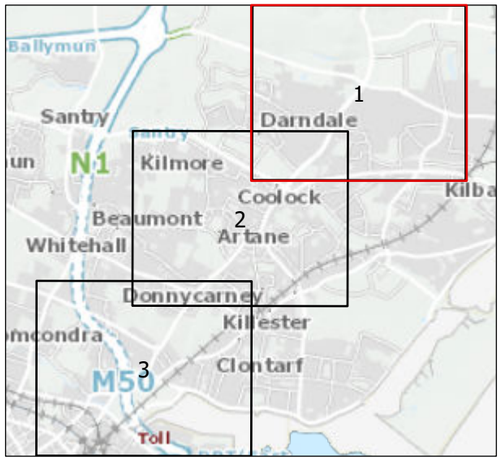

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- GSI Geotechnical Sites
- GSI Geotechnical Boreholes

GSI Bedrock Structural Symbols - 1:100,000

- Strike and dip of bedding, right way up
- Anticlinal Axis
- Synclinal Axis

GSI Bedrock Outcrop - 1:100,000

- GSI Bedrock Outcrop - 1:100,000

GSI Bedrock Geology - 1:100,000

- Lucan Formation
- Tober Colleen Formation
- Waulsortian Limestones
- Malahide Formation

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0 0.1 0.2 0.3 0.4 0.5 km

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BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.10
Bedrock Geology

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0401	1 of 3	A	M01

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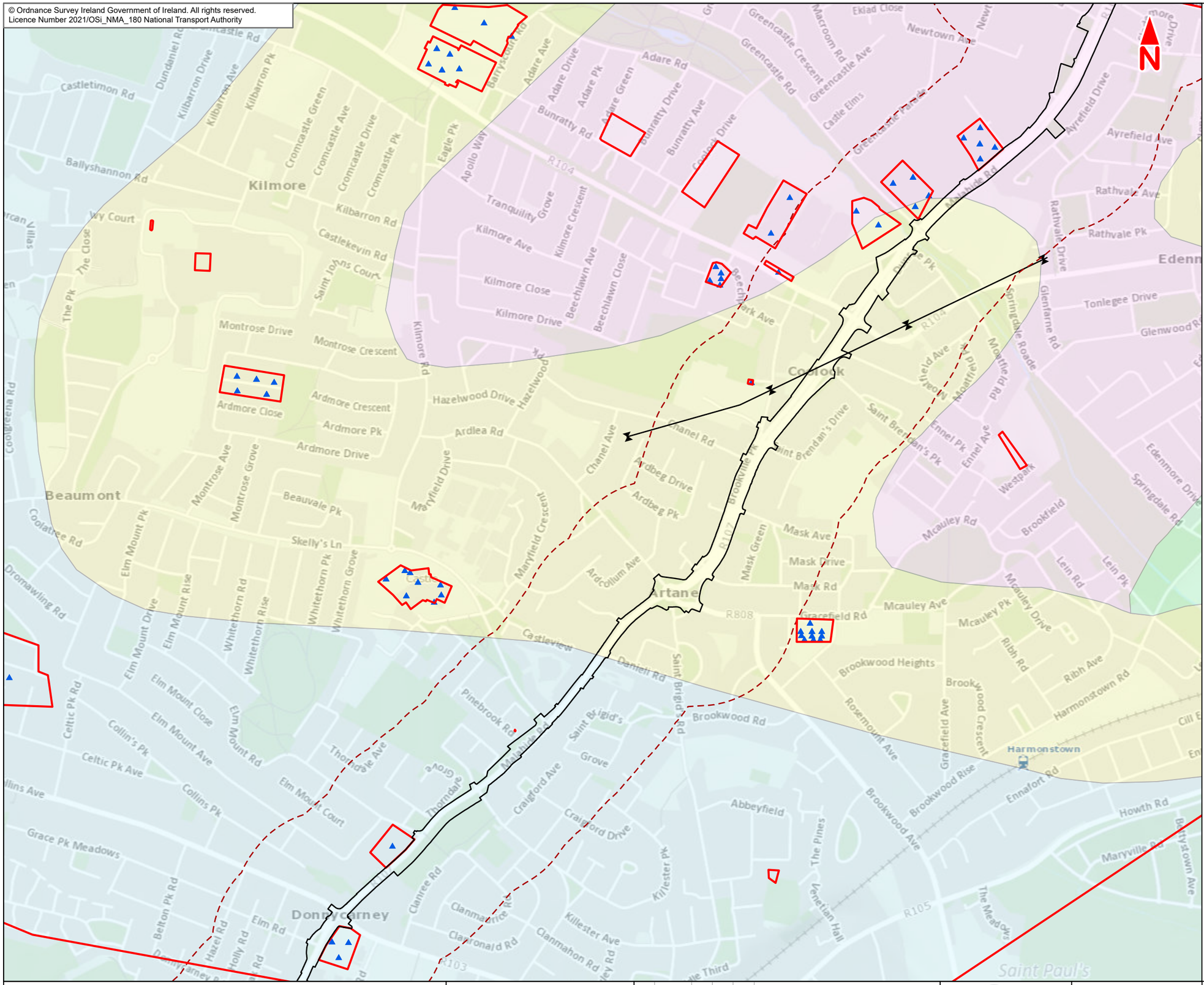

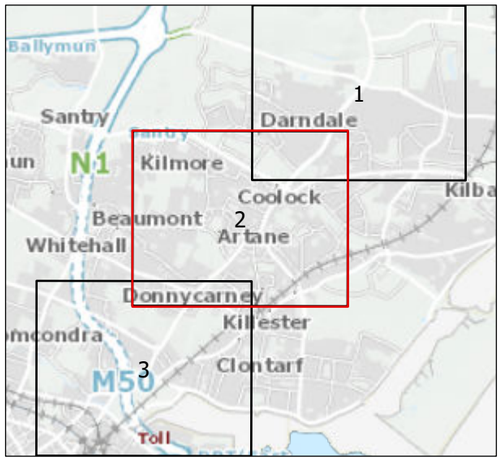

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- GSI Geotechnical Sites
- GSI Geotechnical Boreholes
- Synclinal Axis

GSI Bedrock Geology - 1:100,000

- Lucan Formation
- Tober Colleen Formation
- Waulsortian Limestones
- Malahide Formation

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0 0.1 0.2 0.3 0.4 0.5 km

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BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.10
Bedrock Geology

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0402	2 of 3	A	M01

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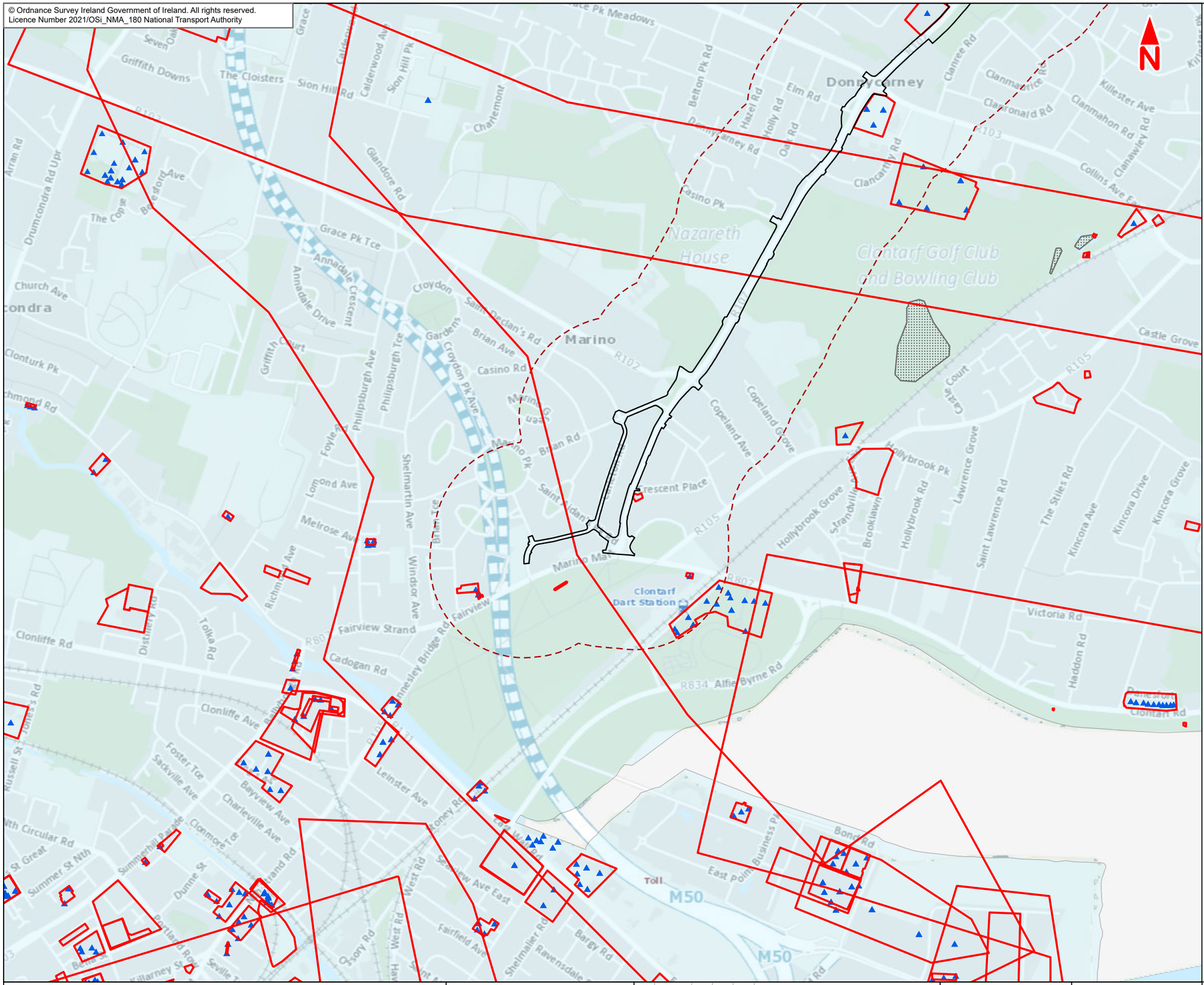

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- GSI Geotechnical Sites
- GSI Geotechnical Boreholes

