

Legend

- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Substation Location
- Proposed Compound Location
- ▲ Proposed Met Mast Location
- Indicative Access Tracks
- MV Cable Route (External to Cluster)
- MV Cable Route (Internal to Cluster)
- Irish Grid Connection Points
- HV Cable Route
- 500m Survey Envelope

Breeding Wader Locations (Number of Observations)

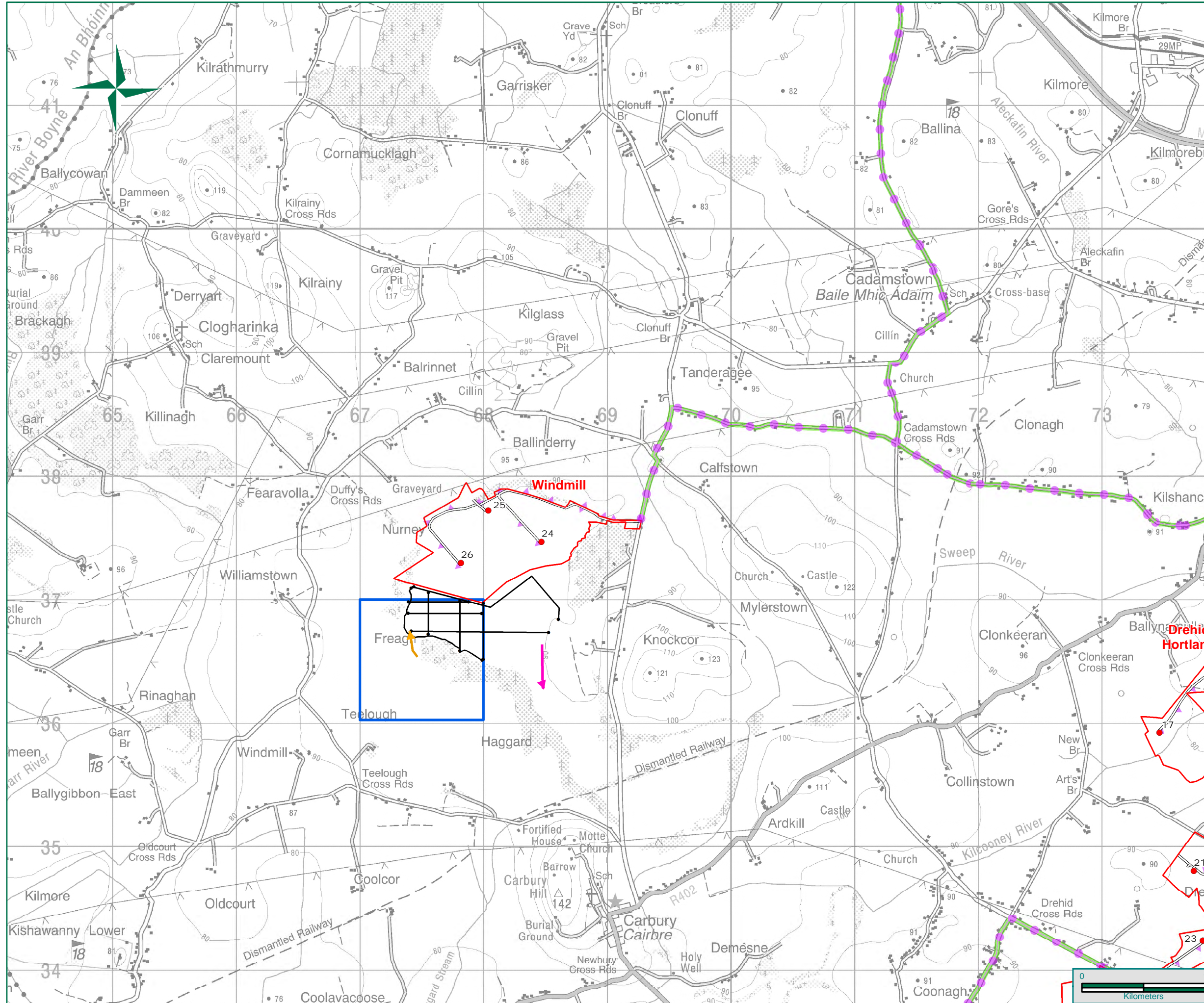
- Lapwing L. (0)
- Snipe SN (0)
- Woodcock WK (2)

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Breeding Wader Results Windmill Submap 2 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.14.3	Rev A

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Legend

- Turbine Locations
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Locations
- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- ▲— MV Cable Route (Internal to Cluster)
- ▲— MV Cable Route (External to Cluster)
- Irish Grid Connection Points
- HV Cable Route

Additional Sightings (Number of Observations)

- Mallard (0)
- Raven (0)
- Buzzard (1)
- Hen Harrier (0)
- Kestrel (1)
- Snipe (0)
- Sparrowhawk (0)
- Woodcock (0)

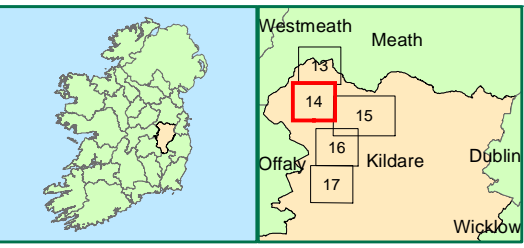
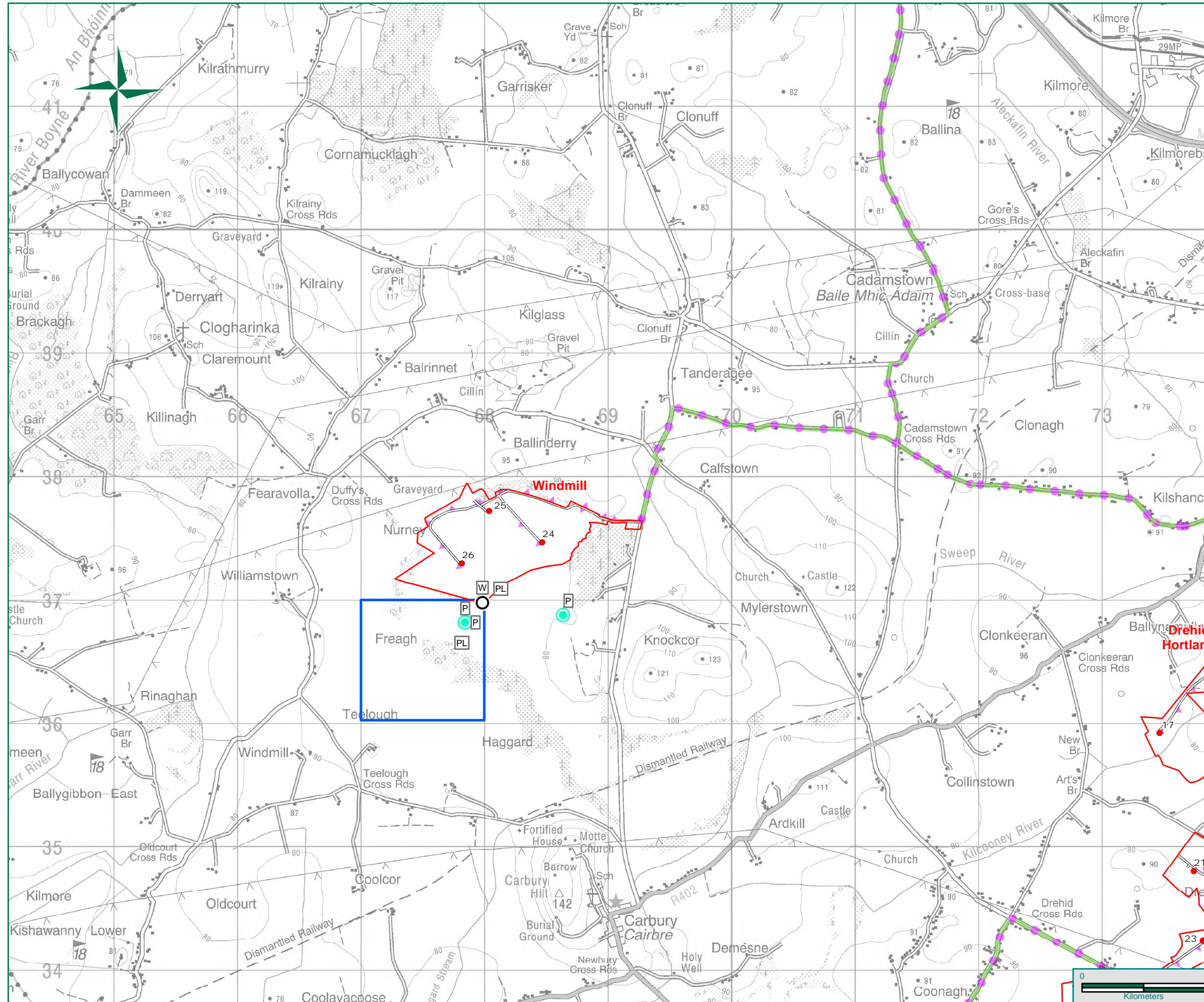
- Merlin 1km Survey Square
- Merlin Transects

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Merlin Transects and Additional Sightings Windmill Submap 2 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.14.4	Rev A

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Legend

- Turbine Location
- ▭ Wind Farm Cluster Boundary
- ▭ Proposed Substation Location
- ▭ Proposed Borrow Pit Location
- ▭ Proposed Compound Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- MV Cable Route (External to Cluster)
- MV Cable Route (Internal to Cluster)
- Irish Grid Connection Point
- HV Cable Route
- ▭ Merlin 1km Survey Square

Merlin Survey Results (Number of Observations)

- MW: Moth Wing (0)
- P: Pellets (3)
- PI: Plucked Item (0)
- PPI: Pellets + Plucked Item (0)
- W: Whitewash (1)
- O: Other (0)

Date 26/03/2015

Name Of Client
Element Power Ireland

Name Of Job
Maighne Wind Farm

Title Of Figure
Merlin Results
Windmill Submap 2 of 5

Scale Used 1:30,000 @ A3

Figure No. 7.14.5 Rev A

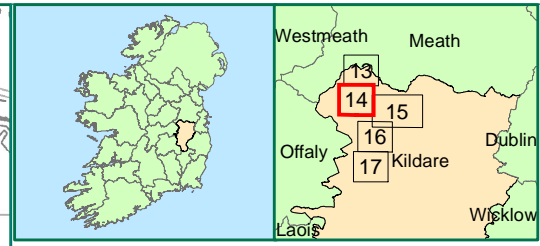
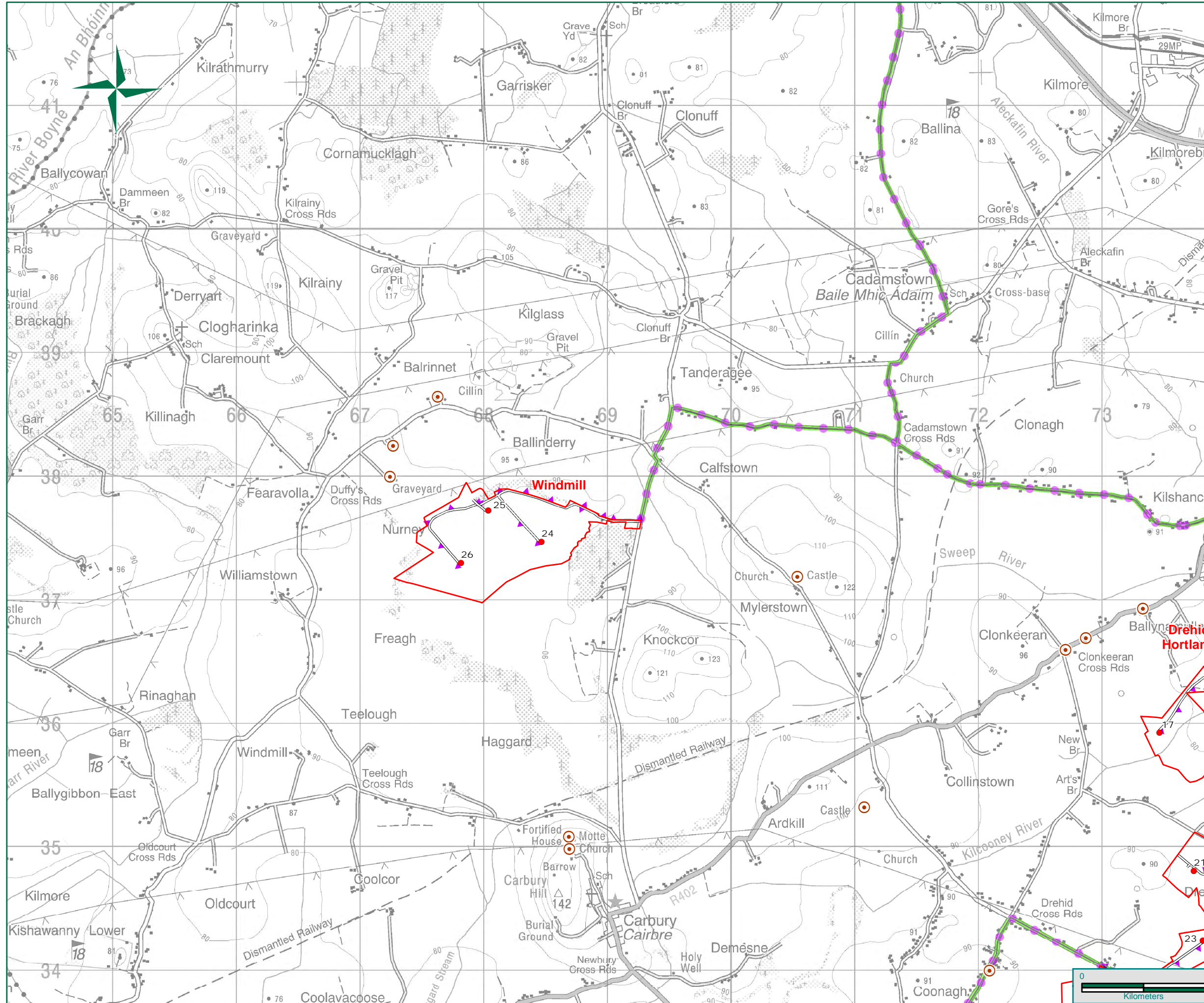
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Legend

- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- ▲— MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- Irish Grid Connection Point
- HV Cable Route

Barn Owl Survey Location (Number of Observations)

- Barn Owl Survey Location (Number of Observations) (11)

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Barn Owl Results Windmill Submap 2 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.14.6	Rev A

