# The Statutory Biodiversity Metric
# Start page

| Project details | | | |
|---|---|---|---|
| Planning authority: | Kirklees Metropolitan Council | | |
| Project name: | Marsden Island | | |
| Applicant: | CS District Ltd. | | |
| Application type: | Full | | |
| Planning application reference: | TBD | | |
| Completed by: | KT Smith BSc (Hons), MSc - Consultant Ecologist at Enzygo Ltd. | | |
| Date of metric completion: | 27.10.25 | | |
| Reviewer: | Chris Schofield BSc (Hons), MSc ACIEEM - Principal Ecologist at Enzygo Ltd. | | |
| Calculation iteration: | Rev C | | |
| Planning authority reviewer: | TBD | | |
| Date of planning authority review: | TBD | | |
| Target % net gain: | 10% | | |
| Irreplaceable habitat present at baseline: | No ✓ | | |
| Total site area - including irreplaceable habitat area (hectares): | 1.49 | 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 | Classification Map P02 (Enz |
|---|---|

## On-site post intervention map

Insert

| On-site post-intervention map reference number | ape Plan PP0013 (Cit |
|---|---|

## Off-site baseline map

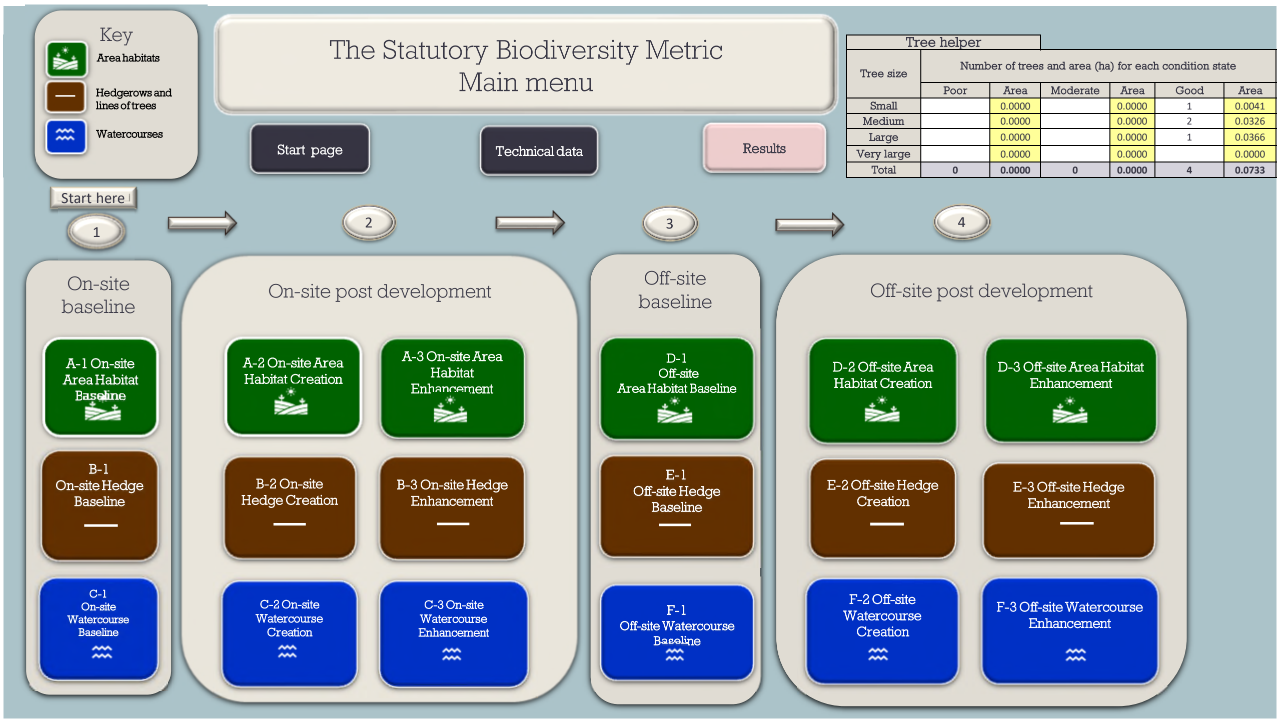
Insert

| 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 | | 0.0000 | | 0.0000 | 1 | 0.0041 |
| Medium | | 0.0000 | | 0.0000 | 2 | 0.0326 |
| Large | | 0.0000 | | 0.0000 | 1 | 0.0366 |
| Very large | | 0.0000 | | 0.0000 | | 0.0000 |
| Total | 0 | 0.0000 | 0 | 0.0000 | 4 | 0.0733 |

# The Statutory Biodiversity Metric
# Results

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Headline results

Detailed results

Habitat trading summaries

Off-site summary

Irreplaceable habitats summary

Unit shortfall summary

Marsden Island

## Headline Results

Scroll down for final results ⚠

Return to results menu

| | | | | |
|---|---|---|---|---|
| On-site baseline | Habitat units | 5.24 | | |
| | Hedgerow units | 2.47 | | |
| | Watercourse units | 3.00 | | |
| On-site post-intervention (Including habitat retention, creation & enhancement) | Habitat units | 5.04 | | |
| | Hedgerow units | 1.74 | | |
| | Watercourse units | 3.00 | | |
| On-site net change (units & percentage) | Habitat units | -0.20 | -3.81% | On-site net gain is less than target set ⚠ |
| | Hedgerow units | -0.73 | -29.49% | On-site net gain is less than target set ⚠ |
| | Watercourse units | 0.00 | 0.00% | On-site net gain is less than target set ⚠ |
| Off-site baseline | Habitat units | 0.00 | | |
| | Hedgerow units | 0.00 | | |
| | Watercourse units | 0.00 | | |
| Off-site post-intervention (Including habitat retention, creation & enhancement) | Habitat units | 0.00 | | |
| | Hedgerow units | 0.00 | | |
| | Watercourse units | 0.00 | | |
| Off-site net change (units & percentage) | Habitat units | 0.00 | 0.00% | |
| | Hedgerow units | 0.00 | 0.00% | |
| | Watercourse units | 0.00 | 0.00% | |
| Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement) | Habitat units | -0.20 | | |
| | Hedgerow units | -0.73 | | |
| | Watercourse units | 0.00 | | |
| Spatial risk multiplier (SRM) deductions | Habitat units | 0.00 | | |
| | Hedgerow units | 0.00 | | |
| | Watercourse units | 0.00 | | |