GSI Bedrock Outcrop - 1:100,000

- GSI Bedrock Outcrop - 1:100,000

GSI Bedrock Geology - 1:100,000

- Lucan Formation

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.10
Bedrock Geology

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0403	3 of 3	A	M01

14.11
Granular Aggregate Potential

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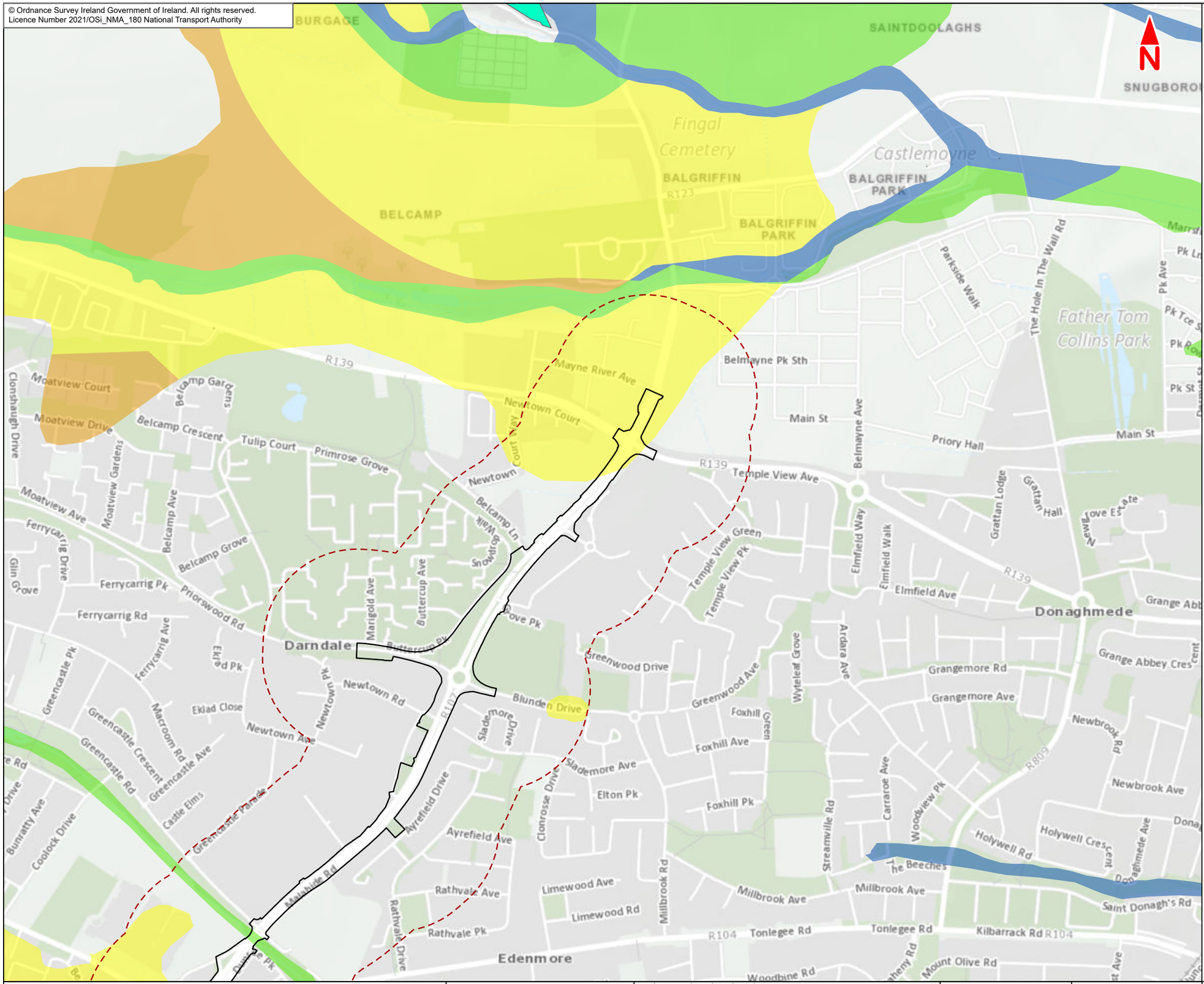

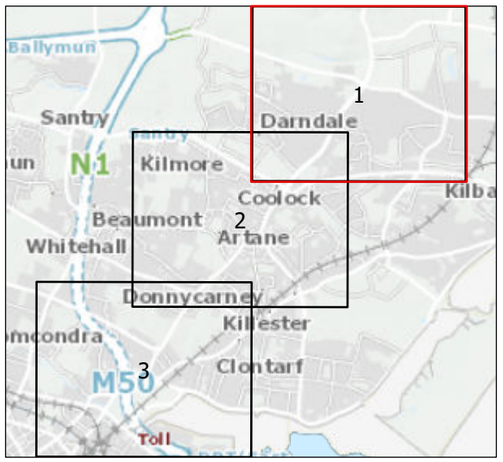

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- Pits and Quarries Areas

GSI Aggregate Potential Mapping - Granular Aggregate Potential

- High potential
- Moderate potential
- Low potential
- Very low potential

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.11
Granular Aggregate Potential

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0501	1 of 3	A	M01

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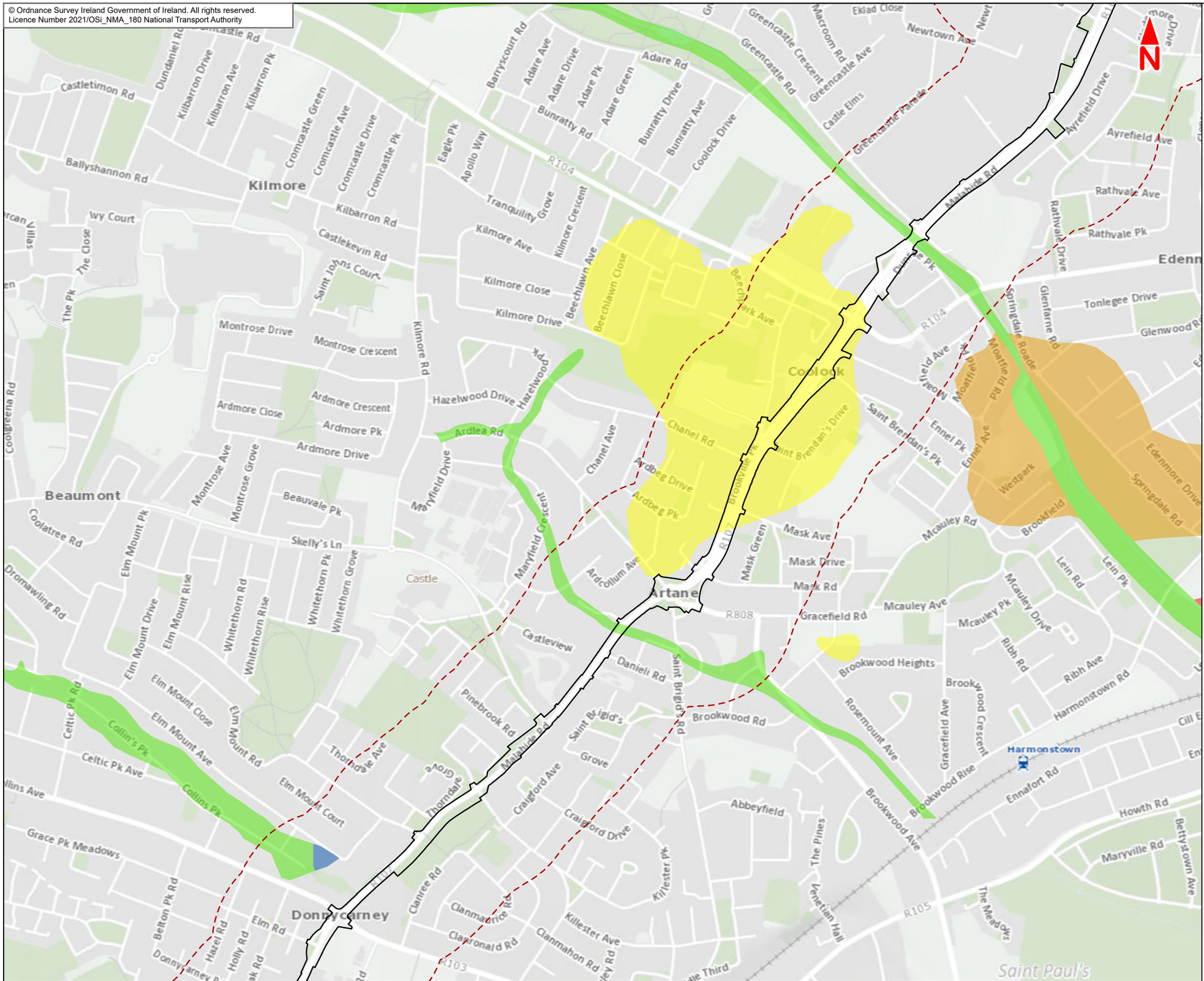

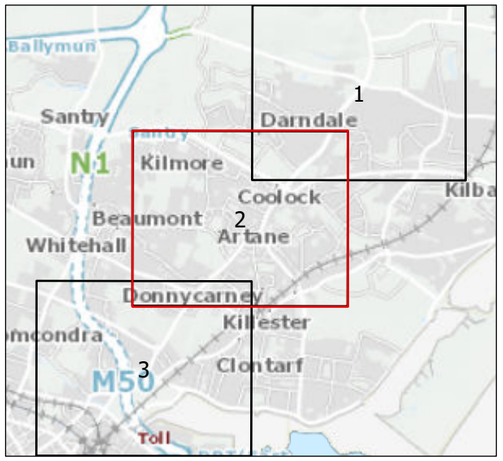

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI Aggregate Potential Mapping - Granular Aggregate Potential

- Very high potential
- High potential
- Moderate potential
- Low potential
- Very low potential

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0 0.1 0.2 0.3 0.4 0.5 km

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Rev	Date	Drn	Chk'd	App'd	Description
M01	Nov 21	LG	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
05/11/2021	1:10,000	LG	PW	DK

Project Code	Originator Code	QMS Code
BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.11
Granular Aggregate Potential

