

Project:

Lower Gasegill

Description:

Entrust
Daresbury Innovation Centre
Keckwick Lane
Daresbury
WA4 4FS

www.en-trust.co.uk
e. info@en-trust.co.uk
t. 01925 607235

AMENDED PLANS RECEIVED

DATE

25.2.2013

Printed/Page

14/12/2012 10:54 / 1

Licensed user:

Entrust

Daresbury Innovation Centre Keckwick Lane
GB-DARESBUY WA4 4FS
+44 1925 607 235

John McGarry / john@en-trust.co.uk

Calculated:

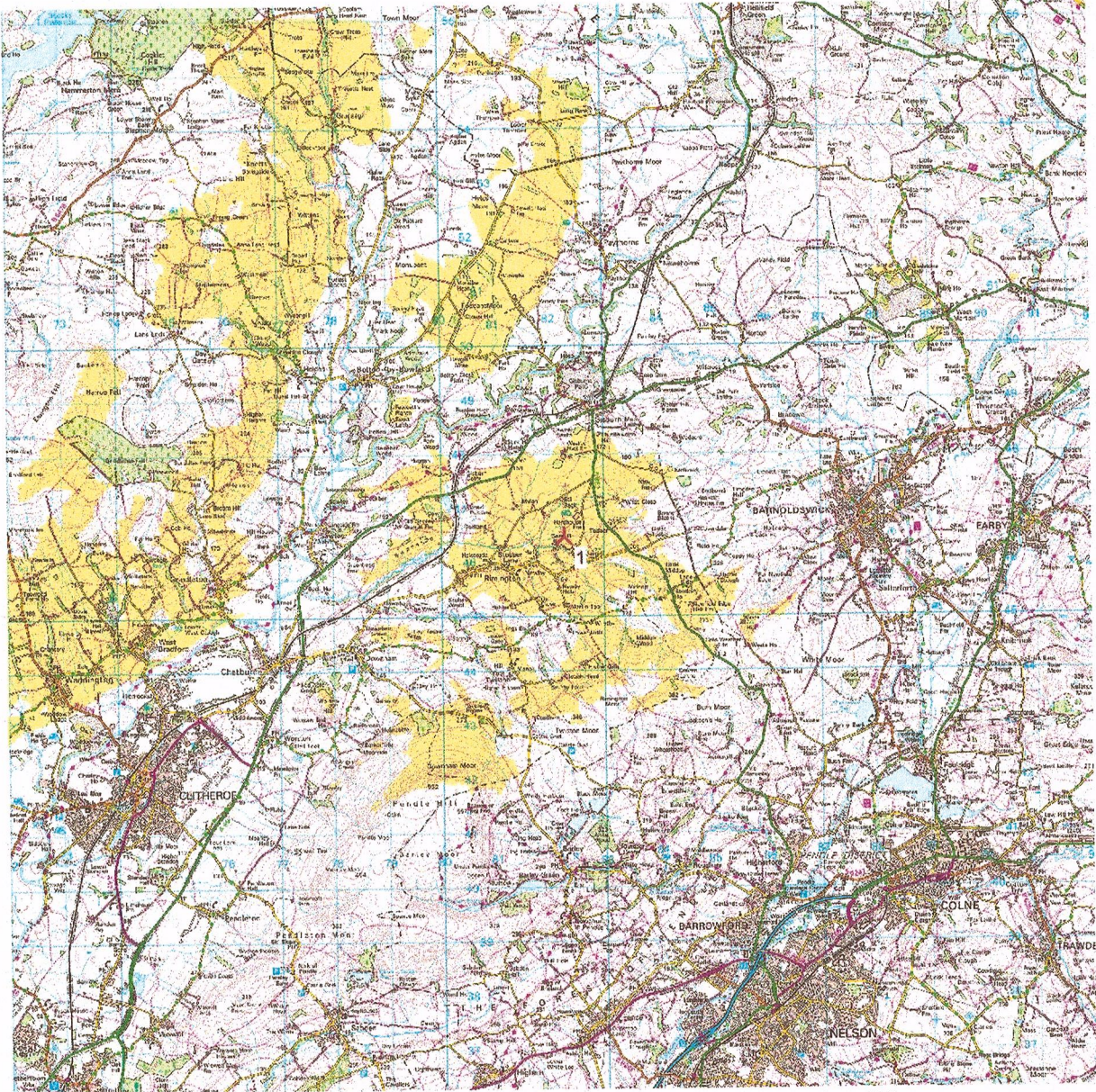
14/12/2012 10:47/2.7.490

ZVI - Map**Calculation: ZTV**

WTGs visible

0

1



3 2012 09 54 P

0 2.5 5 7.5 10km

Map: lowergill , Print scale 1:125,000, Map center British National Grid (AIRY) East: 382,104 North: 446,261