## FINAL RESULTS

| | | | |
|---|---|---|---|
| Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement) | Habitat units | -0.20 | |
| | Hedgerow units | -0.73 | |
| | Watercourse units | 0.00 | |
| Total net % change (Including all on-site & off-site habitat retention, creation & enhancement) | Habitat units | -3.81% | Total net gain achieved is less than target set ▲ |
| | Hedgerow units | -29.49% | Total net gain achieved is less than target set ▲ |
| | Watercourse units | 0.00% | Total net gain achieved is less than target set ▲ |
| Trading rules satisfied? | No - Check Trading Summaries ▲ | | |

| Unit Type | Target | Baseline Units | Units Required | Unit Deficit |
|---|---|---|---|---|
| Habitat units | 10.00% | 5.24 | 5.76 | 0.72 |
| Hedgerow units | 10.00% | 2.47 | 2.72 | 0.98 |
| Watercourse units | 10.00% | 3.00 | 3.30 | 0.30 |

Input errors/rule breaks present in metric ▲

| Marsden Island |
|---|
| Detailed Results |

Return to results menu

## Summary Figures

| Net project biodiversity units (Including all on-site & off-site habitat retention / creation) | | |
|---|---|---|
| | *Habitat units* | **-0.20** |
| | *Hedgerow units* | **-0.73** |
| | *Watercourse units* | **0.00** |

| Total project biodiversity % change (Including all on-site & off-site habitat creation + retained habitats) | | |
|---|---|---|
| | *Habitat units* | **-3.81%** |
| | *Hedgerow units* | **-29.49%** |
| | *Watercourse units* | **0.00%** |

| Combined habitat retention and enhancement | Habitats | Hedgerows | Watercourses |
|---|---|---|---|
| Total on-site and off-site baseline area / length | 1.60 | 0.15 | 0.50 |
| Total on-site and off-site baseline units | 5.24 | 2.47 | 3.00 |
| Total on-site and off-site baseline area / length retained | 0.39 | 0.08 | 0.50 |
| Total on-site and off-site baseline units retained | 2.59 | 1.52 | 3.00 |
| Total on-site and off-site area / length proposed for enhancement | 0.00 | 0.00 | 0.00 |
| Total on-site and off-site baseline units proposed for enhancement | 0.00 | 0.00 | 0.00 |
| Total on-site and off-site baseline area / length lost | 1.20 | 0.07 | 0.00 |
| Total on-site and off-site baseline units lost | 2.65 | 0.95 | 0.00 |

## Area habitats

**On-site change by broad habitat type**

| Habitat group | Baseline: On-site existing area | Baseline: On-site existing value | Post-development on-site: On-site proposed area | Post-development on-site: On-site proposed value | On-site change: On-site area change | On-site change: On-site unit change |
|---|---|---|---|---|---|---|
| Cropland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grassland | 0.39 | 1.59 | 0.45 | 2.00 | 0.07 | 0.41 |
| Heathland and shrub | 0.01 | 0.03 | 0.01 | 0.03 | 0.00 | 0.00 |
| Lakes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sparsely vegetated land | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Urban | 1.04 | 1.55 | 0.98 | 0.24 | -0.06 | -1.30 |
| Wetland | 0.06 | 0.79 | 0.06 | 0.79 | 0.00 | 0.00 |
| Woodland and forest | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Intertidal sediment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Coastal saltmarsh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rocky shore | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Coastal lagoons | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Intertidal hard structures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Watercourse footprint | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Individual trees | 0.11 | 1.29 | 0.34 | 1.98 | 0.23 | 0.69 |

**Off-site change by broad habitat type**

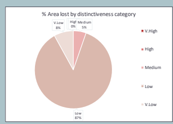
| Habitat group | Baseline: Off-site existing area | Baseline: Off-site existing value | Post-development off-site: Off-site proposed area | Post-development off-site: Off-site proposed value | Off-site change: Off-site area change | Off-site change: Off-site unit change |
|---|---|---|---|---|---|---|
| Cropland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grassland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Heathland and shrub | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lakes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sparsely vegetated land | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Urban | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Wetland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Woodland and forest | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Intertidal sediment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Coastal saltmarsh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rocky shore | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Coastal lagoons | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Intertidal hard structures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Watercourse footprint | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Individual trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

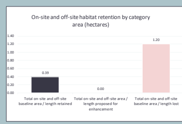
**Combined on-site and off-site change by broad habitat type**

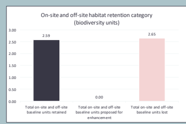
| Habitat group | Baseline: Combined existing area | Baseline: Combined existing value | On-site and off-site post-development: Combined proposed area | On-site and off-site post-development: Combined proposed value | Combined change: Combined area change | Combined change: Combined unit change |
|---|---|---|---|---|---|---|
| Cropland | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Grassland | 0.39 | 1.59 | 0.45 | 2.00 | 0.07 | 0.41 |
| Heathland and shrub | 0.01 | 0.03 | 0.01 | 0.03 | 0.00 | 0.00 |
| Lakes | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sparsely vegetated land | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Urban | 1.04 | 1.55 | 0.98 | 0.24 | -0.06 | -1.30 |
| Wetland | 0.06 | 0.79 | 0.06 | 0.79 | 0.00 | 0.00 |
| Woodland and forest | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Intertidal sediment | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Coastal saltmarsh | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rocky shore | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Coastal lagoons | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Intertidal hard structures | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Watercourse footprint | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Individual trees | 0.11 | 1.29 | 0.34 | 1.98 | 0.23 | 0.69 |

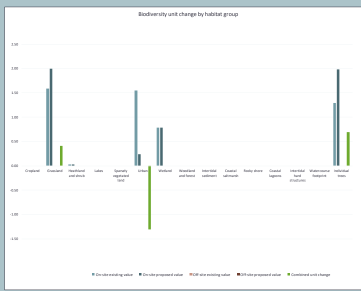
**Combined area lost from baseline(s) by distinctiveness band**