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0502	2 of 3	A	M01

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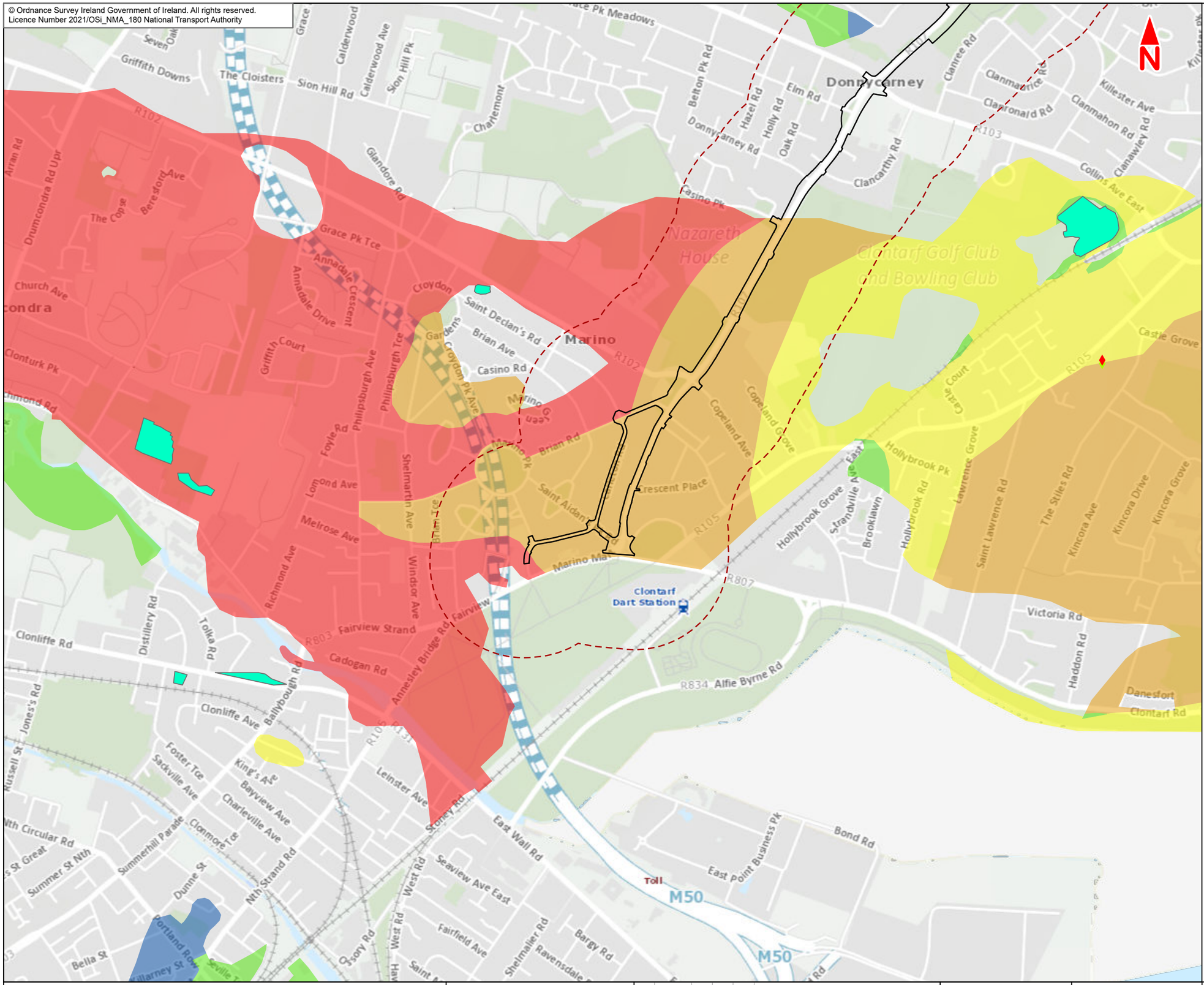

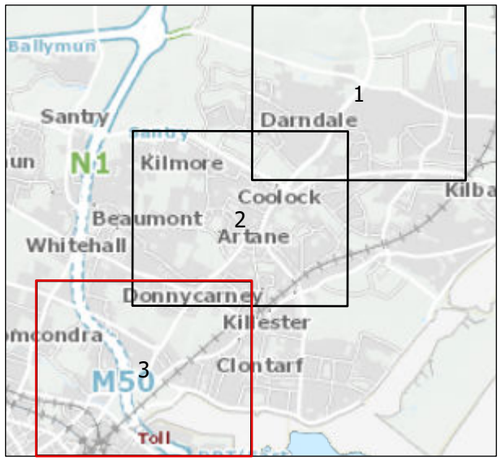

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- Pits and Quarries Areas

Mineral Locations

- Metallic
- Non-metallic

GSI Aggregate Potential Mapping - Granular Aggregate Potential

- Very high potential
- High potential
- Moderate potential
- Low potential
- Very low potential

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0 0.1 0.2 0.3 0.4 0.5 km

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Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.11
Granular Aggregate Potential

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0503	3 of 3	A	M01

14.12
Crushed Rock Aggregate Potential

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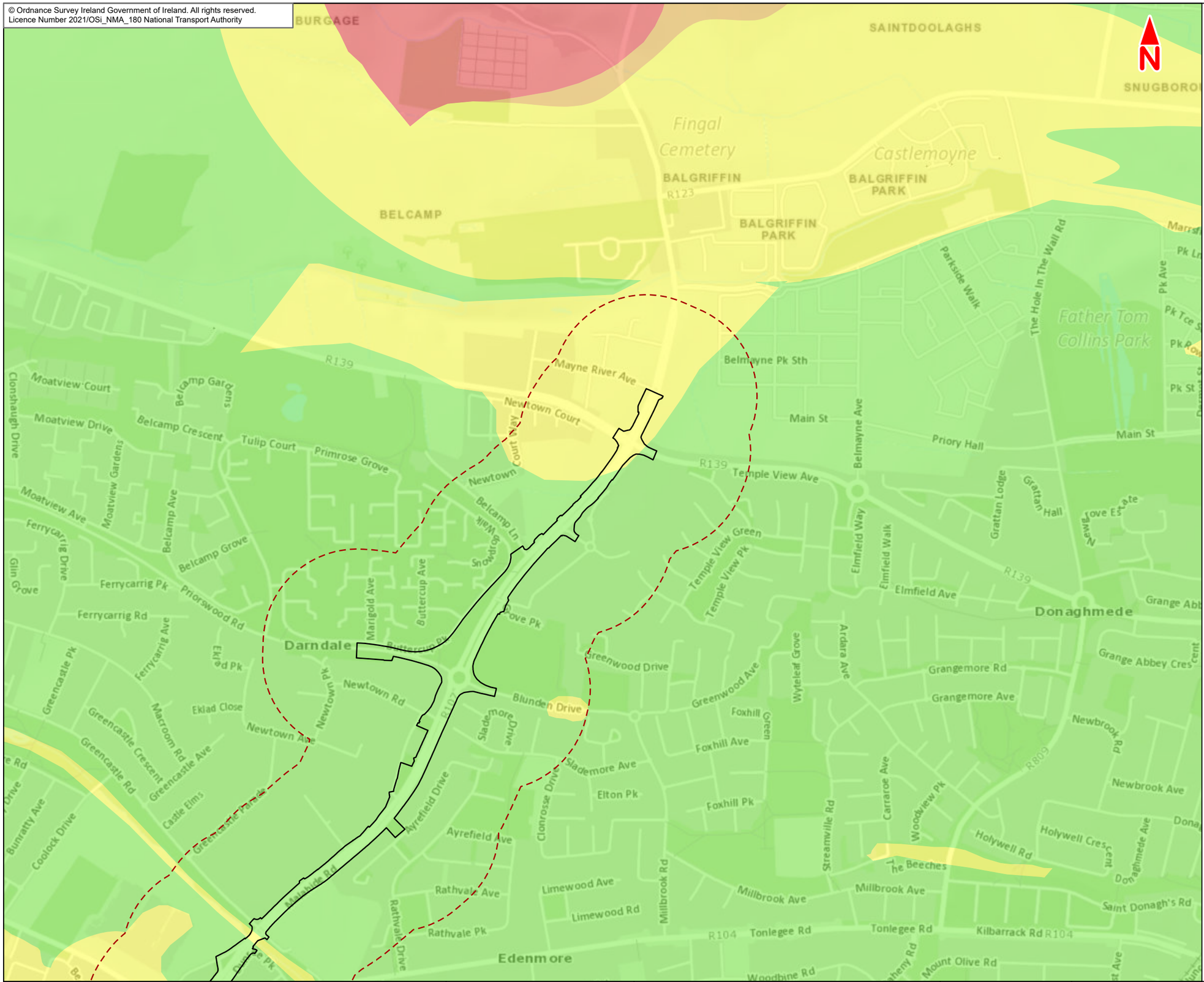

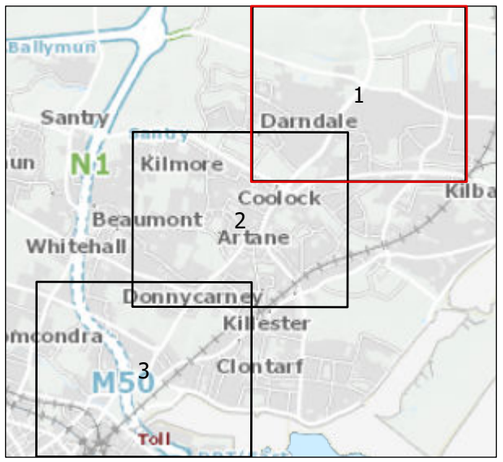

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential

- Very high potential
- High potential
- Moderate potential
- Low potential

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.12
Crushed Rock Aggregate Potential

