

LEGEND

RAILWAY STATIONS	JACKDAW
DEVELOPMENT BOUNDARY	KESTREL
BREEDING BIRD SURVEY	LESSER BLACK-BACKED GULL
BLACKBIRD	LINNET
BLACKCAP	LONG-TAILED TIT
BLUE TIT	MAGPIE
BULLFINCH	MALLARD
BUZZARD	MEADOW PIPIT
CARRION CROW	MISTLE THRUSH
CHAFFINCH	PHEASANT
CHIFFCHAFF	PIED WAGTAIL
COAL TIT	REED BUNTING
COLLARED DOVE	REED WARBLER
CORMORANT	ROBIN
CURLEW	ROOK
DUNNOCK	SAND MARTIN
FERRAL PIGEON	SEDGE WARBLER
GARDEN WARBLER	SKYLARK
GOLDCREST	SONG THRUSH
GOLDFINCH	SPARROWHAWK
GREAT BLACK-BACKED GULL	STARLING
GREAT TIT	STONECHAT
GREENFINCH	SWALLOW
GREY HERON	SWIFT
HERRING GULL	TREE SPARROW
HOODED CROW	WHITETHROAT
HOUSE MARTIN	WILLOW WARBLER
HOUSE SPARROW	WOODPIGEON
	WREN
	YELLOWHAMMER

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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.

Rev	Date	Dn	Chkd	App'd	Description
P02	31/05/2024	DM	SG	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

Date: 07/09/2023 Scale: 1:75000 @ A1 1:150000 @ A3

Drawn	DM	Checked	SG	Approved	COD
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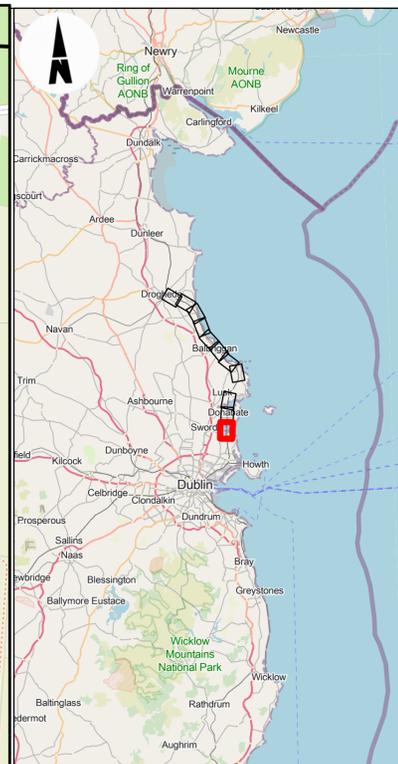
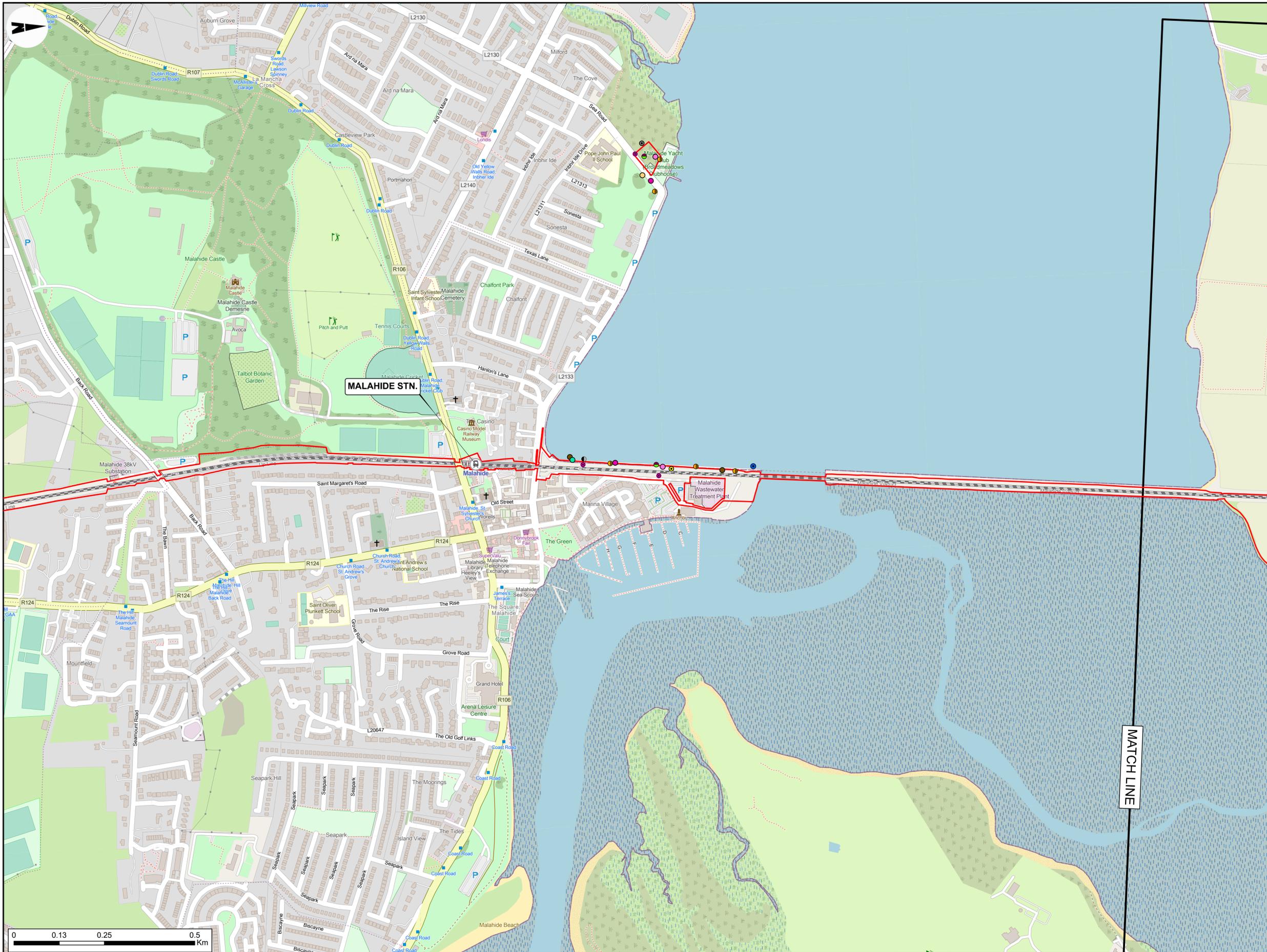
Project Code: D+WP56 Originator Code: ARP OMS Code: 279933-00

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY OVERVIEW**

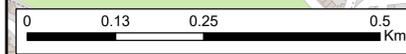
Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100071

Sheet Number: 1 of 12 Status: S4 Rev: P02



LEGEND

- RAILWAY STATIONS
- DEVELOPMENT BOUNDARY
- BREEDING BIRD SURVEY**
- BLACKBIRD
- CORMORANT
- GOLDFINCH
- GREY HERON
- HERRING GULL
- HOODED CROW
- JACKDAW
- MALLARD
- PIED WAGTAIL
- STARLING
- SWALLOW
- WOODPIGEON
- WREN



NOTES
1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.