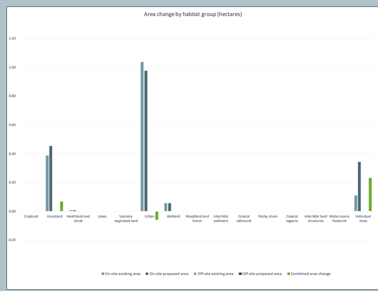
| Category | Area lost (hectares) | Area lost (%) |
|---|---|---|
| V.High | 0 | |
| High | 0 | |
| Medium | 0.0642 | 5 |
| Low | 1.042 | 87 |
| V.Low | 0.097 | 8 |




## Hedgerows and lines of trees

**On-site change by hedgerow type**

| Hedgerow type | Baseline: On-site existing length | Baseline: On-site existing value | Post-development on-site: On-site proposed length | Post-development on-site: On-site proposed value | On-site change: On-site length change | On-site change: On-site unit change |
|---|---|---|---|---|---|---|
| Species-rich native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Species-rich native hedgerow with trees | 0.14 | 2.26 | 0.07 | 1.31 | -0.07 | -0.95 |
| Species-rich native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Species-rich native hedgerow | 0.00 | 0.00 | 0.03 | 0.22 | 0.03 | 0.22 |
| Native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees | 0.02 | 0.22 | 0.02 | 0.22 | 0.00 | 0.00 |
| Ecologically valuable line of trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ecologically valuable line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Line of trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Non-native and ornamental hedgerow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Off-site change by hedgerow type**

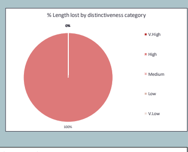
| Hedgerow type | Off-site baseline: Off-site existing length | Off-site baseline: Off-site existing value | Post-development off-site: Off-site proposed length | Post-development off-site: Off-site proposed value | Off-site change: Off-site length change | Off-site change: Off-site unit change |
|---|---|---|---|---|---|---|
| Species-rich native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Species-rich native hedgerow with trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Species-rich native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Species-rich native hedgerow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ecologically valuable line of trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ecologically valuable line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Line of trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Non-native and ornamental hedgerow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

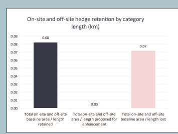
**Combined on-site and off-site change by hedgerow type**

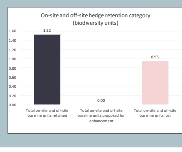
| Hedgerow type | Baseline: Combined existing length | Baseline: Combined existing value | Post-development: Combined proposed length | Post-development: Combined proposed value | Change: Combined length change | Change: Combined unit change |
|---|---|---|---|---|---|---|
| Species-rich native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Species-rich native hedgerow with trees | 0.14 | 2.26 | 0.07 | 1.31 | -0.07 | -0.95 |
| Species-rich native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Species-rich native hedgerow | 0.00 | 0.00 | 0.03 | 0.22 | 0.03 | 0.22 |
| Native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees | 0.02 | 0.22 | 0.02 | 0.22 | 0.00 | 0.00 |
| Ecologically valuable line of trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ecologically valuable line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Native hedgerow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Line of trees | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Non-native and ornamental hedgerow | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Combined length lost from baseline(s) by distinctiveness band**

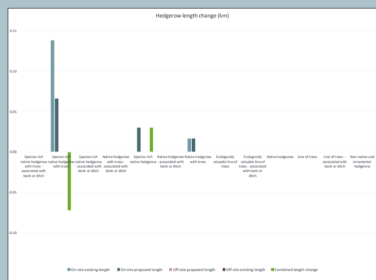
| Category | Length lost (km) | Length lost (%) |
|---|---|---|
| V.High | 0 | |
| High | 0.072 | 100 |
| Medium | 0 | |
| Low | 0 | |
| V.Low | 0 | |







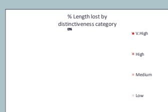

## Watercourses

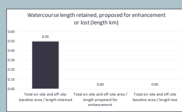
**On-site change by watercourse type**

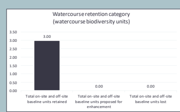
| Watercourse type | Baseline: On-site existing length | Baseline: On-site existing value | Post-development on site: On-site proposed length | Post-development on site: On-site proposed value | On-site Change: On-site length change | On-site Change: On-site unit change |
|---|---|---|---|---|---|---|
| Priority habitat | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other rivers and streams | 0.3 | 2.4 | 0.3 | 2.4 | 0.0 | 0.0 |
| Ditches | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Canals | 0.2 | 0.6 | 0.2 | 0.6 | 0.0 | 0.0 |
| Culvert | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Combined length lost from baseline(s) by distinctiveness band**

| Category | Length lost (km) | Length lost (%) |
|---|---|---|
| V.High | 0 | |
| High | 0 | |
| Medium | 0 | |
| Low | 0 | |



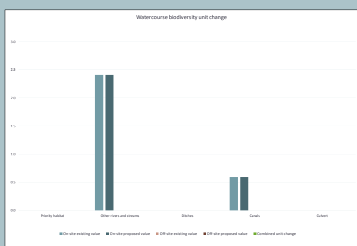



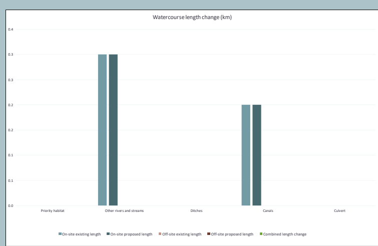

**Off-site change by watercourse type**

| Watercourse type | Baseline: Off-site existing length | Baseline: Off-site existing value | Post development off-site: Off-site proposed length | Post development off-site: Off-site proposed value | Off-site Change: Off-site length change | Off-site Change: Off-site unit change |
|---|---|---|---|---|---|---|
| Priority habitat | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other rivers and streams | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ditches | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Canals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Culvert | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Combined on-site and off-site change by watercourse type**

| Watercourse type | Baseline: Combined existing length | Baseline: Combined existing value | Post-development on-site: Combined proposed length | Post-development on-site: Combined proposed value | On-site change: Combined length change | On-site change: Combined unit change |
|---|---|---|---|---|---|---|
| Priority habitat | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other rivers and streams | 0.3 | 2.4 | 0.3 | 2.4 | 0.0 | 0.0 |
| Ditches | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Canals | 0.2 | 0.6 | 0.2 | 0.6 | 0.0 | 0.0 |
| Culvert | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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Trading summary hedgerows

