Legend

Red Line Development Boundary

Landtake Boundaries

— Temporary

Habitats

GA2: Amenity grassland (improved)

WL1: Hedgerows

WL2: Treelines

WS1: Scrub and GS2: Dry meadows and grassy verges
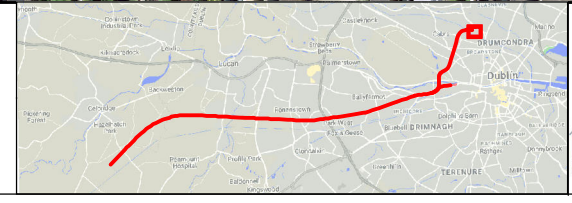
Water features

▶▶▶ FW3: Canals

Royal Canal

Data source: OSi, EPA

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

DART+ South West

NTA Údarás Náisiúnta Iompair / National Transport Authority

Tionscadal Éireann / Project Ireland 2040

Client: **Iarnród Éireann / Irish Rail**

Engineering Designer: **TYPSA** **ATKINS** Member of the SNC-Lavalin Group TUC RAIL

Supported by: **rps**

Date	Scale	Drawn	Checked	Approved
22/02/2023	1:1,800 @A3	NR	HF	MN

Project Code: 5195886

Issuer: TTA

QMS Code:

Project Title: **DART + SOUTH WEST**

Drawing Title: **Habitats and Invasive Alien Plant Species (Map 1 of 44)**

Drawing File Name: **DP-04-23-DWG-EV-TTA-23750**

Version: **v06**

Status: **S3**

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary

Landtake Boundaries
- Temporary

Habitats
- GA2: Amenity grassland (improved)
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub and GS2: Dry meadows and grassy verges

Water features
- FW3: Canals

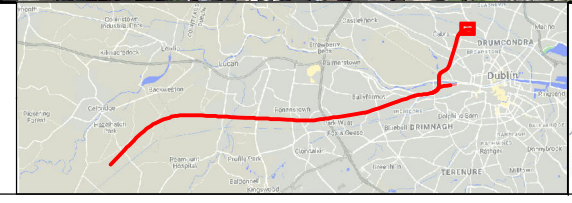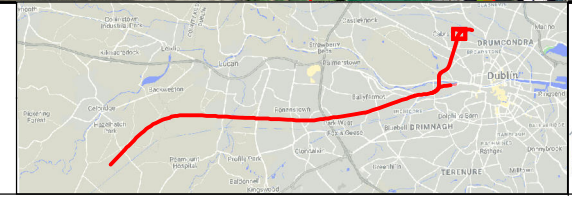**IAPS Locations**
- Himalayan Balsam *Impatiens glandulifera*

Royal Canal

IAPS-3

Data source: OSi, EPA

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: Iarnród Éireann Irish Rail

Engineering Designer: TYPSA ATKINS

Supported by: FPS

Project Title: DART + SOUTH WEST

Drawing Title: Habitats and Invasive Alien Plant Species (Map 2 of 44)

Date	Scale	Drawn	Checked	Approved
22/02/2023	1:1,800 @A3	NR	HF	MN

Project Code	Issuer	QMS Code
5195886	TTA	

Drawing File Name: DP-04-23-DWG-EV-TTA-23750

Version: v06 **Status:** S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary

Habitats

- **GS2: Dry meadows and grassy verges**
- **WL1: Hedgerows**
- **WL2: Treelines**
- **WS1: Scrub**
- **WS1: Scrub and GS2: Dry meadows and grassy verges**

Water features

- **FW3: Canals**

IAPS Locations

- **Himalayan Balsam** *Impatiens glandulifera*

Royal Canal

IAPS-3

Data source OSi, EPA

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

DART + South West

Client: **Iarnród Éireann Irish Rail**

NTA — Gluaiseacht Náisiúnta Iompair / National Transport Authority

Éireann 2040

Engineering Designer: **ATKINS** TYPSA Supported by: **rps**

Project Title: **DART + SOUTH WEST**

Drawing Title: **Habitats and Invasive Alien Plant Species** (Map 3 of 44)

Date	22/02/2023	Scale	1:1,800 @A3	Drawn	NR	Checked	HF	Approved	MN
Project Code	5195886	Issuer	TTA	QMS Code					

Drawing File Name: **DP-04-23-DWG-EV-TTA-23750** | Version **v06** | Status **S3**

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary

Landtake Boundaries
- Temporary

Habitats
- ED3: Recolonising bare ground
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub
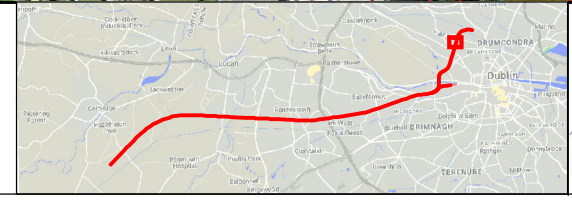- WS1: Scrub and GS2: Dry meadows and grassy verges