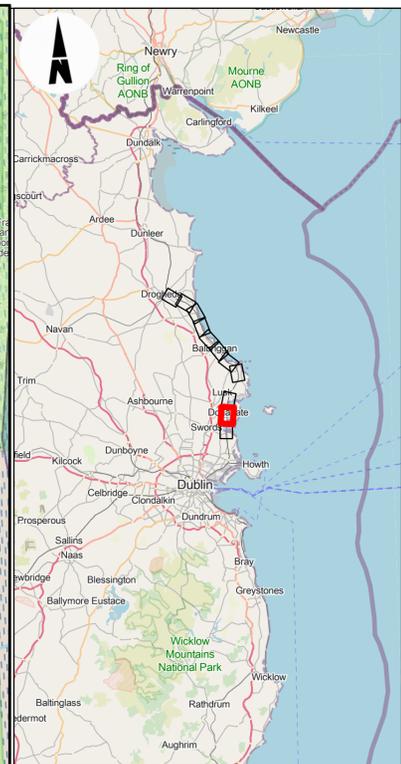
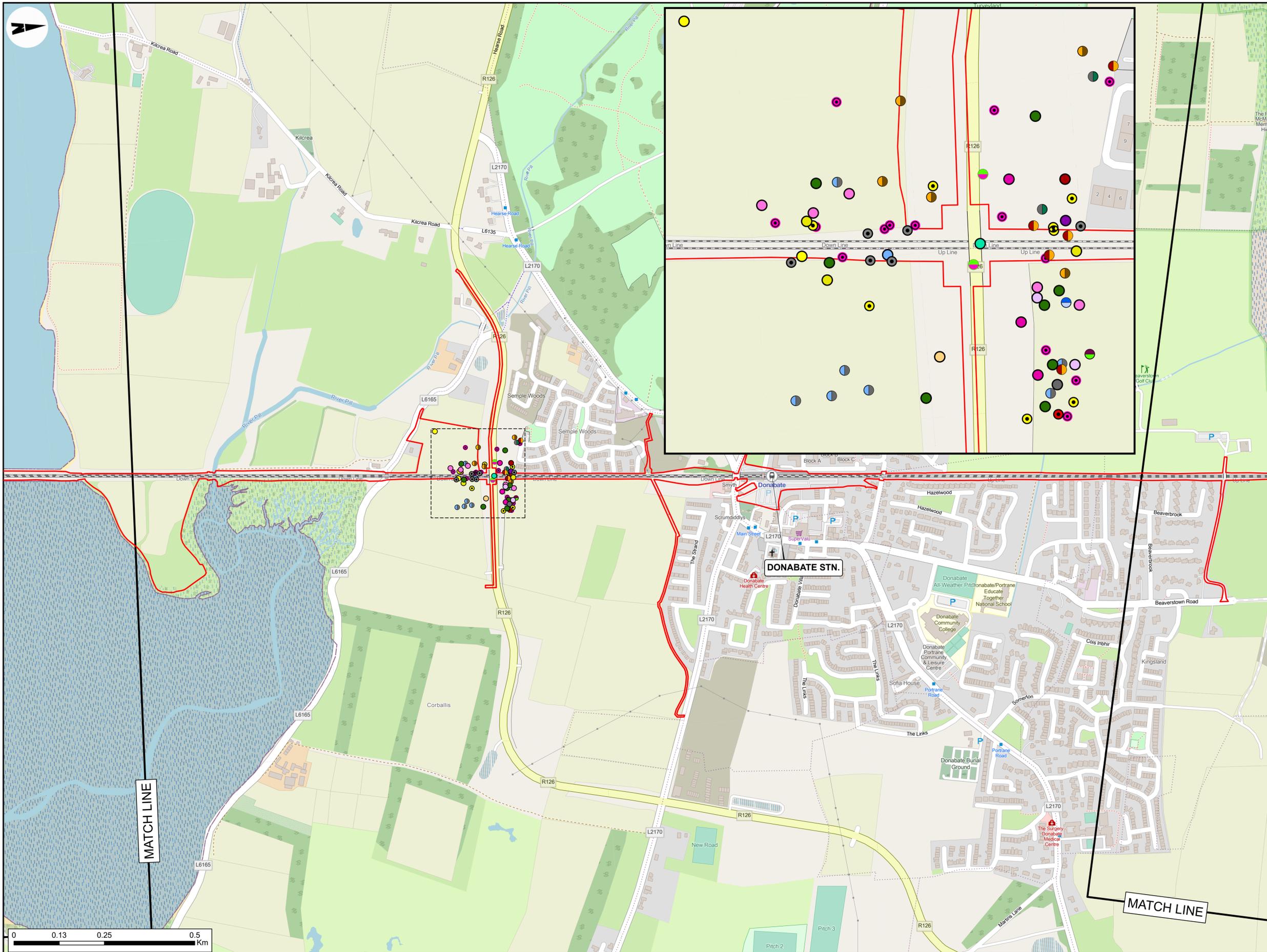
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Rev	Date	Dn	Ch'd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client		Engineering Designer	
Iarnród Éireann Irish Rail		ARUP	
Date	Scale	Drawn	Checked
07/09/2023	1:5000 @ A1 1:10000 @ A3	DM	SQ
Project Code	Originator Code	QMS Code	Approved
D+WP56	ARP		COD

Project Title		Drawing Title	
DART+ COASTAL NORTH		BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY SURVEY AREA 1	
Drawing File Name	Sheet Number	Status	Rev
D+WP56-ARP-ZZ-NL-DR-EVBD-100072	2 of 12	S4	P02



LEGEND

- RAILWAY STATIONS
- DEVELOPMENT BOUNDARY
- BREEDING BIRD SURVEY**
- BLACKBIRD
- BLACKCAP
- BUZZARD
- DUNNOCK
- GOLDFINCH
- GREAT TIT
- HERRING GULL
- HOODED CROW
- JACKDAW
- LINNET
- MAGPIE
- PHEASANT
- ROBIN
- ROOK
- SKYLARK
- SONG THRUSH
- STARLING
- STONECHAT
- SWALLOW
- WILLOW WARBLER
- WOODPIGEON
- WREN
- YELLOWHAMMER

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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:1000 WHEN PRINTED AT A1 SIZE.

Rev	Date	Dn	Ch'd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

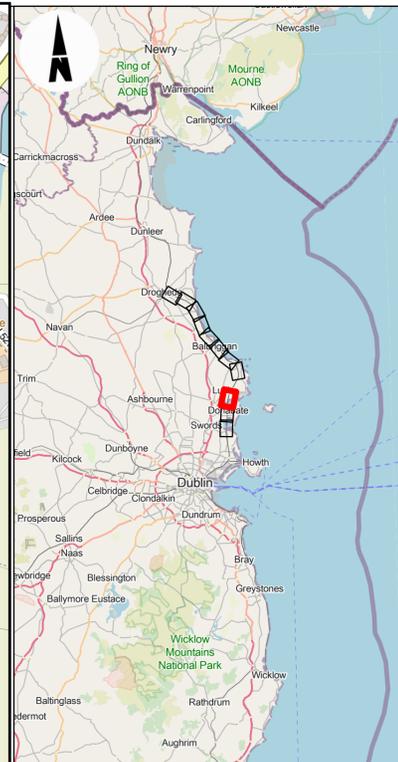
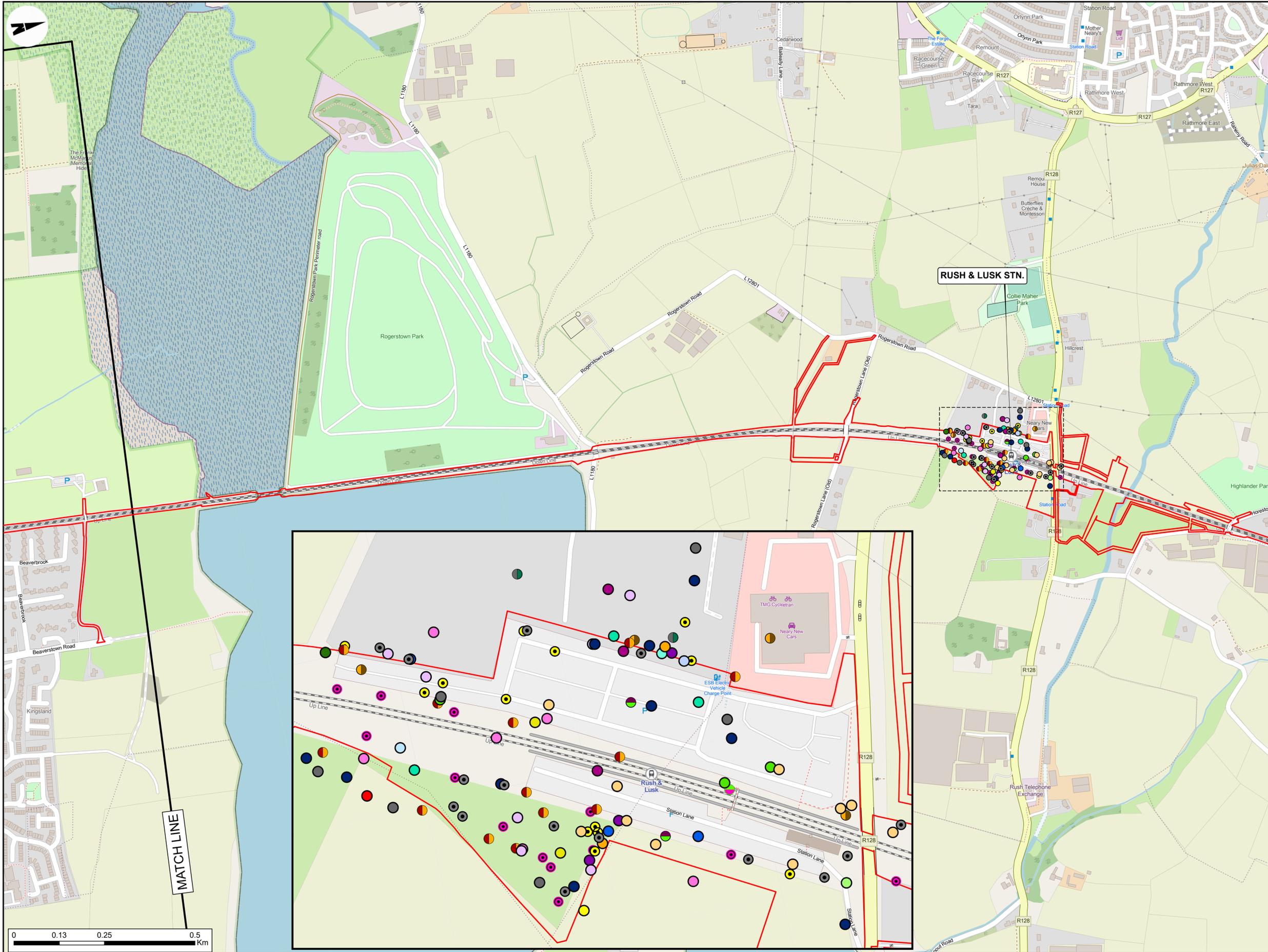
Date: 07/09/2023 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

