The Biodiversity Metric 2.0 - Calculation Tool
Start page

Project details

Planning authority:	St Helens Council
Project name:	Omega Zone 8 (Unit 1 detailed proposals)
Applicant:	Omega Warrington Ltd.
Application type:	Hybrid
Planning application reference:	P/2020/0061/HYBR
Assessor:	Mark Morgan (Ecology Practice)
Reviewer:	
Revision:	
Assessment date:	01/04/2020
Planning authority reviewer:	

Cell style conventions

	Enter data
	Automatic lookup
	Result

Instructions

Main menu

Results

View all

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Technical data

Results

Street tree helper		
Tree size	**Tree number**	**Area**
Small		0.0000
Medium		0.0000
Large		0.0000
Total	**0.00**	**0.0000**

Start here

1 → **2** → **3** → **4**

On-site baseline

A-1 On-site habitat

B-1 On-site hedge

C-1 On-Site river baseline

On-site post development

A-2 Habitat creation

A-3 Habitat enhancement

A-4 Habitat accelerated succession

B-2 Hedgerow creation

B-3 Hedgerow enhancement

C-2 River creation

C-3 River enhancement

Off-site baseline

D-1 Off-site habitat

E-1 Off-site hedge baseline

F-1 Off-site river baseline

Off-Site post development

D-2 Habitat creation

D-3 Habitat enhancement

D-4 Habitat accelerated succession

E-2 Hedgerow creation

E-3 Hedgerow enhancement

F-2 River creation

F-3 River enhancement

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Headline results

Detailed results

Habitat trading summary

Headline Results

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On-site baseline	Habitat units	90.02
	Hedgerow units	1.61
	River units	0.00

On-site post-intervention	Habitat units	51.03
	Hedgerow units	8.81
(Including habitat retention, creation, enhancement & succession)	River units	0.00

Off-site baseline	Habitat units	0.00
	Hedgerow units	0.00
	River units	0.00

Off-site post-intervention	Habitat units	0.00
	Hedgerow units	0.00
(Including habitat retention, creation, enhancement & succession)	River units	0.00

Total net unit change	Habitat units	-39.00
	Hedgerow units	7.20
(including all on-site & off-site habitat retention/creation)	River units	0.00

Total net % change	Habitat units	-43.32%
	Hedgerow units	446.94%
(including all on-site & off-site habitat creation + retained habitats)	River units	0.00%

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Ref	Broad Habitat	Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Suggested action to address habitat losses	Total habitat units	Area retained	Area enhanced	Area succession	Baseline units retained	Baseline units enhanced	Baseline units succession	Area lost	Units lost	agreed for unacceptable losses	Assessor comments	Reviewer comments
1	Woodland and forest	Woodland and forest - Lowland mixed deciduous woodland	1.25	High	6	Moderate	2	Medium	Moderately connected habitat	1.1	Within area formally identified in local strategy	High strategic significance	1.15	Same habitat required	18.98	0			0.00	0.00	0.00	1.25	18.98		TJM. Woodland A and most of Big Belt Wood. Moderate due to high cover of sycamore (non-native nut naturalised), unprotected from agricultural practices.	
2	Lakes	Lakes - Ponds (Priority Habitat)	0.31	High	6	Fairly Poor	1.5	Medium	Moderately connected habitat	1.1	Within area formally identified in local strategy	High strategic significance	1.15	Same habitat required	3.53	0			0.00	0.00	0.00	0.31	3.53		TJM. Fail much of criteria hence 'Fairly poor' score. Ponds 1, 4, C, A, AZ, D	
3	Cropland	Cropland - Cereal crops	28.48	Low	2	N/A - Agricultural	1	N/A	Assessment not appropriate	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required	62.66	4.32			9.50	0.00	0.00	24.16	53.15			
4	Heathland and shrub	Heathland and shrub - Bramble scrub	0.32	Medium	4	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required	1.41	0			0.00	0.00	0.00	0.32	1.41			
5	Heathland and shrub	Heathland and shrub - Hawthorn scrub	0.04	Medium	4	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required	0.18	0			0.00	0.00	0.00	0.04	0.18			
6	Grassland	Grassland - Modified grassland	0.26	Low	2	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required	0.57	0			0.00	0.00	0.00	0.26	0.57		Along northern boundary	
7	Grassland	Grassland - Modified grassland	0.02	Low	2	Moderate	2	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required	0.09	0.02			0.09	0.00	0.00	0.00	0.00		Area containing purple ramping fumitory	
8	Urban	Urban - Vacant/derelict land/ bareground	0.23	Low	2	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required	0.51	0			0.00	0.00	0.00	0.23	0.51			
9	Woodland and forest	Woodland and forest - Other woodland; broadleaved	0.24	Medium	4	Moderate	2	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required	2.11	0			0.00	0.00	0.00	0.24	2.11		Scattered trees surround ponds. Not included in strategically significant carea as techincally not woodland belts but scattered trees around ponds etc.	

Omega Zone 8 (Unit 1 detailed proposals)

A-2 Site Habitat Creation

Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of creation category	Difficulty of creation multiplier	Habitat units delivered	Assessor comments	Reviewer comments
Lakes - Ponds (Priority Habitat)	0.64	High	6	Good	3	Medium	Moderately connected habitat	1.1	Within area formally identified in local strategy	High strategic significance	1.15	10	0.700	Medium	0.67	6.84		
Woodland and forest - Lowland mixed deciduous woodland	1.42	High	6	Good	3	Medium	Moderately connected habitat	1.1	Within area formally identified in local strategy	High strategic significance	1.15	32+	0.320	High	0.33	3.41		
Urban - Introduced shrub	0.06	Low	2	Good	3	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0.965	Low	1	0.38		
Urban - Developed land; sealed surface	20.87	V.Low	0	N/A - Other	0	N/A	Assessment not appropriate	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	0	1.000	Low	1	0.00		
Grassland - Lowland meadows	2.36	V.High	8	Good	3	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	15	0.586	High	0.33	13.25		
Grassland - Floodplain Wetland Mosaic (CFGM)	0.88	High	6	Good	3	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0.343	High	0.33	2.17		
Grassland - Modified grassland	0.13	Low	2	Good	3	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	15	0.586	Low	1	0.50		
Urban - Amenity grassland	0.04	Low	2	Moderate	2	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	3	0.899	Low	1	0.16		
Grassland - Tall herb communities	0.21	High	6	Good	3	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0.343	High	0.33	0.52		
Woodland and forest - Other woodland; broadleaved	0.2	Medium	4	Good	3	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	32+	0.320	Medium	0.67	0.59		
Woodland and forest - Lowland mixed deciduous woodland	1.77	High	6	Good	3	Medium	Moderately connected habitat	1.1	Within area formally identified in local strategy	High strategic significance	1.15	32+	0.320	High	0.33	4.25	46.33% of mitigation aportioned to deatiled plot. Habitat provided within the 'Green Triangle', within the red line boundary but west of the detailed plot	
Lakes - Ponds (Priority Habitat)	0.15	High	6	Good	3	Medium	Moderately connected habitat	1.1	Within area formally identified in local strategy	High strategic significance	1.15	10	0.700	Medium	0.67	1.60	46.33% of mitigation aportioned to deatiled plot. Habitat provided within the 'Green Triangle', within the red line boundary but west of the detailed plot	
Grassland - Lowland meadows	1.38	V.High	8	Good	3	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	15	0.586	High	0.33	7.75	46.33% of mitigation aportioned to deatiled plot. Habitat provided within the 'Green Triangle', within the red line boundary but west of the detailed plot	

Omega Zone 8 (Unit 1 detailed proposals)
B-1 Site Hedge Baseline

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		UK Habitats - existing habitats			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Ecological baseline	Retention category biodiversity value						Comments	
Baseline ref	Hedge number	Hedgerow type	length KM	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Suggested action to address habitat losses	Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments
1		Native Hedgerow	0.09	Low	2	Moderate	2	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.414	0		0	0	0.09	0.414	HR 3 within TJM	
2		Line of Trees - Associated with bank or ditch	0.26	Low	2	Moderate	2	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.196	0		0	0	0.26	1.196	TJM - line of trees with ditch located within expansion land area. Continuous canaopy with occasional gaps, with no gaps making up over 5m. Trees generally not mature.	
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Omega Zone 8 (Unit 1 detailed proposals)

D-2 Off Site Habitat Creation

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| | | | | | | Post development/ post intervention habitats | | | | | | | | | | | | | Comments | |
| | | | | | | Ecological connectivity | | | Strategic significance | | | Temporal multiplier | | Difficulty multipliers | | Spatial risk multiplier | | | | |
Proposed habitat	Area ha	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of creation category	Difficulty of creation multiplier	Spatial risk category	Spatial risk multiplier	Habitat units delivered	Assessor comments	Reviewer comments

		Omega Zone 8 (Unit 1 detailed proposals)																

B-2 Site Hedge Creation

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										Multipliers								
		Proposed habitats			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance (Spatial quality)			Temporal multiplier		Difficulty of creation multiplier	Hedge units delivered	Comments
Baseline ref	New hedge number	Habitat type	Length km		Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier			Assessor comments	Reviewer comments
1		Native Species Rich Hedgerow	1.19		Medium	4	Good	3	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	10	0.700	0.67	7.71	
2		Hedge Ornamental Non Native	0.19		V.Low	0	Good	3	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	10	0.700	1	0.00	
3																			
4		Native Species Rich Hedgerow	0.17		Medium	4	Good	3	Low	Unconnected habitat	1	Within area formally identified in local strategy	High strategic significance	1.15	10	0.700	0.67	1.10	46.33% of total hedgerow provision in Green Triangle
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Omega Zone 8 (Unit 1 detailed proposals)
E-2 Off Site Hedge Creation

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Baseline ref	New hedge number	Proposed habitats			Distinctiveness	Score	Condition	Score	Ecological connectivity			Strategic significance			Spatial risk multiplier		Temporal multiplier		Difficulty multiplier		Hedge units delivered	Comments	
		Habitat type	Length km						Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Spatial risk category	Spatial risk multiplier	Time to target condition/years	Time to target multiplier	Difficulty of creation category	Difficulty of creation multiplier		Assessor comments	Reviewer comments
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