

Biodiversity Net Gain Assessment

| | | |
|-----|--|----|
| 1. | Start | 1 |
| 2. | Instructions | 2 |
| 3. | Main Menu | 3 |
| 4. | Results | 4 |
| 5. | Headline Results | 5 |
| 6. | Trading Summary | 6 |
| 7. | A-1 Site Habitat Baseline | 7 |
| 8. | A-2 Site Habitat Creation | 9 |
| 9. | D-1 Off Site Habitat Baseline | 10 |
| 10. | D-2 Off Site Habitat Creation | 11 |
| 11. | D-3 Off Site Habitat Enhancement | 12 |
| 12. | B-1 Hedge Baseline | 13 |
| 13. | Site Hedge Creation | 14 |
| 14. | Technical Data | 15 |

The Biodiversity Metric 3.0 - Calculation Tool Start page

| Project details | |
|---------------------------------|------------------------|
| Planning authority: | Cumbria County Council |
| Project name: | Whitehaven |
| Applicant: | West Cumbria Mining |
| Application type: | Full |
| Planning application reference: | |
| Assessor: | |
| Reviewer: | |
| Metric version: | Metric 3.0 |
| Assessment date: | |
| Planning authority reviewer: | |

Instructions

Main menu

Results

| Cell style conventions | |
|------------------------|------------------|
| | Enter data |
| | Automatic lookup |
| | Result |