Drawn: DM Checked: SQ Approved: COD

QMS Code: 279933-00

Project Title: DART+ COASTAL NORTH			
Drawing Title: BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY SURVEY AREA 2			
Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100073	Sheet Number: 3 of 12	Status: S4	Rev: P02



LEGEND

- RAILWAY STATIONS
- DEVELOPMENT BOUNDARY

BREEDING BIRD SURVEY

- BLACKBIRD
- BLACKCAP
- BLUE TIT
- BULLFINCH
- CHAFFINCH
- CHIFFCHAFF
- DUNNOCK
- GOLDCREST
- GOLDFINCH
- GREAT TIT
- GREENFINCH
- HERRING GULL
- HOUSE MARTIN
- HOUSE SPARROW
- JACKDAW
- LESSER BLACK-BACKED GULL
- LINNET
- MAGPIE
- MISTLE THRUSH
- ROBIN
- ROOK
- SONG THRUSH
- STARLING
- SWALLOW
- WOODPIGEON
- WREN
- YELLOWHAMMER

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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:1000 WHEN PRINTED AT A1 SIZE.

DART+ Coastal North

NTA
 Údairis Náisiúnta Iompartha
 National Transport Authority

Tionscadal Éireann
 Project Ireland
 2040

Rev	Date	Dn	Ch'd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

Date: 07/09/2023 Scale: 1:5000 @ A1 / 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

QMS Code: 279933-00

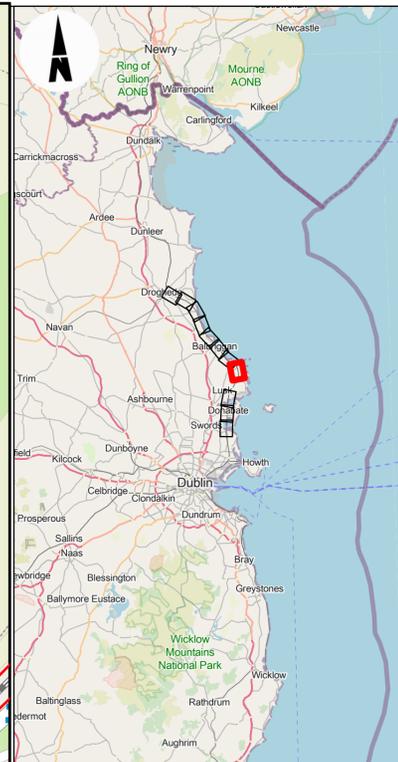
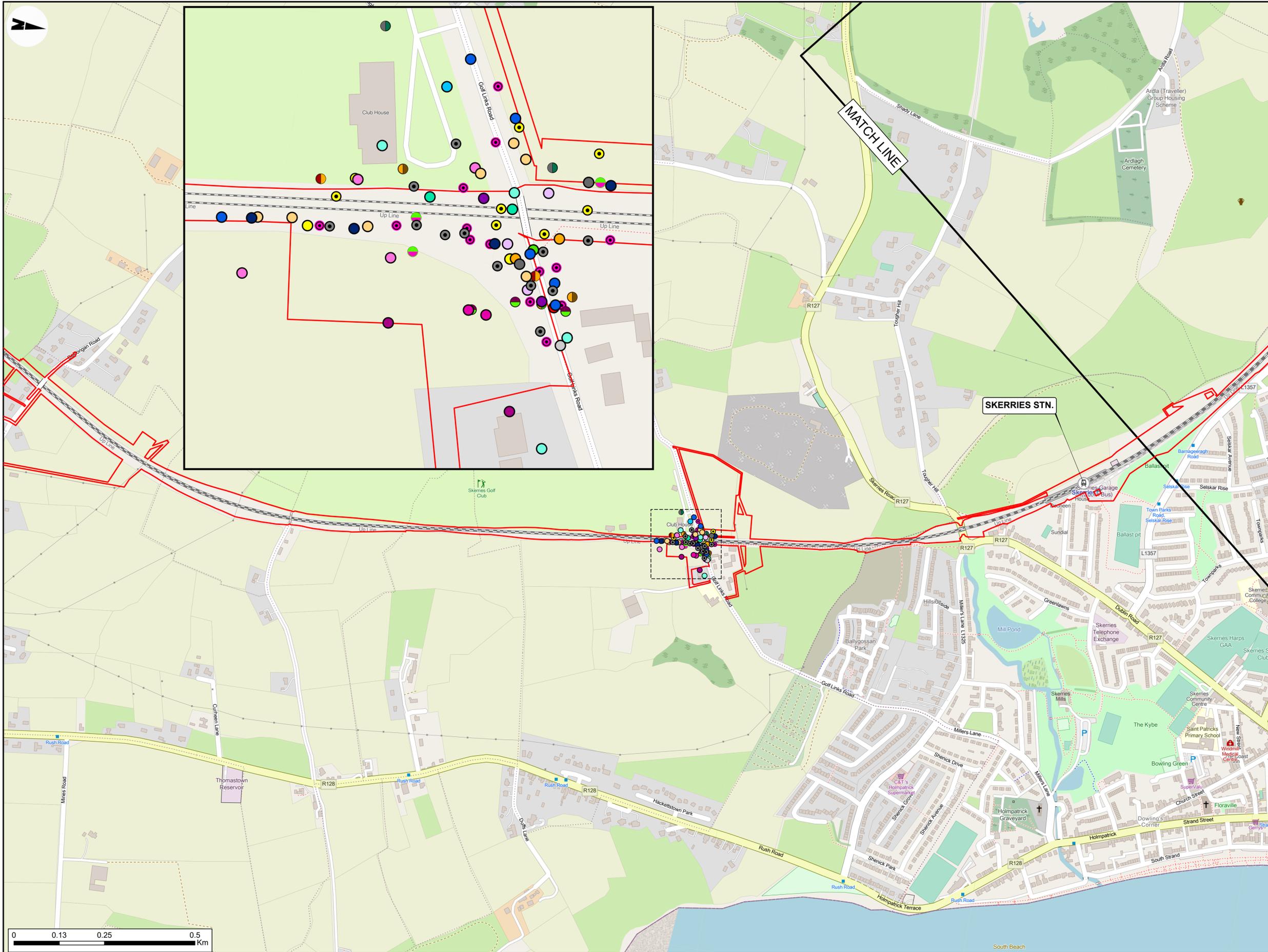
Drawn: DM Checked: SQ Approved: COD

