

The Statutory Biodiversity Metric
Start page

| Project details | | | |
|--|--------------------------------------|---|------|
| Planning authority: | Arun District Council | | |
| Project name: | Land East of Commonmead Barn, Pagham | | |
| Applicant: | Mr Phillips | | |
| Application type: | Full | | |
| Planning application reference: | TBC | | |
| Completed by: | George Sayer MCIEEM | | |
| Date of metric completion: | 09 September 2025 | | |
| Reviewer: | | | |
| Calculation iteration: | 1 | | |
| 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): | 0.21 | Irreplaceable habitat site area (hectares): | 0.00 |
| Total off-site area - including irreplaceable habitat area (hectares): | 0.10 | Irreplaceable habitat area off-site (hectares): | N/A |

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

On-site baseline map

Insert

On-site baseline map reference number

Off-site baseline map

Insert

Off-site baseline map reference number

On-site post intervention map

Insert

On-site post-intervention map reference number

Off-site post intervention map

Insert

Off-site post-intervention reference number

Main menu

Results

View all

Reset view

| |
|--------------------------------------|
| Land East of Commonmead Barn, Pagham |
| Headline Results |
| Scroll down for final results |

Return to
results menu

| | | | | |
|---|--------------------|-------|---------|--|
| On-site baseline | Area habitat units | 0.22 | | |
| | Hedgerow units | 0.05 | | |
| | Watercourse units | 0.00 | | |
| On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small> | Area habitat units | 0.16 | | |
| | Hedgerow units | 0.02 | | |
| | Watercourse units | 0.00 | | |
| On-site net change <small>(units & percentage)</small> | Area habitat units | -0.06 | -25.99% | On-site net gain is less than target set |
| | Hedgerow units | -0.03 | -55.56% | On-site net gain is less than target set |
| | Watercourse units | 0.00 | 0.00% | |

| | | | | |
|--|--------------------|------|--------|--|
| Off-site baseline | Area habitat units | 0.20 | | |
| | Hedgerow units | 0.00 | | |
| | Watercourse units | 0.00 | | |
| Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small> | Area habitat units | 0.28 | | |
| | Hedgerow units | 0.03 | | |
| | Watercourse units | 0.00 | | |
| Off-site net change <small>(units & percentage)</small> | Area habitat units | 0.08 | 42.15% | |
| | Hedgerow units | 0.03 | N/A | Zero baseline units - % cannot be calculated |
| | Watercourse units | 0.00 | 0.00% | |

| | | | | |
|---|--------------------|------|--|--|
| Combined net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small> | Area habitat units | 0.03 | | |
| | Hedgerow units | 0.01 | | |
| | Watercourse units | 0.00 | | |
| Spatial risk multiplier (SRM) deductions | Area habitat units | 0.00 | | |
| | Hedgerow units | 0.00 | | |
| | Watercourse units | 0.00 | | |

FINAL RESULTS

| | | | | |
|--|--------------------|--------|--|--|
| Total net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small> | Area habitat units | 0.03 | | |
| | Hedgerow units | 0.01 | | |
| | Watercourse units | 0.00 | | |
| Total net % change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small> | Area habitat units | 13.22% | | |
| | Hedgerow units | 12.12% | | |
| | Watercourse units | 0.00% | | |
| Trading rules satisfied? | Yes | | | |

| Unit Type | Target | Baseline Units | Units Required | Unit Deficit | |
|--------------------|--------|----------------|----------------|--------------|--|
| Area habitat units | 10.00% | 0.22 | 0.24 | 0.00 | No additional area habitat units required to meet target |
| Hedgerow units | 10.00% | 0.05 | 0.05 | 0.00 | No additional hedgerow units required to meet target |
| Watercourse units | 10.00% | 0.00 | 0.00 | 0.00 | No additional watercourse units required to meet target |

Project Name: Land East of Commonweald Barn, Pooleham Map Reference:
A-1 On-Site Habitat Baseline

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| Area habitat summary | |
|--------------------------|--------|
| Total Net Unit Change | 0.08 |
| Total Net % Change | 19.89% |
| Tracking Rules Satisfied | Yes / |

| Ref | Existing area habitats | | | | Distinctiveness | | Condition | | Strategic significance | | | Required Action to Meet Tracking Rules | Ecological baseline | |
|-----|------------------------|--|-----------------------|--|-----------------|-------|-------------|-------|---|-----------------------------------|-----------------------------------|--|---------------------|--|
| | Broad Habitat | Habitat Type | Irreplaceable habitat | Area (hectares) | Distinctiveness | Score | Condition | Score | Strategic significance | Strategic significance multiplier | Strategic significance multiplier | | Total habitat units | |
| 1 | Grassland | Modified grassland | No | 0.1035 | Low | 2 | Poor | 1 | Area/compensation not in local strategy no local strategy | Low Strategic Significance | 1 | Some distinctiveness or better habitat required? | 0.23 | |
| 2 | Urbans | Artificial unpermeated, unsealed surface | No | 0.04 | V Low | 0 | N/A - Other | 0 | Area/compensation not in local strategy no local strategy | Low Strategic Significance | 1 | Compensation Not Required | 0.00 | |
| 3 | Urbans | Developed land, sealed surface | No | 0.0002 | V Low | 0 | N/A - Other | 0 | Area/compensation not in local strategy no local strategy | Low Strategic Significance | 1 | Compensation Not Required | 0.00 | |
| 4 | Urbans | Developed land, sealed surface | No | 0.007 | V Low | 0 | N/A - Other | 0 | Area/compensation not in local strategy no local strategy | Low Strategic Significance | 1 | Compensation Not Required | 0.00 | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | |
| | | | | Total habitat area | | 0.81 | | | | | | | 0.38 | |
| | | | | Rip Area (excluding area of individual trees, grass walls, intertidal hard structures) | | 0.81 | | | | | | | | |

