The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:	Staffordshire County Council		
Project name:	Land West of Rownall Road, Staffordshire		
Applicant:	S&C Energy Limited		
Application type:	Full		
Planning application reference:	SMD/2024/0055		
Completed by:	John Harvey MA ACIEEM, Weddles		
Date of metric completion:	24 January 2024		
Reviewer:			
Calculation iteration:			
Planning authority reviewer:			
Date of planning authority review:			
Target % net gain:	10%		
Irreplaceable habitat present at baseline:	No ✓		
Total site area - including irreplaceable habitat area (hectares):	22.22	Irreplaceable habitat site area (hectares):	0.00
Total off-site area - including irreplaceable habitat area (hectares):	N/A	Irreplaceable habitat area off-site (hectares):	N/A

Main menu

Results

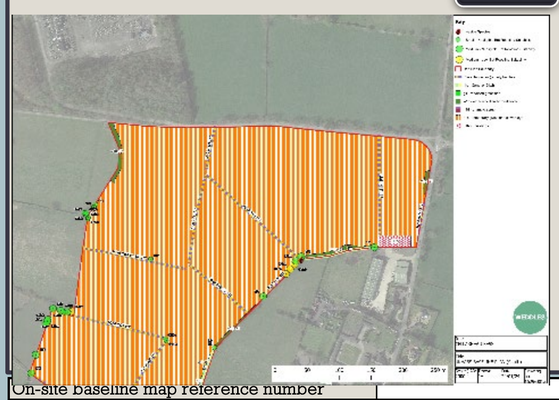
Cell style conventions	
⚠	Attention required
▲	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

