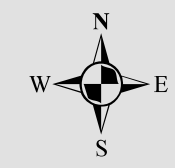


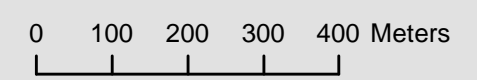
## **Appendix 8.3    Habitats Maps**



- Legend**
- Substation Sites
  - Dunstown-Moneypoint-Coolnabackey 400kV Structures
  - Ballyragget-Kilkenny 110kV Structures
  - Ballyragget Coolnabackey 110kV Structures
  - Athy Portlaoise 110 kV Structures
  - AllLines
  - Substation Site
  - - - 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- ▨ (Mixed) broadleaved woodland (WD1)
  - ▨ Conifer plantation (WD4)
  - ▨ Dry meadows and grassy verges (GS2)
  - ▨ Immature woodland (WS2)
  - ▨ Improved grassland / wet grassland mosaic (GA1 / GS4)
  - ▨ Oak-ash-hazel woodland (WN2)
  - ▨ Scrub (WS1)
  - ▨ Wet grassland (GS4)



Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012

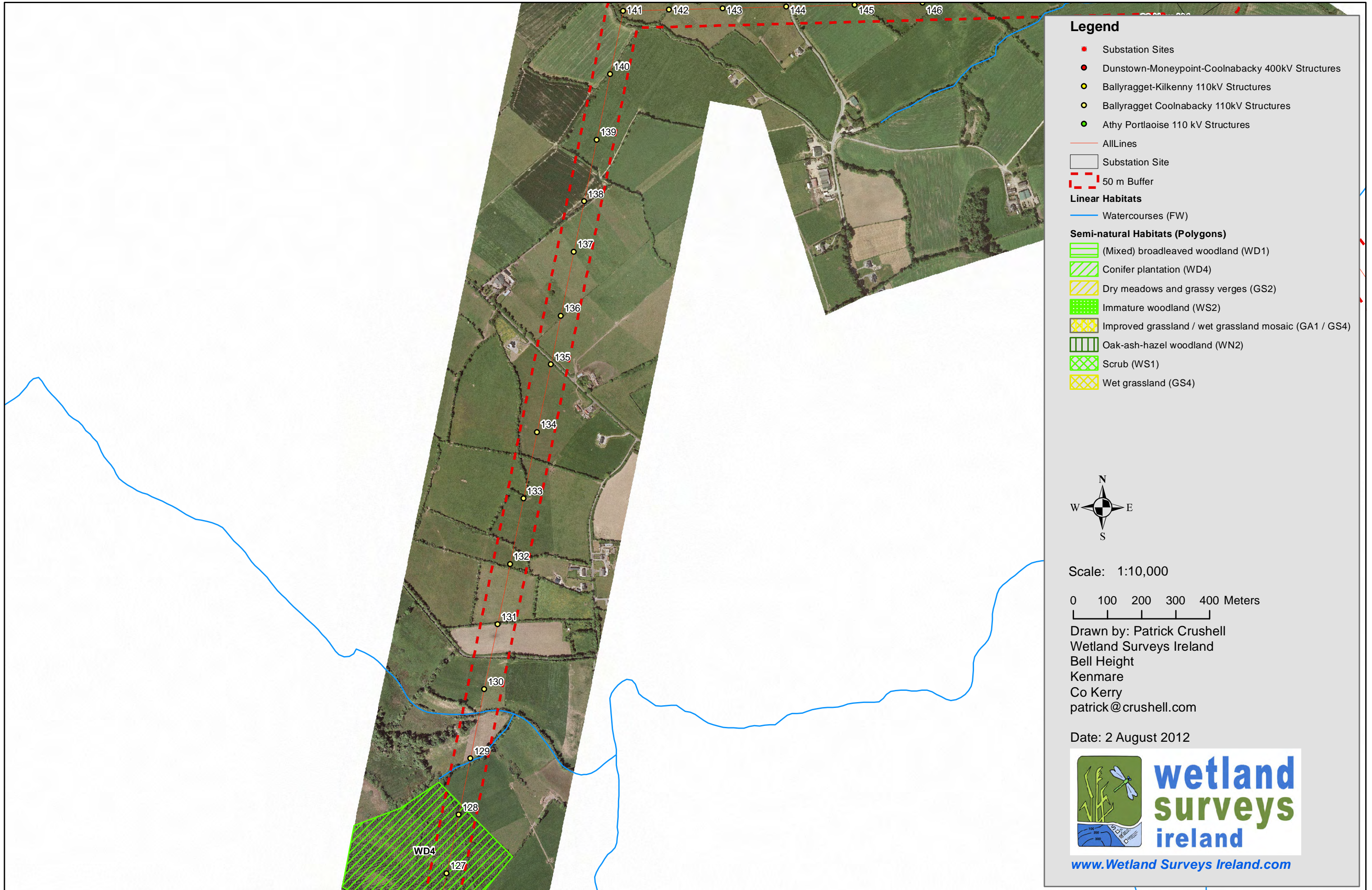
**wetland surveys ireland**  
[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