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY AREA 3**

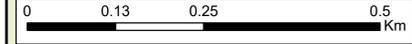
Drawing File Name: D+WP56-ARP-ZL-NN-DR-EVBD-100074

Sheet Number: 4 of 12 Status: S4 Rev: P02



LEGEND

- RAILWAY STATIONS
- DEVELOPMENT BOUNDARY
- BREEDING BIRD SURVEY**
- BLACKBIRD
- BLACKCAP
- BLUE TIT
- CHAFFINCH
- COLLARED DOVE
- DUNNOCK
- GOLDCREST
- GOLDFINCH
- GREAT TIT
- GREENFINCH
- HERRING GULL
- HOODED CROW
- HOUSE MARTIN
- HOUSE SPARROW
- JACKDAW
- MISTLE THRUSH
- ROBIN
- ROOK
- SONG THRUSH
- STARLING
- SWALLOW
- TREE SPARROW
- WOODPIGEON
- WREN
- YELLOWHAMMER



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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:750 WHEN PRINTED AT A1 SIZE.

DART+ Coastal North

NTA
 Údarás Náisiúnta Iompartha
 National Transport Authority

Tionscadal Éireann
 Project Ireland
 2040

Rev	Date	Dn	Chkd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

Date: 07/09/2023 Scale: 1:5000 @ A1 / 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

QMS Code: 279933-00

Drawn: DM Checked: SQ Approved: COD

Project Title: **DART+ COASTAL NORTH**

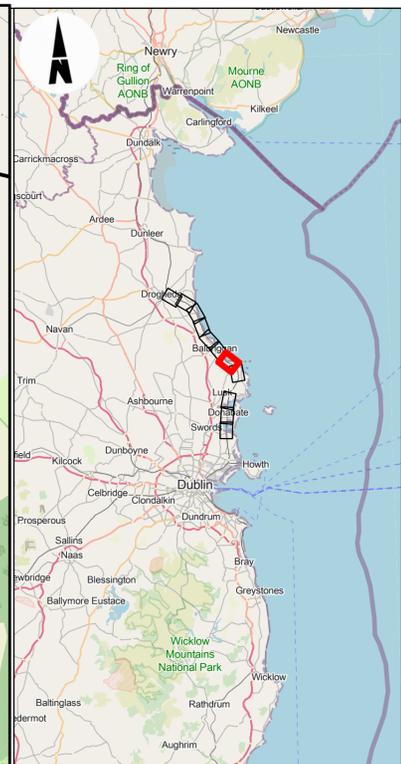
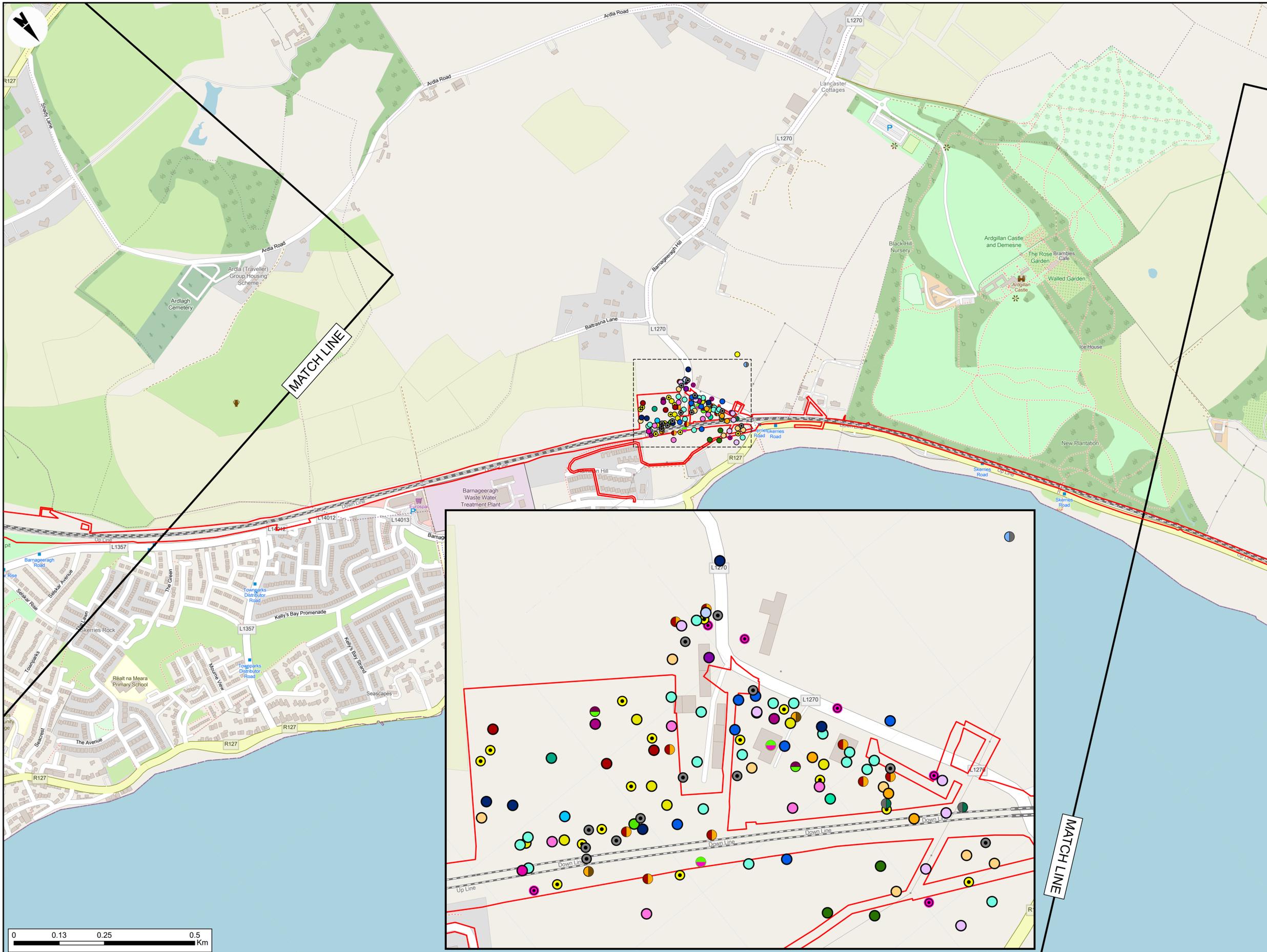
Drawing Title: **BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY AREA 4**

Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100075

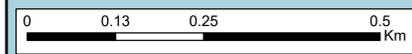
Sheet Number: 6 of 12

Status: S4

Rev: P02



- LEGEND**
- DEVELOPMENT BOUNDARY
 - BREEDING BIRD SURVEY**
 - BLACKBIRD
 - BLUE TIT
 - BULLFINCH
 - CHAFFINCH
 - COLLARED DOVE
 - DUNNOCK
 - GOLDCREST
 - GOLDFINCH
 - GREAT TIT
 - GREENFINCH
 - HERRING GULL
 - HOODED CROW
 - HOUSE MARTIN
 - HOUSE SPARROW
 - JACKDAW
 - KESTREL
 - LINNET
 - MAGPIE
 - PHEASANT
 - ROBIN
 - ROOK
 - SKYLARK
 - SONG THRUSH
 - STARLING
 - SWALLOW
 - WOODPIGEON
 - WREN
 - YELLOWHAMMER



NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:1000 WHEN PRINTED AT A1 SIZE.