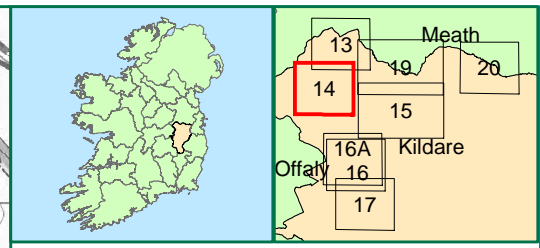
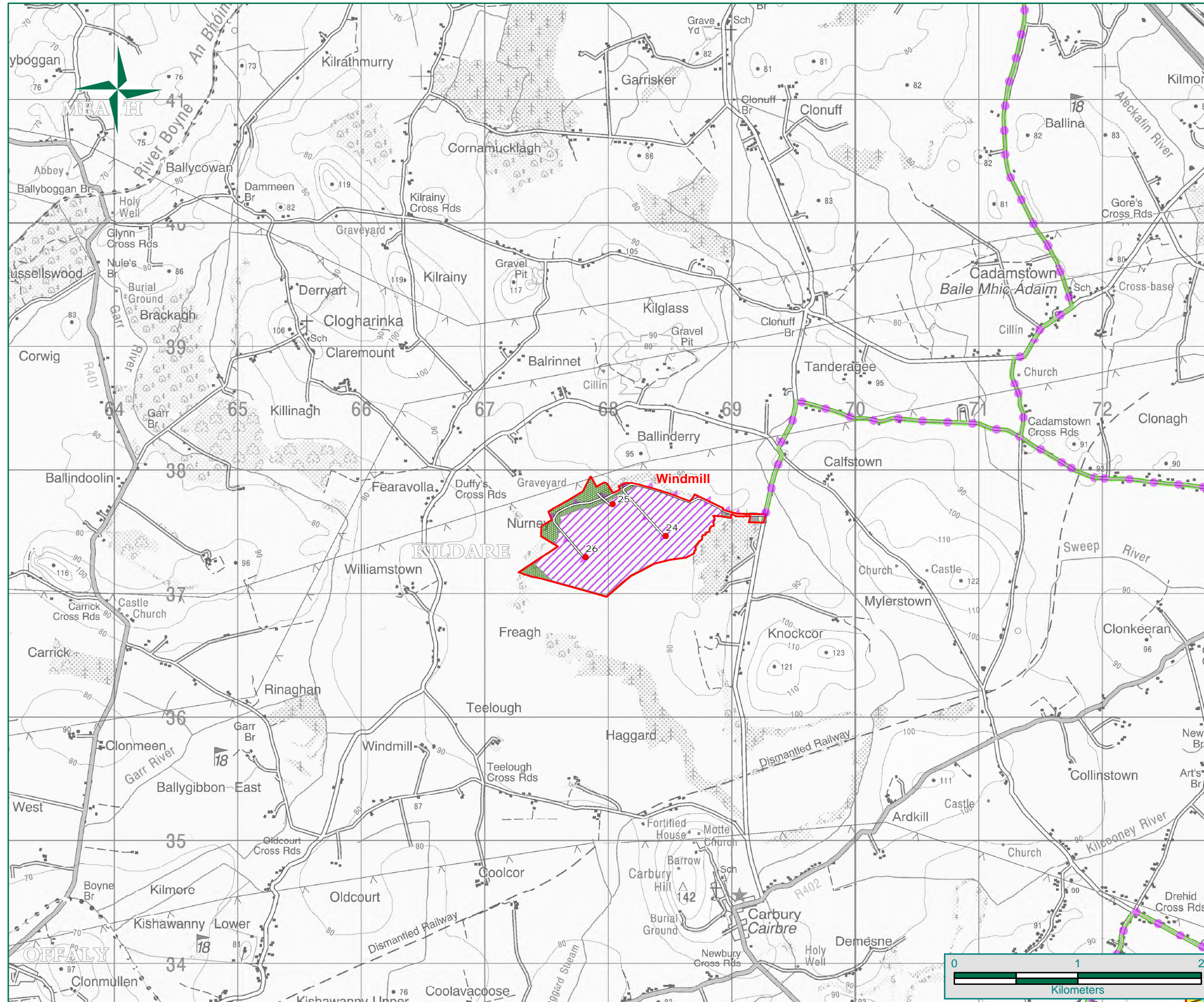
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Legend

- Turbine Location
- ▭ Wind Farm Cluster Boundary
- ▭ Proposed Compound Location
- ▭ Proposed Borrow Pit Location
- ▭ Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- HV Cable Route
- Irish Grid Connection Points

Habitat Survey

- BL3: Buildings and artificial surfaces
- GA1: Improved agricultural grassland
- PB1: Raised bog
- PB4: Cutover bog
- WD4: Conifer plantation
- WN7: Bog woodland
- WS1: Scrub
- FW2 : Depositing/lowland rivers
- WL1: Hedgerows
- WL2: Treelines

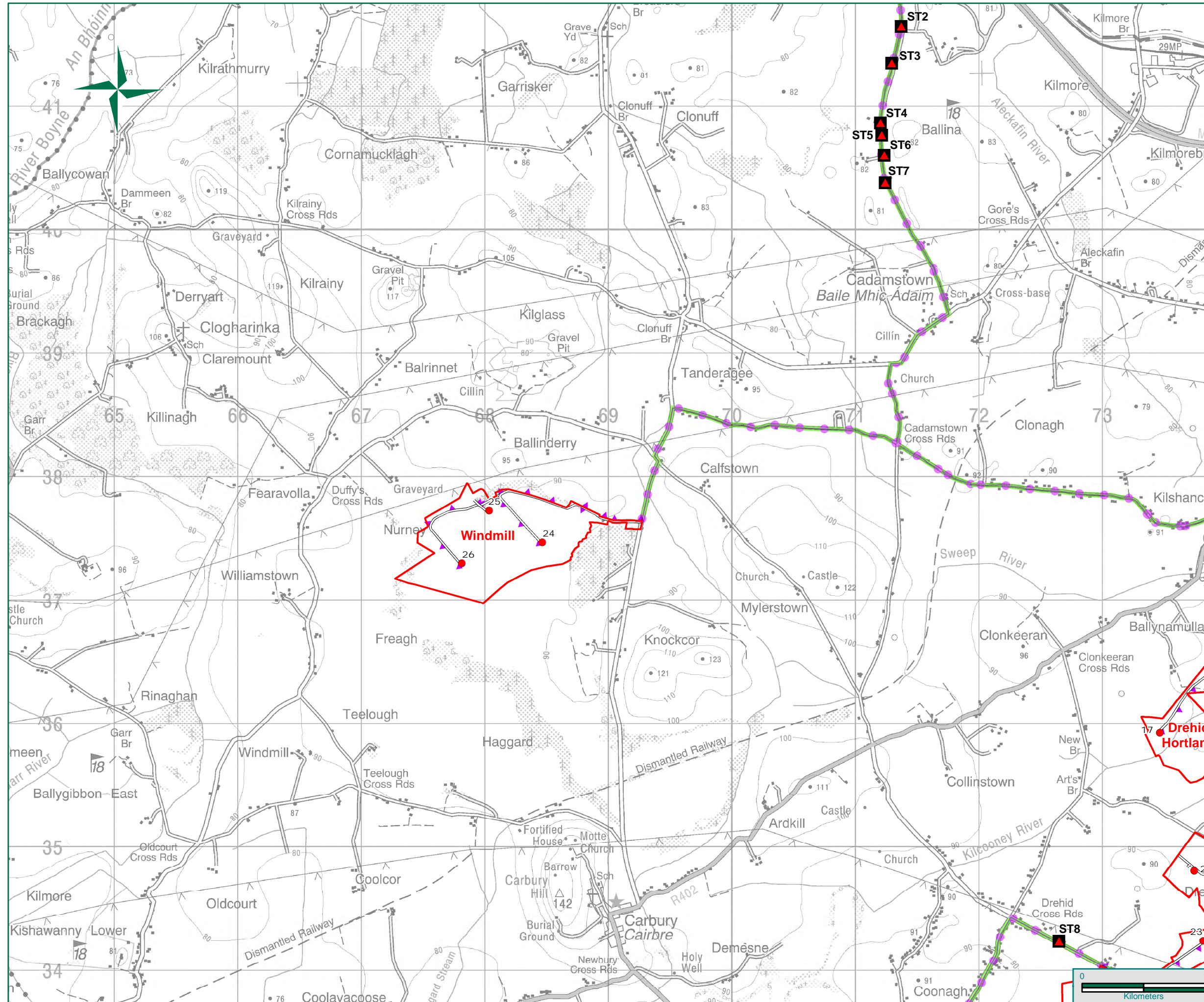
Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Habitat Map Windmill Submap 2 of 8	
Scale Used	1:30,000 @ A3	
Figure No.	7.14.7	Rev A

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Legend

- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- MV Cable Route (External to Cluster)
- MV Cable Route (Internal to Cluster)
- Irish Grid Connection Point
- HV Cable Route

Structures

- ▲ No Otter Presence
- ▲ Possible Otter Presence
- ▲ Confirmed Otter Presence

Date	27/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Structures Windmill Submap 2 of 9	
Scale Used	1:30,000 @ A3	
Figure No.	7.14.8	Rev A

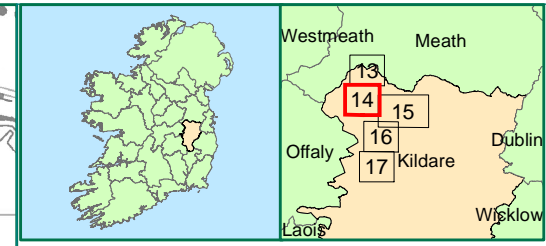
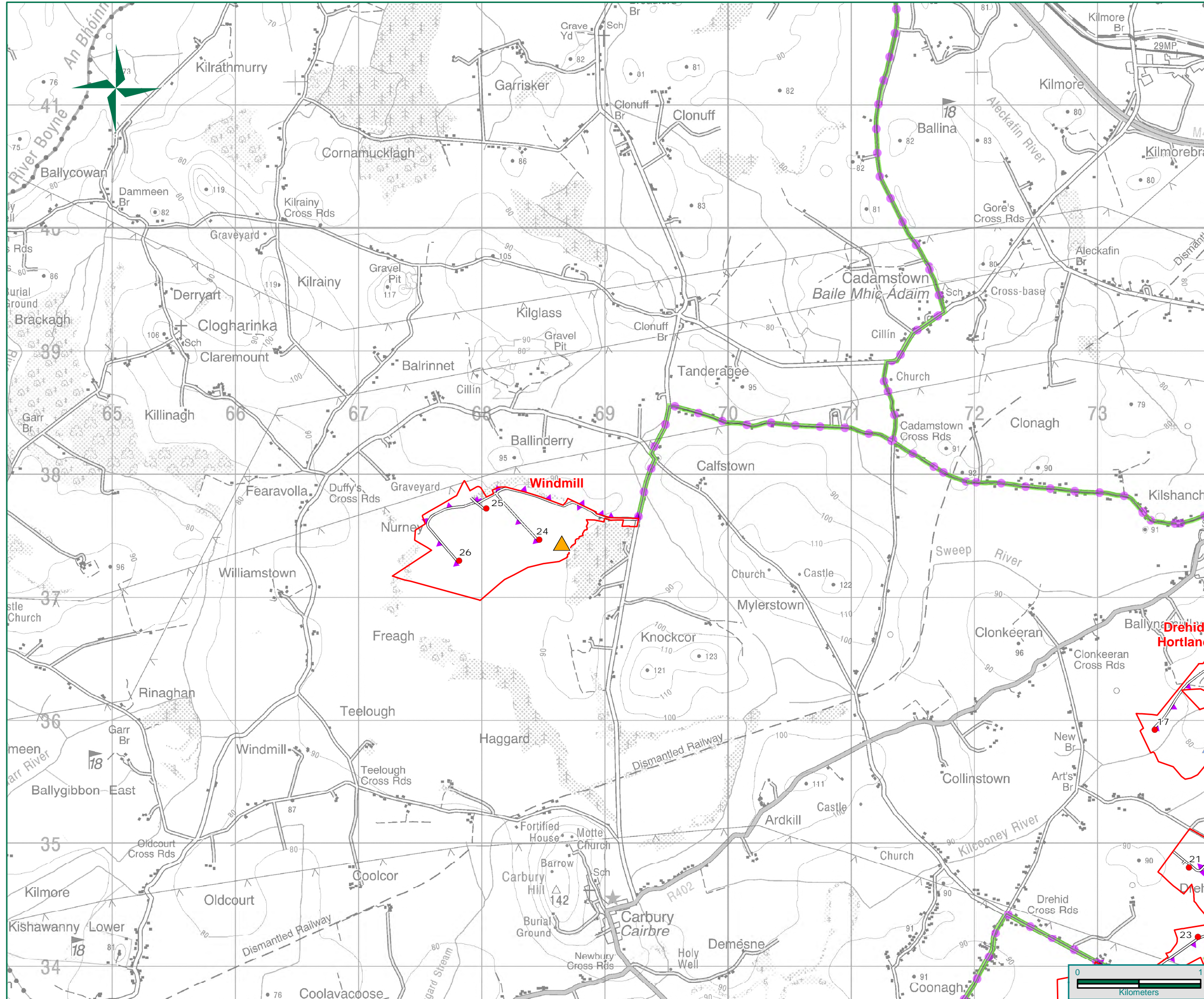
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Legend

- Turbine Location
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- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- ▲— MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- Irish Grid Connection Point
- HV Cable Route

Mammal Sightings (Number of Observations)

- ▲ Badger (1)
- ▲ Otter (0)

Date: 27/03/2015

Name Of Client
Element Power Ireland

Name Of Job
Maighne Wind Farm

Title Of Figure
**Mammal Sightings
 Windmill Submap 2 of 5**

Scale Used: 1:30,000 @ A3

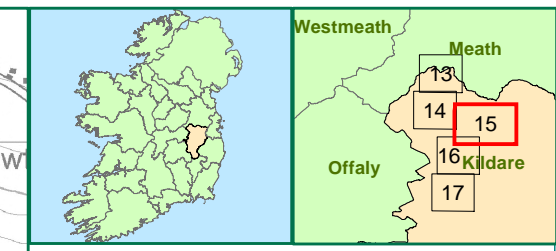
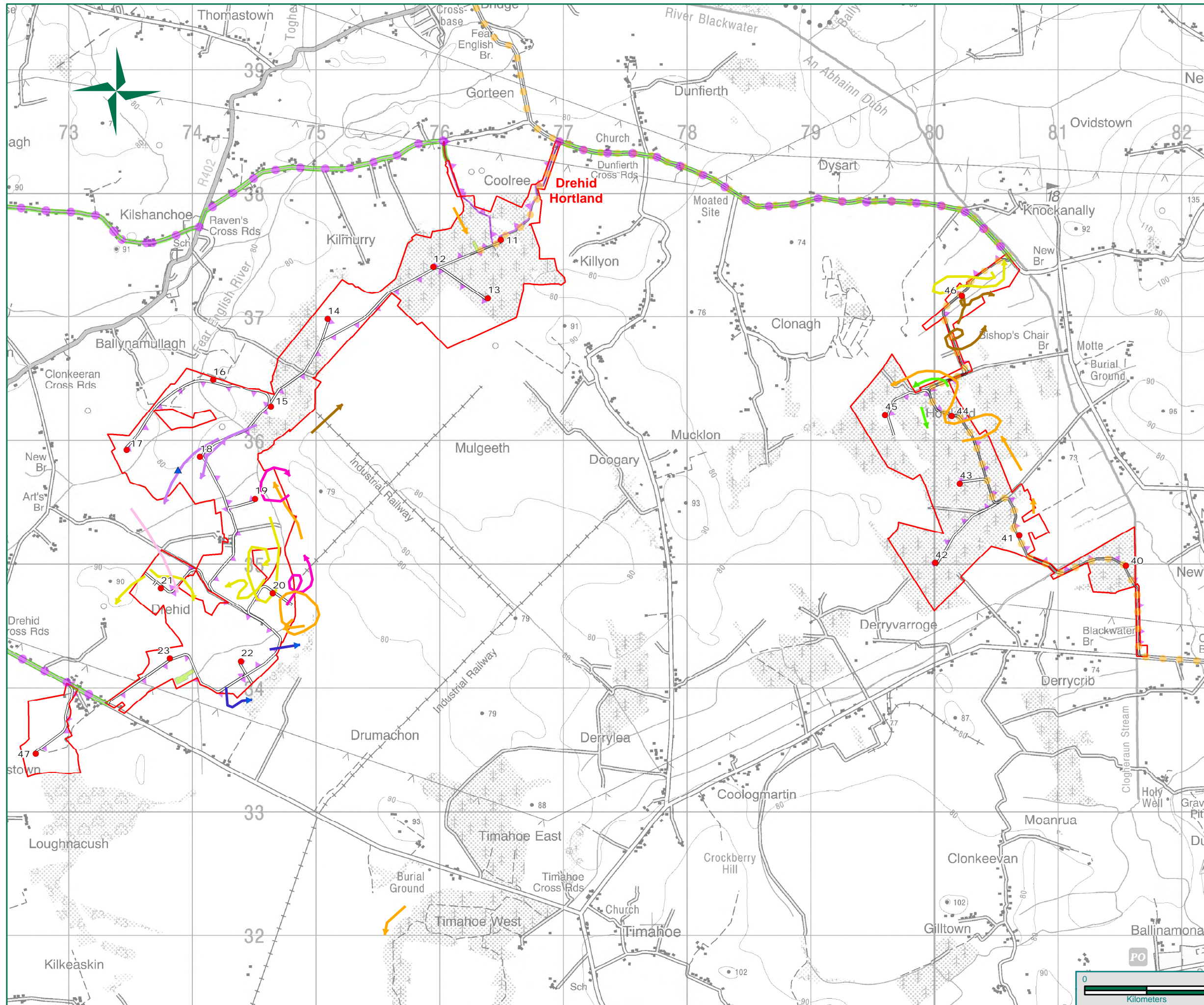
Figure No. 7.14.9 Rev A

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Legend

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- MV Cable Route (External to Cluster)
- HV Cable Route
- Irish Grid Connection Point

MB&S Flightlines of Note

- Mute Swan
- Buzzard
- Golden Plover
- Kestrel
- Lapwing
- Snipe
- Sparrowhawk
- Whooper Swan

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Modified Brown and Shepherd (B&S) Flightlines of Note Drehid Hortland Submap 3 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.15.0	Rev A

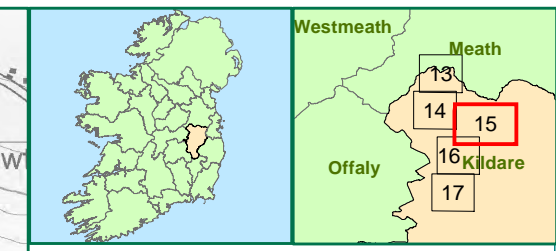
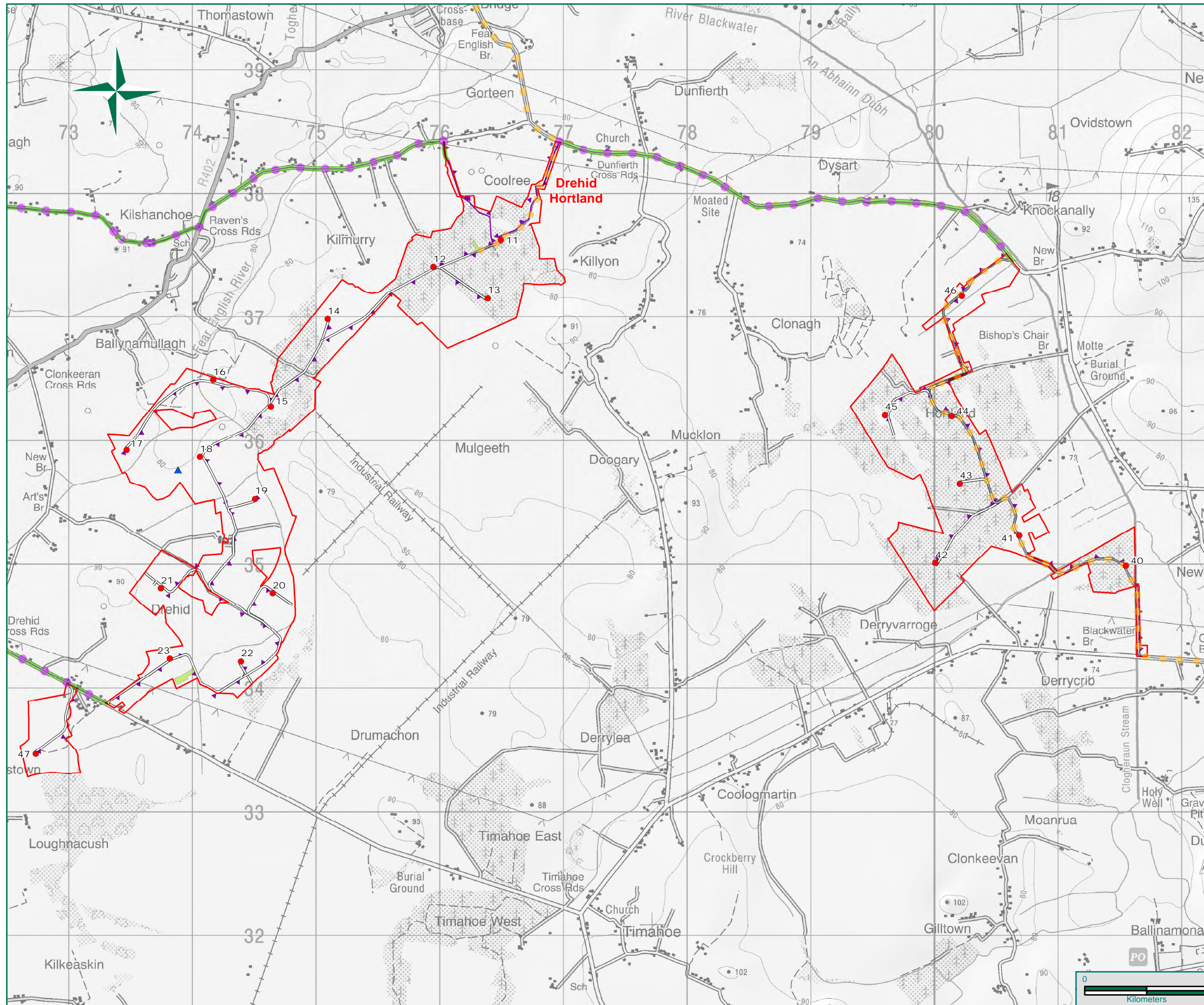
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Legend

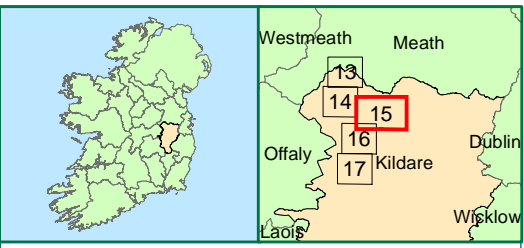
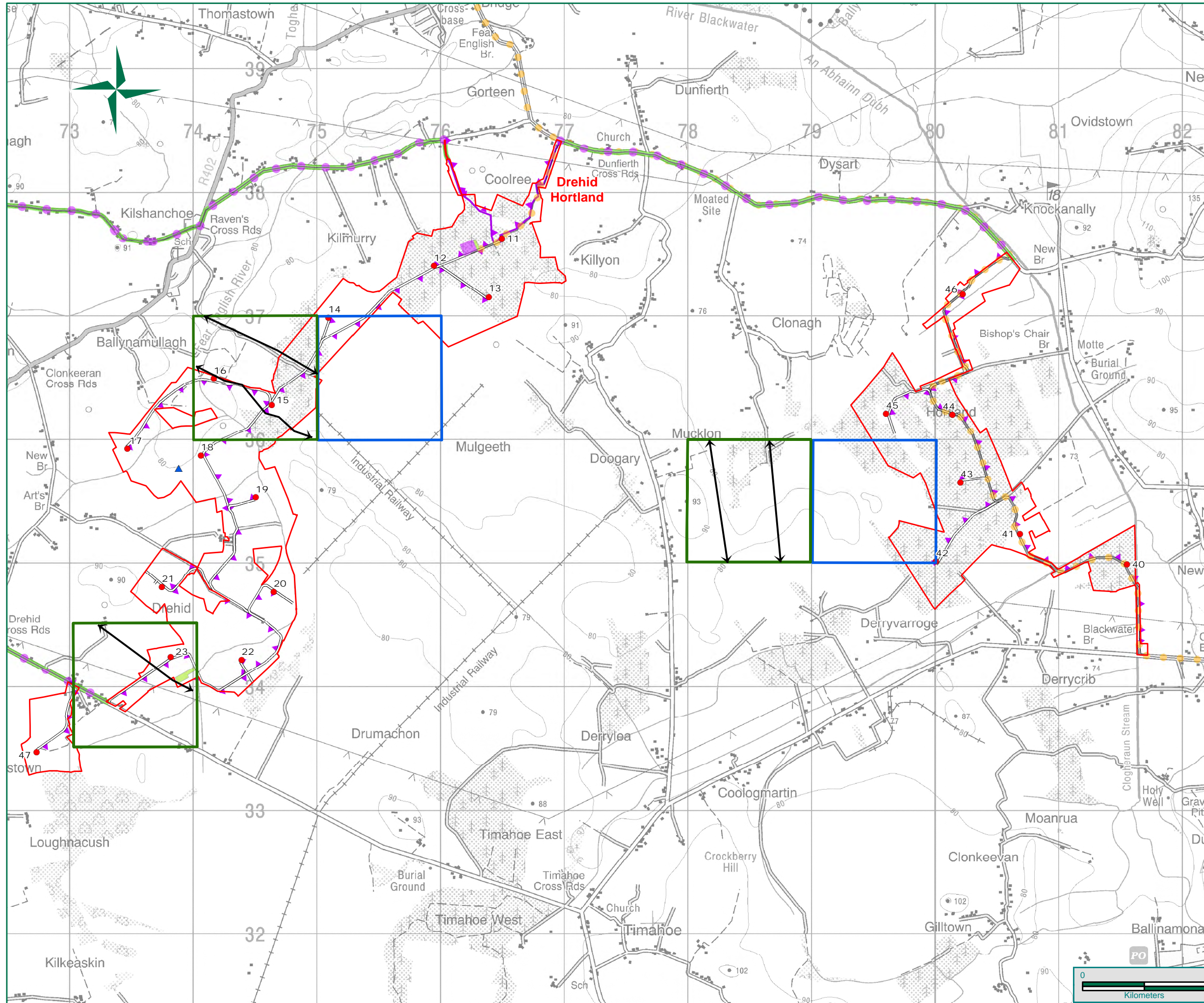
- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- ▲ MV Cable Route (Internal to Clusters)
- MV Cable Route (External to Clusters)
- HV Cable Route
- Irish Grid Connection Point

Whooper Swan Flightline (Number of Observations)

- (0)

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Whooper Swan Cumulative Flightlines Drehid Hortland Submap 3 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.15.1	Rev A

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Legend

- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- ▲—▲—▲— MV Cable Route (Internal to Clusters)
- MV Cable Route (External to Clusters)
- Irish Grid Connection Point
- HV Cable Route
- ↔ CBS Transects
- CBS 1km Survey Square
- Merlin 1km Survey Square

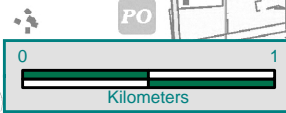
Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Survey Squares Drehid Hortland Submap 3 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.15.2	Rev A