251000

252000

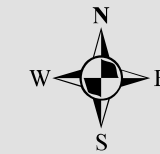
253000

254000

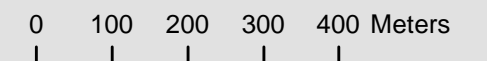


### Legend

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- (Mixed) broadleaved woodland (WD1)
- Conifer plantation (WD4)
- Dry meadows and grassy verges (GS2)
- Immature woodland (WS2)
- Improved grassland / wet grassland mosaic (GA1 / GS4)
- Oak-ash-hazel woodland (WN2)
- Scrub (WS1)
- Wet grassland (GS4)



Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012

**wetland  
surveys  
ireland**

[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

192000

191000

250000

251000

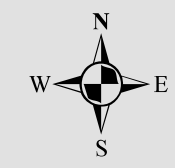
252000

253000

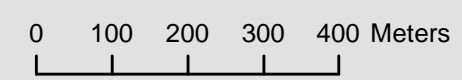


**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- ▭ 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- ▭ (Mixed) broadleaved woodland (WD1)
- ▭ Conifer plantation (WD4)
- ▭ Dry meadows and grassy verges (GS2)
- ▭ Immature woodland (WS2)
- ▭ Improved grassland / wet grassland mosaic (GA1 / GS4)
- ▭ Oak-ash-hazel woodland (WN2)
- ▭ Scrub (WS1)
- ▭ Wet grassland (GS4)



Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012

**wetland surveys ireland**  
[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

191000

190000

189000

250000

251000

252000

253000

189000

188000

187000



**Legend**

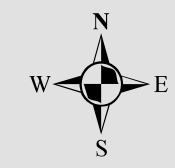
- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- ▭ 50 m Buffer

**Linear Habitats**

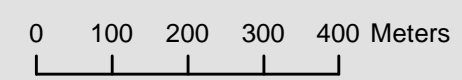
- Watercourses (FW)

**Semi-natural Habitats (Polygons)**

- ▨ (Mixed) broadleaved woodland (WD1)
- ▨ Conifer plantation (WD4)
- ▨ Dry meadows and grassy verges (GS2)
- ▨ Immature woodland (WS2)
- ▨ Improved grassland / wet grassland mosaic (GA1 / GS4)
- ▨ Oak-ash-hazel woodland (WN2)
- ▨ Scrub (WS1)
- ▨ Wet grassland (GS4)