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Rev	Date	Dn	Ch'd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

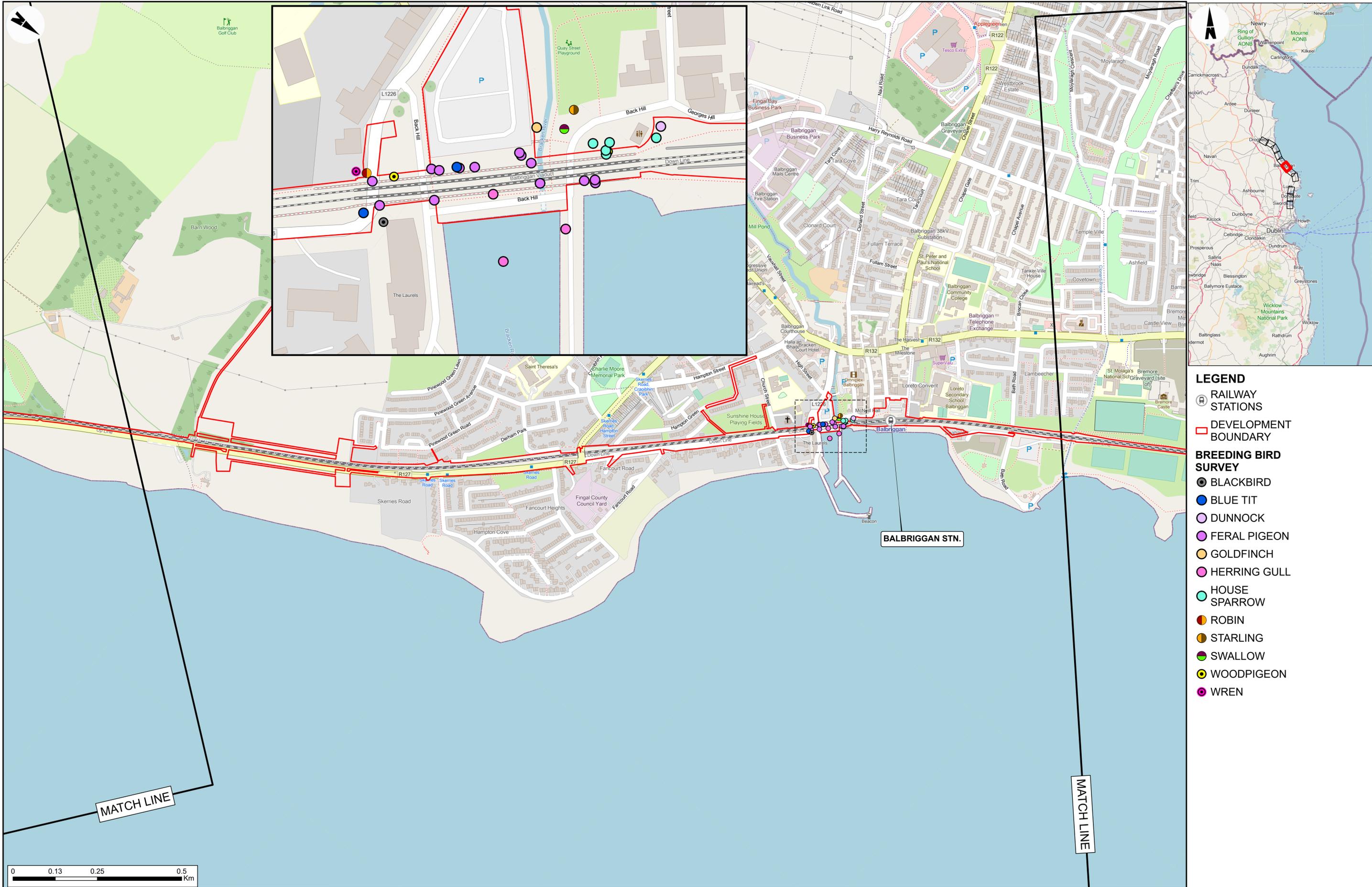
Date: 07/09/2023 Scale: 1:5000 @ A1, 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

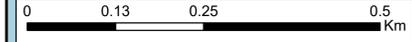
Drawn: DM Checked: SQ Approved: COD

OMS Code: 279933-00

Project Title: DART+ COASTAL NORTH			
Drawing Title: BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY SURVEY AREA 5			
Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100076	Sheet Number: 6 of 12	Status: S4	Rev: P02



- LEGEND**
- RAILWAY STATIONS
 - DEVELOPMENT BOUNDARY
 - BREEDING BIRD SURVEY**
 - BLACKBIRD
 - BLUE TIT
 - DUNNOCK
 - FERAL PIGEON
 - GOLDFINCH
 - HERRING GULL
 - HOUSE SPARROW
 - ROBIN
 - STARLING
 - SWALLOW
 - WOODPIGEON
 - WREN



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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:750 WHEN PRINTED AT A1 SIZE.



Rev	Date	Dn	Chkd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **larnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 07/09/2023 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

Drawn: DM Checked: SQ Approved: COD

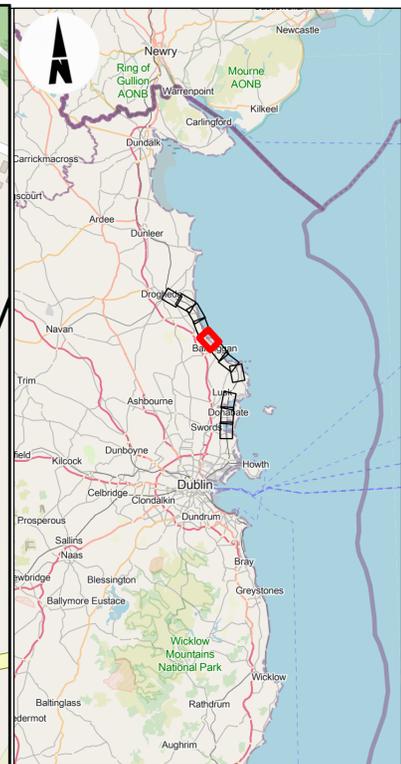
QMS Code: 279933-00

Project Title: **DART+ COASTAL NORTH**

Drawing Title: **BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY SURVEY AREA 6**

Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100077

Sheet Number: 7 of 12 Status: S4 Rev: P02



- LEGEND**
- RAILWAY STATIONS
 - DEVELOPMENT BOUNDARY
 - BREEDING BIRD SURVEY**
 - BLACKBIRD
 - BLACKCAP
 - BLUE TIT
 - CHAFFINCH
 - DUNNOCK
 - GOLDFINCH
 - GREAT TIT
 - HERRING GULL
 - HOODED CROW
 - LESSER BLACK-BACKED GULL
 - LINNET
 - MAGPIE
 - MEADOW PIPIT
 - ROBIN
 - ROOK
 - SKYLARK
 - SONG THRUSH
 - STARLING
 - SWALLOW
 - WOODPIGEON
 - WREN
 - YELLOWHAMMER

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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:2000 WHEN PRINTED AT A1 SIZE.