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0601	1 of 3	A	M01

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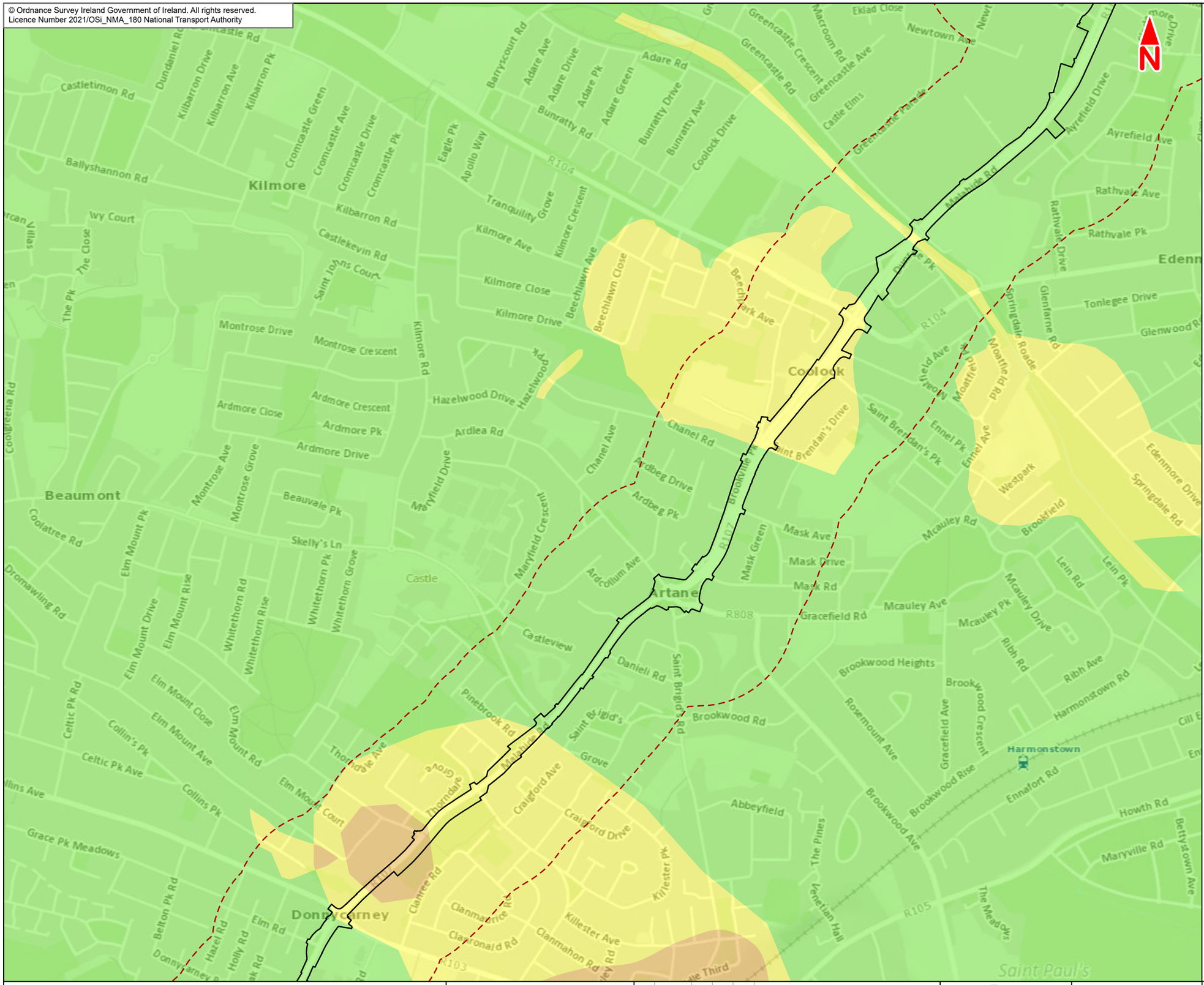

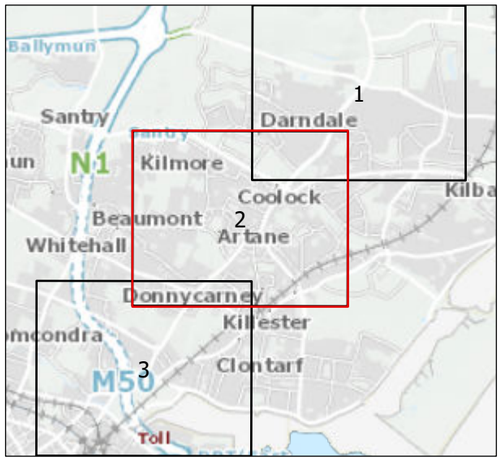

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential

- High potential
- Moderate potential
- Low potential

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.12
Crushed Rock Aggregate Potential

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0602	2 of 3	A	M01

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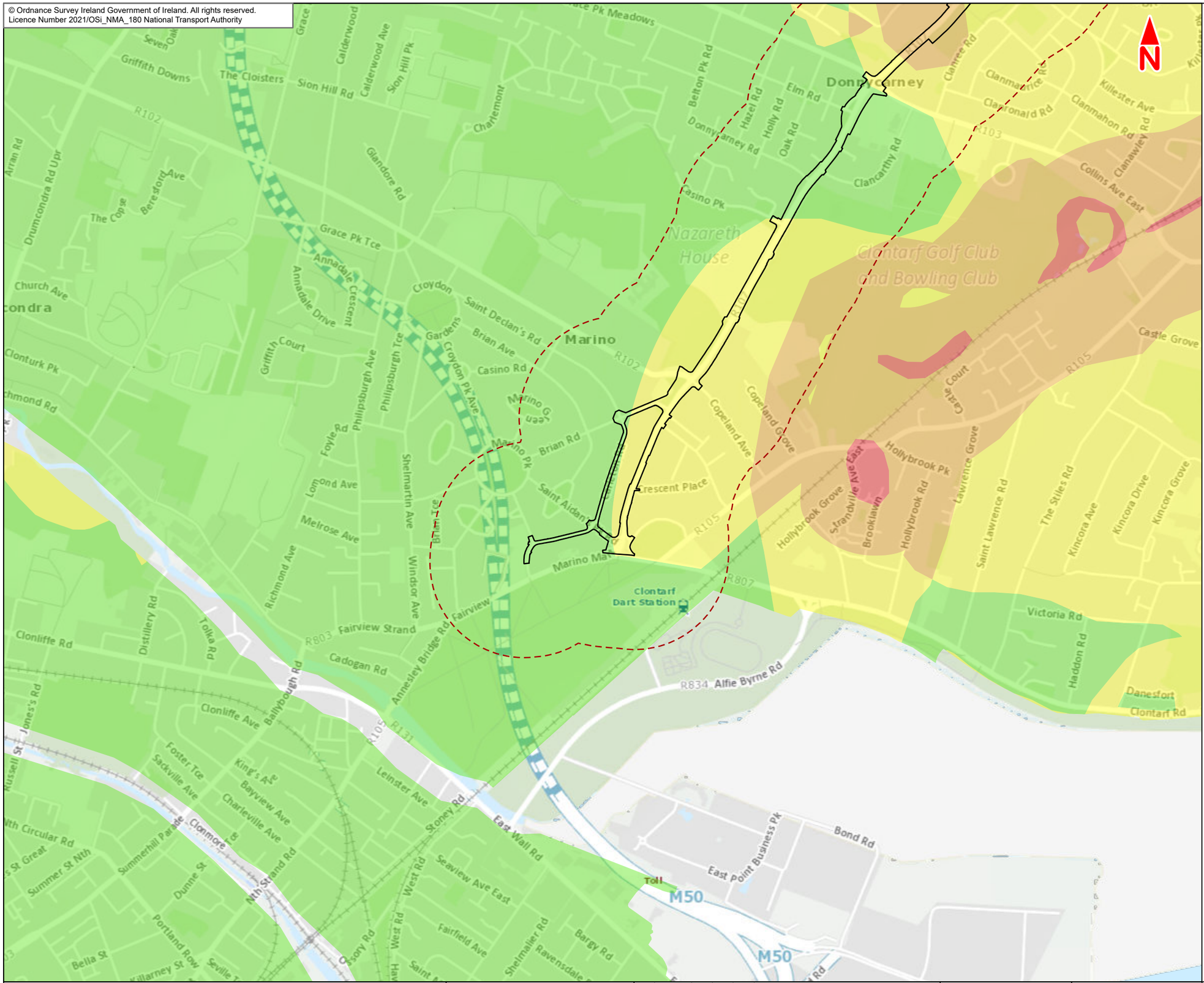

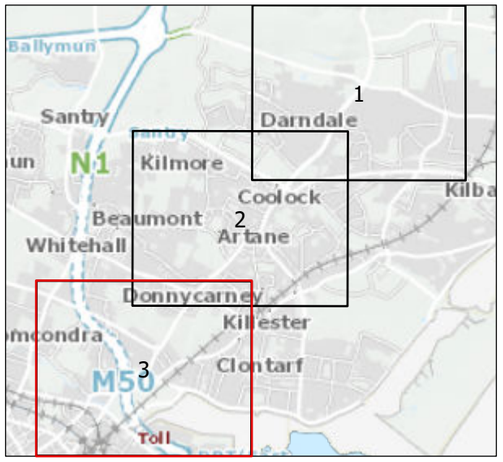

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI Aggregate Potential Mapping - Crushed Rock Aggregate Potential

- Very high potential
- High potential
- Moderate potential
- Low potential

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0 0.1 0.2 0.3 0.4 0.5 km

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BUSCONNECTS DUBLIN
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Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.12
Crushed Rock Aggregate Potential