Trading summary watercourses

## Trading Summary

| Distinctiveness Group | Trading Rule | Trading Satisfied? |
|---|---|---|
| Very High | Same habitat required – bespoke compensation option ⚠ | Yes ✓ |
| High | Same habitat required = | Yes ✓ |
| Medium | Same broad habitat or a higher distinctiveness habitat required (≥) | No ▲ |
| Low | Same distinctiveness or better habitat required ≥ | No ▲ |

## Very High Distinctiveness

| Habitat group | Group | On-site unit change | Off-site unit change | Project-wide unit change | Unit losses |
|---|---|---|---|---|---|
| Grassland - Lowland dry acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Lowland meadows | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Upland hay meadows | Grassland | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Mountain heaths and willow scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Lakes - Aquifer fed naturally fluctuating water bodies | Lakes | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Calaminarian grasslands | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Limestone pavement | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Wetland - Blanket bog | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Depressions on peat substrates (H7150) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Fens (upland and lowland) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Lowland raised bog | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Oceanic valley mire[1] (D2.1) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Purple moor grass and rush pastures | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Transition mires and quaking bogs (H7140) | Wetland | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Wood-pasture and parkland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Rocky shore - High energy littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Moderate energy littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Low energy littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Features of littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral seagrass on peat, clay or chalk | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| | | 0.00 | 0.00 | 0.00 | 0.00 |

## Very High Distinctiveness Summary

| | |
|---|---|
| Very High Distinctiveness Units available to offset lower distinctiveness deficit | 0.00 |
| Remaining losses; Like for like not satisfied | 0.00 |

## High Distinctiveness

| Habitat group | Group | On-site unit change | Off-site unit change | Project-wide unit change | Losses not yet accounted for |
|---|---|---|---|---|---|
| Grassland - Traditional orchards | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Floodplain wetland mosaic and CFGM | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Lowland calcareous grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Tall herb communities (H6430) | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Upland calcareous grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Lowland Heathland | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Dunes with sea buckthorn (H2160) | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Upland heathland | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Lakes - High alkalinity lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Low alkalinity lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Marl lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Moderate alkalinity lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Peat lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Ponds (priority habitat) | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Temporary lakes ponds and pools (H3170) | Lakes | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Coastal sand dunes | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Coastal vegetated shingle | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Inland rock outcrop and scree habitats | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Maritime cliff and slopes | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Urban - Open mosaic habitats on previously developed land | Urban | 0.00 | 0.00 | 0.00 | |
| Wetland - Reedbeds | Wetland | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Felled/Replacement for felled woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Lowland beech and yew woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Lowland mixed deciduous woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Native pine woodlands | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Upland birchwoods | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Upland mixed ashwoods | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Upland oakwood | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Wet woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Coastal lagoons - Coastal lagoons | Coastal lagoons | 0.00 | 0.00 | 0.00 | |
| Rocky shore - High energy littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Moderate energy littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Low energy littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Features of littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mud | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mixed sediments | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Coastal saltmarsh - Saltmarshes and saline reedbeds | Coastal saltmarsh | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral biogenic reefs - Mussels | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral biogenic reefs - Sabellaria | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Features of littoral sediment | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral muddy sand | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral seagrass | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| | | 0.00 | 0.00 | 0.00 | 0.00 |

## High Distinctiveness Summary

| | |
|---|---|
| High Distinctiveness Units available to offset lower distinctiveness deficit | 0.00 |
| Remaining losses; Like for like not satisfied | 0.00 |

## Medium Distinctiveness

| Habitat group | Group | On-site unit change | Off-site unit change | Project wide unit change | Cumulative broad habitat change |
|---|---|---|---|---|---|
| Cropland - Arable field margins cultivated annually | Cropland | 0.00 | 0.00 | 0.00 | |
| Cropland - Arable field margins game bird mix | Cropland | 0.00 | 0.00 | 0.00 | 0.00 |
| Cropland - Arable field margins pollen and nectar | Cropland | 0.00 | 0.00 | 0.00 | |
| Cropland - Arable field margins tussocky | Cropland | 0.00 | 0.00 | 0.00 | |
| Grassland - Other lowland acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Other neutral grassland | Grassland | -0.34 | 0.00 | -0.34 | -0.34 ⚠ |
| Grassland - Upland acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Blackthorn scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Bramble scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Gorse scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Hawthorn scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | 0.00 |
| Heathland and shrub - Willow scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Hazel scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Mixed scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Lakes - Ponds (non-priority habitat) | Lakes | 0.00 | 0.00 | 0.00 | 0.00 |
| Lakes - Reservoirs | Lakes | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Other inland rock and scree | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | 0.00 |
| Urban - Cemeteries and churchyards | Urban | 0.00 | 0.00 | 0.00 | 0.00 |
| Urban - Biodiverse green roof | Urban | 0.00 | 0.00 | 0.00 | |
| Individual trees - Urban tree | Individual trees | 0.69 | 0.00 | 0.69 | 0.69 ✓ |
| Individual trees - Rural tree | Individual trees | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Other Scot's pine woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Other woodland; broadleaved | Woodland and forest | 0.00 | 0.00 | 0.00 | 0.00 |
| Woodland and forest - Other woodland; mixed | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral coarse sediment | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral sand | Intertidal sediment | 0.00 | 0.00 | 0.00 | 0.00 |
| Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGGI) | Intertidal hard structures | 0.00 | 0.00 | 0.00 | |
| | | 0.35 | 0.00 | 0.35 | |

## Medium Distinctiveness Summary

| | |
|---|---|
| Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit | 0.69 ✓ |
| Medium Distinctiveness Broad Habitat losses to be offset by trading up | -0.34 ⚠ |
| Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit | -0.34 ⚠ |
| Cumulative surplus of units | 0.35 ✓ |