 New WTG

Project:

Description:

Printed/Page

14/12/2012 10:54 / 1

Licensed user:

Entrust

Daresbury Innovation Centre Keckwick Lane
GB-DARESBUY WA4 4FS
+44 1925 607 235

John McGarry / john@en-trust.co.uk
Calculated:

14/12/2012 10:47/2.7.490

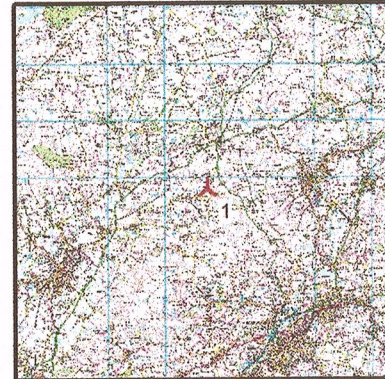
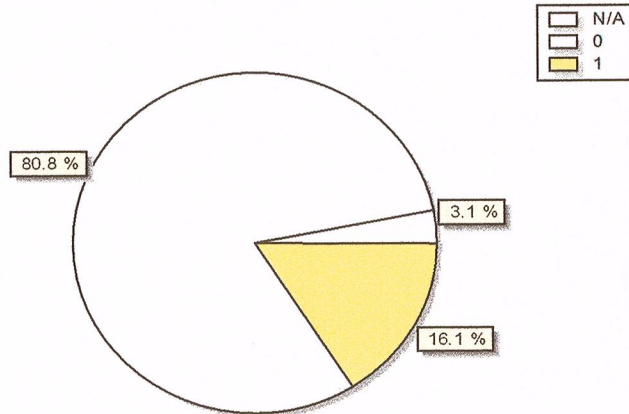
Lower Gasegill

Entrust
Daresbury Innovation Centre
Keckwick Lane
Daresbury
WA4 4FS

www.en-trust.co.uk
e. info@en-trust.co.uk
t. 01925 607235

ZVI - Standard ZVI summary**Calculation: ZTV**

Area with specific number of WTGs visible



Scale 1:400,000

New WTG

Assumptions for ZVI calculation

Center for calculation	British National Grid (AIRY) East: 382,008 North: 446,284
Width of calculation area	19,916 m
Height of calculation area	19,974 m
Calculation step	25 m
Eye height	1.5 m
Calculation area	39,780 ha
Highest relevant visible part of a WTG	Hub height + ½ rotor diameter
Obstacles used in calculation	0
Height contour object used in calculation	Height Contours: CONTOURLINE_ONLINEDATA_0.wpo (1)
No area objects used in calculation	
New WTGs used in calculation	1
Existing WTGs used in calculation	0

No maximum distance to WTG

ZVI Results

WTGs visible	Area [ha]	Area [%]
N/A	1,237	3.1
0	32,150	80.8
1	6,394	16.1

WTGs

Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	East	North	Z
1 No	C&F	CF20-20	20	13.1	20.5	BN (AIRY) (Normal)	382,266	446,480
								142.6



3 20 12 09 54 P

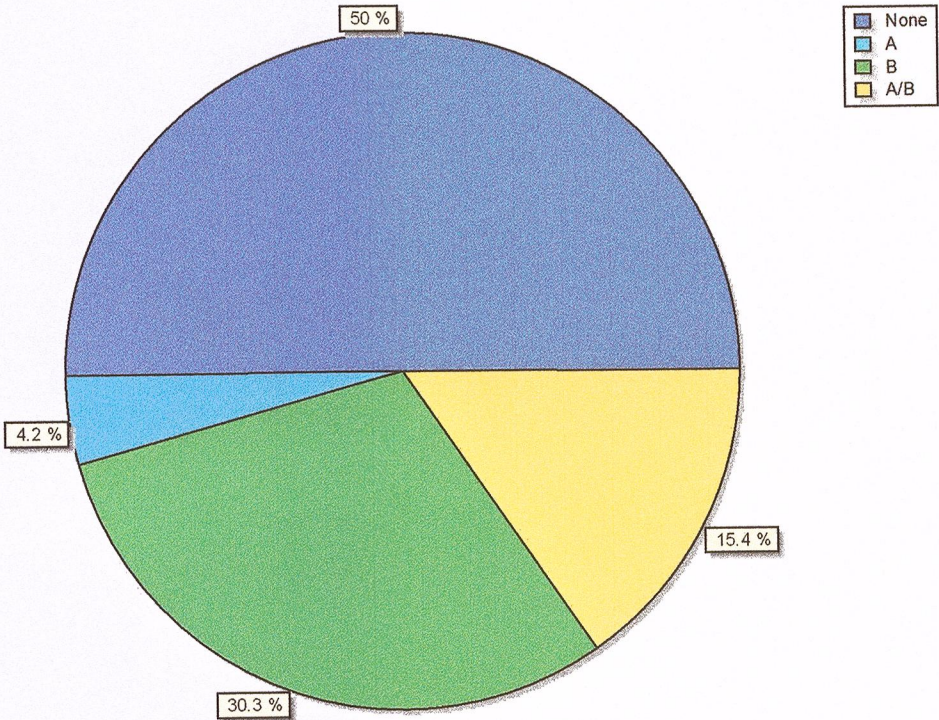
Project: Lower Gazegill
Description: Cumulative ZTV - Lower Gazegill
Proposal: 1 No. 20kW with a 20m hub height.
Entrust
Daresbury Innovation Centre
Keckwick Lane
Daresbury
WA4 4FS
www.en-trust.co.uk
e. info@en-trust.co.uk
t. 01925 607236

Printed/Page
21/02/2013 12:46 / 1
Licensed user:
Entrust
Daresbury Innovation Centre Keckwick Lane
GB-DARESBUY WA4 4FS
+44 1925 607 235
Niall Byrne / niall@en-trust.co.uk
Calculated:
21/02/2013 12:42/2.8.579

320120954P

ZVI - Cumulative impact ZVI summary
Calculation: Cumulative ZTV - Lower Gazegill

Area of combinations of visible wind farms



New WTG

Assumptions for ZVI calculation

Center for calculation	BN (AIRY) (Normal) East: 382,026 North: 446,290
Width of calculation area	20,000 m
Height of calculation area	20,000 m
Calculation step	25 m
Eye height	1.5 m
Calculation area	40,100 ha
Highest relevant visible part of a WTG	Hub height + 1/2 rotor diameter
Obstacles used in calculation	0
DHM object	Height Contours: CONTOURLINE_ONLINEDATA_1.wpo (2)
No area objects used in calculation	6
New WTGs used in calculation	0
Existing WTGs used in calculation	0

No maximum distance to WTG

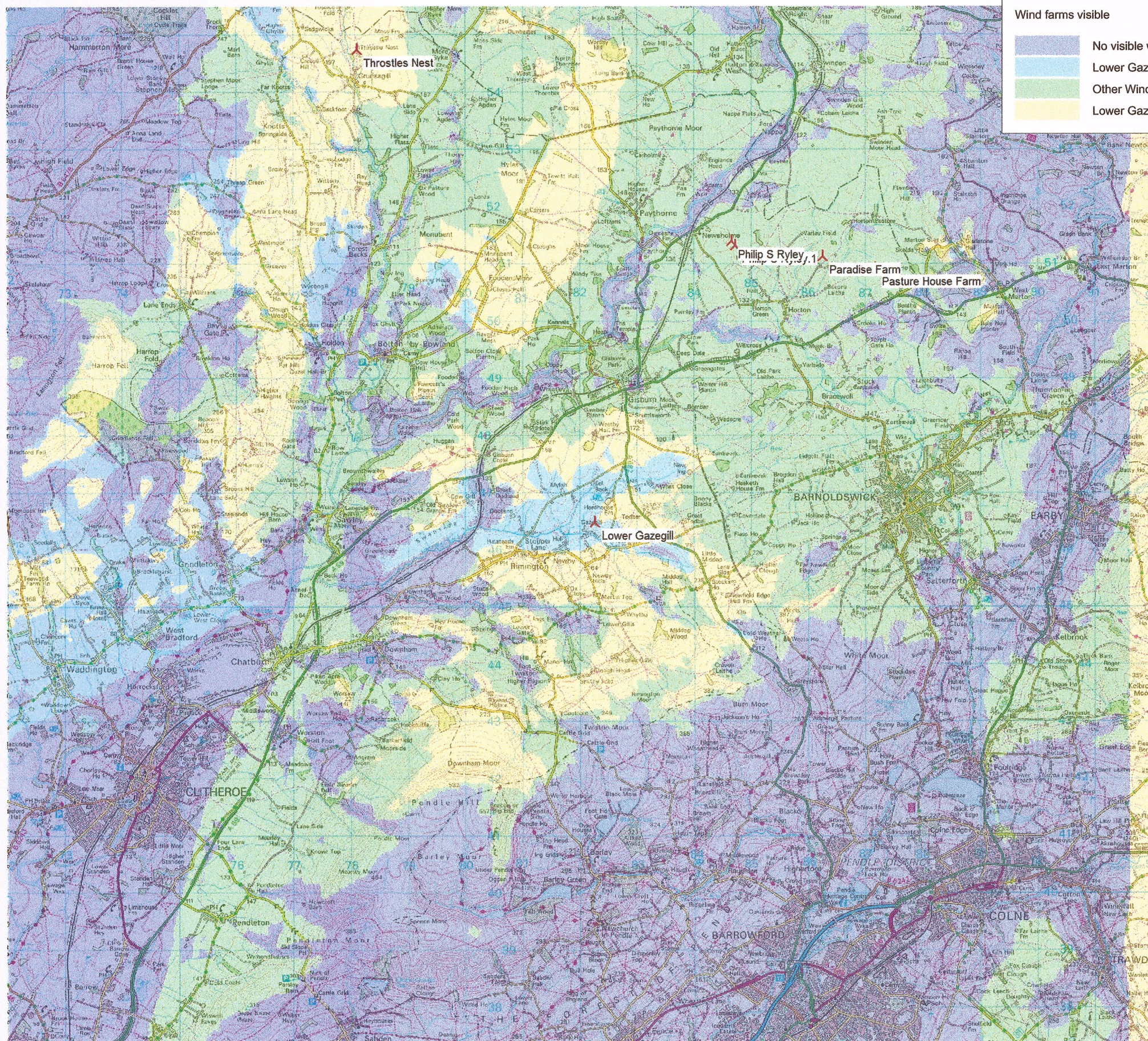
ZVI Results

Wind farm combination	Area [ha]	Area [%]
None	20,067	50.0
A	1,701	4.2
B	12,160	30.3
A/B	6,172	15.4

Wind farms

Layer	Number of WTGs	Total capacity [MW]	Hub height [m]	Type
A Lower Gazegill	1	20.0	20.5	C&F CF20 20 13.1
B Other Wind Turbines	5	134.0	18.0 - 29.0	Mixed wind farm





Wind farms visible

- No visible wind farms
- Lower Gazegill
- Other Wind Turbines
- Lower Gazegill/Other Wind Turbines

Project:

Lower Gazegill

Description:

Cumulative ZTV - Lower Gazegill

Proposal: 1 No. 20kW with a 20m hub height.

Entrust

Daresbury Innovation Centre
 Keckwick Lane
 Daresbury
 WA4 4FS

www.en-trust.co.uk

e. info@en-trust.co.uk

t. 01925 607236

**ZVI - Map****Calculation:**

Cumulative ZTV - Lower Gazegill

Printed/Page

21/02/2013 12:46 / 1

Licensed user:

Entrust

Daresbury Innovation Centre Keckwick Lane
 GB-DARESBUY WA4 4FS

+44 1925 607 235

Niall Byrne / niall@en-trust.co.uk

Calculated:

21/02/2013 12:42/2.8.579