Scale: 1:10,000

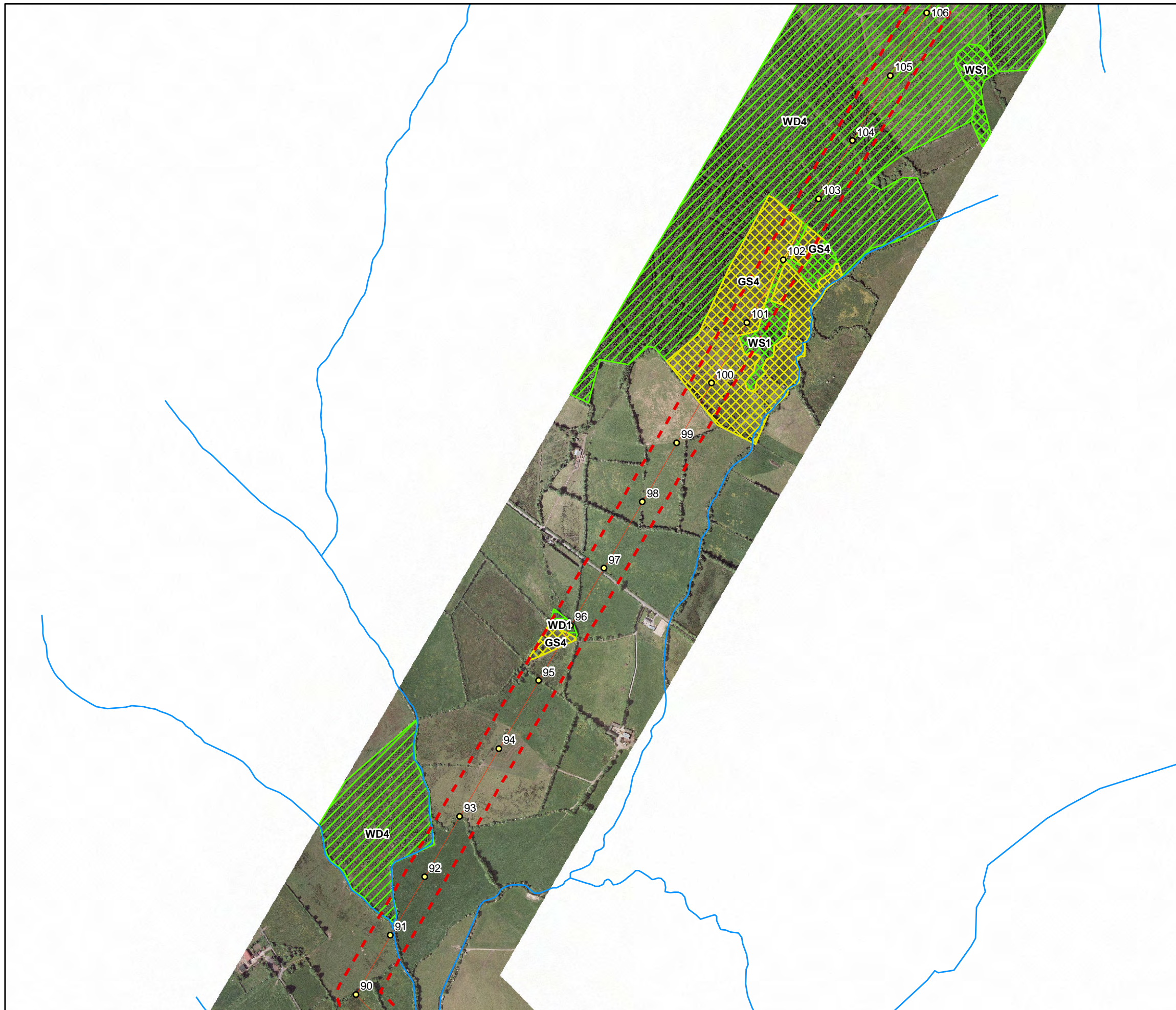


Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

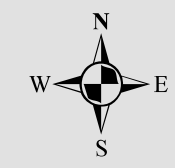
Date: 2 August 2012



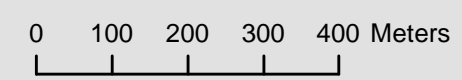
[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)



- Legend**
- Substation Sites
  - Dunstown-Moneypoint-Coolnabacky 400kV Structures
  - Ballyragget-Kilkenny 110kV Structures
  - Ballyragget Coolnabacky 110kV Structures
  - Athy Portlaoise 110 kV Structures
  - AllLines
  - Substation Site
  - ▭ 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- ▨ (Mixed) broadleaved woodland (WD1)
  - ▨ Conifer plantation (WD4)
  - ▨ Dry meadows and grassy verges (GS2)
  - ▨ Immature woodland (WS2)
  - ▨ Improved grassland / wet grassland mosaic (GA1 / GS4)
  - ▨ Oak-ash-hazel woodland (WN2)
  - ▨ Scrub (WS1)
  - ▨ Wet grassland (GS4)



Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012



[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)



**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- ⊞ 50 m Buffer

**Linear Habitats**

- Watercourses (FW)

**Semi-natural Habitats (Polygons)**

- ▨ (Mixed) broadleaved woodland (WD1)
- ▨ Conifer plantation (WD4)
- ▨ Dry meadows and grassy verges (GS2)
- ▨ Immature woodland (WS2)
- ▨ Improved grassland / wet grassland mosaic (GA1 / GS4)
- ▨ Oak-ash-hazel woodland (WN2)
- ▨ Scrub (WS1)
- ▨ Wet grassland (GS4)

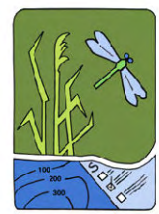
N  
W — E  
S

Scale: 1:10,000

0 100 200 300 400 Meters

Drawn by: Patrick Crushell  
Wetland Surveys Ireland  
Bell Height  
Kenmare  
Co Kerry  
patrick@crushell.com

Date: 2 August 2012



**wetland surveys ireland**

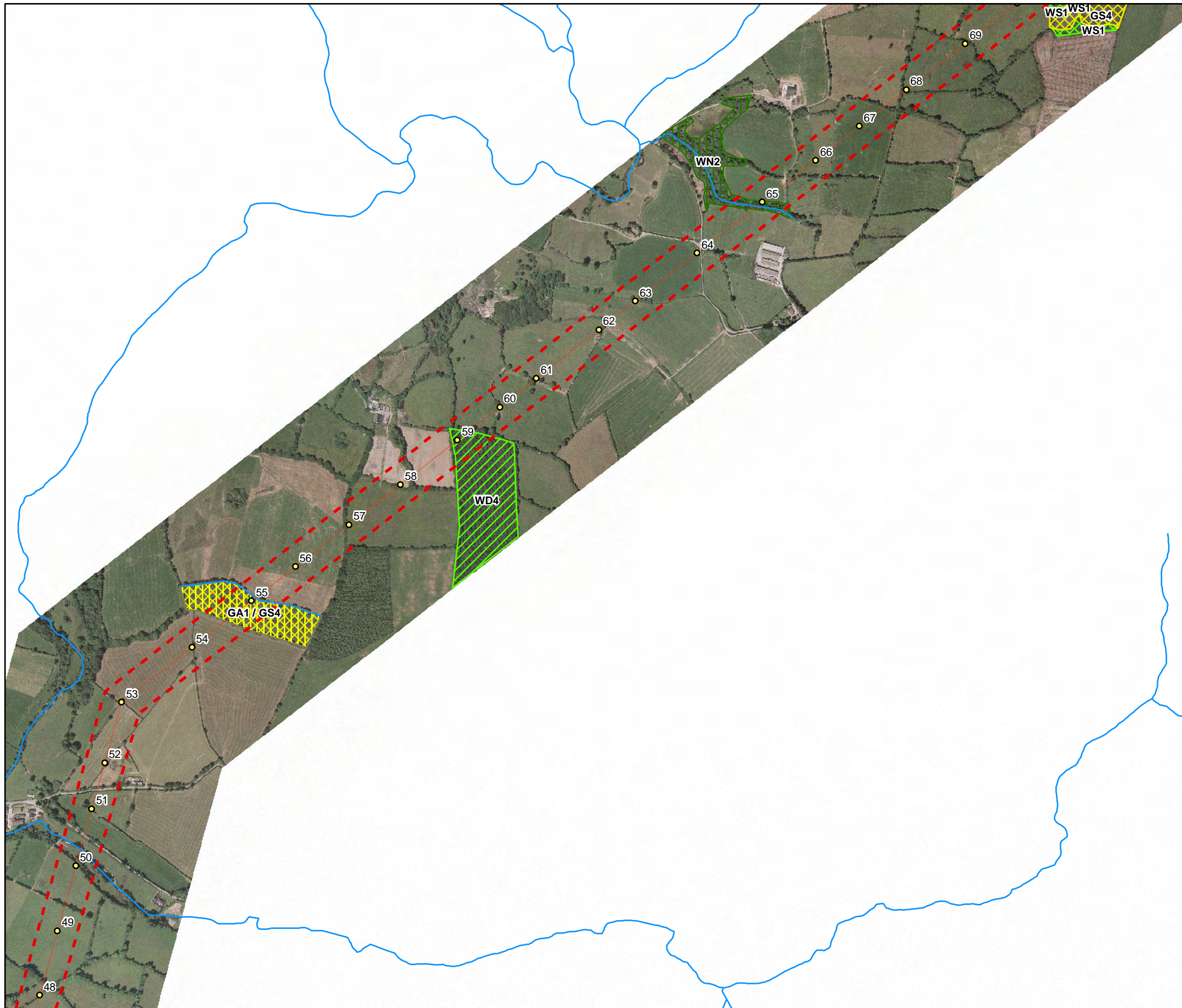
[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

248000

249000

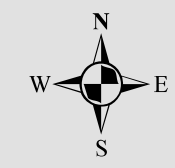
250000

251000

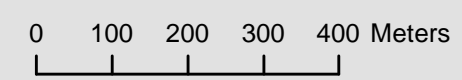


### Legend

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- (Mixed) broadleaved woodland (WD1)
- Conifer plantation (WD4)
- Dry meadows and grassy verges (GS2)
- Immature woodland (WS2)
- Improved grassland / wet grassland mosaic (GA1 / GS4)
- Oak-ash-hazel woodland (WN2)
- Scrub (WS1)
- Wet grassland (GS4)



Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012



[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

181000

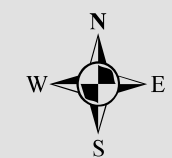
180000



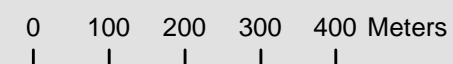


**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- (Mixed) broadleaved woodland (WD1)
- Conifer plantation (WD4)
- Dry meadows and grassy verges (GS2)
- Immature woodland (WS2)
- Improved grassland / wet grassland mosaic (GA1 / GS4)
- Oak-ash-hazel woodland (WN2)
- Scrub (WS1)
- Wet grassland (GS4)



Scale: 1:10,000

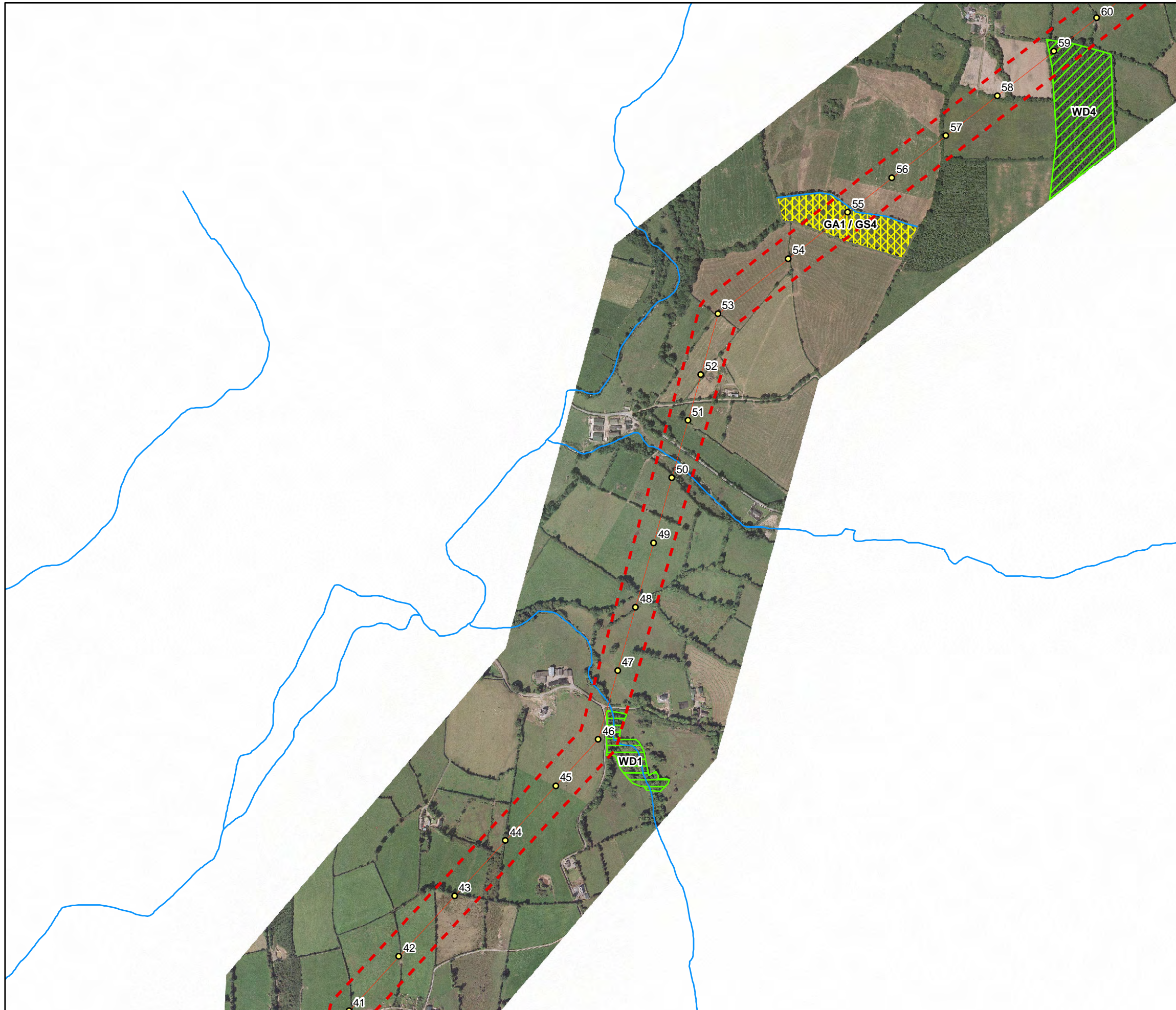


Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012

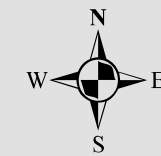


[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

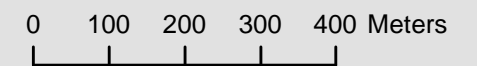


**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- (Mixed) broadleaved woodland (WD1)
- Conifer plantation (WD4)
- Dry meadows and grassy verges (GS2)
- Immature woodland (WS2)
- Improved grassland / wet grassland mosaic (GA1 / GS4)
- Oak-ash-hazel woodland (WN2)
- Scrub (WS1)
- Wet grassland (GS4)



Scale: 1:10,000

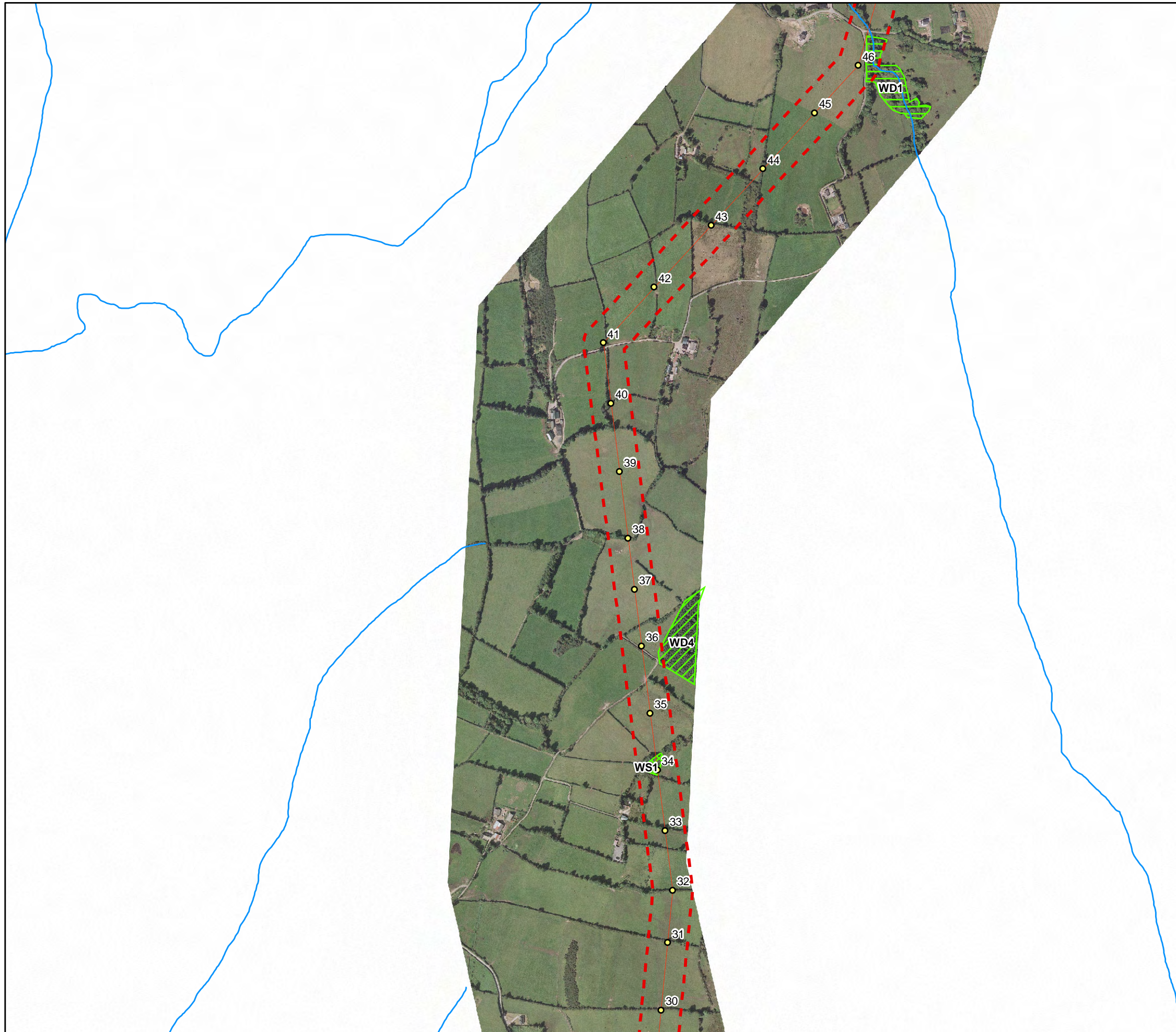


Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012

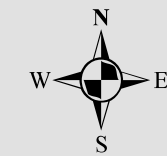


[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

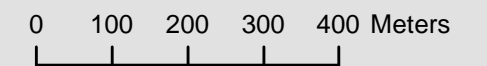


**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- ▭ 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- ▭ (Mixed) broadleaved woodland (WD1)
- ▭ Conifer plantation (WD4)
- ▭ Dry meadows and grassy verges (GS2)
- ▭ Immature woodland (WS2)
- ▭ Improved grassland / wet grassland mosaic (GA1 / GS4)
- ▭ Oak-ash-hazel woodland (WN2)
- ▭ Scrub (WS1)
- ▭ Wet grassland (GS4)