View all

Reset view

On-site baseline map

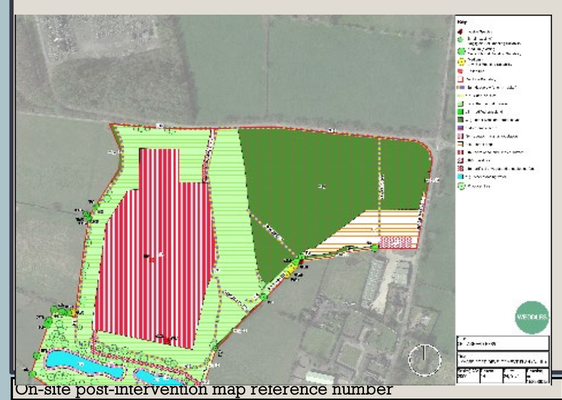
Insert



On-site baseline map reference number

On-site post intervention map

Insert



On-site post-intervention map reference number

Off-site baseline map

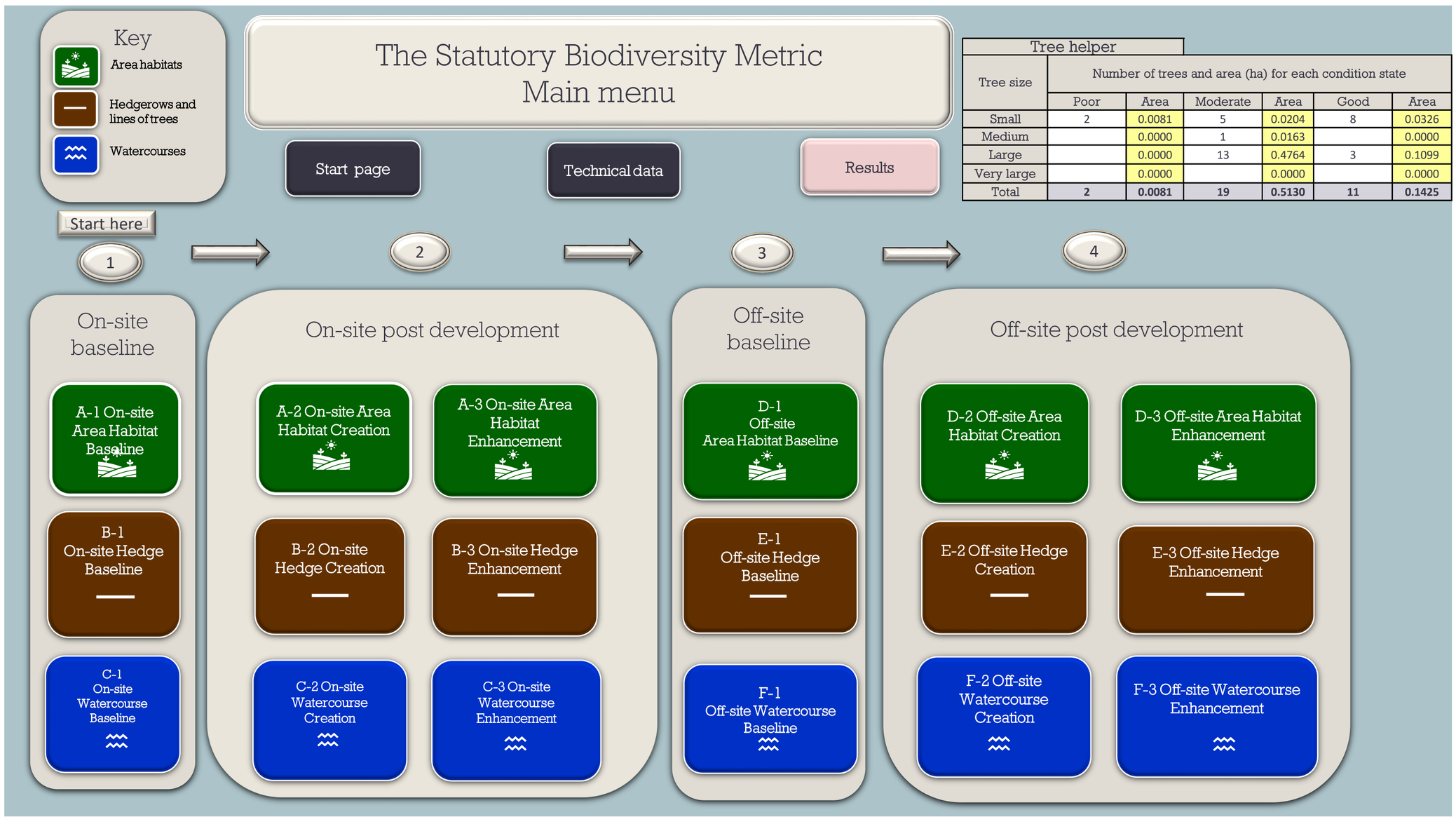
Insert

Off-site baseline map reference number

Off-site post intervention map

Insert

Off-site post-intervention reference number



Tree helper

Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small	2	0.0081	5	0.0204	8	0.0326
Medium		0.0000	1	0.0163		0.0000
Large		0.0000	13	0.4764	3	0.1099
Very large		0.0000		0.0000		0.0000
Total	**2**	**0.0081**	**19**	**0.5130**	**11**	**0.1425**

Project Name: Land West of Rownall Road, Staffordshire Map Reference:

A-1 On-Site Habitat Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	60.87
Total Net % Change	119.10%
Trading Rules Satisfied	Yes ✓

	Existing area habitats				Distinctiveness	Condition	Strategic significance		Ecological baseline								Comments		
Ref.	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	Bespoke compensation agreed for losses of VHDH or irreplaceable habitat	User comments	Planning authority comments	Habitat reference number
1	Cropland	Temporary grass and clover leys	No	21.7252	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	43.45	5.0468		10.09	0.00	16.68	33.36				
2	Woodland and forest	Other woodland; broadleaved	No	0.2006	Medium	Poor	Location ecologically desirable but not in local strategy	Same broad habitat or a higher distinctiveness habitat required. (2)	0.88	0.2006		0.88	0.00	0.00	0.00				
3	Grassland	Modified grassland	No	0.082	Low	Good	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.49	0.082		0.49	0.00	0.00	0.00				
4	Heathland and shrub	Bramble scrub	No	0.1175	Medium	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required. (2)	0.47	0.1175		0.47	0.00	0.00	0.00				
5	Urban	Developed land; sealed surface	No	0.0953	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00	0.0953		0.00	0.00	0.00	0.00				
6	Individual trees	Rural tree	No	0.513	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required. (2)	4.10	0.5049		4.04	0.00	0.01	0.06		x2 elders in group G18 to be felled to allow for the development proposal		
7	Individual trees	Rural tree	No	0.1425	Medium	Good	Area/compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required. (2)	1.71	0.1425		1.71	0.00	0.00	0.00				
8																			
9																			
10																			
11																			
		Total habitat area		22.88					51.11	6.19	0.00	17.69	0.00	16.69	33.42				
		Site Area (Excluding area of individual trees, green walls, intertidal hard structures)		22.22															

Total area lost (excluding area of individual trees, green walls and intertidal hard structures)	16.68

M² to hectares conversion tool:	Select a unit	Hectares	M²

Project Name: Land West of Rownall Road, Staffordshire Map Reference:

A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	60.87
Total Net % Change	119.10%
Trading Rules Satisfied	Yes ✓
Area Check	Area Acceptable ✓

	Post intervention habitats												
				Distinctiveness	Condition	Strategic significance	Temporal multiplier		Difficulty		Comments		
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation	Habitat units delivered	User comments	Planning authority comments	Habitat reference number
1	Grassland	Other neutral grassland	6.6752	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	64.51	g3c		
2	Lakes	Ponds (non-priority habitat)	0.3523	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Low	2.53	r1g		
3	Urban	Developed land; sealed surface	4.4843	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	u1b		
4	Woodland and forest	Other woodland; broadleaved	4.6007	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	15	Low	23.73	w1g		
5	Individual trees	Rural tree	0.4886	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	27	Low	1.49	n/a		
6	Grassland	Other neutral grassland	0.2103	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	2.03	F2d		
7	Urban	Artificial unvegetated, unsealed surface	0.3596	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	u1f		

| | | |

Project Name: Land West of Rownall Road, Staffordshire Map Referenc

B-1 On-Site Hedge Baseline

Condense / Show Columns Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	6.32
Total Net % Change	49.97%
Trading Rules Satisfied	No - check trading summary ▲

	Existing hedgerow habitats			Distinctiveness	Condition	Strategic significance		Ecological baseline									Comments		
Ref	Hedge number	Habitat type	Length (km)	Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Planning authority comments	Habitat reference number
1	H1	Native hedgerow	0.083	Low	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.55	0.083		0.55	0.00	0.00	0.00			
2	H2	Native hedgerow with trees	0.116	Medium	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	1.53	0.058		0.77	0.00	0.06	0.77			
3	H3	Native hedgerow	0.037	Low	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.24	0.037		0.24	0.00	0.00	0.00			
4	H4	Native hedgerow	0.194	Low	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	1.28	0.109		0.72	0.00	0.09	0.56			
5	H5	Native hedgerow	0.137	Low	Moderate	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.60			0.00	0.00	0.14	0.60			
6	H6	Native hedgerow with trees - associated with bank or ditch	0.161	High	Good	Location ecologically desirable but not in local strategy	Like for like or better	3.19			0.00	0.00	0.16	3.19			
7	H7	Native hedgerow	0.142	Low	Moderate	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.62			0.00	0.00	0.14	0.62			
8	H8	Native hedgerow	0.146	Low	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.96	0.146		0.96	0.00	0.00	0.00			
9	H9	Native hedgerow	0.152	Low	Moderate	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.67	0.081		0.36	0.00	0.07	0.31			
10	H10	Native hedgerow	0.124	Low	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.82	0.124		0.82	0.00	0.00	0.00			
11	H11	Native hedgerow	0.116	Low	Moderate	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.51	0.116		0.51	0.00	0.00	0.00			
12	H12	Native hedgerow	0.07	Low	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.46	0.07		0.46	0.00	0.00	0.00			
13	H13	Native hedgerow	0.156	Low	Good	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	1.03	0.156		1.03	0.00	0.00	0.00			
14	H14	Native hedgerow	0.039	Low	Moderate	Location ecologically desirable but not in local strategy	Same distinctiveness band or better	0.17	0.039		0.17	0.00	0.00	0.00			
15																	
16																	
17																	
18																	
19																	
			1.67					12.64	1.02	0.00	6.59	0.00	0.65	6.05			