View all

Reset view

On-site baseline map

Insert

On-site post intervention map

Insert

Off-site baseline map

Insert

Off-site post intervention map

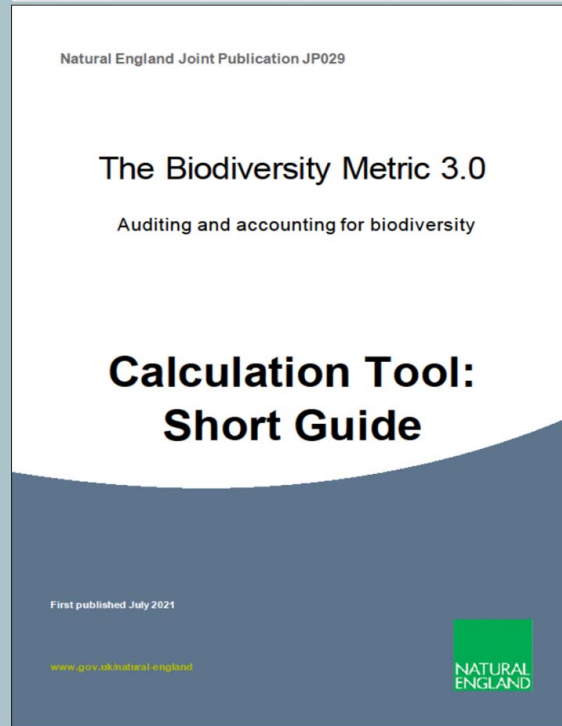
Insert

The Biodiversity Metric 3.0 - Calculation Tool Instructions

Start page

Main menu

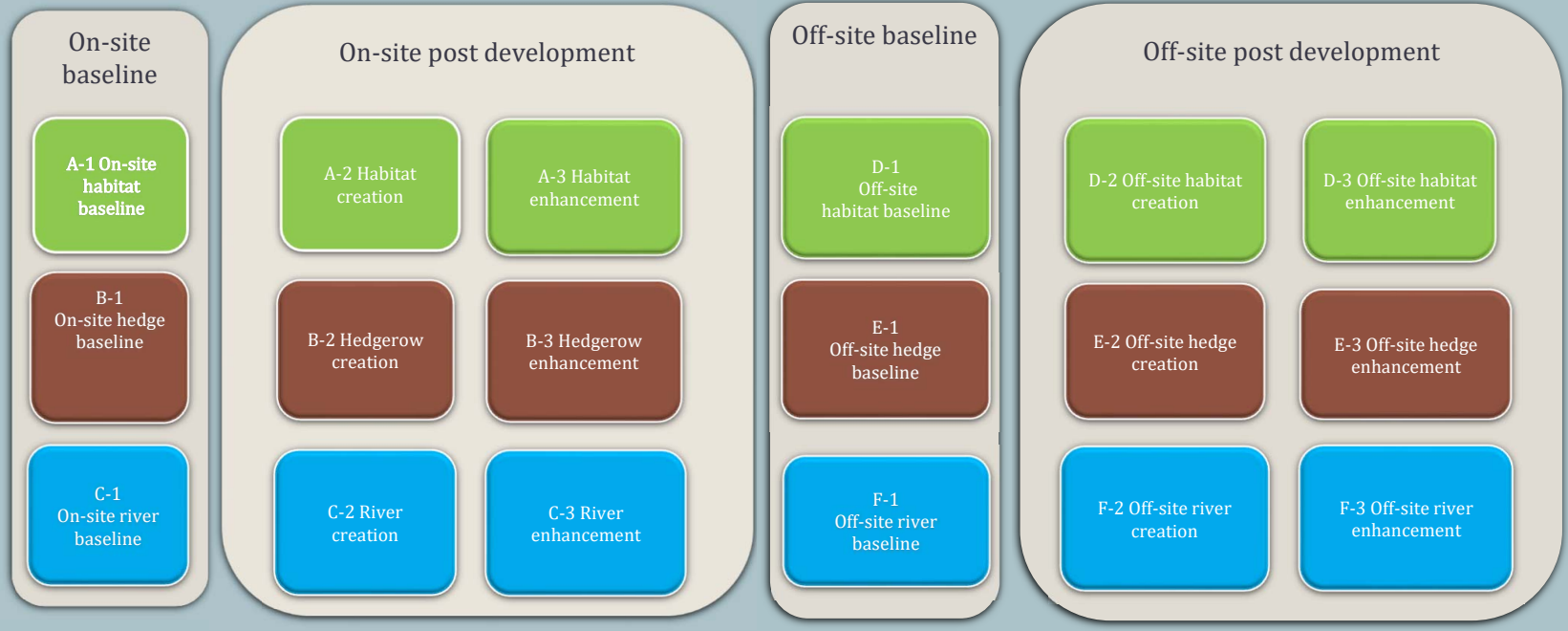
Double click the front page below to open the file



The Biodiversity Metric 3.0 - Calculation Tool Main menu

| Urban tree helper | | |
|-------------------|-------------|--------|
| Tree size | Tree number | Area |
| Small | | 0.0000 |
| Medium | | 0.0000 |
| Large | | 0.0000 |
| Total | 0.00 | 0.0000 |

Start here!



The Biodiversity Metric 3.0 - Calculation Tool Start page

Return to start
page

Headline results

Detailed results

Habitat trading
summary

Whitehaven
Headline Results

Return to

| | | |
|---|----------------------------|--------|
| On-site baseline | Habitat units | 179.73 |
| | Hedgerow units | 3.28 |
| | River units | 0.00 |
| On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small> | Habitat units | 230.57 |
| | Hedgerow units | 5.32 |
| | River units | 0.00 |
| On-site net % change <small>(Including habitat retention, creation & enhancement)</small> | Habitat units | 28.29% |
| | Hedgerow units | 62.06% |
| | River units | 0.00% |
| Off-site baseline | Habitat units | 13.76 |
| | Hedgerow units | 0.00 |
| | River units | 0.00 |
| Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small> | Habitat units | 15.63 |
| | Hedgerow units | 0.00 |
| | River units | 0.00 |
| Total net unit change <small>(including all on-site & off-site habitat retention, creation & enhancement)</small> | Habitat units | 52.71 |
| | Hedgerow units | 2.04 |
| | River units | 0.00 |
| Total on-site net % change plus off-site surplus <small>(including all on-site & off-site habitat retention, creation & enhancement)</small> | Habitat units | 29.33% |
| | Hedgerow units | 62.06% |
| | River units | 0.00% |
| Trading rules Satisfied? | No - Check Trading Summary | |