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0603	3 of 3	A	M01

14.13
Aquifers

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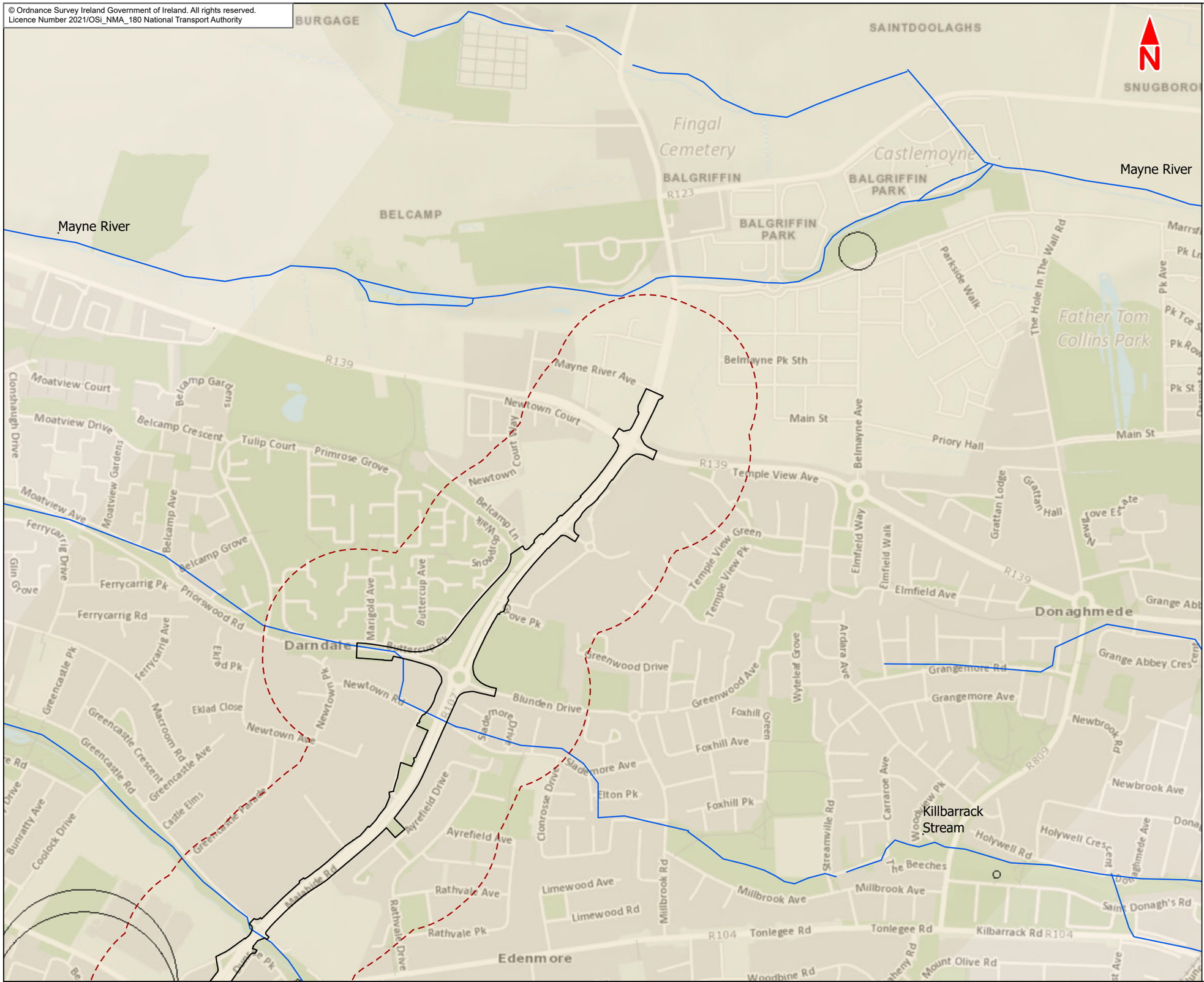

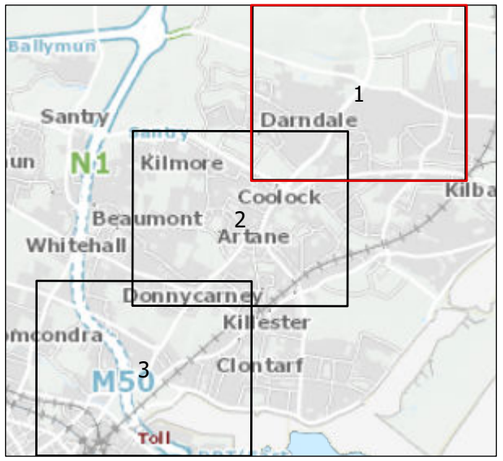

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- Rivers Of Dublin
- Groundwater Wells and Springs

GSI Bedrock Aquifer

- Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI)
- Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones (PI)

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.13
Aquifers

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0701	1 of 3	A	M01

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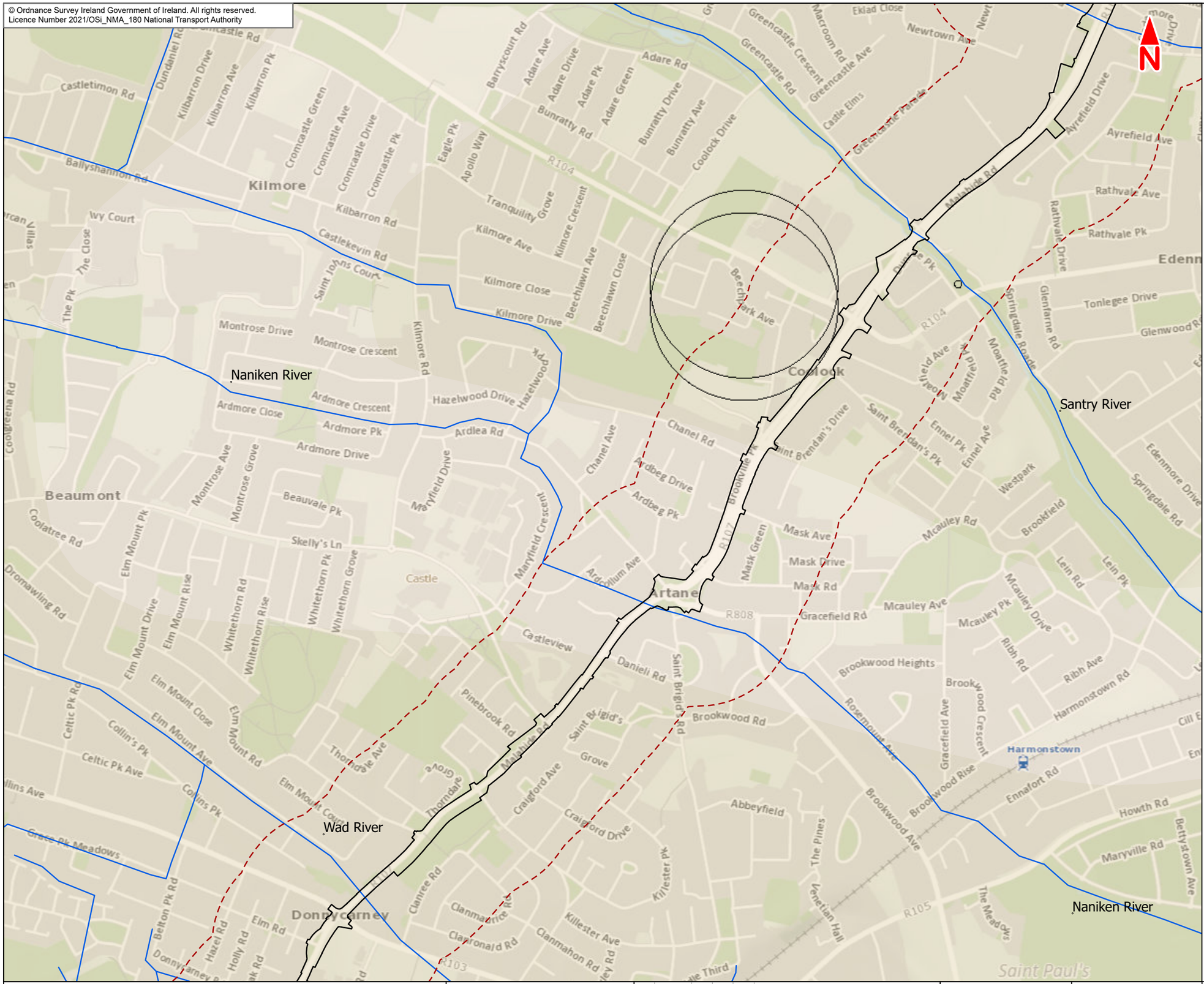

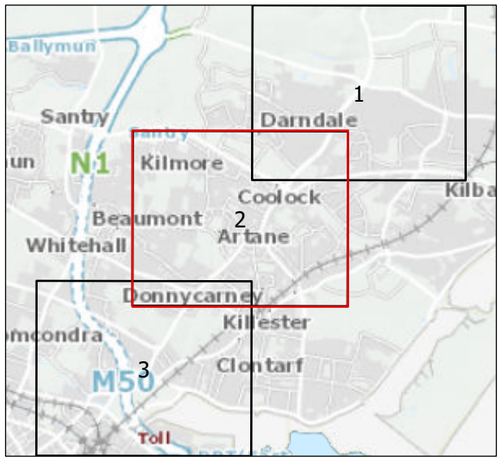

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- Rivers Of Dublin
- Groundwater Wells and Springs

GSI Bedrock Aquifer

- Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI)
- Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones (PI)

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Project Code: BCIDE	Originator Code: JAC	QMS Code		

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.13
Aquifers

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0702	2 of 3	A	M01

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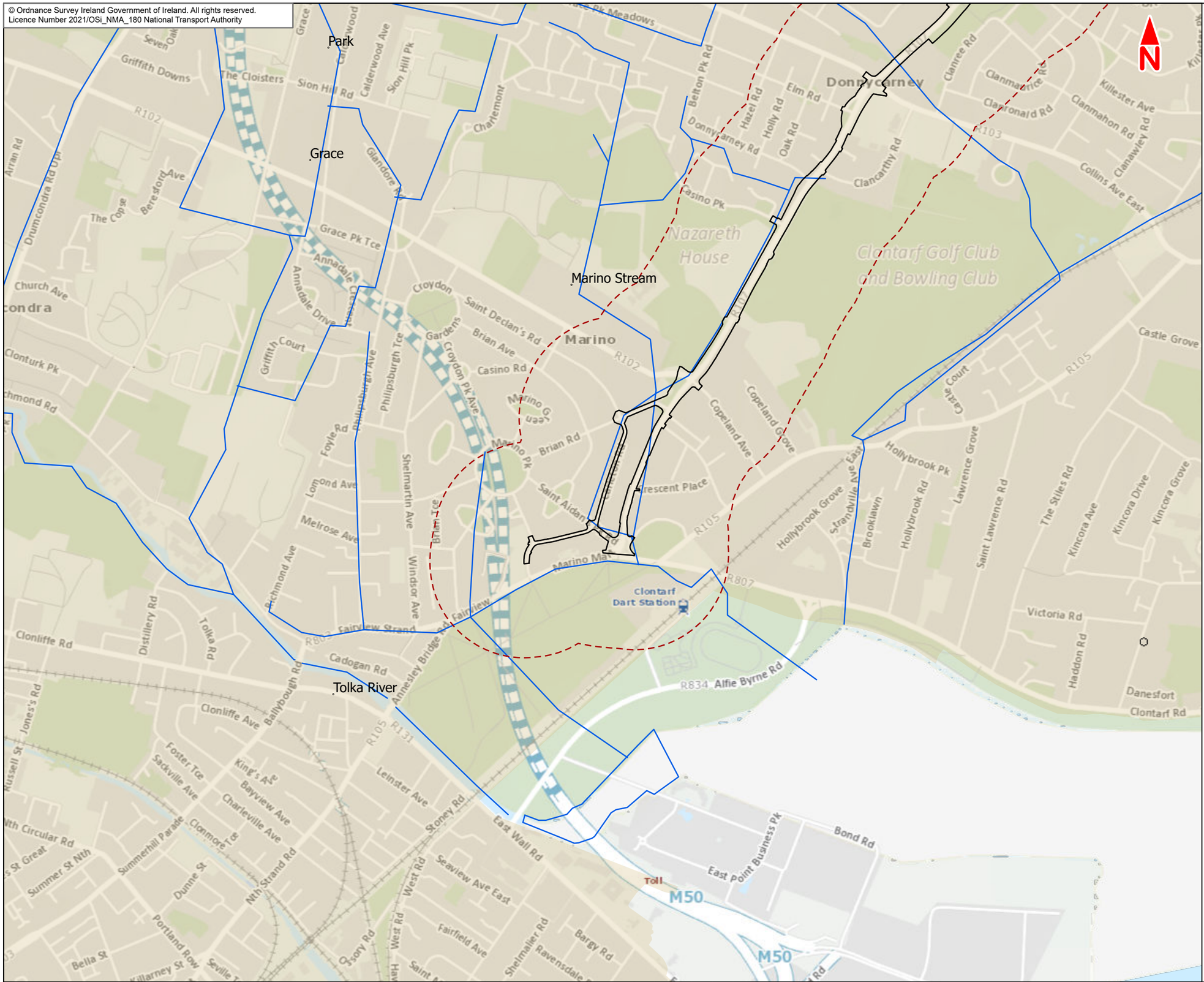