roject Name: Land West of Rownall Road, Staffordshire Map Reference

B-2 On-Site Hedge Creation

Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	6.32
Total Net % Change	49.97%
Trading Rules Satisfied	No - check trading summary ▲

		Proposed habitats		Distinctiveness	Condition	Strategic significance	Temporal multiplier		Difficulty risk multipliers	Hedge units delivered	Comments		
Ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation		User comments	Planning authority comments	Habitat reference number
1	H15	Species-rich native hedgerow	0.349	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	2.57			
2	H16	Species-rich native hedgerow	0.148	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	1.09			
3	H17	Species-rich native hedgerow	0.395	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	2.91			
4	H18	Species-rich native hedgerow	0.503	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	3.70			
5	H19	Species-rich native hedgerow	0.069	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	0.51			
6	H20	Species-rich native hedgerow	0.113	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	0.83			
7	H21	Species-rich native hedgerow	0.103	Medium	Moderate	Location ecologically desirable but not in local strategy	Standard time to target condition applied	5	Low	0.76			
8													
9													
10													
11													
12													
			1.68							12.37			

Project Name: Land West of Rownall Road, Staffordshire Map

C-1 On-Site WaterC' Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	0.88
Total Net % Change	59.44%
Trading Rules Satisfied	Yes ✓

Existing watercourse type			Distinctiveness	Condition	Strategic significance	Watercourse encroachment	Riparian encroachment	Required Action to Meet Trading Rules	Ecological baseline							Bespoke compensation agreed for losses of VHDH	Comments		
Ref	Watercourse type	Length (km)	Distinctiveness	Condition	Strategic significance	Extent of encroachment	Extent of encroachment for both banks		Total watercourse units	Length retained	Length enhanced	Units retained	Units enhanced	Length Lost	Units Lost		User Comments	Planning authority comments	Habitat reference number
1	Ditches	0.255	Medium	Poor	Area/compensation not in local strategy/ no local strategy	No Encroachment	No Encroachment/ No Encroachment	Same habitat required =	1.02		0.255	0.00	1.02	0.00	0.00				
2	Ditches	0.117	Medium	Poor	Area/compensation not in local strategy/ no local strategy	No Encroachment	No Encroachment/ No Encroachment	Same habitat required =	0.47	0.117		0.47	0.00	0.00	0.00				
3																			
4																			
5																			
6																			
7																			
		0.37							1.49	0.12	0.26	0.47	1.02	0.00	0.00				

Land West of Rownall Road, Staffordshire M

C-3 On-Site WaterC' Enhancement

Condense / Show Columns | Condense

Main Menu

Watercourse summary	
Total Net Unit Change	0.88
Total Net % Change	59.44%
Trading Rules Satisfied	Yes ✓

	Baseline habitats		Change in distinctiveness and condition			Post intervention habitats: Habitat distinctiveness	Habitat condition	Strategic significance	Temporal multiplier		Difficulty multipliers	Watercourse encroachment	Riparian encroachment		Comments		
Baseline ref	Baseline habitat	Proposed habitat	Distinctiveness movement	Condition movement	Length (km)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement	Extent of encroachment	Extent of encroachment for both banks	Watercourse units delivered	User comments	Planning authority comments	Habitat reference number
1	Ditches	Ditches	Medium - Medium	Poor - Moderate	0.255	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	No Encroachment	No Encroachment/ No Encroachment	1.90			
					0.26									1.90			