Rev	Date	Dn	Chkd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

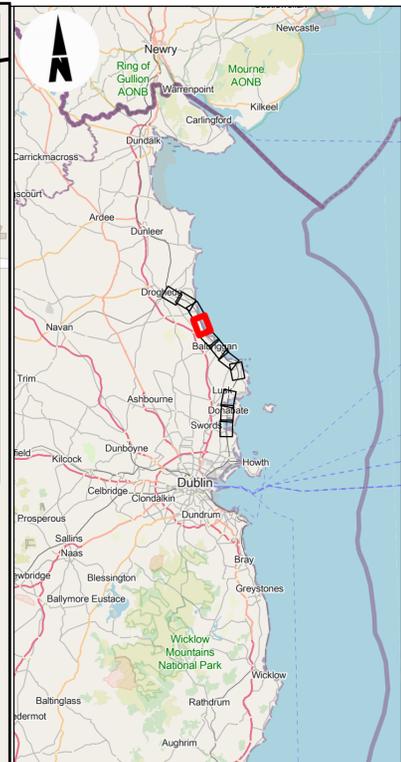
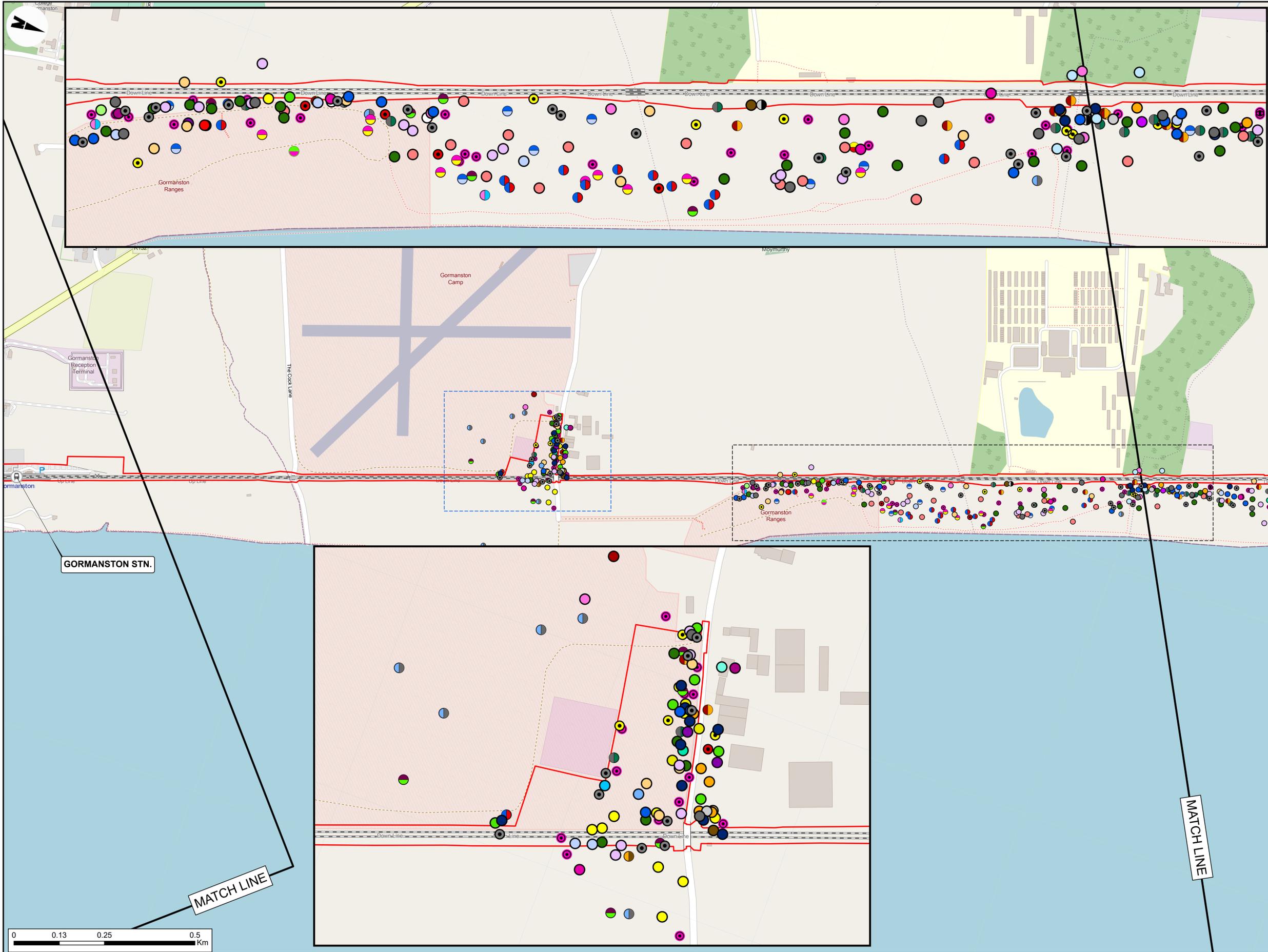
Date: 07/09/2023 Scale: 1:5000 @ A1, 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

Drawn: DM Checked: SQ Approved: COD

QMS Code: 279933-00

Project Title: DART+ COASTAL NORTH	
Drawing Title: BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY SURVEY AREA 7	
Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100078	Sheet Number: 8 of 12
Status: S4	Rev: P02



- LEGEND**
- RAILWAY STATIONS
 - DEVELOPMENT BOUNDARY
 - BREEDING BIRD SURVEY BOUNDARY
 - BLACKBIRD
 - BLACKCAP
 - BLUE TIT
 - BULLFINCH
 - BUZZARD
 - CHAFFINCH
 - CHIFFCHAFF
 - COAL TIT
 - COLLARED DOVE
 - DUNNOCK
 - GARDEN WARBLER
 - GOLDCREST
 - GOLDFINCH
 - GREAT BLACK-BACKED GULL
 - GREAT TIT
 - GREENFINCH
 - HERRING GULL
 - HOODED CROW
 - HOUSE MARTIN
 - HOUSE SPARROW
 - JACKDAW
 - LESSER BLACK-BACKED GULL
 - LINNET
 - MAGPIE
 - MALLARD
 - MEADOW PIPIT
 - MISTLE THRUSH
 - PHEASANT
 - REED BUNTING
 - REED WARBLER
 - ROBIN
 - ROOK
 - SAND MARTIN
 - SEDGE WARBLER
 - SKYLARK
 - SONG THRUSH
 - STARLING
 - STONECHAT
 - SWALLOW
 - WHITETHROAT
 - WILLOW WARBLER
 - WOODPIGEON
 - WREN
 - YELLOWHAMMER



MATCH LINE

MATCH LINE

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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. THE TOP INSET MAP SHOWS THE AREA MARKED BY THE BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:2000 WHEN PRINTED AT A1 SIZE. THE BOTTOM INSET MAP SHOWS THE AREA MARKED BY THE BLUE DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:1500 WHEN PRINTED AT A1 SIZE.



Rev	Date	Dn	Ch'd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **larnród Éireann Irish Rail**

Engineering Designer: **ARUP**

Date: 07/09/2023 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

QMS Code: 279933-00

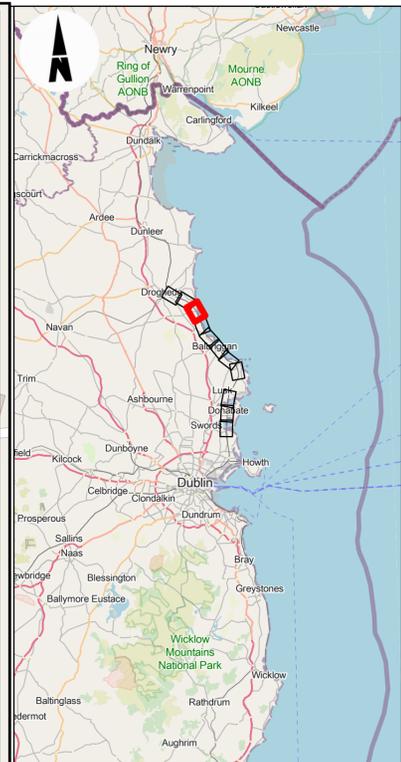
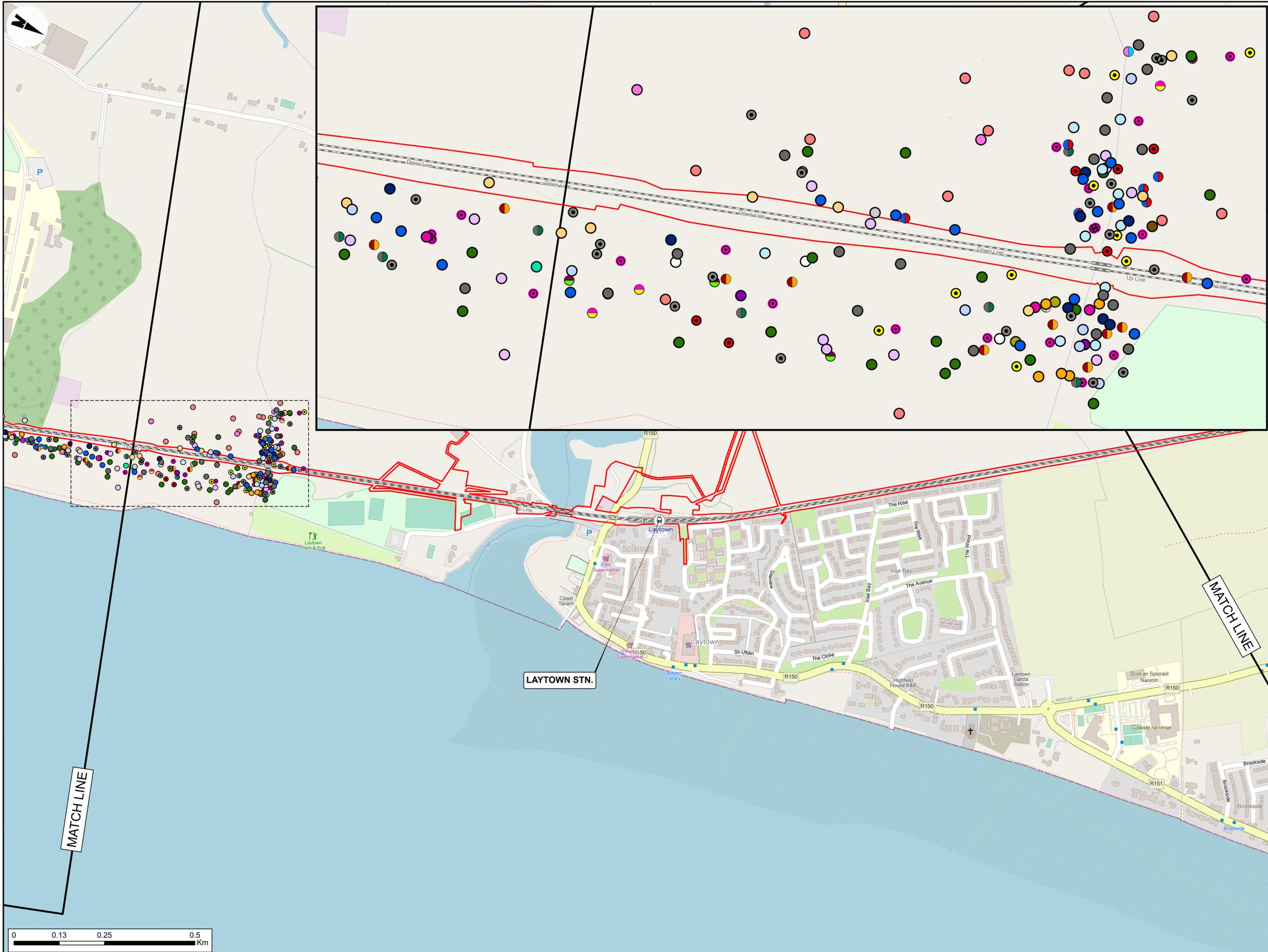
Drawn: DM Checked: SQ Approved: COD