Return to results menu

Trading Summary

| Distinctiveness Group | Trading Rate | Trading Satisfied? |
|-----------------------|---|--------------------|
| Very High | Respective conservation values to be required | Yes |
| High | Some habitat required | Yes |
| Medium | Some habitat surplus or a higher distinctiveness surplus to be required | Yes |
| Low | Some distinctiveness or better habitat required | Yes |

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 - Maritime heath and wet heath | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Lakes - Aquatic fed naturally fluctuating water bodies | Lakes | 0.00 | 0.00 | 0.00 | |
| Marshland and scrub - Maritime saltmarsh | Marshland and scrub | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Lowland wetland | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Wetland - Blanket bog | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Deposition on Fens (RSPB) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Fens (natural and lowland) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Lowland raised bog | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Peat bog (Vale of Meath) (122.1) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Purple moor grass and rush pastures | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Transition zone and peat bog (127.0) | 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 - Transition zone littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral exposure to 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 |
|---|------|

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 - Phlyctid Wetland Mosses (PVM) | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Upland calcareous grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Tall herb communities | 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 - Sea buckthorn scrub (RSPB) | 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 - Low alkalinity 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 - Peat lakes (RSPB) | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Temporary lakes, ponds and pools | Lakes | 4.50 | 0.00 | 4.50 | |
| Sparsely vegetated land - Coastal sand dunes | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Coastal vegetated dune | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Island rock outcrop and sea habitats | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Maritime off and above | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Urban - Open Urban Habitat on Previously Developed Land | Urban | 45.34 | 0.00 | 45.34 | 45.34 |
| Wetland - Broadleaved | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland and forest - Fen | Wetland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Lowland beech and saw 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 woodlands | 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 - Transition zone 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 subsoil - Subsoils and surface sediments | Coastal subsoil | 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 - Sponges | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral biogenic reefs - Sponges | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mud | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mud and sand | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| | | 48.11 | 0.00 | 48.11 | 45.34 |

High Distinctiveness Summary

| | |
|--|-------|
| High Distinctiveness Units available to offset lower distinctiveness deficit | 5.23 |
| Unit Deficit: Units for the not satisfied | 45.34 |

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 grass bed mix | Cropland | 0.00 | 0.00 | 0.00 | |
| Cropland - Arable field margins pasture & meadow | Cropland | 0.00 | 0.00 | 0.00 | |
| Cropland - Arable field margins tussocky | Cropland | 0.00 | 0.00 | 0.00 | |
| Cropland - Cereal crops winter stubble | Cropland | 0.00 | 0.00 | 0.00 | |
| Grassland - Other lowland acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Upland acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Blackberry 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 - Herbaceous scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Heil scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Mixed scrub | Heathland and shrub | 16.41 | 0.00 | 16.41 | |
| Lakes - Freshwater Ponds/Tanks | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Reservoirs | Lakes | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Urban natural rock and soils | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Urban - Brown roof | Urban | 14.16 | 0.00 | 14.16 | 14.16 |
| Urban - Concrete and chicanes | Urban | 0.00 | 0.00 | 0.00 | |
| Urban - Green roof | Urban | 0.00 | 0.00 | 0.00 | |
| Urban - Green roof | Urban | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Other Native Pine woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Other Native Pine woodland | Woodland and forest | 23.60 | 0.00 | 23.60 | 23.60 |
| 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 coarse sediment | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mud | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mud | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal Hard Structures - Artificial hard structures with Integrated Greening of Grey Infrastructure (IGGI) | Intertidal | 0.00 | 0.00 | 0.00 | |
| | | 97.23 | 0.00 | 97.23 | |

Medium Distinctiveness Summary

| | |
|---|--------|
| Medium Distinctiveness Units available to offset lower distinctiveness deficit | 98.28 |
| Medium Distinctiveness Broad Habitat Deficit to be offset by trading up | -10.07 |
| Higher distinctiveness surplus units minus Medium Distinctiveness Broad Habitat Deficit | 5.16 |
| Cumulative surplus of units | 103.44 |

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 - Cereal crops other | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Mosaic | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Horticulture | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Non-cereal crops | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Temporary grass and sward | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Temporary grass and sward | Cropland | 0.00 | 0.00 | 0.00 |
| Grassland - Blanket peatland | Grassland | 13.94 | 0.00 | 13.94 |
| Grassland - Blanket peatland | Grassland | 0.00 | 0.00 | 0.00 |
| Heathland and shrub - Rhododendron scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 |
| Lakes - Other lowland acid peat | Lakes | 0.00 | 0.00 | 0.00 |
| Sparsely vegetated land - Pasture/Exposed | Sparsely vegetated land | 0.00 | 0.00 | 0.00 |
| Urban - Broadleaved | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Admixtures | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Broadleaved green wall | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Concrete based green wall | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Grass based green wall | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Exposed green roof | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Broadleaved shrub | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Rain garden | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Sand pit quarry or open cut mine | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Urban trees | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Sustainable urban drainage feature | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Vegetated drainage land (permeable) | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Vegetated green | Urban | 0.00 | 0.00 | 0.00 |
| Woodland and forest - Other coniferous woodland | Woodland and forest | 0.00 | 0.00 | 0.00 |
| Coastal lagoons - Artificial lagoons and salt marshes | Coastal lagoons | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral mud | 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 mud | 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 mud | 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 mud | 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 mud | 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 mud | 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 mud | 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 mud | 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 mud | 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 mud | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Heathland and shrub - Sea buckthorn scrub (RSPB) | Heathland and shrub | -11.87 | 0.00 | -11.87 |

Low Distinctiveness Summary

| | |
|---|--------|
| Low Distinctiveness Net Change in Units | 14.16 |
| Cumulative surplus of units | 117.00 |

| | |
|---------------------------|----------------------|
| Whidbey | |
| A-2 Site Habitat Creation | |
| Category / Item Codes | Category / Item Item |
| Item Name | Item Name |

Check Area: Area of development footprint and habitat creation exceeds the area of habitat lost

| Habitat | Proposed habitat | Area (hectares) | Habitat type | | | Priority | Mitigation objectives | | For development and associated habitat | | | | With all mitigation | | | | Comments | | | | |
|--------------------|--------------------------------|-----------------|--------------|-------|--------|----------|--|-------------------------|--|--------------------------------|---------------------------------|--|--|------------------------------|--------------------------------|---------------------------------|------------------------------------|-------------------------|-------------------------|-----------------------|---|
| | | | Wetland | Shrub | Grass | | Strategic objective | Strategic objective | Number of trees to be planted | Number of shrubs to be planted | Number of grasses to be planted | Standard or adjusted tree to large condition | Tree loss to large condition (year) | Tree loss to large condition | Number of shrubs to be planted | Number of grasses to be planted | Tree offset multiplier | Shrub offset multiplier | Grass offset multiplier | Net habitat gain/loss | Notes |
| Grassland | Modified grassland | 15.3 | Low | 2 | Low | 1 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 0 | 0 | Standard tree to large condition applied | 0 | 0.002 | Low | Standard offset multiplier applied | 1 | 1 | 25.0 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Grassland | Other natural grassland | 0 | Medium | 3 | Medium | 2 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 20 | 0 | Standard tree to large condition applied | 0 | 0.006 | Low | Standard offset multiplier applied | 1 | 1 | 25.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Woodland and shrub | Wood stand | 0.11 | Medium | 4 | Medium | 2 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 0 | 0 | Standard tree to large condition applied | 0 | 0.001 | Low | Standard offset multiplier applied | 1 | 1 | 10.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Other | Woodland stand (not native) | 0.02 | Low | 2 | Low | 0 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 0 | 0 | 0 | Standard tree to large condition applied | 0 | 0.000 | Low | Standard offset multiplier applied | 1 | 1 | 0.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Woodland and shrub | Other woodland broadleaved | 2.90 | Medium | 3 | Medium | 1 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 22 | 0 | Standard tree to large condition applied | 0 | 0.007 | Low | Standard offset multiplier applied | 1 | 1 | 21.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Woodland and shrub | Other woodland broadleaved | 0.3 | Medium | 3 | Medium | 2 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 22 | 0 | Standard tree to large condition applied | 0 | 0.006 | Low | Standard offset multiplier applied | 1 | 1 | 0.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Grassland | Other natural grassland | 0.00 | Medium | 3 | Medium | 2 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 1 | 0 | Standard tree to large condition applied | 0 | 0.001 | Low | Standard offset multiplier applied | 1 | 1 | 0.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Woodland and shrub | Wood stand | 2.6 | Medium | 4 | Medium | 2 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 0 | 0 | Standard tree to large condition applied | 0 | 0.001 | Low | Standard offset multiplier applied | 1 | 1 | 10.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Lake | Peak (Shrub) Habitat | 0.00 | High | 5 | Medium | 2 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 1 | 0 | Standard tree to large condition applied | 0 | 0.000 | Medium | Standard offset multiplier applied | 1 | 1 | 0.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Lake | Temporary lake, grass and park | 0.01 | High | 5 | Medium | 2 | Non-compliance with a best strategy or best strategy | Low Strategic Objective | 1 | 1 | 0 | 0 | Standard tree to large condition applied | 0 | 0.000 | Medium | Standard offset multiplier applied | 1 | 1 | 0.00 | Standard vegetation planting protocol. A large number of species. Habitat and tree benefits accounted for by additional planting. |
| Total area | | 20.00 | | | | | | | | | | | | | | 20.00 | | | | | |