## Low Distinctiveness

| Habitat group | Group | On-site unit change | Off-site unit change | Project wide unit change |
|---|---|---|---|---|
| Cropland - Cereal crops | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Horticulture | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Intensive orchards | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Non-cereal crops | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Temporary grass and clover leys | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Winter stubble | Cropland | 0.00 | 0.00 | 0.00 |
| Grassland - Modified grassland | Grassland | 0.75 | 0.00 | 0.75 ✓ |
| Grassland - Bracken | Grassland | 0.00 | 0.00 | 0.00 |
| Heathland and shrub - Rhododendron scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 |
| Lakes - Ornamental lake or pond | Lakes | 0.00 | 0.00 | 0.00 |
| Sparsely vegetated land - Ruderal/ephemeral | Sparsely vegetated land | 0.00 | 0.00 | 0.00 |
| Sparsely vegetated land - Tall forbs | Sparsely vegetated land | 0.00 | 0.00 | 0.00 |
| Urban - Bioswale | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Bare ground | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Allotments | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Facade-bound green wall | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Ground based green wall | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Ground level planters | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Other green roof | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Intensive green roof | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Introduced shrub | Urban | 0.22 | 0.00 | 0.22 ✓ |
| Urban - Rain garden | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Actively worked sand pit quarry or open cast mine | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Sustainable drainage system | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Vacant or derelict land | Urban | -1.55 | 0.00 | -1.55 ⚠ |
| Urban - Vegetated garden | Urban | 0.02 | 0.00 | 0.02 ✓ |
| Woodland and forest - Other coniferous woodland | Woodland and forest | 0.00 | 0.00 | 0.00 |
| Coastal saltmarsh - Artificial saltmarshes and saline reedbeds | Coastal saltmarsh | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral coarse sediment | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral mud | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral sand | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral muddy sand | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral mixed sediments | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral seagrass | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral biogenic reefs | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal hard structures - Artificial hard structures | Intertidal hard structures | 0.00 | 0.00 | 0.00 |
| Intertidal hard structures - Artificial features of hard structures | Intertidal hard structures | 0.00 | 0.00 | 0.00 |
| Heathland and shrub - Other sea buckthorn scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 |
| | | -0.55 | 0.00 | -0.55 |

## Low Distinctiveness Summary

| | |
|---|---|
| Low Distinctiveness net change in units | -0.55 ⚠ |
| Cumulative surplus of units | -0.20 ▲ |

Return to results menu

Trading summary area habitats

Trading summary watercourses

## Trading Summary

| Distinctiveness Group | Trading Rule | Trading Satisfied? |
|---|---|---|
| Very High | Same habitat required = | Yes ✓ |
| High | Like for like or better | No ▲ |
| Medium | Same distinctiveness or better habitat required | Yes ✓ |
| Low | Same distinctiveness or better habitat required | Yes ✓ |
| Very Low | Same distinctiveness or better habitat required | Yes ✓ |

## Very High Distinctiveness

| Habitat group | On-site unit change | Off-site unit change | Project-wide unit change |
|---|---|---|---|
| Species-rich native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 0.00 |

## Very High Distinctiveness Summary

| | |
|---|---|
| Very High Distinctiveness Units available to offset lower distinctiveness deficit | 0.00 |
| Remaining losses; Like for like not satisfied | 0.00 |

## High Distinctiveness

| Habitat group | On-site unit change | Off-site unit change | Project wide unit change |
|---|---|---|---|
| Species-rich native hedgerow with trees | -0.95 | 0.00 | -0.95 ⚠ |
| Species-rich native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 |
| | -0.95 | 0.00 | -0.95 |

## High Distinctiveness Summary

| | |
|---|---|
| High Distinctiveness Units available to offset lower distinctiveness deficit | 0.00 |
| High Distinctiveness losses to be offset by trading up | -0.95 ⚠ |
| Higher Distinctiveness surplus units minus any high distinctiveness deficit | -0.95 ⚠ |

## Medium Distinctiveness

| Habitat group | On-site unit change | Off-site unit change | Project wide unit change |
|---|---|---|---|
| Species-rich native hedgerow | 0.22 | 0.00 | 0.22 ✓ |
| Native hedgerow - associated with bank or ditch | 0.00 | 0.00 | 0.00 |
| Native hedgerow with trees | 0.00 | 0.00 | 0.00 |
| Ecologically valuable line of trees | 0.00 | 0.00 | 0.00 |
| Ecologically valuable line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 |
| | 0.22 | 0.00 | 0.22 |

## Medium Distinctiveness Summary

| | |
|---|---|
| Units available from higher distinctiveness habitats | 0.00 |
| Medium Distinctiveness net change in units | 0.22 ✓ |
| Cumulative availability of units | 0.22 ✓ |

## Low Distinctiveness

| Habitat group | On-site unit change | Off-site unit change | Project wide unit change |
|---|---|---|---|
| Native hedgerow | 0.00 | 0.00 | 0.00 |
| Line of trees | 0.00 | 0.00 | 0.00 |
| Line of trees - associated with bank or ditch | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 0.00 |

## Low Distinctiveness Summary

| | |
|---|---|
| Low Distinctiveness net change in units | 0.00 |
| Cumulative availability of units | 0.22 ✓ |

## Very Low Distinctiveness

| Habitat group | On-site unit change | Off-site unit change | Project wide unit change |
|---|---|---|---|
| Non-native and ornamental hedgerow | 0.00 | 0.00 | 0.00 |
| | 0.00 | 0.00 | 0.00 |

## Very Low Distinctiveness Summary

| | |
|---|---|
| Very Low Distinctiveness net change in units | 0.00 |
| Cumulative availability of units | 0.22 ✓ |

| Project Name: Marsden Island | Map Reference: UK Habitat Classification |
|---|---|

## A-1 On-Site Habitat Baseline

Condense / Show Columns | Condense / Show Rows | Main Menu

| Area habitat summary | |
|---|---|
| Total Net Unit Change | -0.20 |
| Total Net % Change | -3.81% |
| Trading Rules Satisfied | No - check trading summaries ▲ |

| | Existing area habitats | | | | Distinctiveness | | Condition | | Strategic significance | | | | Ecological baseline |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref | Broad Habitat | Habitat Type | Irreplaceable habitat | Area (hectares) | Distinctiveness | Score | Condition | Score | Strategic significance | Strategic significance | Strategic significance multiplier | Required Action to Meet Trading Rules | Total habitat units |
| 1 | Urban | Vacant or derelict land | No | 0.773 | Low | 2 | Poor | 1 | Area/compensation not in local strategy/ no local strategy | Low Strategic Significance | 1 | Same distinctiveness or better habitat required ≥ | 1.55 |
| 2 | Urban | Developed land; sealed surface | No | 0.262 | 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 | Grassland | Other neutral grassland | No | 0.119 | Medium | 4 | Moderate | 2 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | Same broad habitat or a higher distinctiveness habitat required (≥) | 1.05 |
| 4 | Grassland | Modified grassland | No | 0.269 | Low | 2 | Poor | 1 | Area/compensation not in local strategy/ no local strategy | Low Strategic Significance | 1 | Same distinctiveness or better habitat required ≥ | 0.54 |
| 5 | Wetland | Reedbeds | No | 0.057 | High | 6 | Moderate | 2 | Formally identified in local strategy | High strategic significance | 1.15 | Same habitat required = | 0.79 |
| 6 | Individual trees | Urban tree | No | 0.0733 | Medium | 4 | Good | 3 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | Same broad habitat or a higher distinctiveness habitat required (≥) | 0.97 |
| 7 | Individual trees | Urban tree | No | 0.0366 | Medium | 4 | Moderate | 2 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | Same broad habitat or a higher distinctiveness habitat required (≥) | 0.32 |
| 8 | Heathland and shrub | Willow scrub | No | 0.007 | Medium | 4 | Poor | 1 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | Same broad habitat or a higher distinctiveness habitat required (≥) | 0.03 |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| | | | Total habitat area | 1.60 | | | | | | | | | 5.24 |
| | | | Site Area (Excluding area of individual trees, green walls, intertidal hard structures) | 1.49 | | | | | | | | | |

| Ref | 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 | Comments: User comments | Planning authority comments | Habitat reference number |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0.00 | 0.00 | 0.77 | 1.55 | | Total area of existing vacant or derelict land identified in the centre of the site. Assessed as of Poor condition. See condition assessment sheet for details. Assessed as of Low strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, and this habitat is not considered ecologically important or offer ecological linkage. Entire area to be lost to development. | | |
| 2 | 0.165 | 0 | 0.00 | 0.00 | 0.10 | 0.00 | | Total area of existing developed land, building, pedestrian path and access route in the south of the site. No condition assessment applicable to this habitat type. Assessed as of Low strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, and this habitat is not considered ecologically important or offer ecological linkage. Access route and pedestrian path to be retained in the south of the site, with the rest lost to development. | | |
| 3 | 0.071 | 0 | 0.62 | 0.00 | 0.05 | 0.42 | | Total area of Other Neutral Grassland, found in the west of the site, siding the watercourse on its southern bank and partially the northern bank. Assessed as of Moderate condition. See condition assessment sheet for details. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst not covered in the Kirklees Biodiversity Action Plan (BAP) due to not being a Habitat of Principal Importance (HPI), this habitat does offer ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife. Some areas to be retained, with an area lost due to the proposed play area, footpath and residential development. | | |
| 4 | 0 | 0 | 0.00 | 0.00 | 0.27 | 0.54 | | Total area of Modified Grassland identified in the east of the site. Assessed as of Poor condition. See condition assessment sheet for details. Assessed as of Low strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, and this habitat is not considered ecologically important or offer ecological linkage. Entire area to be lost to development. | | |
| 5 | 0.057 | 0 | 0.79 | 0.00 | 0.00 | 0.00 | | Total area of Reedbed habitat, identified in the west of the site. Assessed as of Moderate condition. See condition assessment sheet for details. Asssessed as of High strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, however Reedbeds are considered a Habitat of Principal Importance in the Kirklees Biodiversity Action Plan (BAP), with the Floodplain considered a key geographical area, where this proposal resides. Whilst not mapped, this habitat also offers ecological linkage and is considered ecologically important, offering foraging and refuge opportunities for local wildlife. Entire area to be retained at condition Moderate. | | |
| 6 | 0.0733 | 0 | 0.97 | 0.00 | 0.00 | 0.00 | | Total area of trees assessed as of Good condition. See condition assessment sheet for details. Covers T050, T055, T056 and T061 in the Arb Reports. Calculated via the Tree Helper on the Main Menu tab of this metric (1 x small, 2 x medium and 1 x large). Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst not covered in the Kirklees Biodiversity Action Plan (BAP) due to not being a Habitat of Principal Importance (HPI), this habitat does offer ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife, whilst providing green infrastructure function. All to be retained, according to the AIA report (Enzygo, 2025). | | |
| 7 | 0.0204 | 0 | 0.18 | 0.00 | 0.02 | 0.14 | | Total area of trees assessed as of Moderate condition. See condition assessment sheet for details. Covers T052, T062 and T070 in the Arb Reports. Calculated via the Tree Helper on the Main Menu tab of this metric. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst not covered in the Kirklees Biodiversity Action Plan (BAP) due to not being a Habitat of Principal Importance (HPI), this habitat does offer ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife, whilst providing green infrastructure function. AIA report indicatesT062 is to be retained (Enzygo, 2025). | | |
| 8 | 0.007 | 0 | 0.03 | 0.00 | 0.00 | 0.00 | | Total area of existing Willow Scrub identified in the south west of the site. Assessed as of Poor Condition. See condition assessment sheet for details. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst not covered in the Kirklees Biodiversity Action Plan (BAP) due to not being a Habitat of Principal Importance (HPI), this habitat does offer ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife, whilst providing some green infrastructure function. Entire area to be retained. | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| Total | 0.39 | 0.00 | 2.59 | 0.00 | 1.20 | 2.65 | | | | |

| Total area lost (excluding area of individual trees, green walls and intertidal hard structures) | 1.19 |
|---|---|

| M² to hectares conversion tool: | Select a unit | Hectares | M² |
|---|---|---|---|
| | | | |

ject Name: Marsden Island Map Reference: Landscape Plan PP0013 (Citu, 20

## A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

| Area habitat summary | |
|---|---|
| Total Net Unit Change | -0.20 |
| Total Net % Change | -3.81% |
| Trading Rules Satisfied | No - check trading summaries ▲ |
| Area Check | Area Acceptable ✓ |