Data source: OSI, EPA

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

DART+ South West

Client: Iarnród Éireann Irish Rail

Engineering Designer: TYPSA ATKINS

Supported by: RPS

Project Title: DART + SOUTH WEST

Drawing Title: Habitats and Invasive Alien Plant Species (Map 4 of 44)

Date	Scale	
22/02/2023	1:1,800	@A3

Drawn	Checked	Approved
NR	HF	MN

Project Code: 5195886

Issuer: TTA

QMS Code:

Drawing File Name: DP-04-23-DWG-EV-TTA-23750

Version: v06

Status: S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary (red rectangle outline)

Landtake Boundaries

Temporary (blue line)

Habitats

- ED3: Recolonising bare ground (red)
- WL1: Hedgerows (orange dotted)
- WL2: Treelines (brown)
- WS1: Scrub and GS2: Dry meadows and grassy verges (green hatched)

IAPS Locations

- ● Himalayan Balsam *Impatiens glandulifera*

IAPS-1

Data Source: OSi, EPA

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

DART + South West

NTA — National Transport Authority

Tionscadal Éireann Project Ireland 2040

Client
Iarnród Éireann — Irish Rail

Engineering Designer
TYPSA — ATKINS — TMC RAIL

Supported by: rps

Date	Scale		
22/02/2023	1:1,800	@ A3	
Project Code	**Issuer**		
5195886	TTA		

Drawn	Checked	Approved
NR	HF	MN

QMS Code

Project Title
DART + SOUTH WEST

Drawing Title
Habitats and Invasive Alien Plant Species
(Map 5 of 44)

Drawing File Name
DP-04-23-DWG-EV-TTA-23750

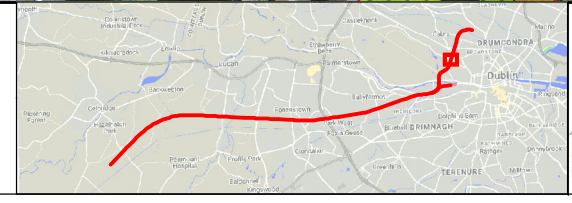| Version	Status
v06	S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary

Habitats

WL1: Hedgerows

WS1: Scrub and GS2: Dry meadows and grassy verges

IAPS Locations

Himalayan Balsam *Impatiens glandulifera*

IAPS-2

Data source: OSI, EPA

DART + South West

NTA Gnóthas Náisiúnta Iompair National Transport Authority

Iompar Éireann 2040

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client

Iarnród Éireann Irish Rail

Engineering Designer

TYPSA ATKINS (Member of the SNC-Lavalin Group) TUC RAIL

Supported by: rps

Date	22/02/2023	Scale	1:1,800	@ A3	Drawn	NR	Checked	HF	Approved	MN
Project Code	5195886	Issuer		TTA	QMS Code					

Project Title

DART + SOUTH WEST

Drawing Title

Habitats and Invasive Alien Plant Species
(Map 6 of 44)

Drawing File Name	DP-04-23-DWG-EV-TTA-23750	Version	v06	Status	S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary

Habitats

EU2: Artificial underground habitats

WL1: Hedgerows

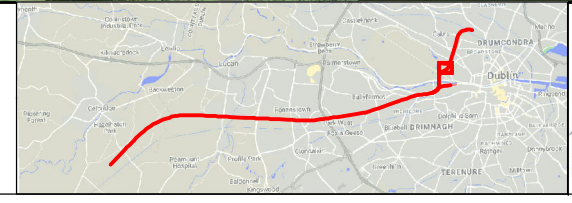**WS1: Scrub and GS2: Dry meadows and grassy verges**

Data source: OSi, EPA

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

DART+ South West

NTA — Údarás Náisiúnta Iompair / National Transport Authority

Transport Project Ireland 2040

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: **TYPSA** **ATKINS** Member of the SNC-Lavalin Group **TUC RAIL**

Supported by: **rps**

Date	**22/02/2023**	Scale	**1:1,800**	@A3	Drawn **NR**	Checked **HF**	Approved **MN**

Project Code **5195886**	Issuer **TTA**	QMS Code

Project Title: **DART + SOUTH WEST**

Drawing Title: **Habitats and Invasive Alien Plant Species (Map 7 of 44)**

Drawing File Name: **DP-04-23-DWG-EV-TTA-23750** | Version **v06** | Status **S3**

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary
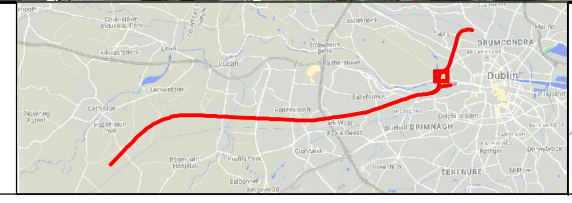
Habitats

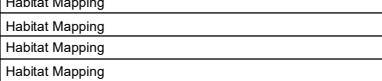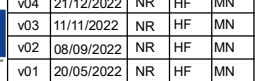EU2: Artificial underground habitats

Data source: OSi, EPA

DART+ South West

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client: **Iarnród Éireann Irish Rail**

Engineering Designer: TYPSA ATKINS TUC RAIL

Supported by: rps

Date	Scale	Drawn	Checked	Approved
22/02/2023	1:1,800 @ A3	NR	HF	MN

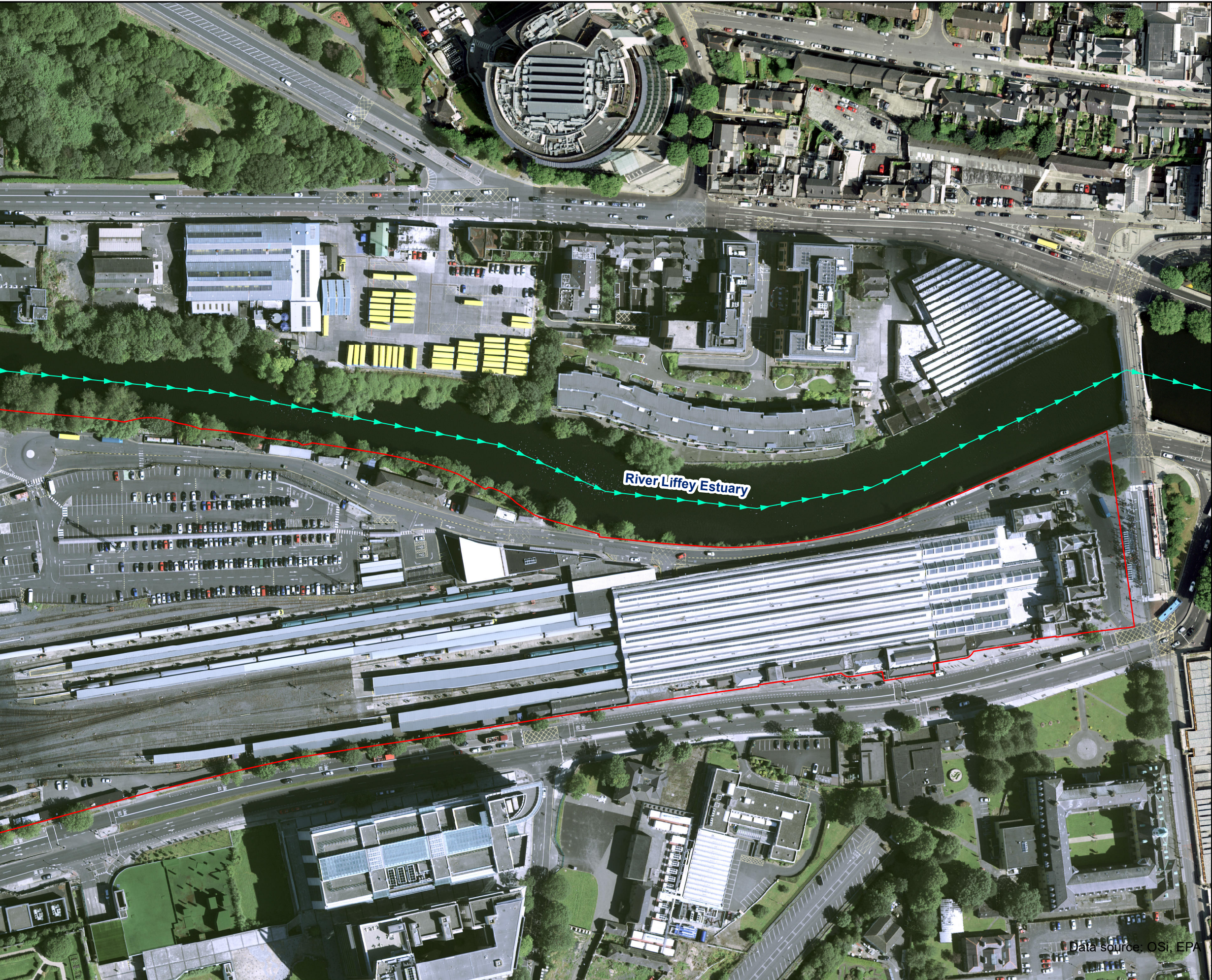| Project Code	Issuer	QMS Code
5195886	TTA	

Project Title: **DART + SOUTH WEST**

Drawing Title: **Habitats and Invasive Alien Plant Species (Map 8 of 44)**

Drawing File Name: **DP-04-23-DWG-EV-TTA-23750**

Version: **v06**

Status: **S3**

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

□ Red Line Development Boundary
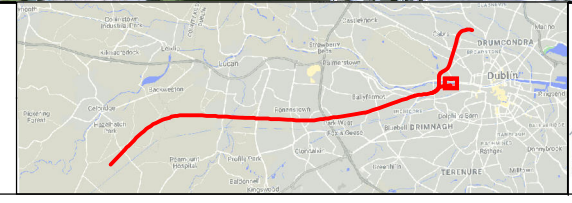
Water features

→ CW2: Tidal rivers

River Liffey Estuary

Data source: OSi, EPA

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

DART+ South West

NTA - Údarás Náisiúnta Iompair - National Transport Authority
Tionscadal Éireann Project Ireland 2040

Client: Iarnród Éireann Irish Rail

Engineering Designer: TYPSA ATKINS Member of the SNC-Lavalin Group TUC RAIL

Supported by: rps

Date	Scale		Drawn	Checked	Approved
22/02/2023	1:1,800	@ A3	NR	HF	MN

Project Code	Issuer	QMS Code
5195886	TTA	

Project Title: DART + SOUTH WEST

Drawing Title: Habitats and Invasive Alien Plant Species (Map 9 of 44)

Drawing File Name: DP-04-23-DWG-EV-TTA-23750 **Version** v06 **Status** S3

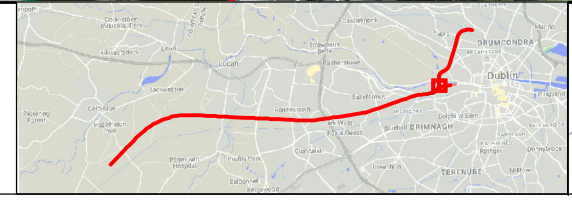DO NOT SCALE USE FIGURED DIMENSIONS ONLY

Legend

Red Line Development Boundary

Landtake Boundaries
- Temporary

Habitats
- ED3: Recolonising bare ground
- GS1: Dry calcareous and neutral grassland
- WL1: Hedgerows
- WS1: Scrub

Water features
- CW2: Tidal rivers

IAPS Locations
- Japanese Knotweed *Reynoutria japonica*

River Liffey Estuary

IAPS-10
IAPS-11
IAPS-12
IAPS-13
IAPS-14
IAPS-4
IAPS-15
IAPS-9
IAPS-6
IAPS-16

Data source: OSi, EPA

DART+ South West

NTA

Iompar Náisiúnta Éireann National Transport Authority

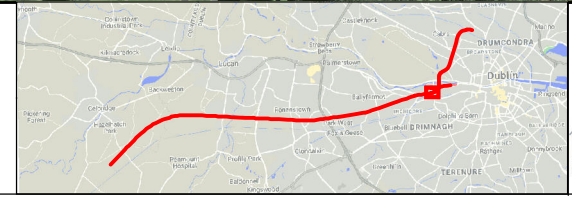Transport Infrastructure Ireland Project Ireland 2040

Legend

Red Line Development Boundary

Landtake Boundaries
— Temporary

Habitats
- ED3: Recolonising bare ground
- GS1: Dry calcareous and neutral grassland
- GS2: Dry meadows and grassy verges
- WL1: Hedgerows
- WL2: Treelines
- WS1: Scrub
- WS1: Scrub and GS2: Dry meadows and grassy verges
- WS2: Immature woodland

IAPS Locations
- Japanese Knotweed *Reynoutria japonica*
- Spanish Bluebell *Hyacinthoides hispanica*
- Three-cornered Leek *Allium triquetrum*

IAPS-6
IAPS-16
IAPS-5
IAPS-17
IAPS-22

Data source: OSI, EPA

DART+ South West

Rev	Date	Drn	Chk'd	App'd	Description
v06	22/02/2023	NR	HF	MN	Habitat Mapping
v05	31/01/2023	NR	HF	MN	Habitat Mapping
v04	21/12/2022	NR	HF	MN	Habitat Mapping
v03	11/11/2022	NR	HF	MN	Habitat Mapping
v02	08/09/2022	NR	HF	MN	Habitat Mapping
v01	20/05/2022	NR	HF	MN	Habitat Mapping

Client
Iarnród Éireann
Irish Rail

Engineering Designer
TYPSA ATKINS TUC RAIL
Supported by: rps

Date	22/02/2023	Scale	1:1,800	@ A3
		Drawn NR	Checked HF	Approved MN
Project Code 5195886	Issuer TTA	QMS Code		

Project Title
DART + SOUTH WEST

Drawing Title
Habitats and Invasive Alien Plant Species
(Map 11 of 44)

Drawing File Name
DP-04-23-DWG-EV-TTA-23750

Version v06
Status S3

DO NOT SCALE USE FIGURED DIMENSIONS ONLY