| | | | | | | Response compensation agreed for losses of VYEH or Irreplaceable habitat | Comments | | |
|---------------|---------------|-------------------------|-------------------------|-------------------|------------|--|---|-----------------------------|--------------------------|
| Area retained | Area enhanced | Baseline units retained | Baseline units enhanced | Area habitat lost | Units lost | | User comments | Planning authority comments | Habitat reference number |
| 0.08 | | 0.08 | 0.00 | 0.08 | 0.18 | | Grassland | | |
| | | 0.00 | 0.00 | 0.04 | 0.00 | | Access Track and area of margins, containers etc. | | |
| | | 0.00 | 0.00 | 0.01 | 0.00 | | Buildings | | |
| 0.007 | | 0.00 | 0.00 | 0.00 | 0.00 | | Access Road | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 0.08 | 0.00 | 0.08 | 0.00 | 0.18 | 0.18 | | | | |

Total area lost (including area of individual trees, grass walls and intertidal hard structures)

0.18

| | | | |
|---------------------------------|--------------|----------|----|
| MP to baseline conversion tool: | Below a unit | Baseline | MP |
|---------------------------------|--------------|----------|----|

Project Name: Land Port of Commercial Dev. Program Map Reference:

A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary

Total Net Chg

0.00

Total Net % Change

13.39%

Trading Rules Detailed

Yes ✓

Area Check

Area Acceptable ✓

| Ref | Broad Habitat | Proposed habitat | Area (hectares) | Disturbance | | Condition | | Strategic significance | | | Post intervention habitat | | | | Prepared multiplier | | | | Voluntary multipliers | | | | Comments | | | |
|---|---------------|---------------------------------|-----------------|-------------|-------|---------------------------|-------|---|-----------------------------------|-----------------------------------|---|------------------------------------|---|---|--|---------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|---------------|-----------------------------|--------------------------|--|--|
| | | | | Disturbance | Score | Condition | Score | Strategic significance | Strategic significance multiplier | Strategic significance multiplier | Standard time to target condition (years) | Habitat created in advance (years) | Delay to achieving habitat creation (years) | Standard or adjusted time to target condition | Final time to target condition (years) | Final time to target multiplier | Standard difficulty of creation | Applied difficulty multiplier | Final difficulty of creation | Difficulty multiplier applied | Habitat net difference | User comments | Planning authority comments | Habitat reference number | | |
| 1 | Urban | Developed land, sealed surfaces | 0.0000 | Very Low | 0 | High - Other | 0 | Area/compensation not in local strategy no local strategy | Low Strategic Significance | 1 | 0 | | | Standard time to target condition applied | 0 | 1.000 | Low | Standard difficulty applied | Low | 1 | 0.00 | | | | | |
| 2 | Urban | Vegetated garden | 0.0000 | Low | 2 | Condition Assessment 100% | 1 | Area/compensation not in local strategy no local strategy | Low Strategic Significance | 1 | 1 | | | Standard time to target condition applied | 1 | 0.005 | Low | Standard difficulty applied | Low | 1 | 0.10 | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total habitat area: | | | 0.10 | | | | | | | | | | | | | | | | | | | | Total Value: | 0.11 | | |
| Site Area (Including area of individual trees, green walls, intertidal hard structures) | | | 0.10 | | | | | | | | | | | | | | | | | | | | | | | |
| MP to achieve conversion to: | | | Submit a bid | Recharge | MP | | | | | | | | | | | | | | | | | | | | | |

| Area habitat summary | |
|-----------------------------|--------|
| Total Wet Unit Change | 0.00 |
| Total Wet % Change | 15.82% |
| Wetland Status Satisfactory | Yes ✓ |

| Project Name: Land Use of Commenced Area, Paghun | | Map Reference: | |
|--|-------------------|---------------------------|--|
| D-8 Off-Site Habitat Creation | | | |
| Coordinates (Start Coordinates) | | Coordinates (Share Point) | |
| Map Sheet: | | | |
| Area habitat summary | | | |
| Total Net Use Change | 0.03 | | |
| Total Net % Change | 10.00% | | |
| Travelling Rate Reduced | Yes ✓ | | |
| Area Check | Area Acceptable ✓ | | |