Post intervention habitats

| | | | | Distinctiveness | | Condition | | Strategic significance | | | Temporal multiplier | | | | | | Difficulty multipliers | | | | | Comments | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref | Broad Habitat | Proposed habitat | Area (hectares) | Distinctiveness | Score | Condition | Score | Strategic significance | Strategic significance | Strategic significance multiplier | 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 | Habitat units delivered | User comments | Planning authority comments | Habitat reference number |
| 1 | Urban | Developed land; sealed surface | 0.5656 | V.Low | 0 | N/A - Other | 0 | Area/compensation not in local strategy/ no local strategy | Low Strategic Significance | 1 | 0 | 0 | 0 | Standard time to target condition applied | 0 | 1.000 | Low | Standard difficulty applied | Low | 1 | 0.00 | Total area of proposed residential housing, roads, play area, paths, car park and other areas of hardstanding as shown in the Landscape Plan (Citu, 2025), aside from access road in the soute of the site which is to be retained. No condition assessment applicable to this habitat type. Assessed as of Low strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, and this habitat is not considered ecologically important or offer ecological linkage. | | |
| 2 | Grassland | Modified grassland | 0.372 | Low | 2 | Moderate | 2 | Area/compensation not in local strategy/ no local strategy | Low Strategic Significance | 1 | 4 | 0 | 0 | Standard time to target condition applied | 4 | 0.867 | Low | Standard difficulty applied | Low | 1 | 1.29 | Total area of reinforced grass and lawn as shown on the Landscape Plan (Citu, 2025). Categorised here as Modified Grassland as the most appropriate habitat type. Target condition of Moderate deemed suitable considering the size of the site and public usage. See condition assessment sheet for details. . Assessed as of Low strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, and this habitat is not considered ecologically important or offer ecological linkage. | | |
| 3 | Urban | Introduced shrub | 0.113 | Low | 2 | Condition Assessment N/A | 1 | Area/compensation not in local strategy/ no local strategy | Low Strategic Significance | 1 | 1 | 0 | 0 | Standard time to target condition applied | 1 | 0.965 | Low | Standard difficulty applied | Low | 1 | 0.22 | Total area of ornamental planting as indicated in the Landscape Plan (Citu, 2025). Categorised here as Introduced Shrub as the most appropriate habitat type. No condition assessment applicable to this habitat type. Assessed as of Low strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, and this habitat is not considered ecologically important or offer ecological linkage. | | |
| 4 | Urban | Vegetated garden | 0.012 | Low | 2 | Condition Assessment N/A | 1 | Area/compensation not in local strategy/ no local strategy | Low Strategic Significance | 1 | 1 | 0 | 0 | Standard time to target condition applied | 1 | 0.965 | Low | Standard difficulty applied | Low | 1 | 0.02 | Total area of community growing spaces, as indicated in the Landscape Plan (Citu. 2025). Categorised here as Vegetated Garden as the most appropriate habitat type.No condition assessment applicable to this habitat type. Assessed as of Low strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available, and this habitat is not considered ecologically important or offer ecological linkage. | | |
| 5 | Grassland | Other neutral grassland | 0.0112 | Medium | 4 | Moderate | 2 | Location ecologically desirable but not in local | Medium strategic | 1.1 | 5 | 0 | 0 | Standard time to target condition applied | 5 | 0.837 | Low | Standard difficulty applied | Low | 1 | 0.08 | Total area of wildflower planting as | | |
| 6 | Individual trees | Urban tree | 0.2484 | Medium | 4 | Moderate | 2 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | 27 | 0 | 0 | Standard time to target condition applied | 27 | 0.382 | Low | Standard difficulty applied | Low | 1 | 0.84 | Total of 61 x small trees as indicated on the Landscape Plan (Citu, 2025). Target condition of Moderate deemed suitable considering the site size, location, public usage of the site, and the location of some of the trees within hardstanding areas onsite. See condition assessment sheet for details. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst not covered in the Kirklees Biodiversity Action Plan (BAP) due to not being a Habitat of Principal Importance (HPI), this habitat does offer ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife. | | |
| 7 | Urban | Unvegetated garden | 0.12 | V.Low | 0 | N/A - Other | 0 | Area/compensation not in local strategy/ no | Low Strategic | 1 | 0 | 0 | 0 | Standard time to target condition applied | 0 | 1.000 | Low | Standard difficulty applied | Low | 1 | 0.00 | Total area of decking associated with | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Total habitat area | 1.44 | | | | | | | | | | | | | | | | | Total Units | 2.45 | | | |

| | |
|---|---|
| Site Area (Excluding area of individual trees, green walls, intertidal hard structures) | 1.19 |

| M² to hectares conversion tool: | Select a unit | Hectares | M² |
|---|---|---|---|
| | | | |

Marsden Island Map Reference: UK Habitat Classification Map P02 (

# B-1 On-Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows | Main Menu

| Hedgerow summary | |
|---|---|
| Total Net Unit Change | -0.73 |
| Total Net % Change | -29.49% |
| Trading Rules Satisfied | No - check trading summary ▲ |

| | Existing hedgerow habitats | | | Distinctiveness | | Condition | | Strategic significance | | | Required Action to Meet Trading Rules | Ecological baseline |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref | Hedge number | Habitat type | Length (km) | Distinctiveness | Score | Condition | Score | Strategic significance | Strategic significance | Strategic significance multiplier | | Total hedgerow units |
| 1 | 1 | Native hedgerow with trees | 0.0164 | Medium | 4 | Good | 3 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | Same distinctiveness band or better | 0.22 |
| 2 | 2 | Species-rich native hedgerow with trees | 0.066 | High | 6 | Good | 3 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | Like for like or better | 1.31 |
| 3 | 3 | Species-rich native hedgerow with trees | 0.072 | High | 6 | Moderate | 2 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | Like for like or better | 0.95 |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| | | | 0.15 | | | | | | | | | 2.47 |

| | | | | | | | Comments | | |
|---|---|---|---|---|---|---|---|---|---|
| Ref | Length retained | Length enhanced | Units retained | Units enhanced | Length lost | Units lost | User comments | Planning authority comments | Habitat reference number |
| 1 | 0.0164 | 0 | 0.22 | 0.00 | 0.00 | 0.00 | Length of Native Hedgerow with Trees located in the north east of the site, lining a short length of the northern boundary. Assessed as of Good condition. See condition assessment sheet for details. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst Hedgerows are covered in the Kirklees Biodiversity Action Plan (BAP), Floodplain is not considered a key geographical area for this habitat type. However, this habitat offers ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife. To be retained, according to the AIA report (Enzygo, 2025). | | |
| 2 | 0.066 | 0 | 1.31 | 0.00 | 0.00 | 0.00 | Length of Species-rich Native Hedgerow with Trees along part of the northern boundary in the west of the site. Assessed as of Good condition. See condition assessment sheet for details. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst Hedgerows are covered in the Kirklees Biodiversity Action Plan (BAP), Floodplain is not considered a key geographical area for this habitat type. However, this habitat offers ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife. To be retained, according to the AIA report (Enzygo, 2025). | | |
| 3 | 0 | 0 | 0.00 | 0.00 | 0.07 | 0.95 | Length of Species-rich Native Hedgerow with Trees along part of the southern boundary in the east of the site. Assessed as of Moderate condition. See condition assessment sheet for details. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst Hedgerows are covered in the Kirklees Biodiversity Action Plan (BAP), Floodplain is not considered a key geographical area for this habitat type. However, this habitat offers ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife. To be lost to development, according to the AIA report (Enzygo, 2025). | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| | 0.08 | 0.00 | 1.52 | 0.00 | 0.07 | 0.95 | | | |