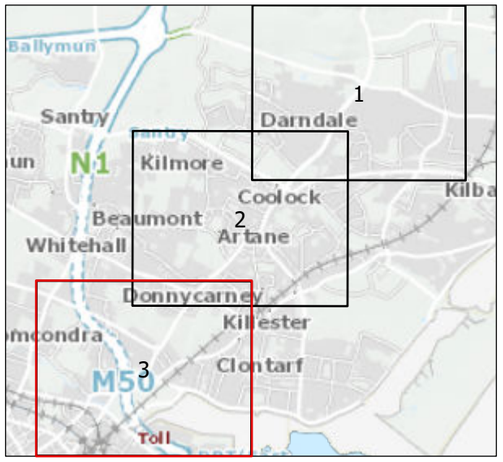

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area
- Rivers Of Dublin
- Groundwater Wells and Springs

GSI Bedrock Aquifer

- Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones (LI)

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M01	Nov 21	LG	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
05/11/2021	1:10,000	LG	PW	DK

Project Code	Originator Code	QMS Code
BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.13
Aquifers

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0703	3 of 3	A	M01

14.14
Groundwater Vulnerability

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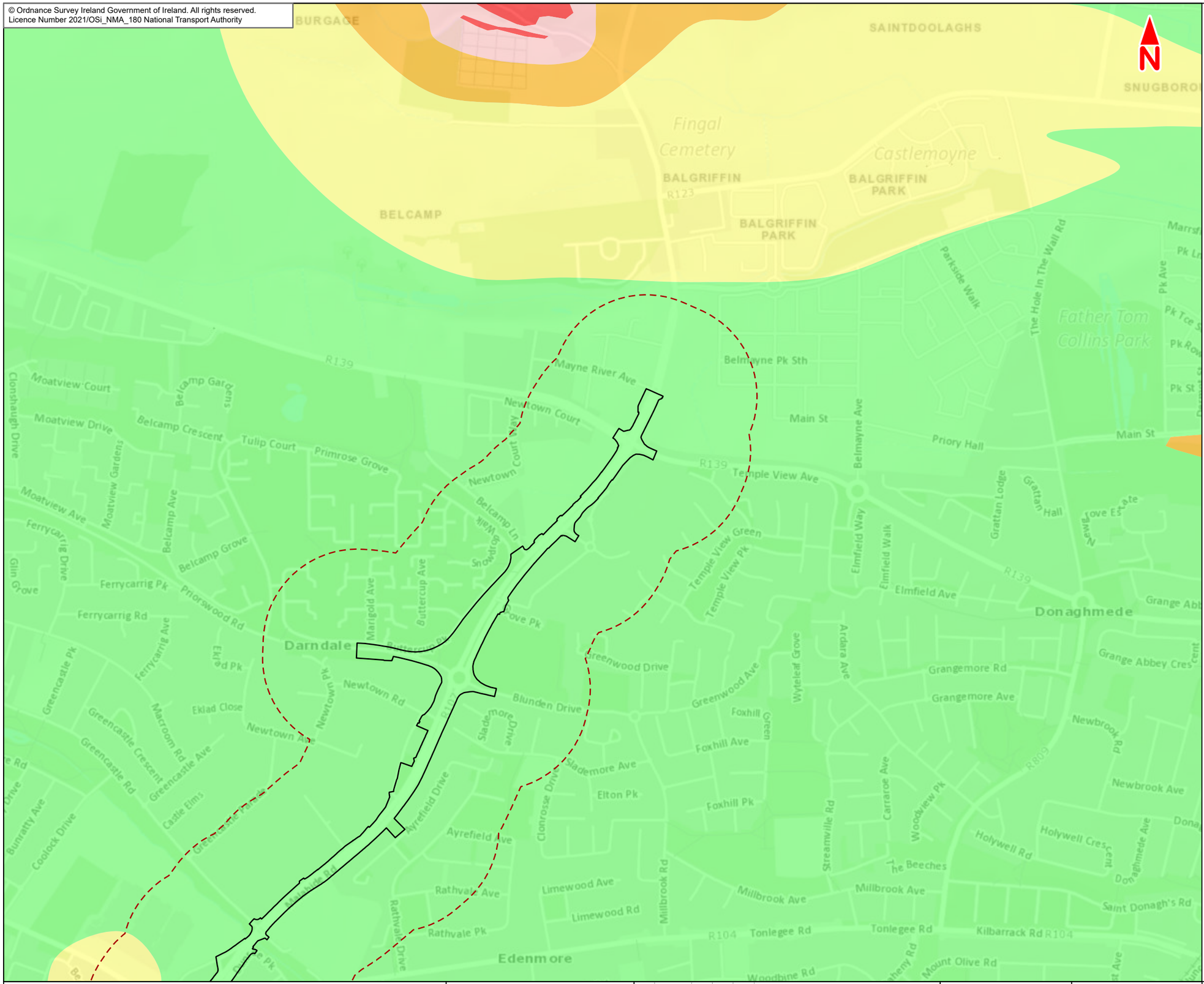

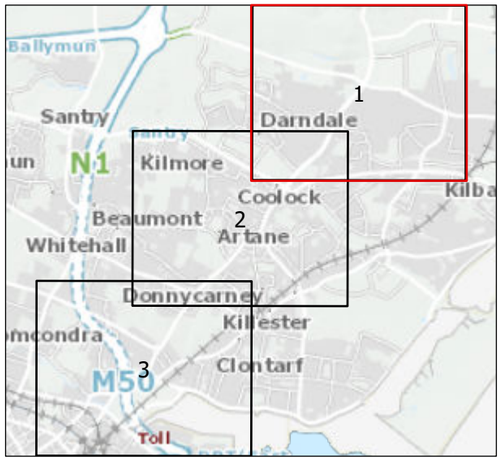

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI National Groundwater Vulnerability

- Extreme (X) Rock at/close to surface or Karst
- Extreme
- High
- Moderate
- Low
- Water

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0 0.1 0.2 0.3 0.4 0.5 km

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BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.14
Groundwater Vulnerability

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0801	1 of 3	A	M01

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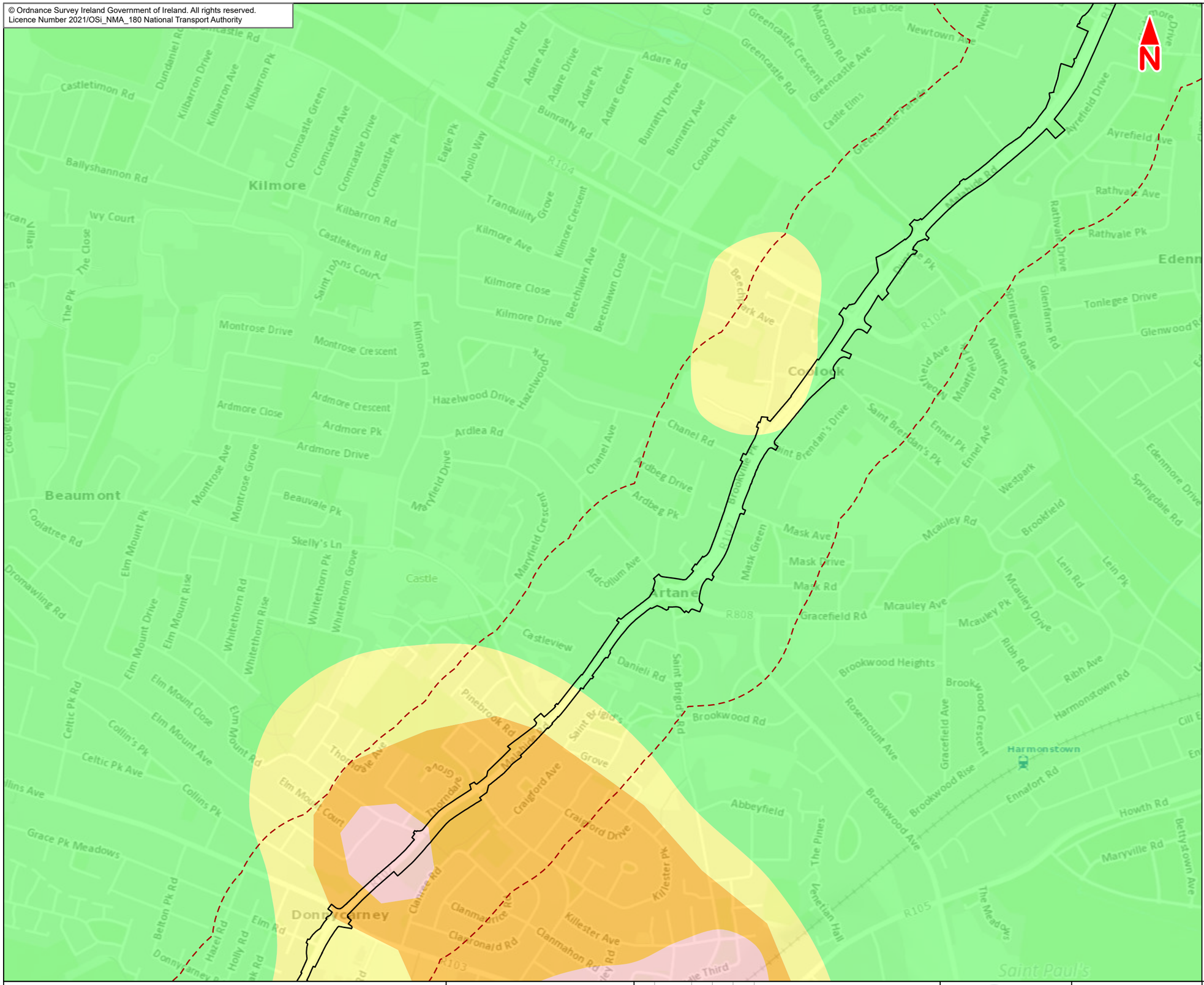