| Post intervention habitat | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------------|-----------------|-----------------|-------|-----------|-------|-------------------------------------|-----------------------------|-----------------------------------|---|---|---|---|---|--------------------------------|---------------------------------|-------------------------------|-----------------------------|---------------------|------------------------------|--|-----------------------|--------------|-----------------------------|-------------------|--------------------|-------------|
| Ref | Broad Habitat | Proposed habitat | Area (hectares) | Characteristics | Score | Condition | Score | Strategic significance | | | | Temporal risk multiplier | | | | Difficulty risk multiplier | | | Spatial risk multiplier | Risks with delivery | Comments | | | | | | | |
| | | | | | | | | Strategic significance | Strategic significance | Strategic significance multiplier | Standard time to target condition (years) | Habitat created in adjacent areas (Green) | Delay in achieving habitat creation (Green) | Standard or adjusted time to target condition | Final time to target condition (years) | Final time to target condition | Standard difficulty of creation | Applied difficulty multiplier | | | Final difficulty of creation | Difficulty multiplier applied | Spatial risk category | Use comments | Planning authority comments | Habitat reference | Off-site reference | Reserve Ref |
| 1 | Grassland | Other neutral grassland | 0.011 | Mildness | 4 | Good | 3 | Formerly identified as land-at-risk | High strategic significance | 1.10 | 10 | | | | Standard time to target condition applied | 10 | 0.700 | Low | Standard difficulty applied | Low | 1 | Compensation inside LPA boundary or NCA of adjacent site | 0.11 | | | | 1 | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total habitat area: | | | 0.01 | | | | | | | | | | | | | 0.11 | | | | | | | | | | | | |
| Site Area (Shedding area of individual trees, grass walk, intertidal land (green)) | | | 0.01 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NP to business connection tool: | | | Refers to unit | Shedding | NP | | | | | | | | | | | | | | | | | | | | | | | |

Project Name: Land East of Commonmead Barn, Pagham Map Reference:

B-1 On-Site Hedge Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

Hedgerow summary

Total Net Unit Change

0.01

Total Net % Change

18.18%

Trading Rules Believed

Yes ✓

| Ref | Hedge number | Existing hedgerow habitats | | Distinctiveness | | Condition | | Strategic significance | | | Required Action to Meet Trading Rules | Ecological baseline Total hedgerow units |
|-----|--------------|------------------------------------|-------------|-----------------|-------|-----------|-------|--|----------------------------|-----------------------------------|---------------------------------------|--|
| | | Habitat type | Length (km) | Distinctiveness | Score | Condition | Score | Strategic significance | Strategic significance | Strategic significance multiplier | | |
| 1 | 1 | Non-native and ornamental hedgerow | 0.048 | V Low | 1 | Poor | 1 | Area/compensation not in local strategy/ no local strategy | Low Strategic Significance | 1 | Same distinctiveness based on better | 0.05 |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | 0.05 | | | | | | | | | 0.05 |

| | | | | | | Comments | | |
|-----------------|-----------------|----------------|----------------|-------------|------------|---------------|-----------------------------|--------------------------|
| Length retained | Length enhanced | Units retained | Units enhanced | Length lost | Units lost | User comments | Planning authority comments | Habitat reference number |
| 0.03 | | 0.03 | 0.00 | 0.03 | 0.03 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 0.03 | 0.00 | 0.03 | 0.00 | 0.03 | 0.03 | | | |

Project Name: Land Use of Commonsland, Higham Map Reference:
E-2 Off-Site Hedge Creation

Condense / Show Columns

Main Menu

Condense / Show Rows

| Hedge row summary | |
|-----------------------|--------|
| Total Wet Wet Change | 0.01 |
| Total Wet W Change | 15.13% |
| Total Wet W Reduction | 1% |

| | | Proposed habitat | | Disturbance | | Condition | | Strategic significance | | | Spatial risk multiplier | | Temporal multiplier | | | | Difficulty risk multiplier | | | | Comments | | | | | | |
|-----|--------------|--------------------------------------|-------------|-------------|-------|-----------|-------|--|-----------------------------------|-----------------------------------|--|---|------------------------------------|--|---|--|---------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|---------------|-----------------------------|-------------------|--------------------|--------------|
| Ref | Hedge number | Habitat type | Length (km) | Disturbance | Score | Condition | Score | Strategic significance | Strategic significance multiplier | Strategic significance multiplier | Spatial risk category | Standard Time to target condition (years) | Habitat created in advance (years) | Delay in starting habitat creation (years) | Standard or adjusted time to target condition | Final time to target condition (years) | Final Time to target multiplier | Standard difficulty of creation | Applied difficulty multiplier | Final difficulty of creation | Difficulty multiplier applied | Design note referenced | User comments | Planning authority comments | Initial reference | Off-site reference | Baseline ref |
| 1 | B | Species rich native hedge with trees | 0.001 | High | 6 | Good | 5 | Primarily identified as local strategy | High strategic significance | 1.15 | Compensation inside LAR boundary or NCR of impact site | 20 | | | Standard time to target condition adjusted | 20 | 0.400 | Low | Standard difficulty applied | Low | 1 | 0.00 | | | | | 52 |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | | |