

Grant Douglas MRTPI Environmental Planning SP Energy Networks





**SP ENERGY
NETWORKS**



SCOTTISHPOWER



IBERDROLA



**SP ENERGY
NETWORKS**

OUR MAIN ACTIVITIES



Production of electricity
from renewable and conventional sources.



Trade in electricity
and gas in wholesale markets.



Transmission and distribution
of electricity.



Sale of electricity,
gas and energy services.



Other activities,
mostly linked to the energy sector.



THE GROUP IN NUMBERS*

+28,300
employees in
the group

13.4M
electricity
customers



+137,300GWh
net
production

+45,200MW
installed
capacity

+229,800GWh
distributed
electricity







4000km of overhead line
320 km of underground cables.
132 substations

40,000km of overhead lines
65,000km of underground cables.
30,000 substations





blight scenery in 'Monarch Of The Glen' country, affecting several of the so-called 'Munro' mountains and the Wallace Monument, above

2 MID WALES 25 miles



From Cefn Coch in Mid Wales to Lower Frankton in Shropshire, the line will pass through unspoiled Vyrnwy Valley, famous for its dam, above, and many listed buildings

OTHER NEW LINES

- 6 Sellafield to Morecambe (42m*), or alternative northern route to join National Grid
- 7 Wyifa, Anglesey to Pentir, North Wales (22m*)
- 8 Richborough to Canterbury, Kent (12.5m)

THE PYLONS: THE MAIN THREATS



3 EAST ANGLIA 25 miles*



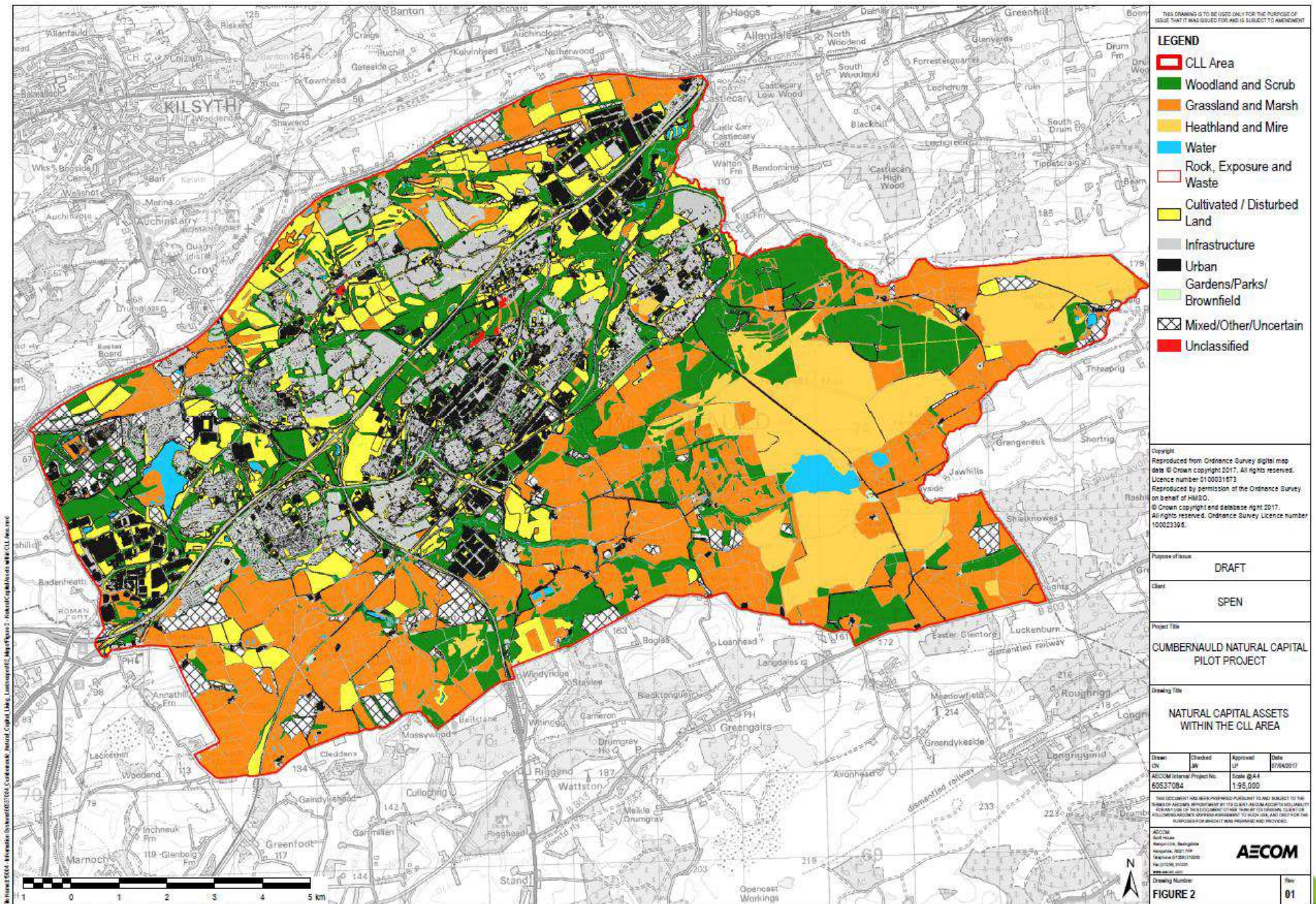
Possible plan to cut through Norfolk Broads would affect popular holiday spot around the River Yare, right

4 SUFFOLK 17 miles









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LEGEND

-  CLL Area
-  Woodland and Scrub
-  Grassland and Marsh
-  Heathland and Mire
-  Water
-  Rock, Exposure and Waste
-  Cultivated / Disturbed Land
-  Infrastructure
-  Urban
-  Gardens/Parks/ Brownfield
-  Mixed/Other/Uncertain
-  Unclassified


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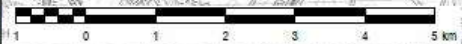
Project Title	DRAFT
Client	SPEN
Project Title	CUMBERNAULD NATURAL CAPITAL PILOT PROJECT

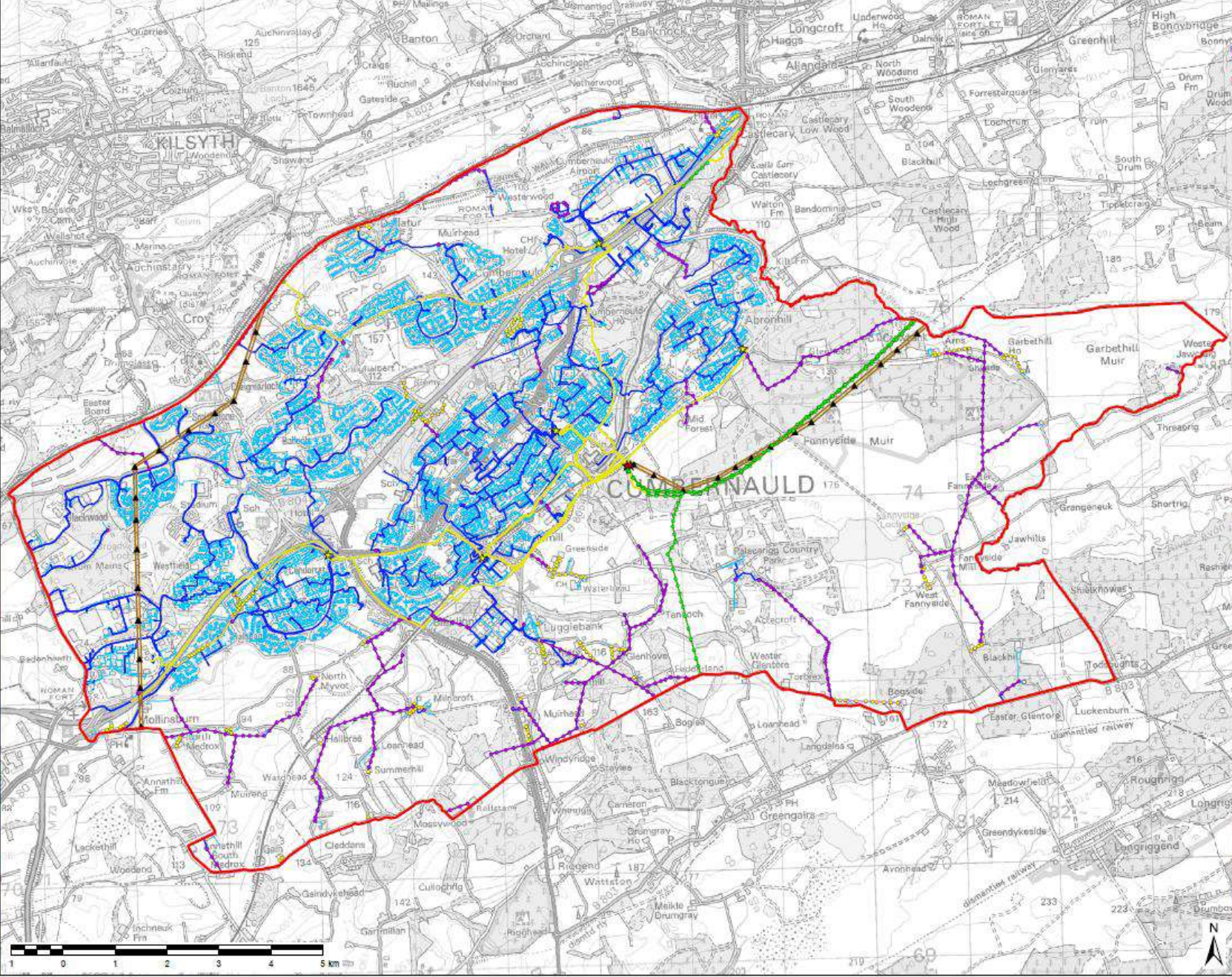
DRAWING TITLE
 NATURAL CAPITAL ASSETS WITHIN THE CLL AREA

Drawn	Checked	Approved	Date
60537084	60537084	60537084	01/06/2017
AECOM Internal Project No.		Scale @A4	
60537084		1:95,000	

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- LEGEND**
- CLL Area
 - E High Voltage Poles
 - High Voltage Poles
 - Low Voltage Poles
 - ▲ Towers
 - ★ Primary Subs
 - ★ Trans Grid Subs
 - Trans OH Lines
 - Flying Stays
 - Stays
 - E High Voltage Cables
 - E High Voltage OH Lines
 - High Voltage Cables
 - Low Voltage Cables
 - High Voltage OH Lines
 - Low Voltage OH Lines

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Purpose of Issue **DRAFT**

Client **SPEN**

Project Title **CUMBERNAULD NATURAL CAPITAL PLOT PROJECT**

Drawing Title **SPEN NON-NATURAL CAPITAL ASSETS WITHIN THE CLL AREA**

Drawn	Checked	Approved	Date
CH	JW	JF	07/04/2017

AECOM Internal Project No: 60537084 Scale @A4 1:55,000

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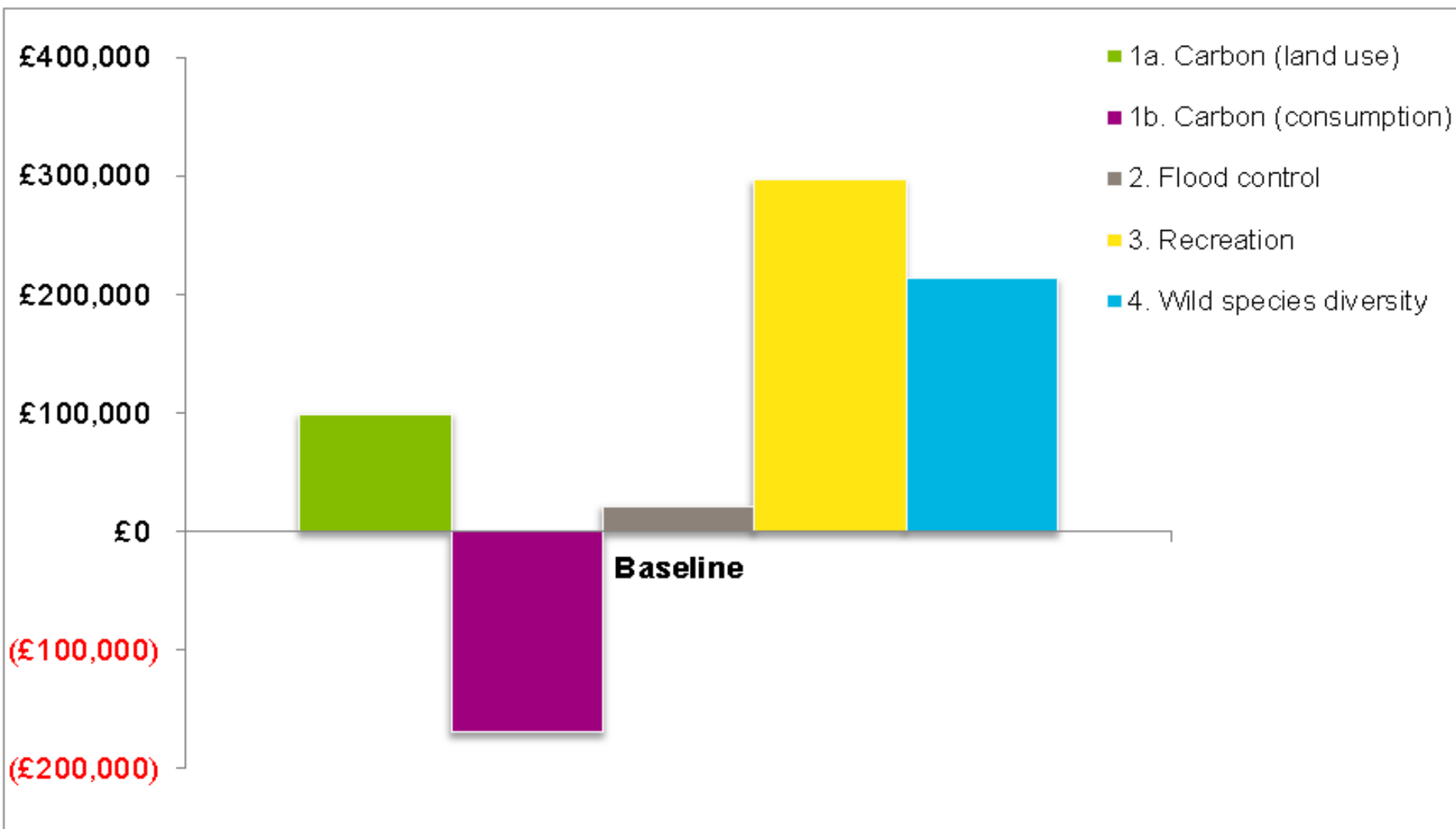
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Drawing Number **FIGURE 3** Rev **01**



- Dealain House
 - 29 metal support structures.
 - 801 wooden support structures.
 - 75,414 metres of overhead lines.
 - 807,000 metres of underground lines.
 - Seven substations.
- Global climate regulation
 - Hazard regulation
 - Recreation
 - Wild species diversity





So what?





Undergrounding?







Financial Capital

Cost to the consumer

Natural Capital

Habitat creation

Social Capital

Green Network