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI National Groundwater Vulnerability

- Extreme (X) Rock at/close to surface or Karst
- Extreme
- High
- Moderate
- Low
- Water

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0 0.1 0.2 0.3 0.4 0.5 km

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Consultant: Jacobs ARUP SYSTRA

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Project Code	Originator Code	QMS Code
BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.14
Groundwater Vulnerability

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0802	2 of 3	A	M01

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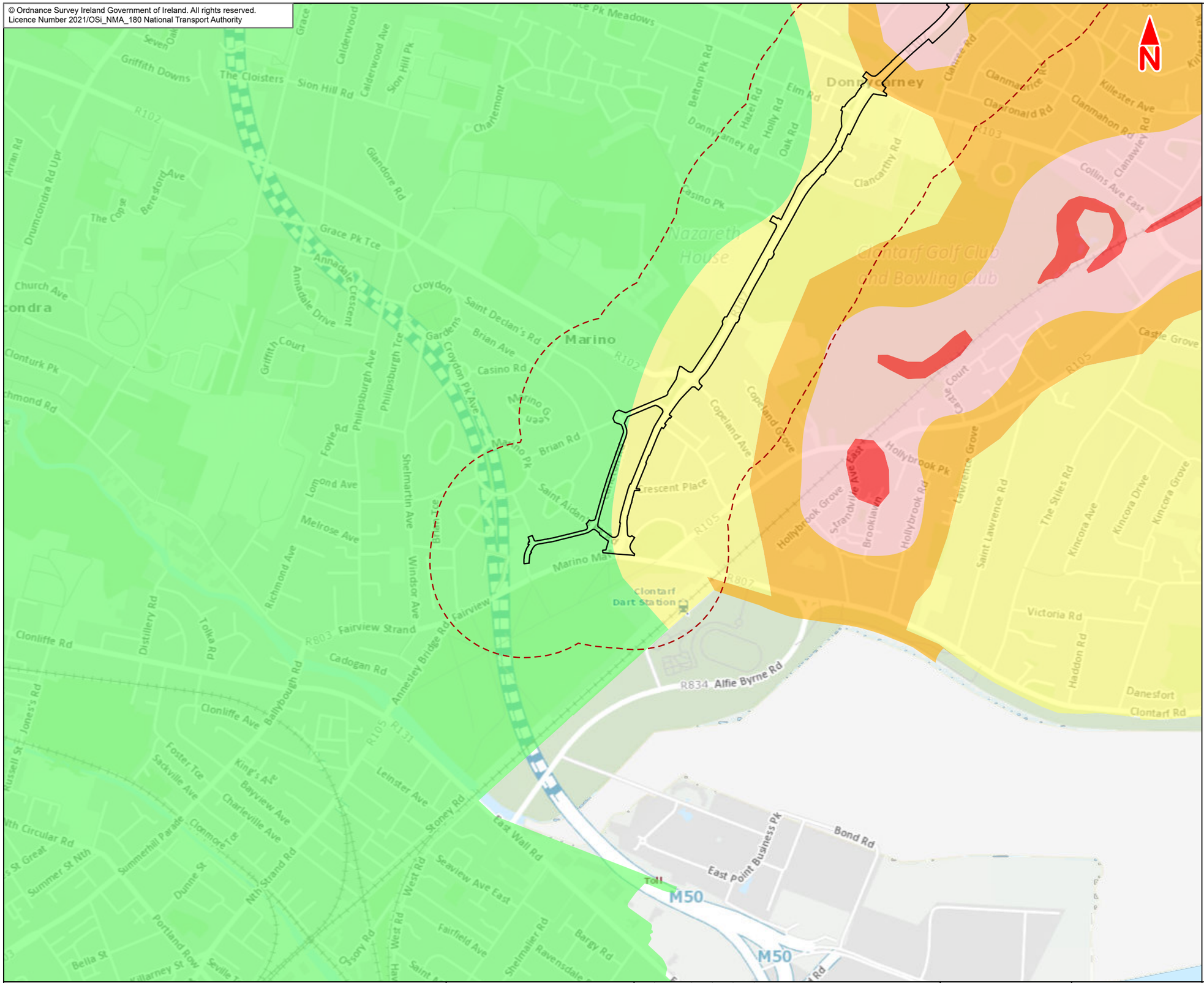

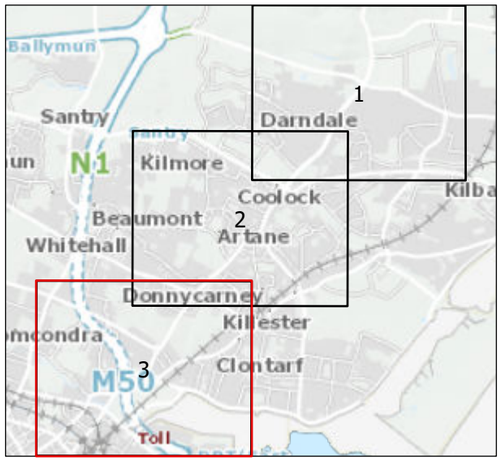

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI National Groundwater Vulnerability

- Extreme (X) Rock at/close to surface or Karst
- Extreme
- High
- Moderate
- Low
- Water

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0 0.1 0.2 0.3 0.4 0.5 km

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Project Code	Originator Code	QMS Code
BCIDE	JAC	

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.14
Groundwater Vulnerability

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0803	3 of 3	A	M01

14.15
Groundwater Recharge

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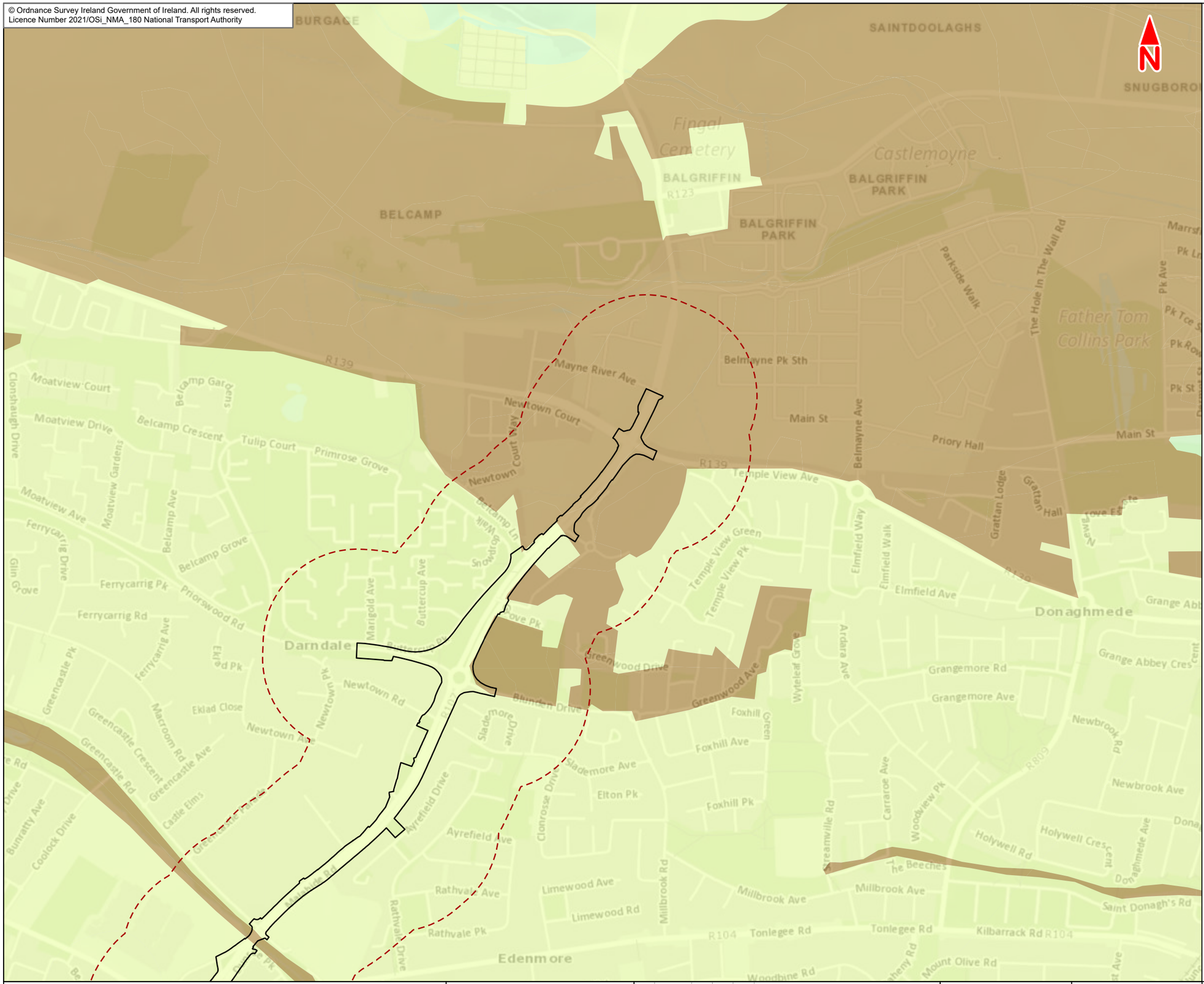

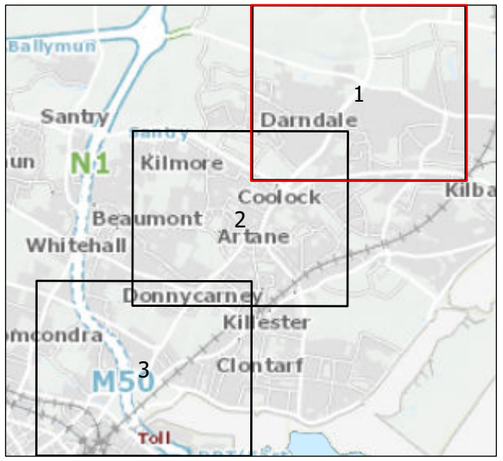

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI Groundwater Recharge

Annual Recharge (mm)

- 151-200 mm
- 51-100 mm
- 1-50 mm

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.15
Groundwater Recharge

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0901	1 of 3	A	M01

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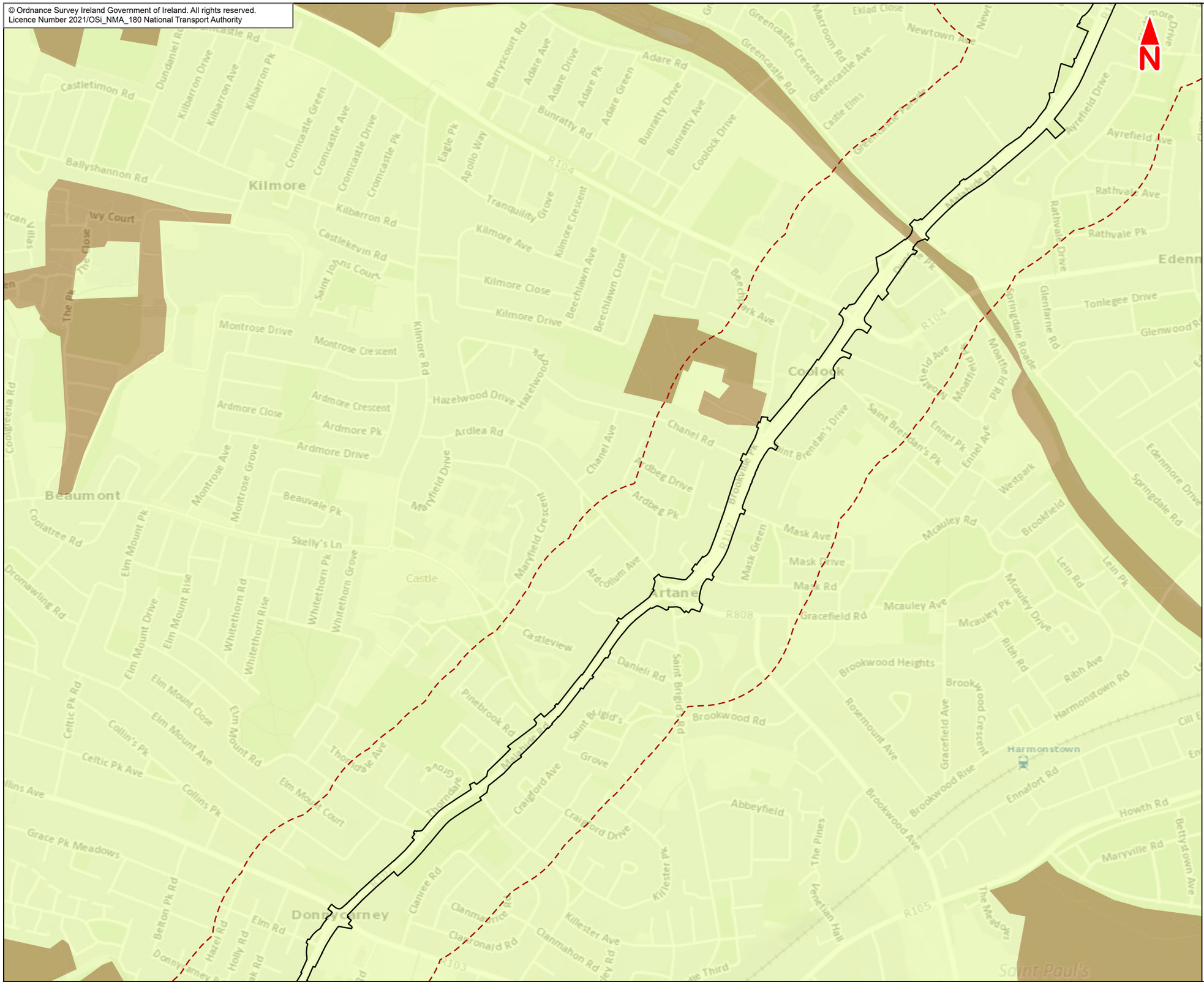

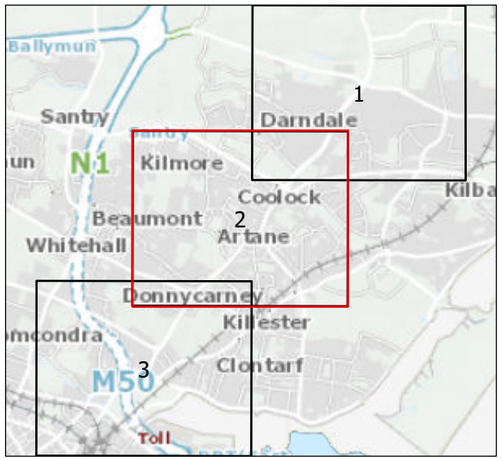

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI Groundwater Recharge

Annual Recharge (mm)

- 51-100 mm
- 1-50 mm

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.15
Groundwater Recharge

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0902	2 of 3	A	M01

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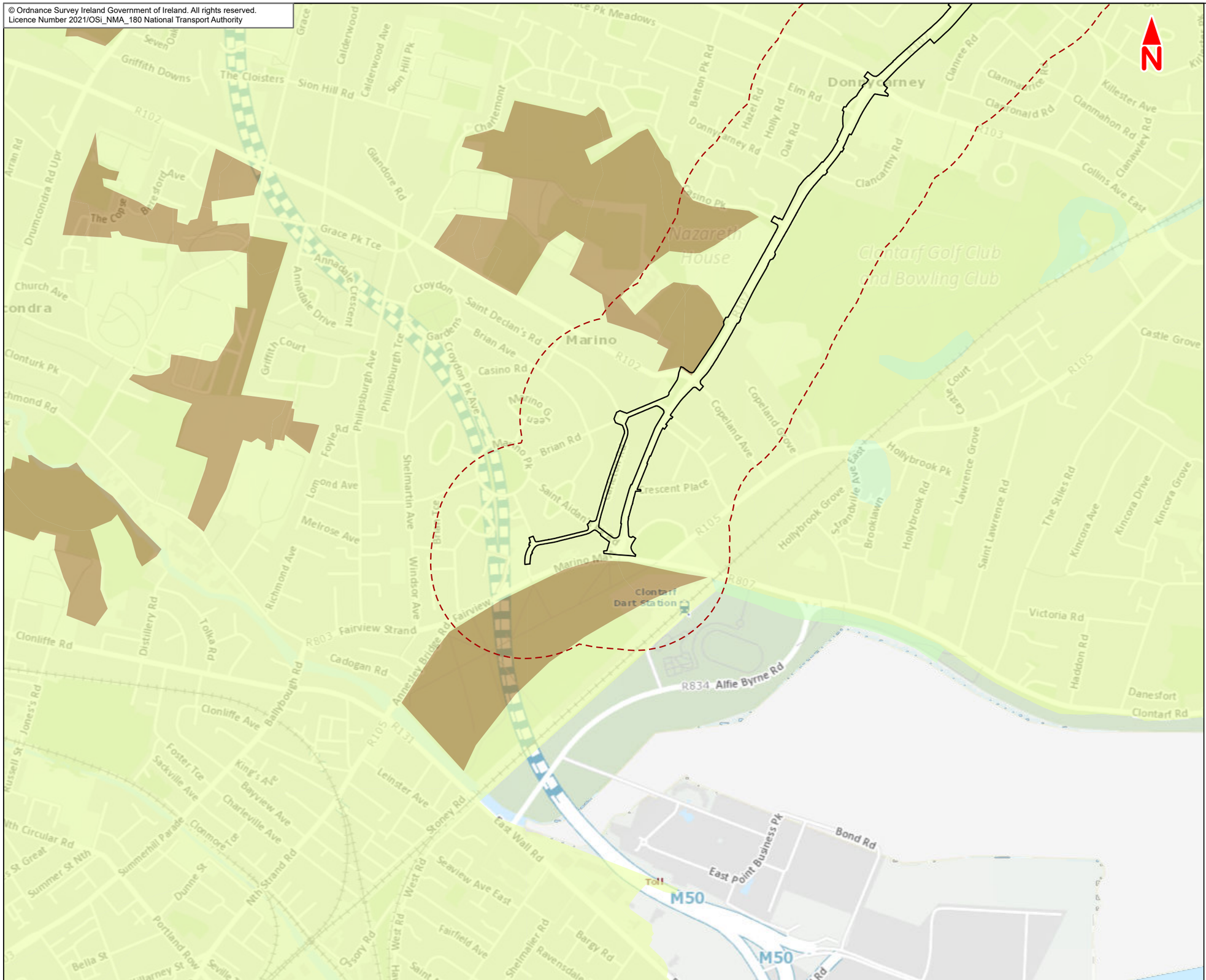

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- 250m Study Area

GSI Groundwater Recharge

Annual Recharge (mm)

- 151-200 mm
- 51-100 mm
- 1-50 mm

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0 0.1 0.2 0.3 0.4 0.5 km

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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
Clongriffin to City Centre Core Bus Corridor Scheme
Figure 14.15
Groundwater Recharge

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_GT-0001_XX_00-DR-GG-0903	3 of 3	A	M01