Project Title: **DART+ COASTAL NORTH**

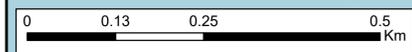
Drawing Title: **BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY AREA 8**

Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100079

Sheet Number: 9 of 12 Status: S4 Rev: P02



- LEGEND**
- RAILWAY STATIONS
 - DEVELOPMENT BOUNDARY
 - BREEDING BIRD SURVEY**
 - BLACKBIRD
 - BLACKCAP
 - BLUE TIT
 - BULLFINCH
 - CHAFFINCH
 - CHIFFCHAFF
 - COAL TIT
 - DUNNOCK
 - GARDEN WARBLER
 - GOLDCREST
 - GOLDFINCH
 - GREAT BLACK-BACKED GULL
 - GREAT TIT
 - HERRING GULL
 - HOODED CROW
 - JACKDAW
 - LINNET
 - LONG-TAILED TIT
 - MALLARD
 - MEADOW PIPIT
 - REED BUNTING
 - ROBIN
 - SAND MARTIN
 - SEDGE WARBLER
 - SONG THRUSH
 - SPARROWHAWK
 - STONECHAT
 - SWALLOW
 - WHITETHROAT
 - WILLOW WARBLER
 - WOODPIGEON
 - WREN



NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:1250 WHEN PRINTED AT A1 SIZE.

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Rev	Date	Dm	Chkd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

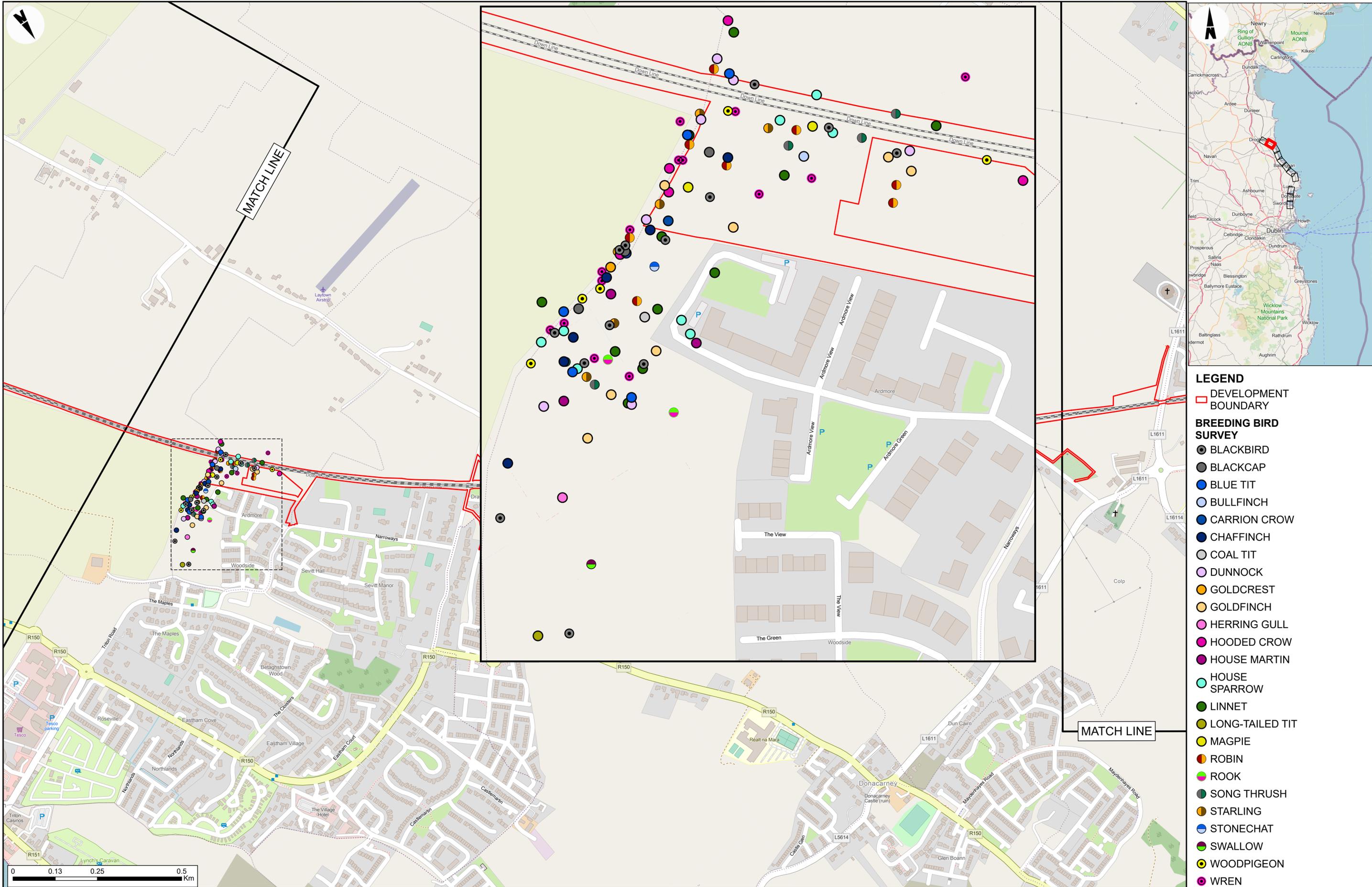
Date: 07/09/2023 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

QMS Code: 279933-00

Drawn: DM Checked: SQ Approved: COD

Project Title: DART+ COASTAL NORTH			
Drawing Title: BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY SURVEY AREA 9			
Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100080	Sheet Number: 10 of 12	Status: S4	Rev: P02



- LEGEND**
- DEVELOPMENT BOUNDARY
 - BREEDING BIRD SURVEY**
 - BLACKBIRD
 - BLACKCAP
 - BLUE TIT
 - BULLFINCH
 - CARRION CROW
 - CHAFFINCH
 - COAL TIT
 - DUNNOCK
 - GOLDCREST
 - GOLDFINCH
 - HERRING GULL
 - HOODED CROW
 - HOUSE MARTIN
 - HOUSE SPARROW
 - LINNET
 - LONG-TAILED TIT
 - MAGPIE
 - ROBIN
 - ROOK
 - SONG THRUSH
 - STARLING
 - STONECHAT
 - SWALLOW
 - WOODPIGEON
 - WREN

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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:1000 WHEN PRINTED AT A1 SIZE.