me: Marsden Island Map Reference: Landscape Plan PP0013 (

## B-2 On-Site Hedge Creation

Condense / Show Columns | Condense / Show Rows | Main Menu

| Hedgerow summary | |
|---|---|
| Total Net Unit Change | -0.73 |
| Total Net % Change | -29.49% |
| 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 | Score | Condition | Score | Strategic significance | Strategic significance | Strategic significance multiplier | 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 | | User comments | Planning authority comments | Habitat reference number |
| 1 | 1 | Species-rich native hedgerow | 0.03 | Medium | 4 | Moderate | 2 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 | 5 | 0 | 0 | Standard time to target condition applied | 5 | 0.837 | Low | Standard difficulty applied | Low | 1 | 0.22 | Proposed length of Species-rich Native Hedgerow. Target condition of Moderate deemed appropriate given the site location, size and public usage. See condition assessment sheet for details. Assessed as of Medium strategic significance, according to Table 8 (page 29) of the BNG Metric User Guide. No Local Nature Recovery Strategy (LNRS) for Kirklees Metropolitan Council is currently available. Whilst Hedgerows are covered in the Kirklees Biodiversity Action Plan (BAP), Floodplain is not considered a key geographical area for this habitat type. However, this habitat offers ecological linkage to the wider environment and offers foraging and refuge opportunities for local wildlife. | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 0.03 | | | | | | | | | | | | | | | | | | 0.22 | | | |

| Project Name: Marsden Island | Map Reference: UK |
|---|---|

# C-1 On-Site WaterC' Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

| Watercourse summary | |
|---|---|
| Total Net Unit Change | 0.00 |
| Total Net % Change | 0.00% |
| Trading Rules Satisfied | Yes ✓ |

| Existing watercourse type | | | Distinctiveness | | Condition | | Strategic significance | | |
|---|---|---|---|---|---|---|---|---|---|
| Ref | Watercourse type | Length (km) | Distinctiveness | Score | Condition | Score | Strategic significance | Strategic significance | Strategic significance multiplier |
| 1 | Other rivers and streams | 0.07 | High | 6 | Fairly Good | 2.5 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 |
| 2 | Other rivers and streams | 0.23 | High | 6 | Moderate | 2 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 |
| 3 | Canals | 0.2 | Medium | 4 | Fairly Poor | 1.5 | Location ecologically desirable but not in local strategy | Medium strategic significance | 1.1 |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| | | 0.80 | | | | | | | |

| | Watercourse encroachment | | Riparian encroachment | | | Ecological baseline |
|---|---|---|---|---|---|---|
| Ref | Extent of encroachment | Multiplier | Extent of encroachment for both banks | Multiplier | Required Action to Meet Trading Rules | Total watercourse units |
| 1 | No Encroachment | 1 | Minor/ No Encroachment | 0.98 | Same habitat required = | 1.13 |
| 2 | Major | 0.5 | Major/Minor | 0.84 | Same habitat required = | 1.28 |
| 3 | Major | 0.5 | Moderate/ Minor | 0.9 | Same habitat required = | 0.59 |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| | | | | | | 3.00 |

| | | | | | | | | Comments | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ref | Length retained | Length enhanced | Units retained | Units enhanced | Length Lost | Units Lost | Bespoke compensation agreed for losses of VHDH | User Comments | Planning authority comments | Habitat reference number |
| 1 | 0.07 | 0 | 1.13 | 0.00 | 0.00 | 0.00 | | | | |
| 2 | 0.23 | 0 | 1.28 | 0.00 | 0.00 | 0.00 | | | | |
| 3 | 0.2 | 0 | 0.59 | 0.00 | 0.00 | 0.00 | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| | 0.80 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | | | | |

ame: Marsden Island      Map Reference: Landscape Plan PP0013 (C

## C-3 On-Site WaterC' Enhancement

Condense / Show Columns    Condense / Show Rows

Main Menu

| Watercourse summary | |
|---|---|
| Total Net Unit Change | 0.00 |
| Total Net % Change | 0.00% |
| Trading Rules Satisfied | Yes ✓ |

| Baseline habitats | | | | | | | | | | | | Post intervention habitats | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Change in distinctiveness and condition | | | Habitat distinctiveness | | Habitat condition | | Strategic significance | | | Temporal multiplier | | | | | | Difficulty multipliers | | | | Watercourse encroachment | | Riparian encroachment | | |
| Baseline ref | Baseline habitat | Length (km) | Baseline distinctiveness band | Baseline distinctiveness score | Baseline condition category | Baseline condition score | Baseline strategic significance category | Strategic significance | Baseline strategic significance Score | Required Action to Meet Trading Rules | Baseline habitat units | Proposed habitat | Distinctiveness movement | Condition movement | Length (km) | Distinctiveness | Score | Condition | Score | Strategic significance | Strategic significance | Strategic significance multiplier | Standard Time to target condition (years) | Habitat enhanced in advance (years) | Delay in starting habitat enhancement (years) | Standard or adjusted time to target condition | Final time to target condition (years) | Final Time to target multiplier | Standard difficulty of enhancement | Applied difficulty multiplier | Final difficulty of enhancement | Difficulty multiplier applied | Extent of encroachment | Multiplier | Extent of encroachment for both banks | Multiplier | Watercourse units delivered |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 0.00 | | | | | | | | | | | | | | | | | | | | | | 0.00 |

| Comments | | |
|---|---|---|
| User comments | Planning authority comments | Habitat reference number |
| | | |
| | | |
| | | |
| | | |
| | | |