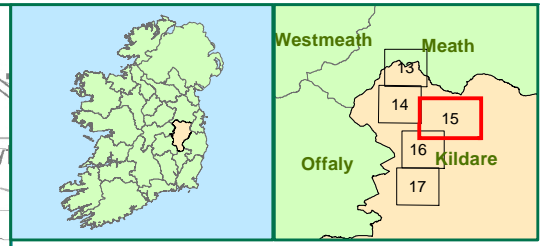
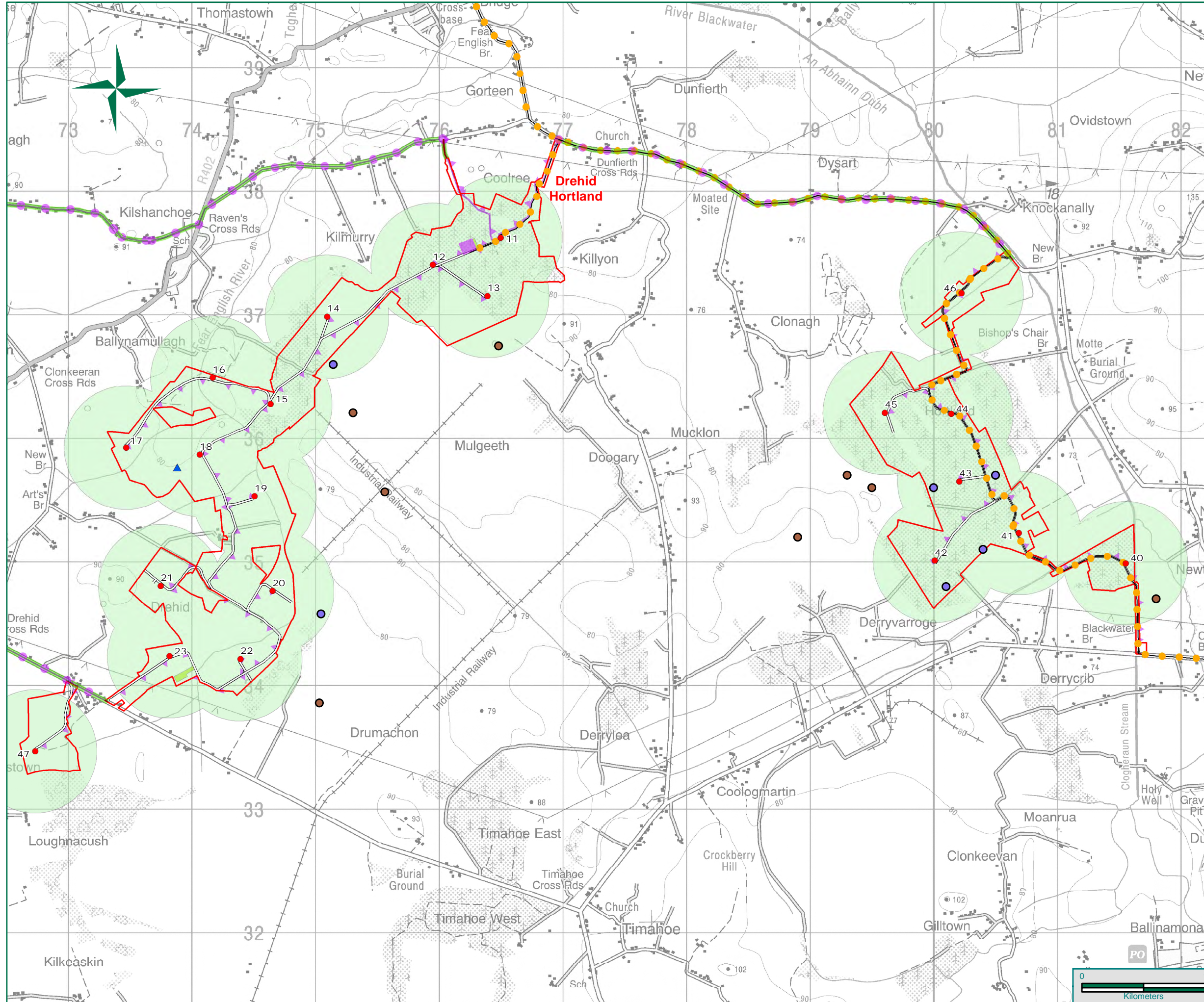
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Legend

- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Substation Location
- Proposed Compound Location
- ▲ Proposed Met Mast Location
- Indicative Access Tracks
- MV Cable Route (External to Cluster)
- ▲—▲—▲— MV Cable Route (Internal to Cluster)
- Irish Grid Connection Points
- HV Cable Route
- 500m Survey Envelope

Breeding Wader Locations (Number of Observations)

- Lapwing L. (0)
- Snipe SN (8)
- Woodcock WK (6)

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Breeding Wader Results Dredid Hortland Submap 3 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.15.3	Rev A

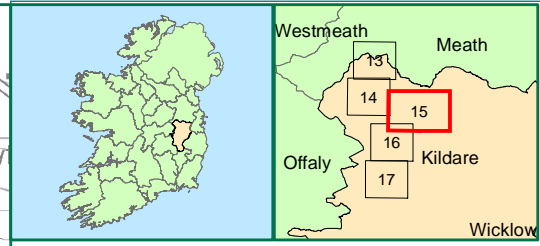
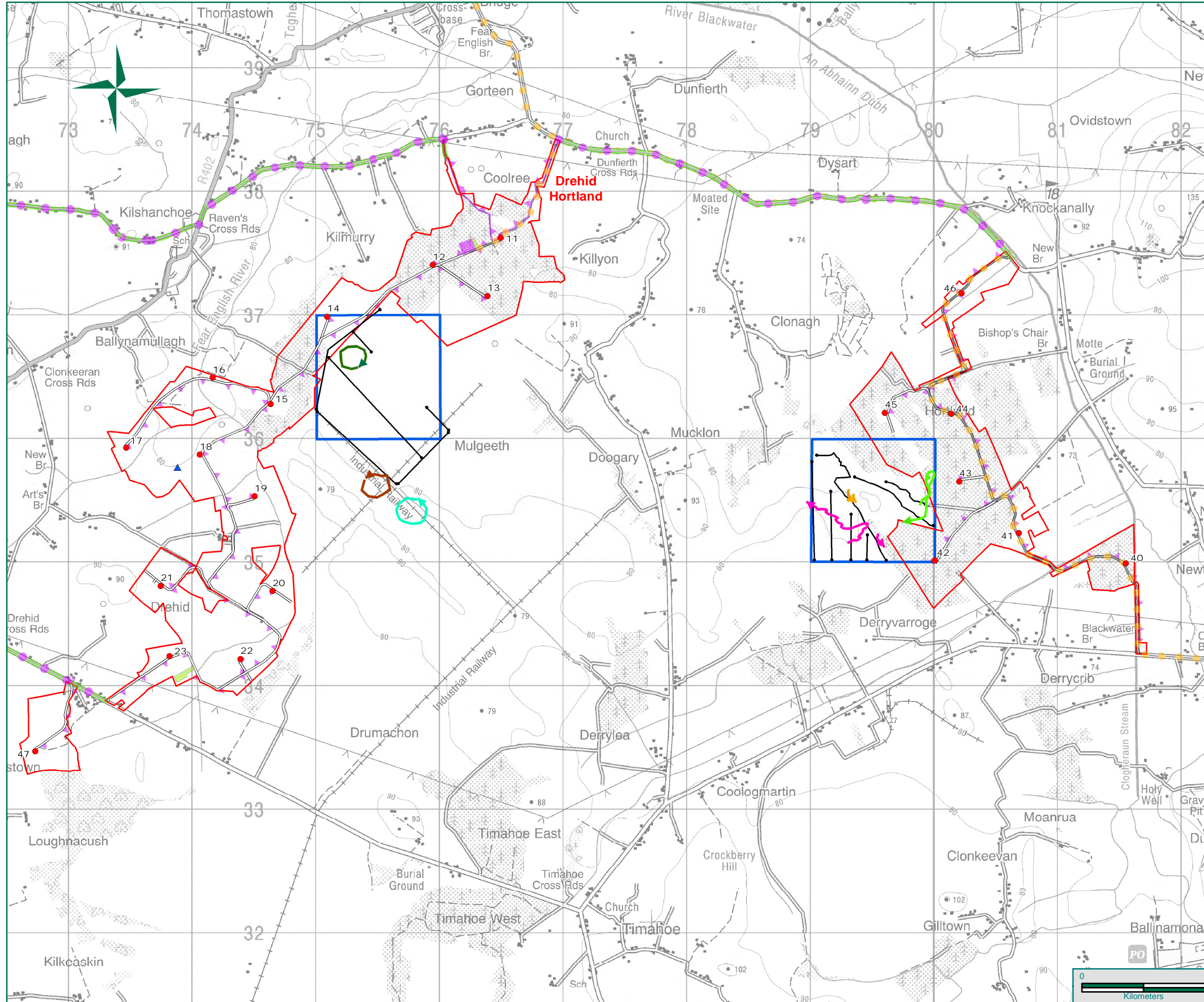
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Legend

- Turbine Locations
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Locations
- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- ▲— MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- Irish Grid Connection Points
- HV Cable Route

Additional Sightings (Number of Observations)

- Mallard (1)
- Raven (0)
- Buzzard (1)
- Snipe (1)
- Hen Harrier (1)
- Sparrowhawk (0)
- Kestrel (2)
- Woodcock (1)

- Merlin 1km Survey Square
- Merlin Transects

Date 26/03/2015

Name Of Client
Element Power Ireland

Name Of Job
Maighne Wind Farm

Title Of Figure
Merlin Transects and Additional Sightings
Drehid Hortland Submap 3 of 5

Scale Used 1:30,000 @ A3

Figure No. 7.15.4 Rev A

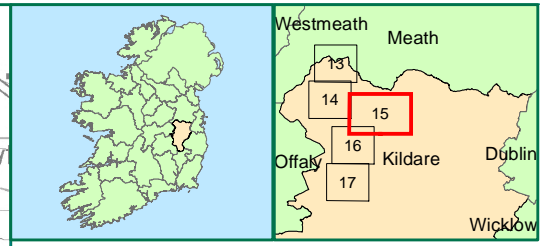
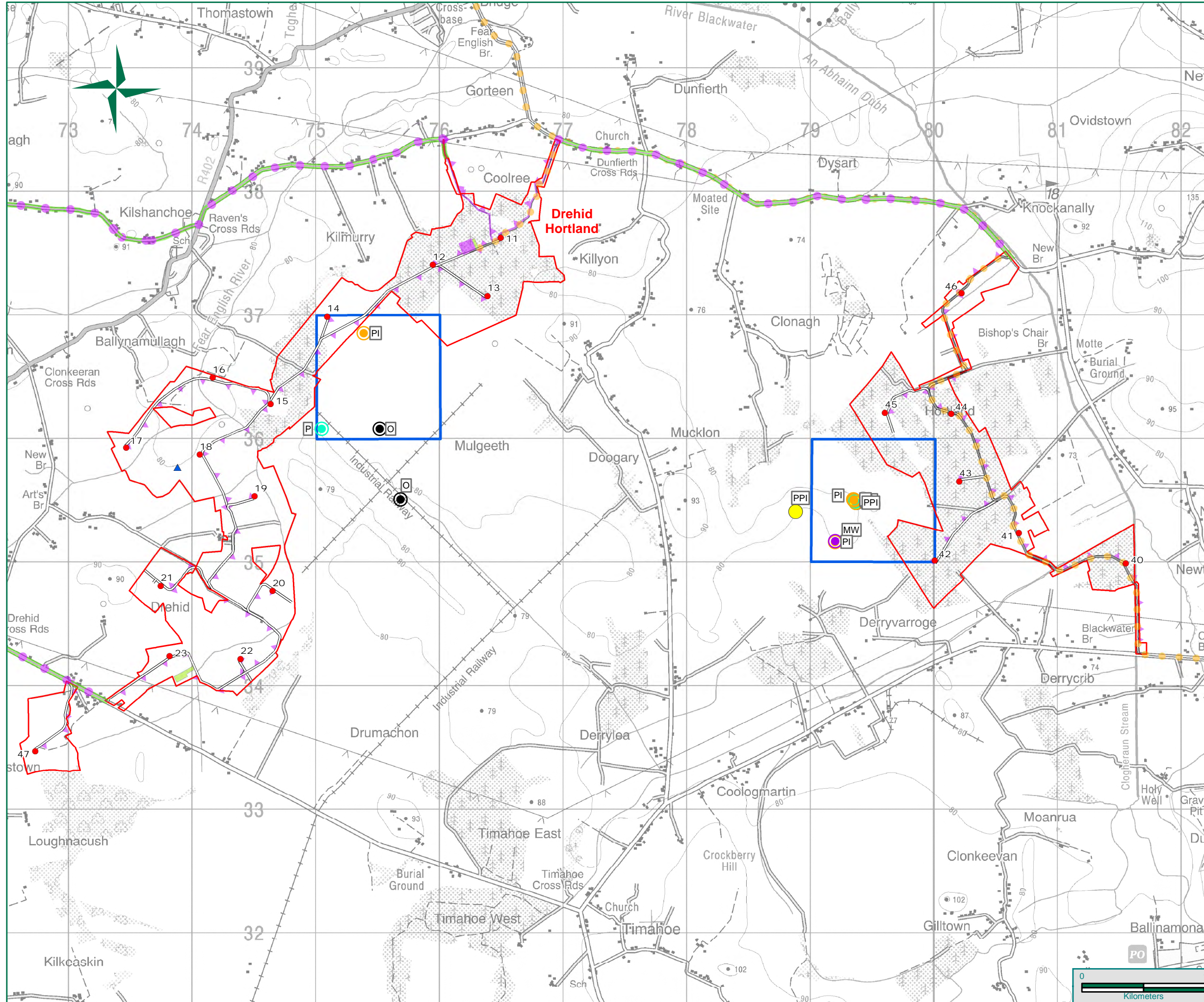
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Legend

- Turbine Location
- ▭ Wind Farm Cluster Boundary
- ▭ Proposed Substation Location
- ▭ Proposed Borrow Pit Location
- ▭ Proposed Compound Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- MV Cable Route (External to Cluster)
- MV Cable Route (Internal to Cluster)
- Irish Grid Connection Point
- HV Cable Route
- ▭ Merlin 1km Survey Square

Merlin Survey Results (Number of Observations)

- MW: Moth Wing (1)
- P: Pellets (2)
- PI: Plucked Item (6)
- PPI: Pellets + Plucked Item (3)
- W: Whitewash (0)
- O: Other (2)

Date 26/03/2015

Name Of Client
Element Power Ireland

Name Of Job
Maighne Wind Farm

Title Of Figure
Merlin Results
Drehid Hortland Submap 3 of 5

Scale Used 1:30,000 @ A3

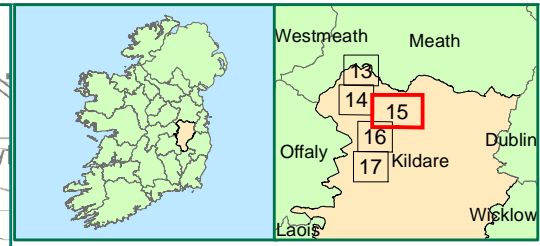
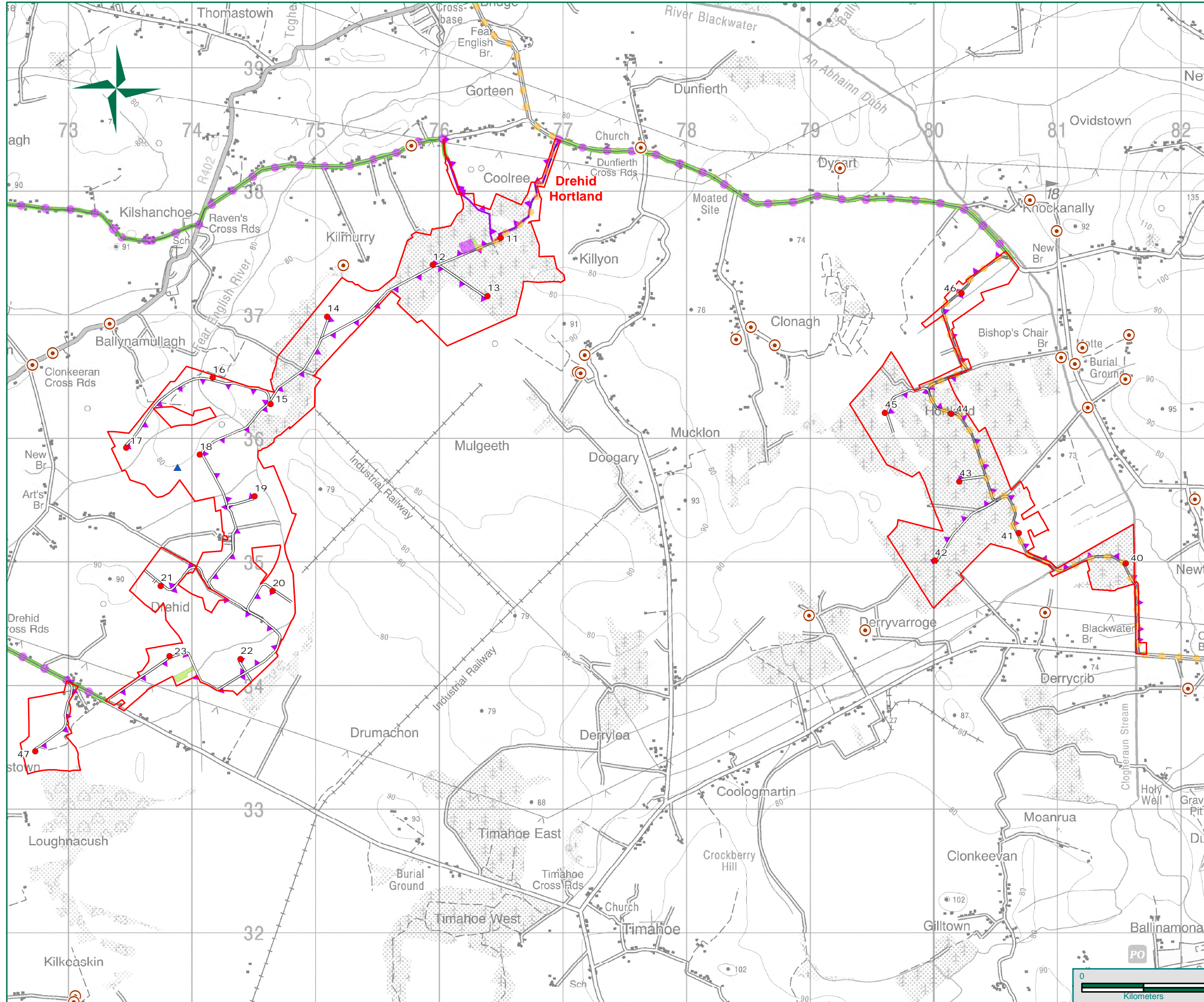
Figure No. 7.15.5 Rev A

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Legend

- Turbine Location
- Wind Farm Cluster Boundary
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- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- ▲— MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- Irish Grid Connection Point
- HV Cable Route

Barn Owl Survey Location (Number of Observations)

- Barn Owl Survey Location (Number of Observations) (28)

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Barn Owl Results Dredid Hortland Submap 3 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.15.6	Rev A

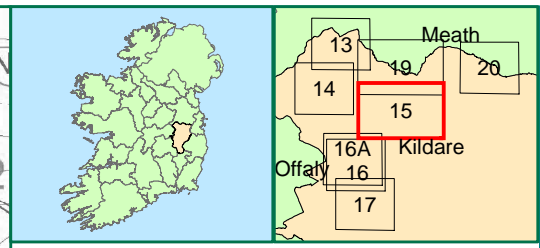
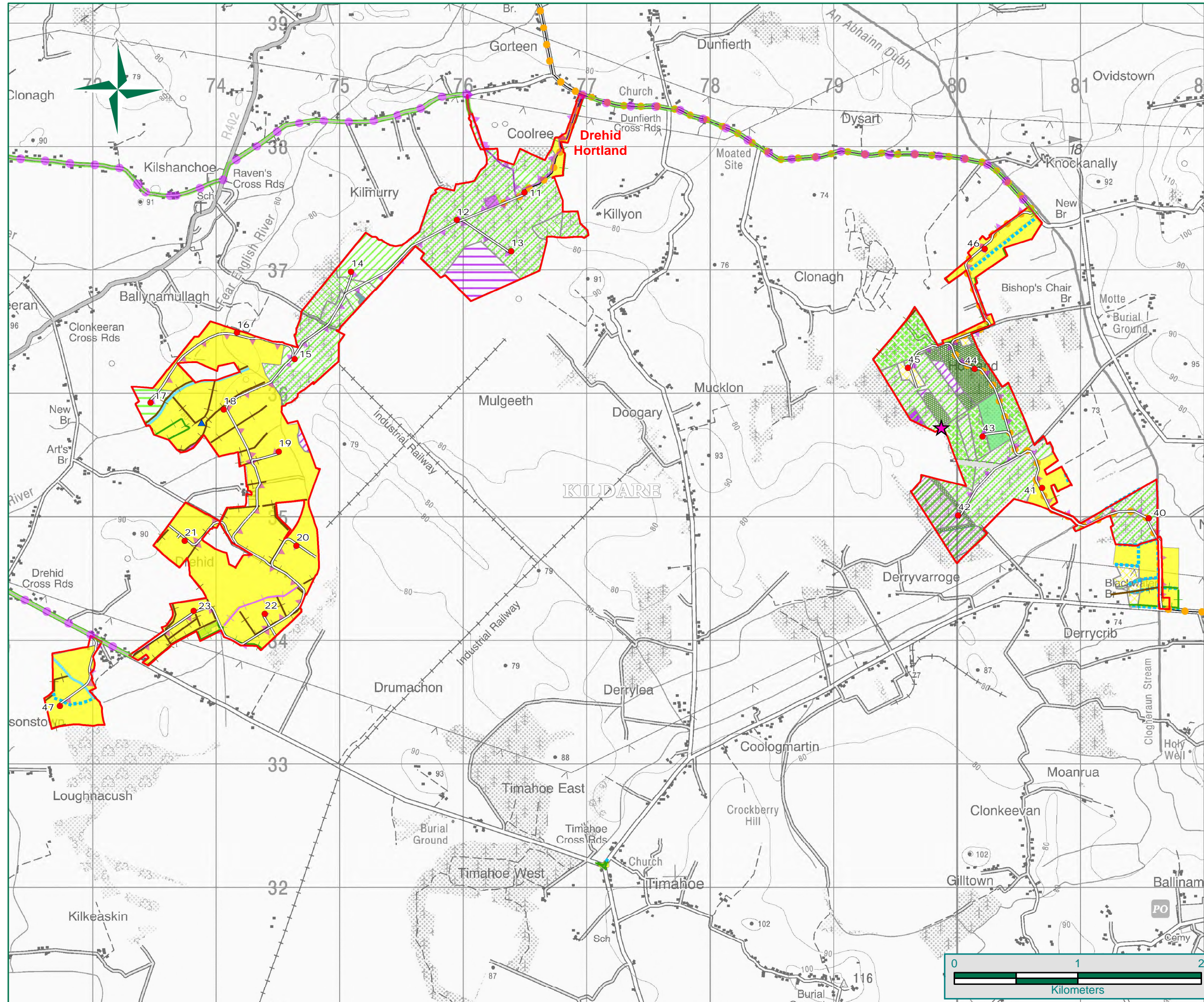
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Legend

- Turbine Location
- ▭ Wind Farm Cluster Boundary
- ▭ Proposed Compound Location
- ▭ Proposed Borrow Pit Location
- ▭ Proposed Substation Location
- ▭ Proposed Met Mast Location
- Indicative Access Track
- MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- HV Cable Route
- Irish Grid Connection Points

Habitat Survey

- BL3: Buildings and artificial surfaces
- GA1/GS4: Mosaic
- GA1: Improved agricultural grassland
- GA2: Amenity grassland (improved)
- GS4: Wet grassland
- PB1: Raised bog
- PB4/GS1: Mosaic
- PB4: Cutover bog
- Pond/FL8: Mosaic
- WD1: (Mixed) broadleaved woodland
- WD2: Mixed broadleaved/conifer woodland
- WD4/PB4: Mosaic; WD4/PB4: Mosaic
- WD4/WD2: Mosaic
- WD4/WS2: Mosaic
- WD4: Conifer plantation
- WN7: Bog woodland
- WS1: Scrub
- WS5: Recently-felled woodland
- BL3/GS2: Mosaic
- FW2: Depositing/lowland rivers
- FW4: Drainage ditches
- WL1/WL2: Mosaic
- WL1: Hedgerows
- WL2: Treelines
- ★ Rhododendron Location

Date 26/03/2015

Name Of Client
Element Power Ireland

Name Of Job
Maighne Wind Farm

Title Of Figure
Habitat Map
Drehid Hortland Submap 3 of 8

Scale Used 1:30,000 @ A3

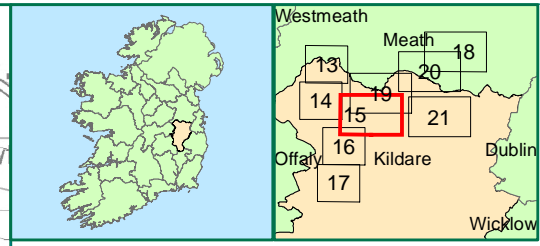
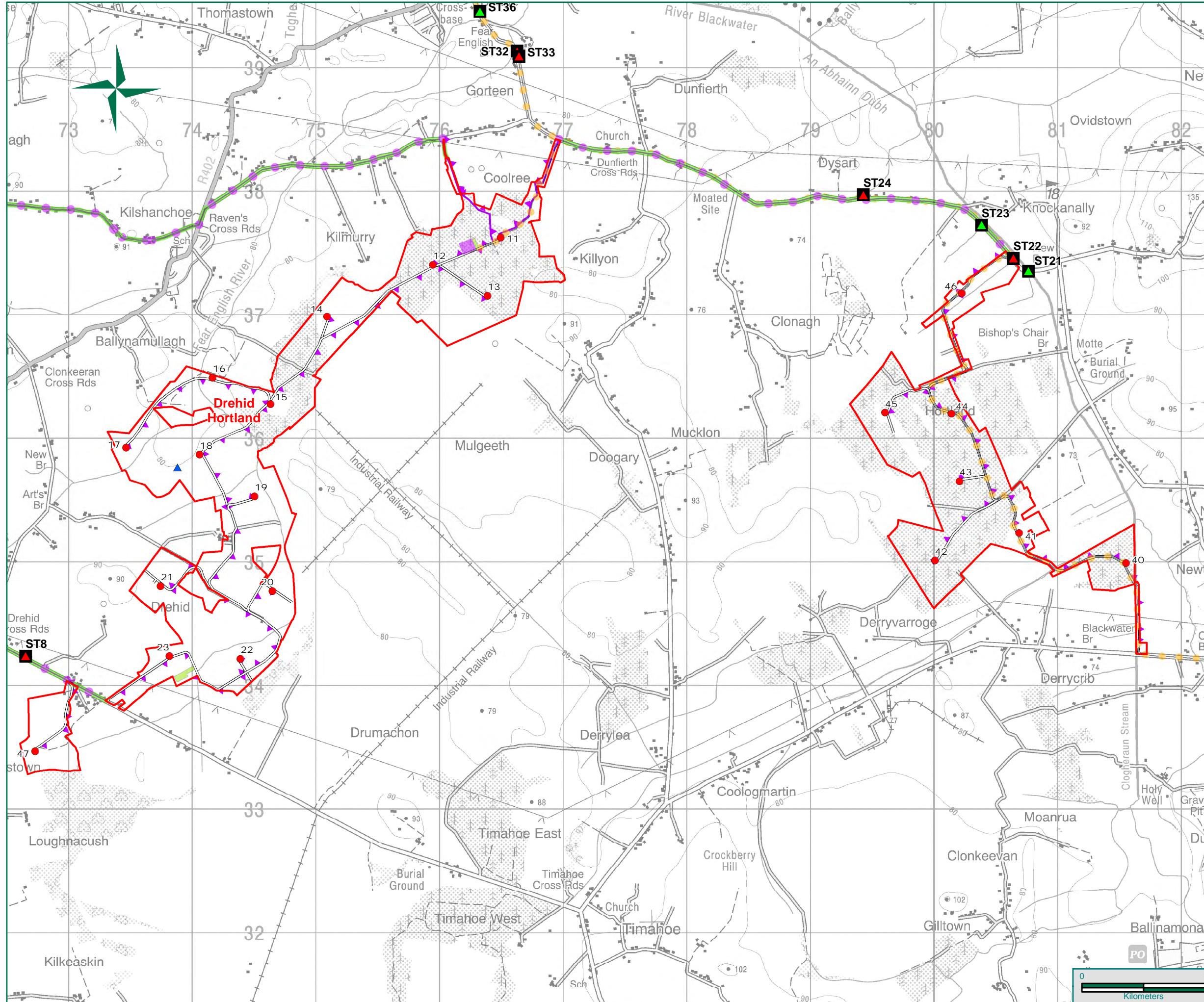
Figure No. 7.15.7 Rev A

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Legend

- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Compound Location
- Proposed Substation Location
- ▲ Proposed Met Mast Location
- Indicative Access Track
- MV Cable Route (External to Cluster)
- MV Cable Route (Internal to Cluster)
- Irish Grid Connection Point
- HV Cable Route

Structures

- ▲ No Otter Presence
- ▲ Possible Otter Presence
- ▲ Confirmed Otter Presence

Date: 27/03/2015

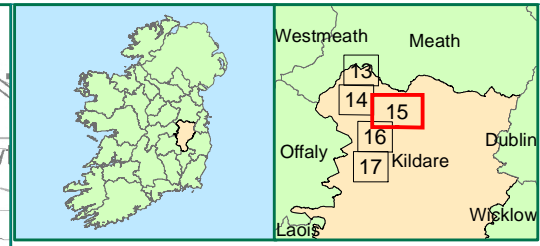
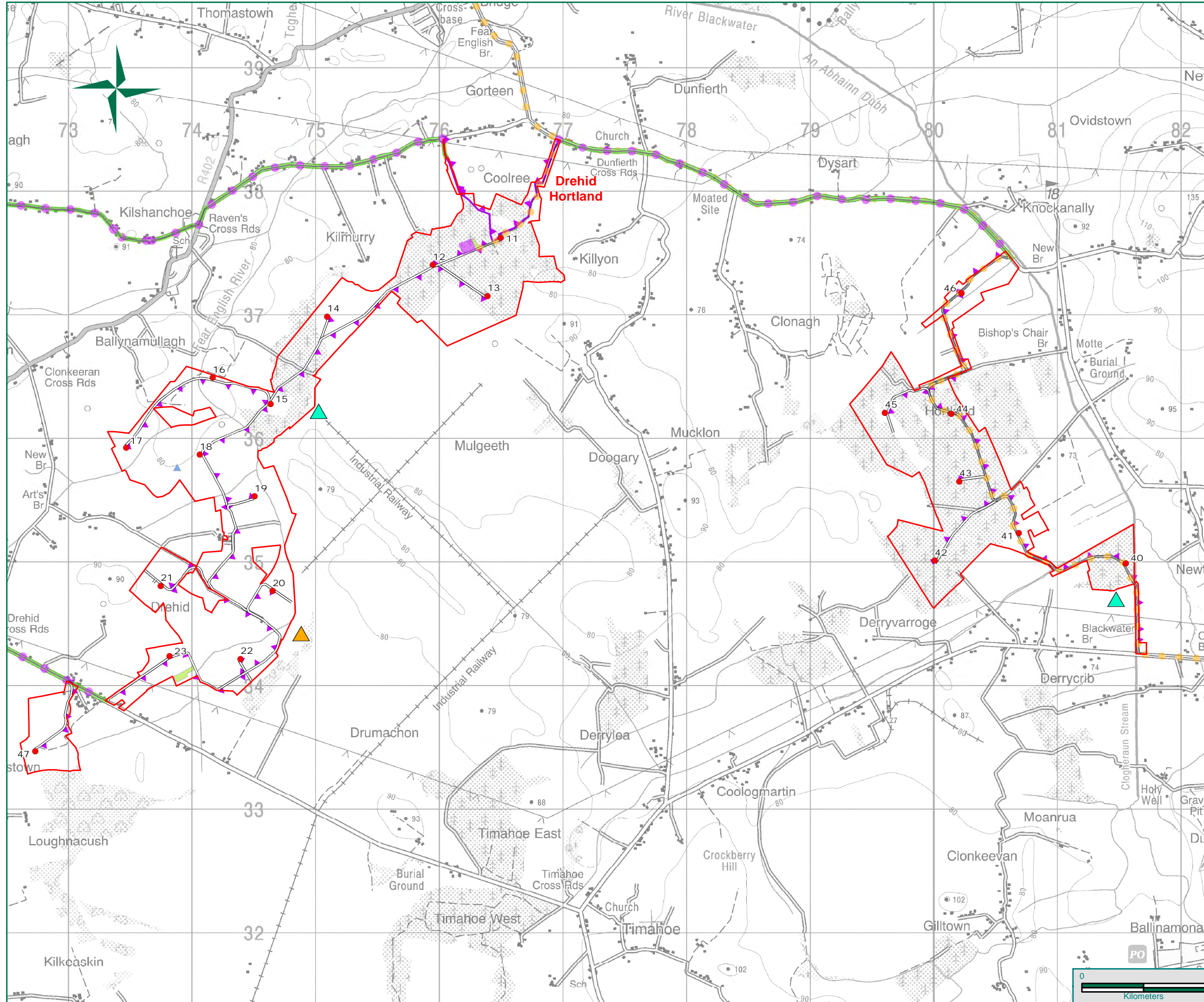
Name Of Client	
Element Power Ireland	
Name Of Job	
Maighne Wind Farm	
Title Of Figure	
Structures Dredid Hortland Submap 3 of 9	
Scale Used	1:30,000 @ A3
Figure No.	7.15.8
	Rev A

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Legend

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- Indicative Access Track
- ▲ MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- Irish Grid Connection Point
- HV Cable Route

Mammal Sightings (Number of Observations)

- ▲ Badger (1)
- ▲ Otter (2)

Date	27/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Mammal Sightings Drehid Hortland Submap 3 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.15.9	Rev A

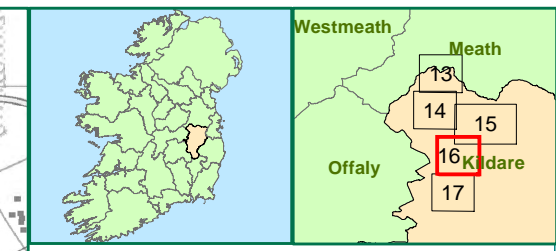
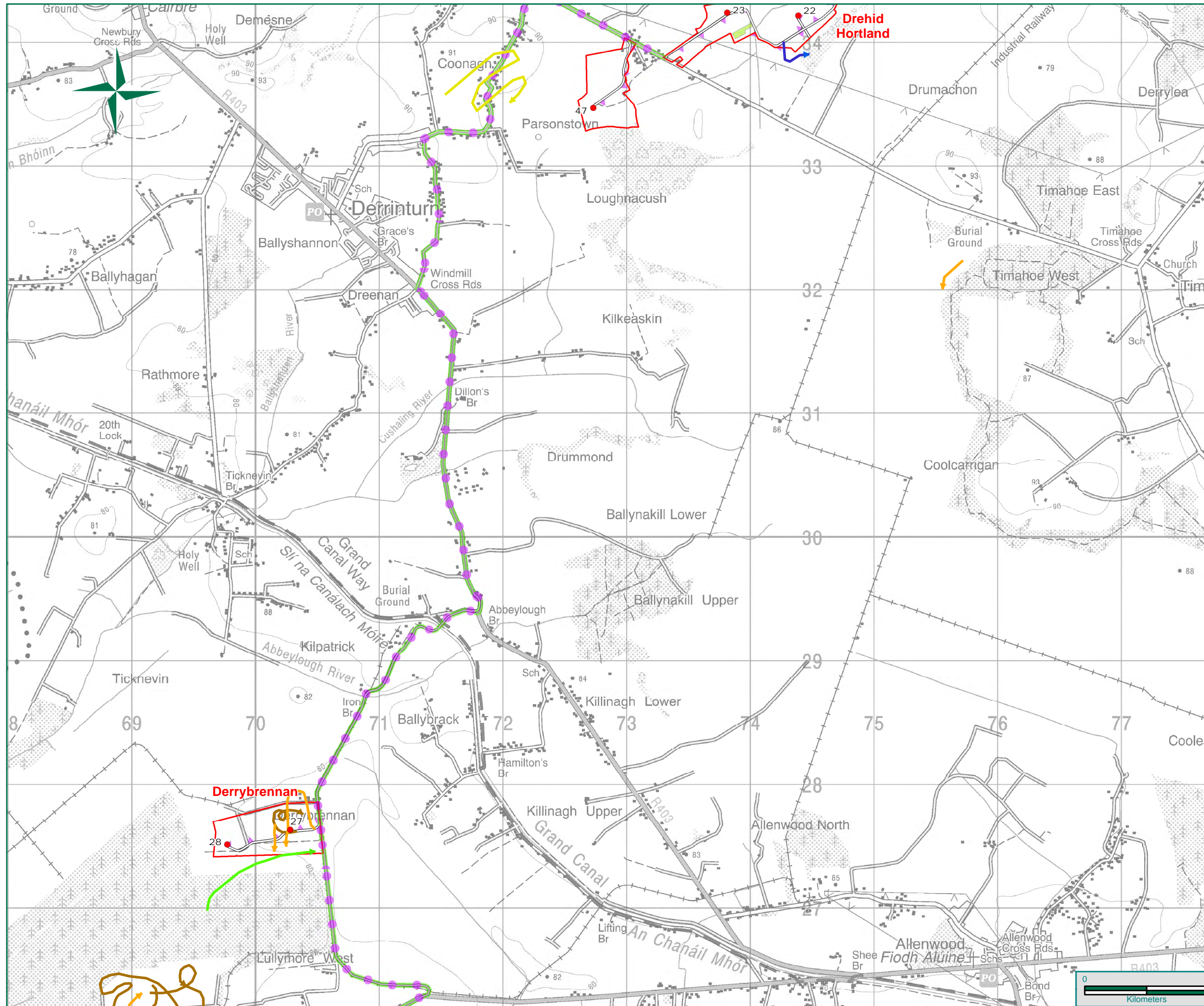
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Legend

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- Indicative Access Track
- MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- HV Cable Route
- Irish Grid Connection Point

MB&S Flightlines of Note

- Snipe
- Buzzard
- Golden Plover
- Lapwing
- Sparrowhawk

Date 26/03/2015

Name Of Client
Element Power Ireland

Name Of Job
Maighne Wind Farm

Title Of Figure
Modified Brown and Shepherd (B&S)
Flightlines of Note
Derrybrennan Submap 4 of 5

Scale Used 1:30,000 @ A3

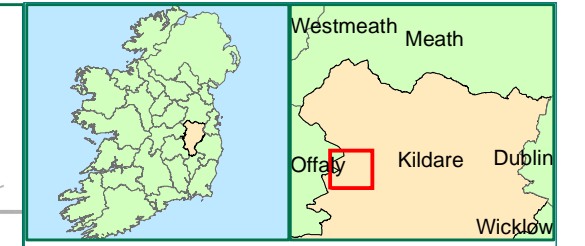
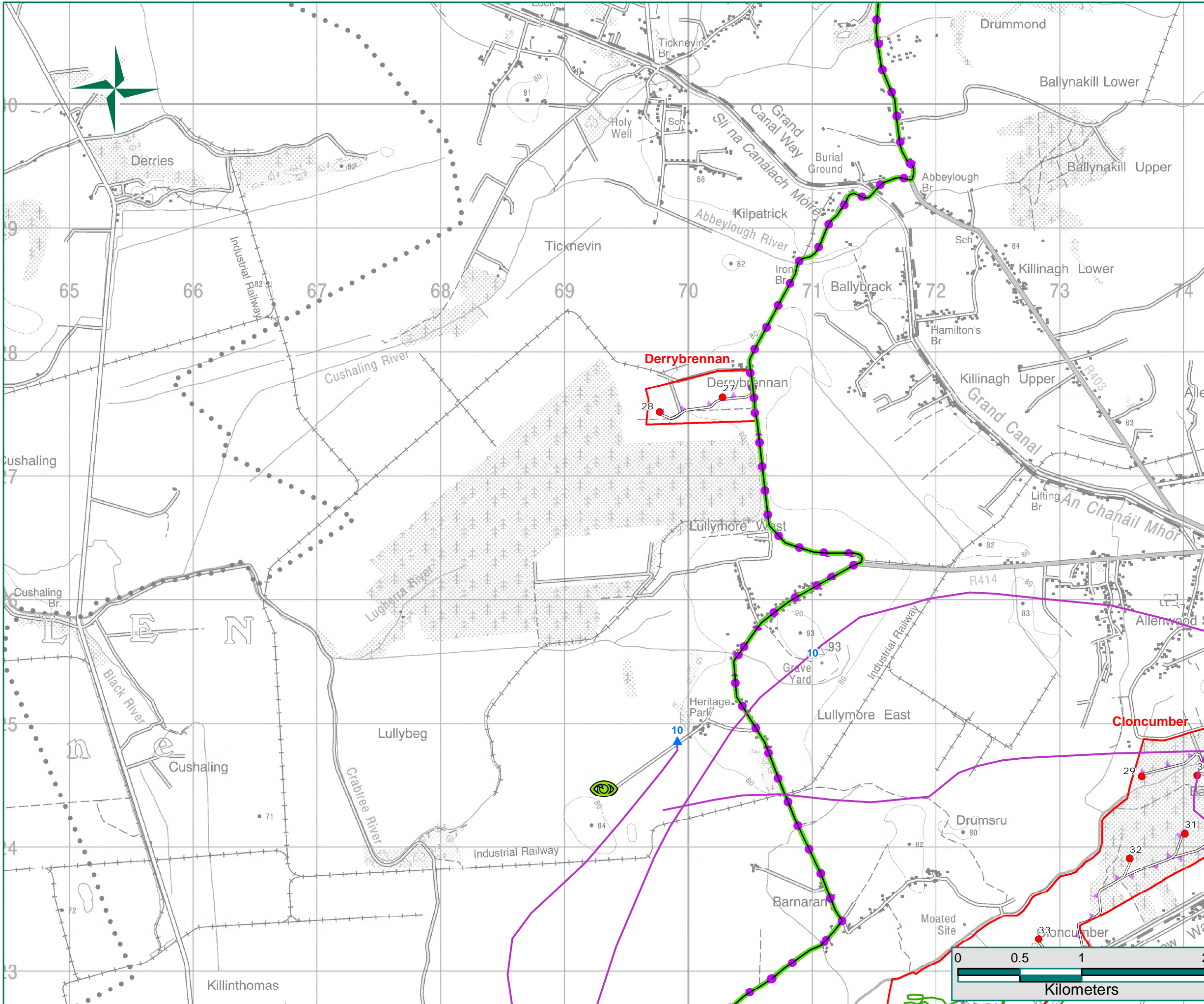
Figure No. 7.16.0 Rev A

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Legend

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- MV Cable Route (External to Cluster)
- Irish Grid Connection Point
- HV Cable Route
- Indicative Access Track

Winter Bird Survey Dusk

- ▶ 7 Lapwing
- ▶ 10 Whooper Swan

Winter Bird Survey Dawn

- ▶ 7 Lapwing
- ▶ 10 Whooper Swan

Winter Bird Survey Vantage Point

- 👁 Derrybrennan

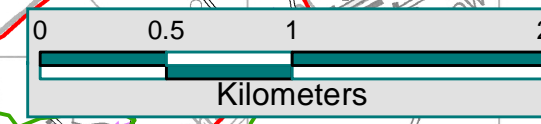
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Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Winter Bird Survey Derrybrennan November Year 2	
Scale Used	1:30,000 @ A3	
Figure No.	7.16.1	Rev A

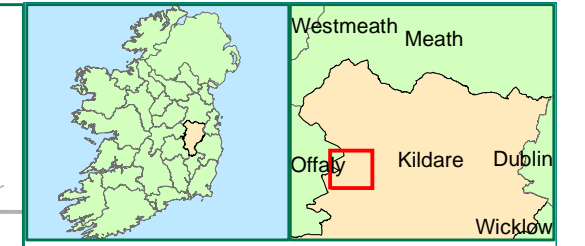
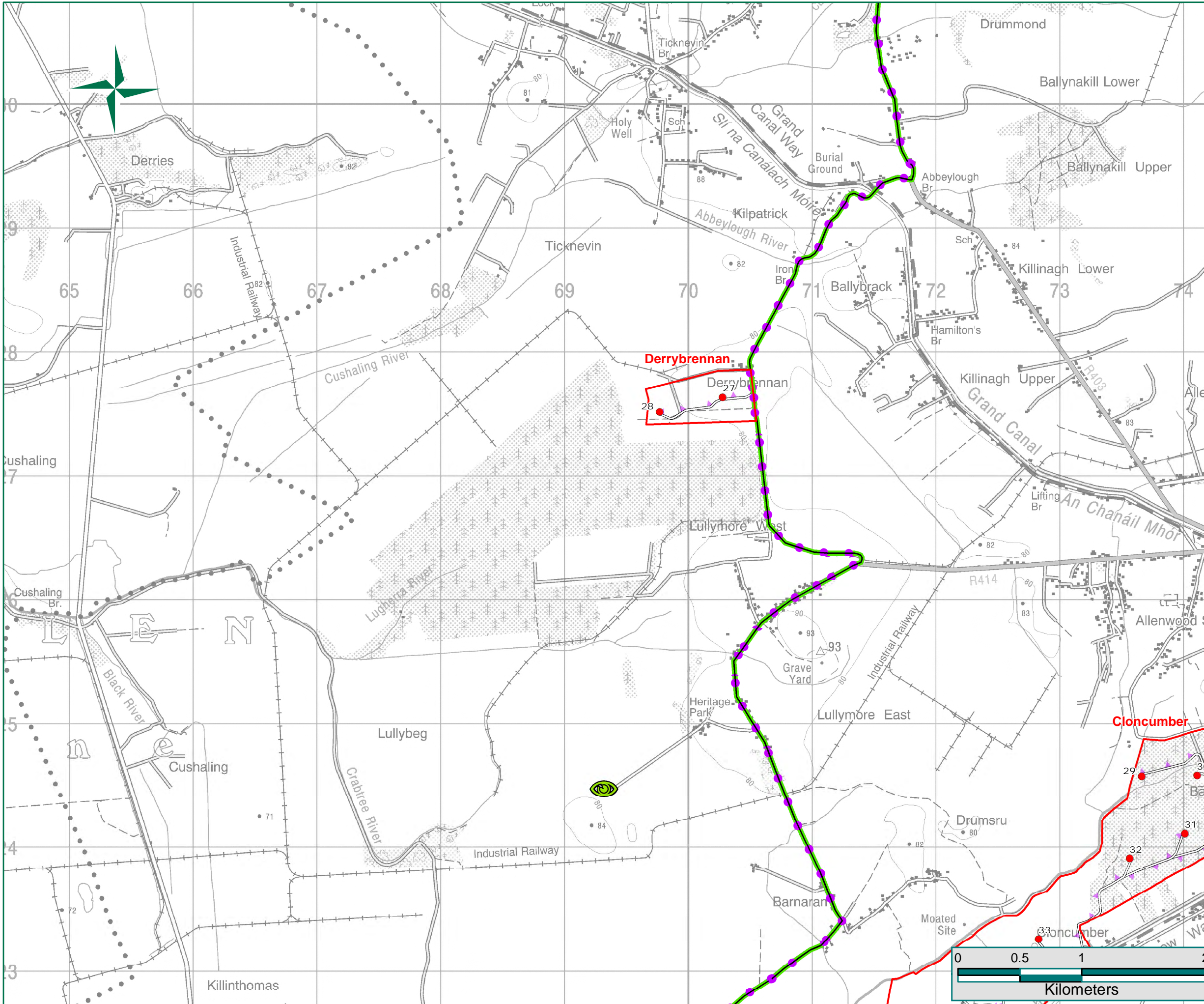
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Legend

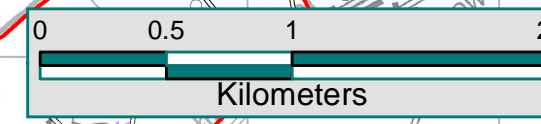
- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Compound Location
- Proposed Substation Location
- Irish Grid Connection Point
- HV Cable Route
- ▲—▲—▲— MV Cable Route (Internal to Cluster)
- MV Cable Route (External to Cluster)
- Indicative Access Track

Winter Bird Survey Vantage Point

- Derrybrennan

WINTER BIRD SURVEY - NIL SIGHTINGS

Date	27/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Winter Bird Survey Derrybrennan December Year 2	
Scale Used	1:30,000 @ A3	
Figure No.	7.16.2	Rev A

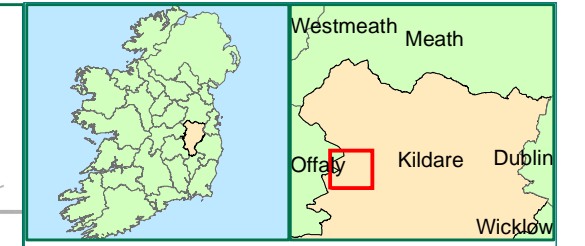
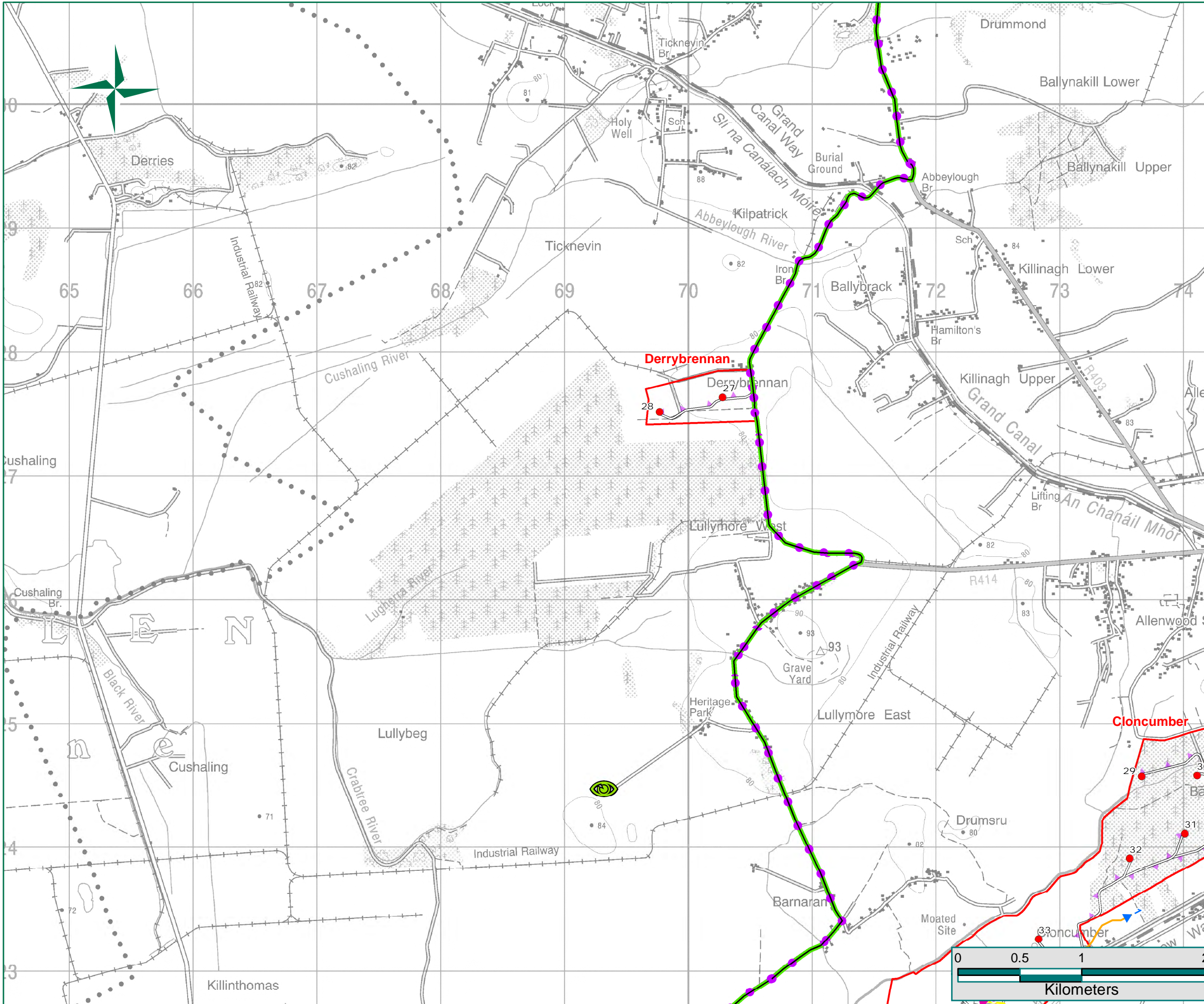


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Legend

- Turbine Location
- Wind Farm Cluster Boundary
- Proposed Borrow Pit Location
- Proposed Compound Location
- Proposed Substation Location
- MV Cable Route (External to Cluster)
- MV Cable Route (Internal to Cluster)
- Irish Grid Connection Point
- HV Cable Route
- Indicative Access Track

Winter Bird Survey Vantage Point

- Derrybrennan
- WINTER BIRD SURVEY - NIL SIGHTINGS

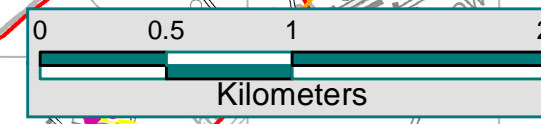
Date	27/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Winter Bird Survey Derrybrennan January Year 2	
Scale Used	1:30,000 @ A3	
Figure No.	7.16.3	Rev A

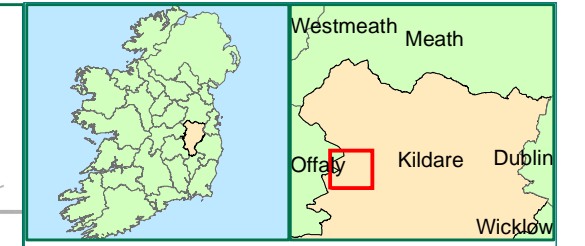
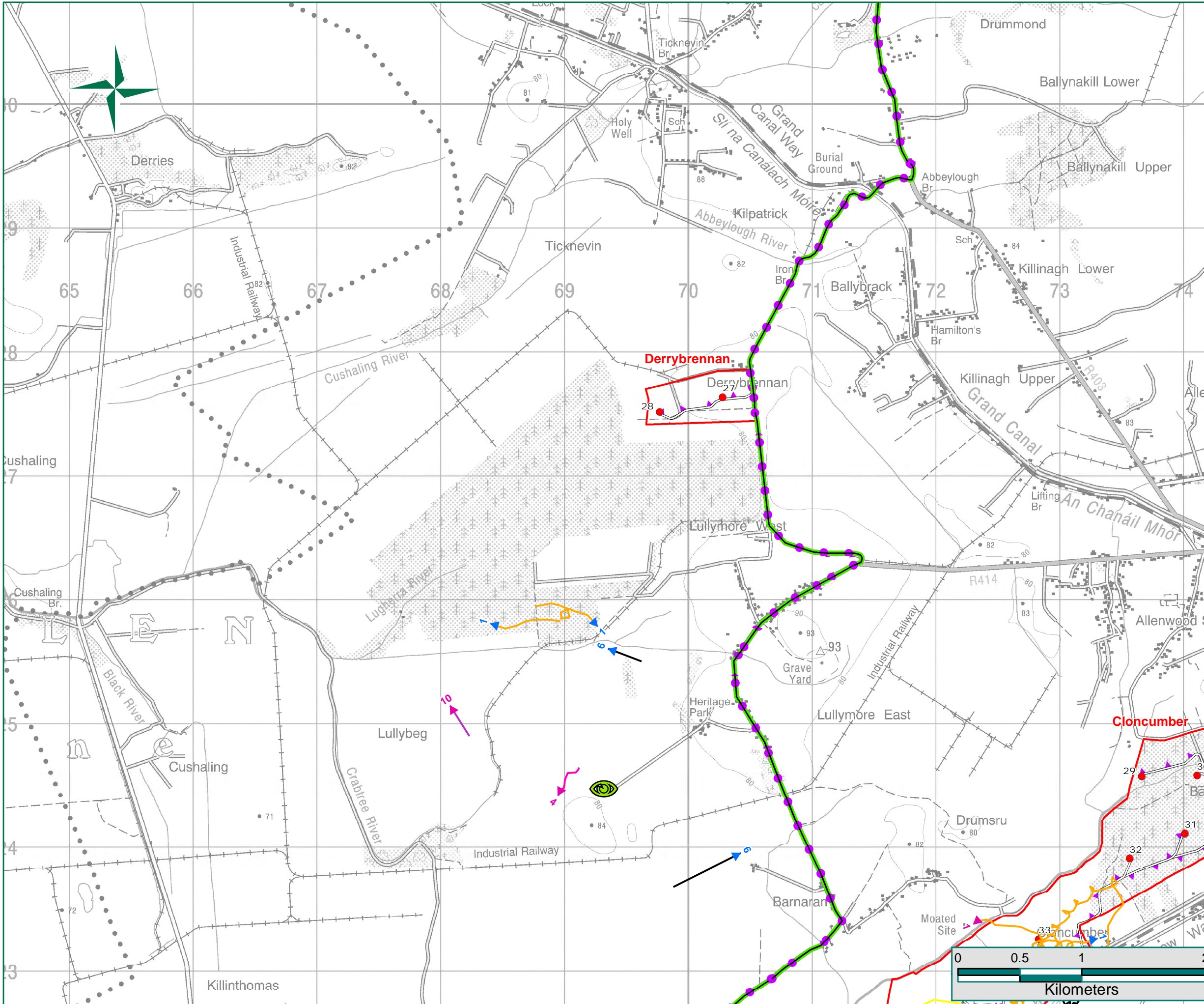
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Legend

- Turbine Location
- Proposed Borrow Pit Location
- Proposed Compound Location
- MV Cable Route (External to Cluster)
- Irish Grid Connection Point
- HV Cable Route
- Wind Farm Cluster Boundary
- Proposed Substation Location
- Indicative Access Track
- ▲— MV Cable Routes (Internal to Cluster)

Winter Bird Survey Dusk

- ▶ 1 Buzzard
- ▶ 6 Kestrel

Winter Bird Survey Dawn

- ▶ 1 Buzzard
- ▶ 3 Golden Plover
- ▶ 4 Hen Harrier
- ▶ 6 Kestrel
- ▶ 10 Whooper Swan

Winter Bird Survey Vantage Point

- 👁️ Derrybrennan

Date: 27/03/2015

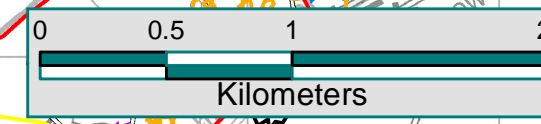
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Name Of Job	Maighne Wind Farm	
Title Of Figure	Winter Bird Survey Derrybrennan February Year 2	
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Figure No.	7.16.4	Rev A

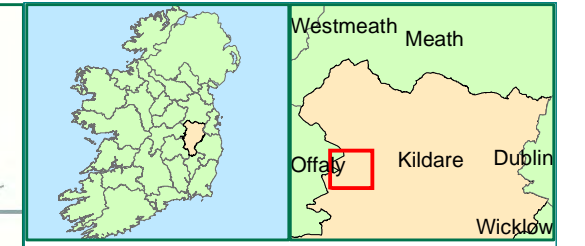
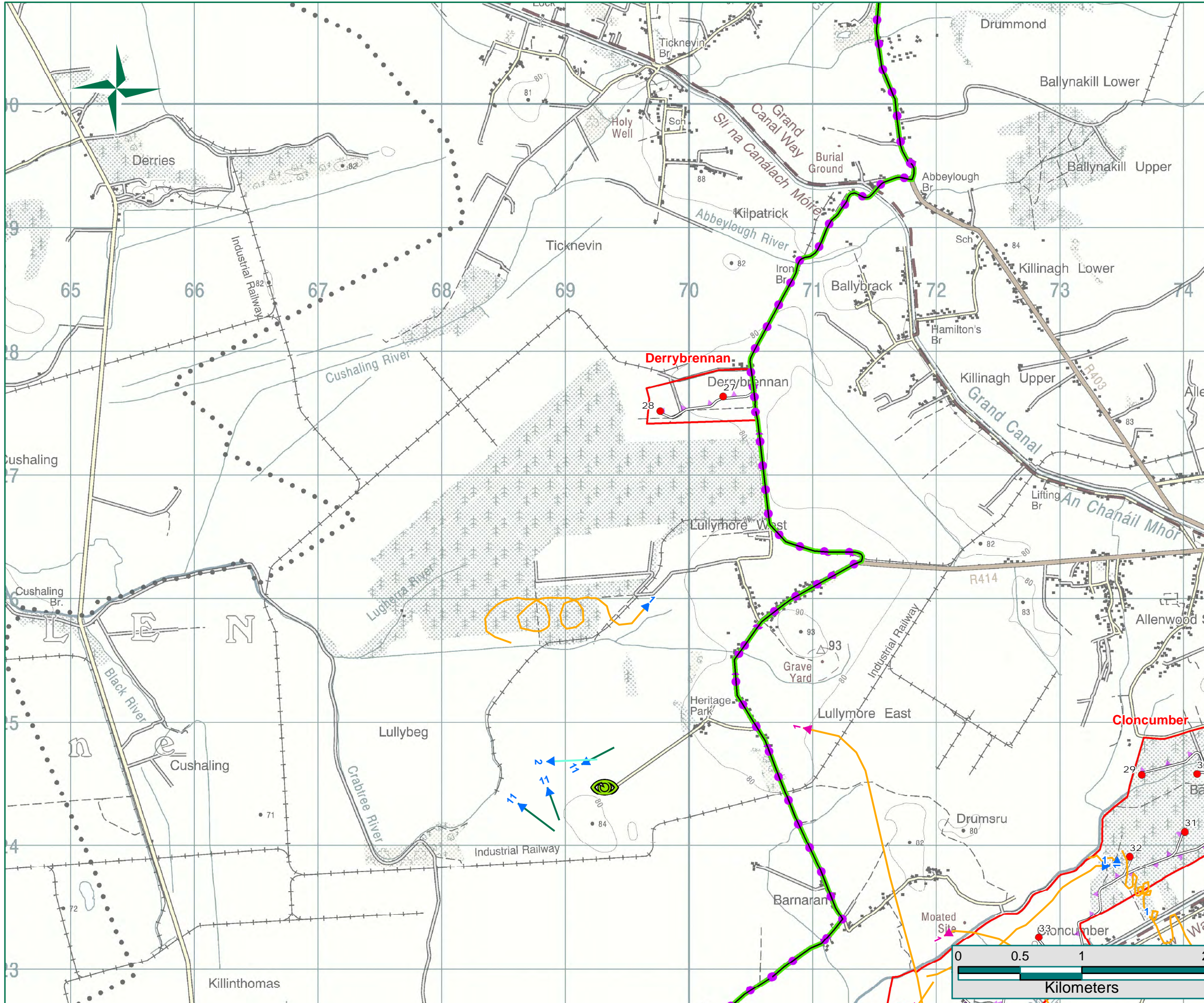
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Legend

- Turbine Location
- Wind Farm Cluster Boundary
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- ▲— MV Cable Routes (Internal to Cluster)
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- Irish Grid Connection Point
- HV Cable Route
- Indicative Access Track

Winter Bird Survey Dusk

- ▶ 1 Buzzard
- ▶ 2 Fieldfare
- ▶ 11 Woodcock

Winter Bird Survey Dawn

- ▶ 1 Buzzard

Winter Bird Survey Vantage Point

- 👁 Derrybrennan

Date: 27/03/2015

Name Of Client
Element Power Ireland

Name Of Job
Maighne Wind Farm

Title Of Figure
Winter Bird Survey Derrybrennan
March Year 2

Scale Used: 1:30,000 @ A3

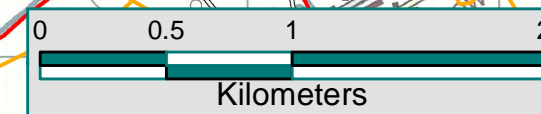
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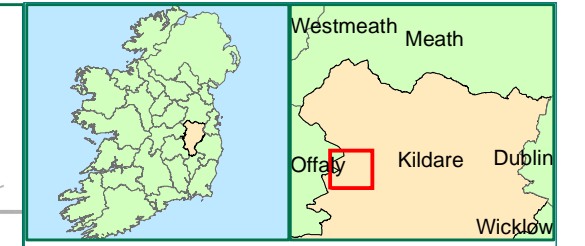
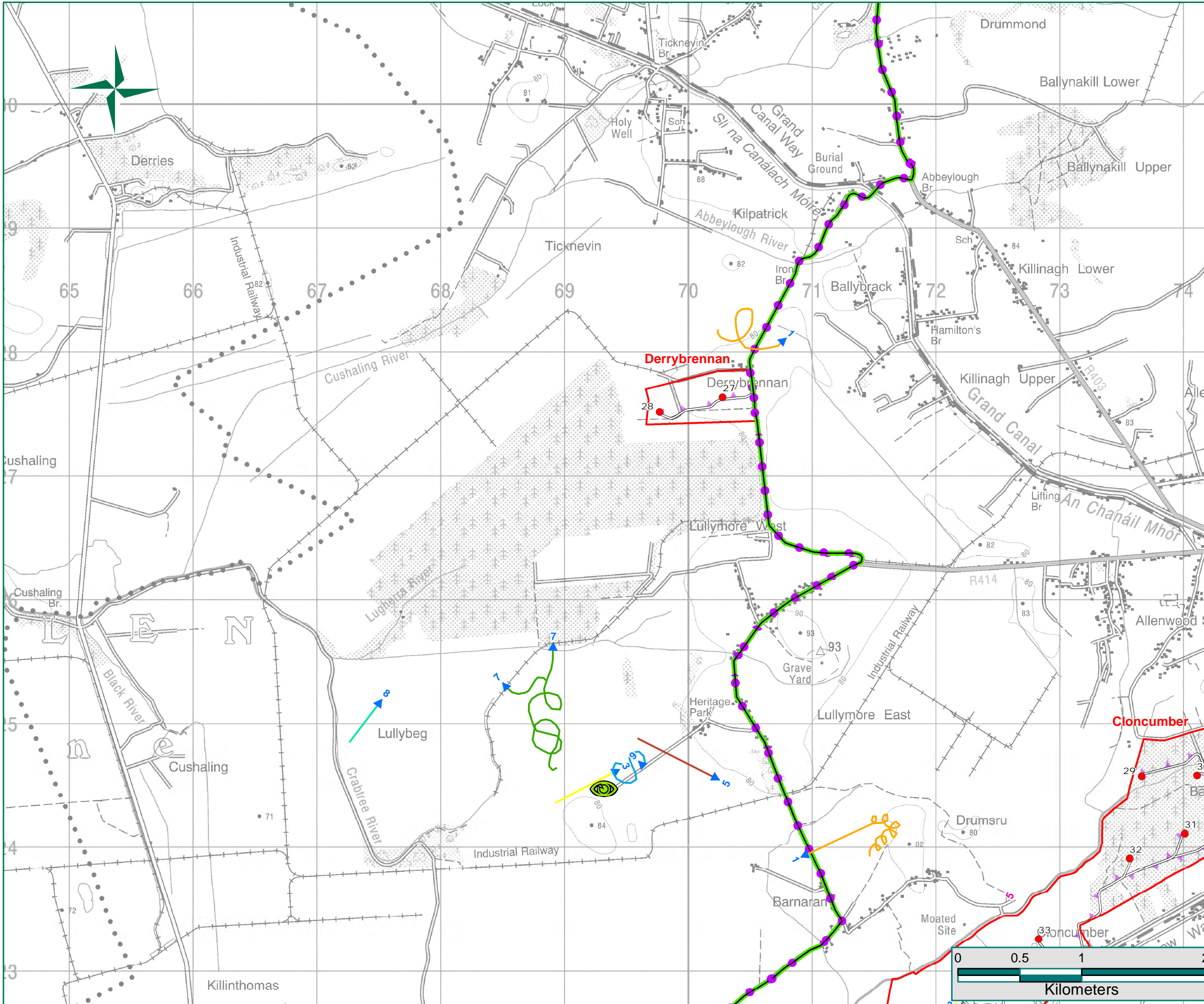
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- ### Legend
- Turbine Location
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 - Proposed Compound Location
 - Proposed Substation Location
 - ▲— MV Cable Routes (Internal to Cluster)
 - MV Cable Route (External to Cluster)
 - Irish Grid Connection Point
 - HV Cable Route
 - Indicative Access Track
- #### Winter Bird Survey Dusk
- ▶ 1 Buzzard
 - ▶ 3 Golden Plover
 - ▶ 5 Heron
 - ▶ 7 Lapwing
 - ▶ 8 Peregrine
 - ▶ 9 Snipe
- #### Winter Bird Survey Vantage Point
- ◉ Derrybrennan

Date	27/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Spring Migration- Derrybrennan April Year 2	
Scale Used	1:30,000 @ A3	
Figure No.	7.16.6	Rev A

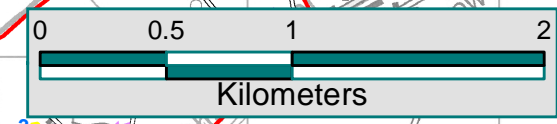
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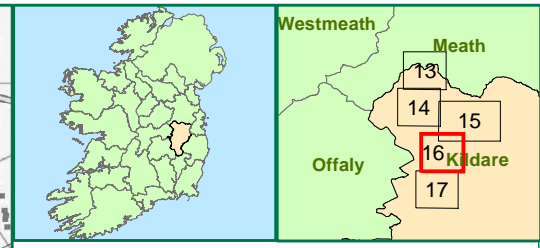
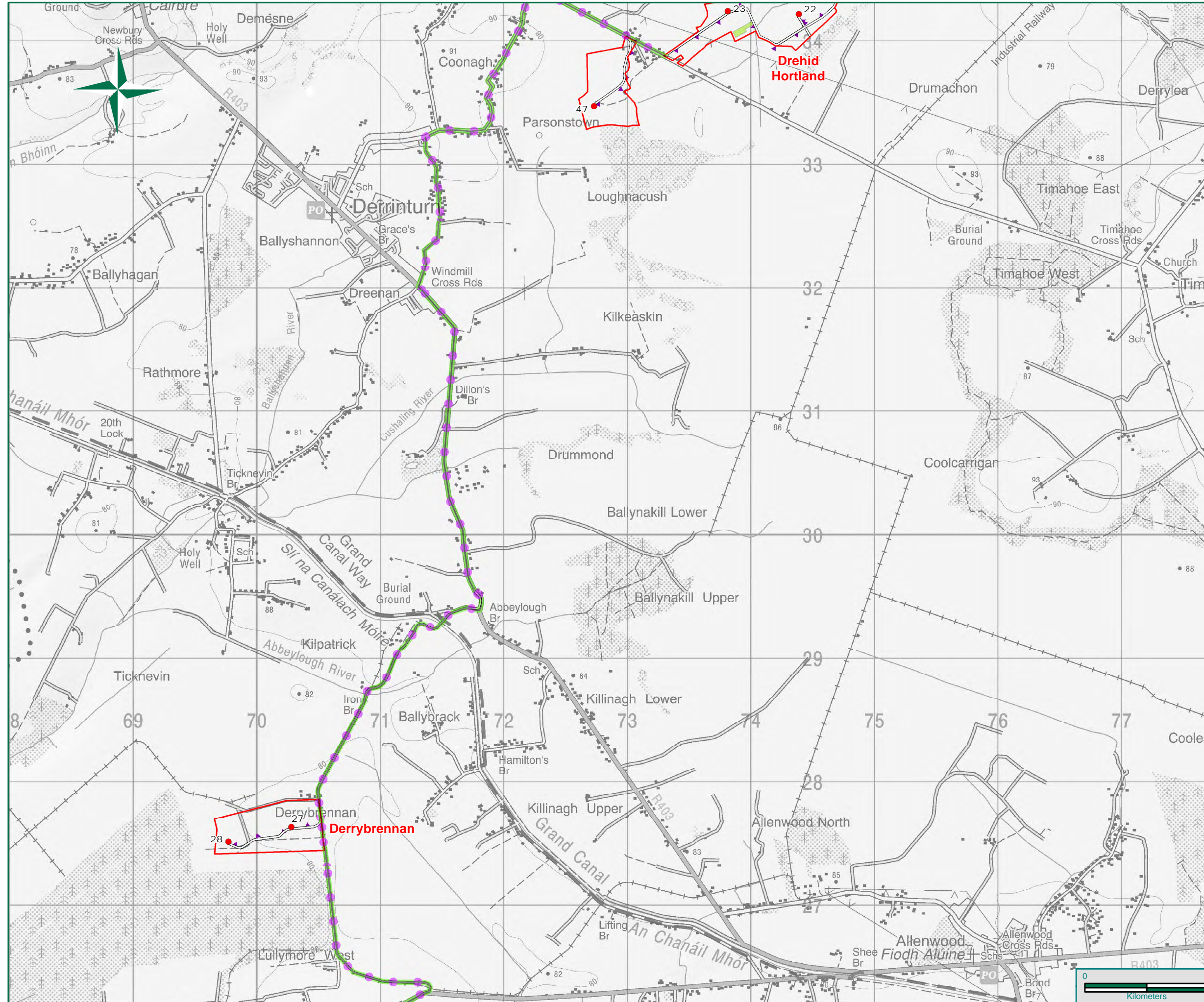
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Legend

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- HV Cable Route
- Irish Grid Connection Point

Whooper Swan Flightline (Number of Observations)

- (0)

Date	26/03/2015	
Name Of Client	Element Power Ireland	
Name Of Job	Maighne Wind Farm	
Title Of Figure	Whooper Swan Cumulative Flightlines Derrybrennan Submap 4 of 5	
Scale Used	1:30,000 @ A3	
Figure No.	7.16.7	Rev A

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