Rev	Date	Dn	Ch'd	App'd	Description
P02	31/05/2024	DM	SQ	COD	PLANNING ISSUE

Client: **Irish Rail**

Engineering Designer: **ARUP**

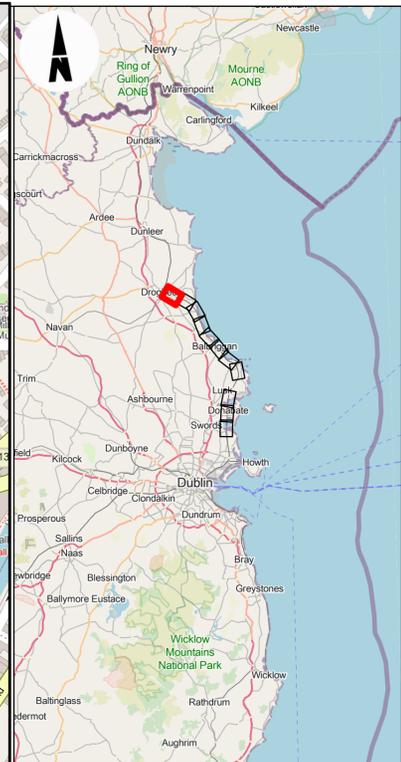
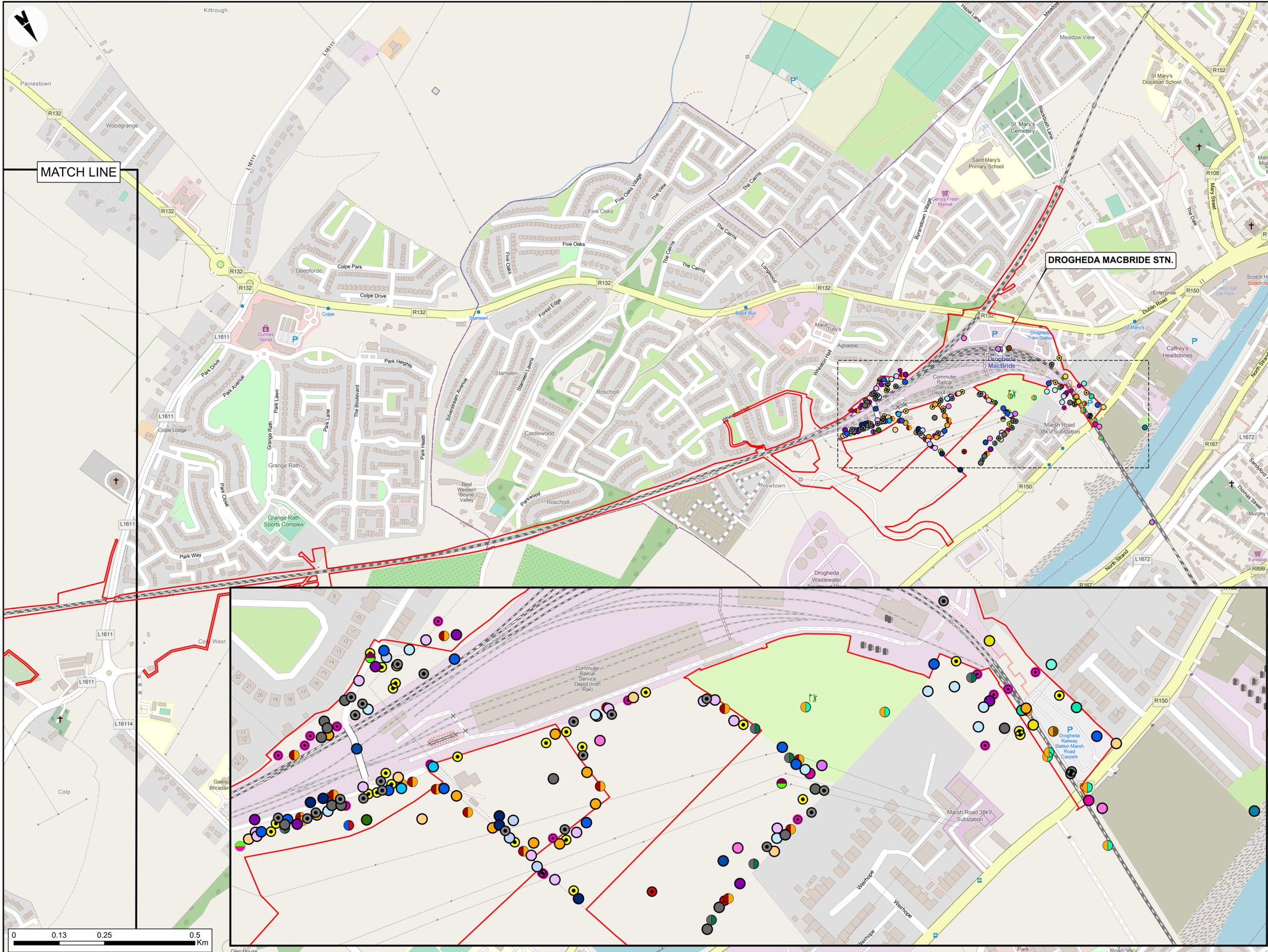
Date: 07/09/2023 | Scale: 1:5000 @ A1, 1:10000 @ A3

Project Code: D+WP56 | Originator Code: ARP

Drawn: DM | Checked: SQ | Approved: COD

OMS Code: 279933-00

Project Title: DART+ COASTAL NORTH	
Drawing Title: BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY SURVEY AREA 10	
Drawing File Name: D+WP56-ARP-ZZ-NL-DR-EVBD-100081	Sheet Number: 11 of 12
Status: S4	Rev: P02



- LEGEND**
- RAILWAY STATIONS
 - DEVELOPMENT BOUNDARY
 - BREEDING BIRD SURVEY
 - BLACKBIRD
 - BLACKCAP
 - BLUE TIT
 - BULLFINCH
 - CARRION CROW
 - CHAFFINCH
 - CHIFFCHAFF
 - COLLARED DOVE
 - CURLEW
 - DUNNOCK
 - FERAL PIGEON
 - GOLDCREST
 - GOLDFINCH
 - GREAT TIT
 - HERRING GULL
 - HOODED CROW
 - HOUSE SPARROW
 - JACKDAW
 - LINNET
 - MAGPIE
 - PIED WAGTAIL
 - REED BUNTING
 - ROBIN
 - ROOK
 - SONG THRUSH
 - STARLING
 - SWALLOW
 - SWIFT
 - WILLOW WARBLER
 - WOODPIGEON
 - WREN

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NOTES
 1. FIGURE ONLY INCLUDES AREAS WITH SURVEY RESULTS.
 2. INSET MAP SHOWS AREA MARKED BY BLACK DASHED BOUNDARY MAGNIFIED TO A SCALE OF 1:1500 WHEN PRINTED AT A1 SIZE.

DART+ Coastal North

NTA
 Údairis Náisiúnta Iompartha
 National Transport Authority

Tionscail Éireann Project Ireland 2040

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Client: **Irish Rail**

Date: 07/09/2023 Scale: 1:5000 @ A1 1:10000 @ A3

Project Code: D+WP56 Originator Code: ARP

Engineering Designer: **ARUP**

Drawn: DM Checked: SQ Approved: COD

QMS Code: 279933-00

Project Title			
DART+ COASTAL NORTH			
Drawing Title			
BIODIVERSITY FIGURE 8.7: BREEDING BIRD SURVEY AREA 11			
Drawing File Name			
D+WP56-ARP-ZZ-NL-DR-EVBD-100082			
Sheet Number	Status	Rev	
12 of 12	S4	P02	