Scale: 1:10,000

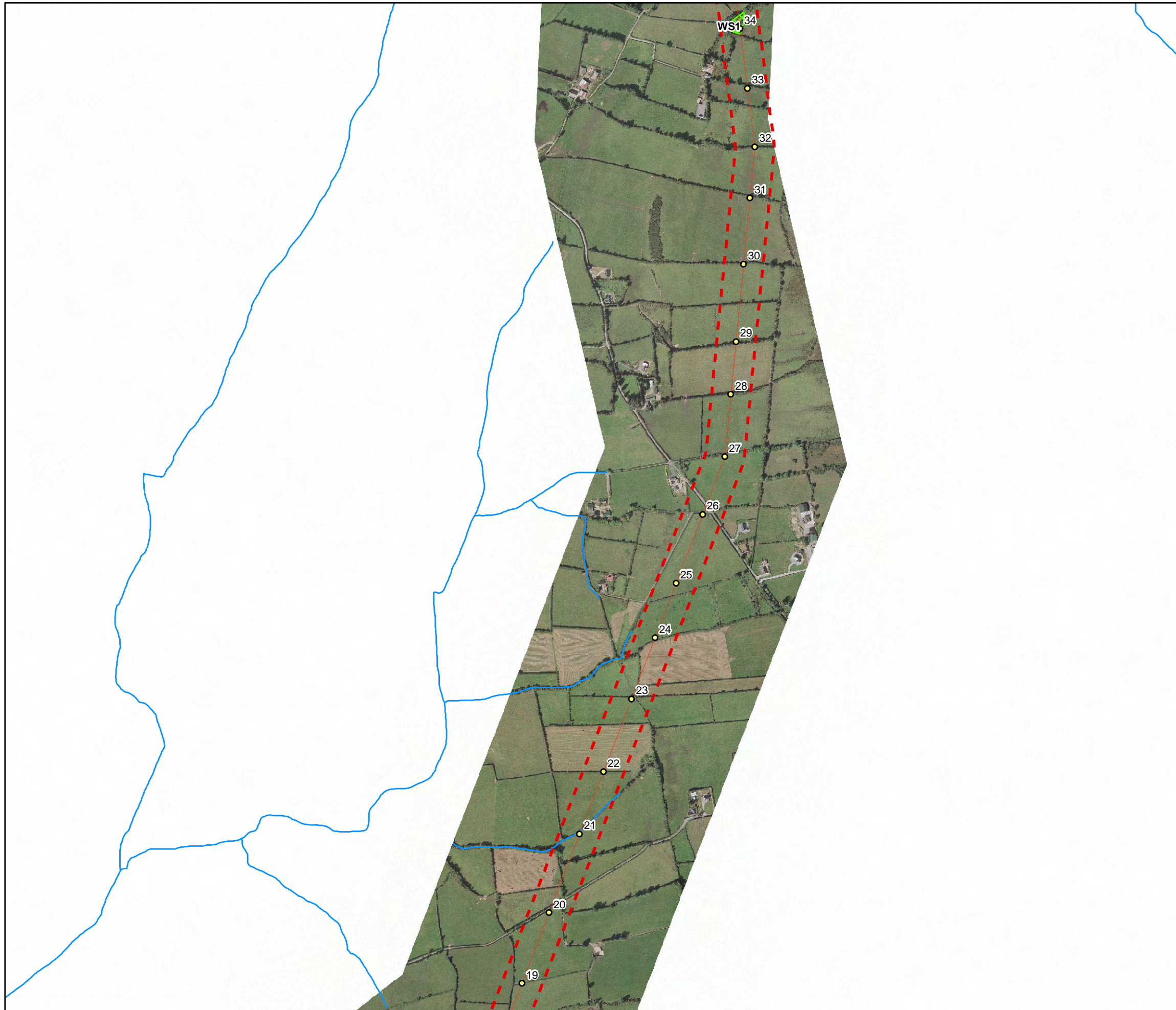


Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012

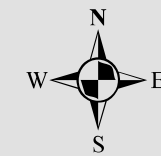


[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)



**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- (Mixed) broadleaved woodland (WD1)
- Conifer plantation (WD4)
- Dry meadows and grassy verges (GS2)
- Immature woodland (WS2)
- Improved grassland / wet grassland mosaic (GA1 / GS4)
- Oak-ash-hazel woodland (WN2)
- Scrub (WS1)
- Wet grassland (GS4)



Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012

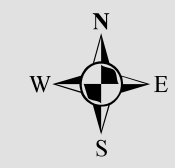


[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

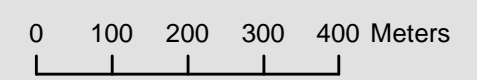


**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- (Mixed) broadleaved woodland (WD1)
- Conifer plantation (WD4)
- Dry meadows and grassy verges (GS2)
- Immature woodland (WS2)
- Improved grassland / wet grassland mosaic (GA1 / GS4)
- Oak-ash-hazel woodland (WN2)
- Scrub (WS1)
- Wet grassland (GS4)

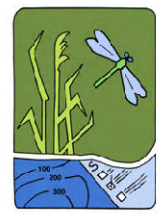


Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012



**wetland  
surveys  
ireland**

[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)

244000

245000

246000

247000

174000

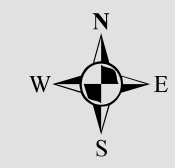
173000

172000

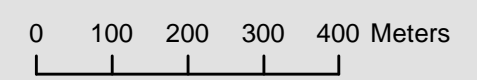


**Legend**

- Substation Sites
- Dunstown-Moneypoint-Coolnabacky 400kV Structures
- Ballyragget-Kilkenny 110kV Structures
- Ballyragget Coolnabacky 110kV Structures
- Athy Portlaoise 110 kV Structures
- AllLines
- Substation Site
- 50 m Buffer
- Linear Habitats**
- Watercourses (FW)
- Semi-natural Habitats (Polygons)**
- (Mixed) broadleaved woodland (WD1)
- Conifer plantation (WD4)
- Dry meadows and grassy verges (GS2)
- Immature woodland (WS2)
- Improved grassland / wet grassland mosaic (GA1 / GS4)
- Oak-ash-hazel woodland (WN2)
- Scrub (WS1)
- Wet grassland (GS4)



Scale: 1:10,000



Drawn by: Patrick Crushell  
 Wetland Surveys Ireland  
 Bell Height  
 Kenmare  
 Co Kerry  
 patrick@crushell.com

Date: 2 August 2012



[www.Wetland Surveys Ireland.com](http://www.Wetland Surveys Ireland.com)