| Whitehaven | | | | | | | | | | | | | | | | | |
|-------------------------------|--------------------|--------------------|-----------------|-------------------------|----------------------|--|---|---------------------|---------------------------------------|---------------|-------------------------|-------------------------|-----------|------------|---|--|-------------------|
| D-1 Off Site Habitat Baseline | | | | | | | | | | | | | | | | | |
| Condense / Show Columns | | | | | Condense / Show Rows | | | | | | | | | | | | |
| Main Menu | | | | | Instructions | | | | | | | | | | | | |
| Baseline ref | Habitats and areas | | | Habitat distinctiveness | Habitat condition | Strategic significance | Suggested action to address habitat losses | Ecological baseline | Retention category biodiversity value | | | | | | Bespoke compensation agreed for unacceptable losses | Comments | |
| | Broad habitat | Habitat type | Area (hectares) | Distinctiveness | Condition | Strategic significance | | Total habitat units | Area retained | Area enhanced | Baseline units retained | Baseline units enhanced | Area lost | Units lost | | Assessor comments | Reviewer comments |
| 1 | Grassland | Modified grassland | 1.18 | Low | Poor | Area compensation not in local strategy/ no local strategy | Same distinctiveness or better habitat required | 2.36 | | | | | | | | Area to be used in reptile mitigation (Refer to an translocation site 2 in the BSG reptile method statement doc) | |
| 2 | Grassland | Modified grassland | 3.8 | Low | Fairly Poor | Area compensation not in local strategy/ no local strategy | Same distinctiveness or better habitat required | 11.40 | 3.5108 | | 10.53 | 0.00 | 0.29 | 0.87 | | Area to be used in reptile mitigation (Refer to an translocation site 1 in the BSG reptile method statement doc) | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | 4.98 | | | | | | | | | | | | | | |
| | | | | | | | Total Site baseline | 13.76 | 3.51 | 1.18 | 10.53 | 2.36 | 0.29 | 0.87 | | | |

| Whitehaven | | | | | | | | | | | | | | |
|--|-----------------------------|---------|-----------------|----------------------|--|---|--------------------------------------|------------------------------|--|-------------------------|--|-------------------------|-------------------|-------------------|
| D-2 Off Site Habitat Creation | | | | | | | | | | | | | | |
| Condense / Show Columns | | | | Condense / Show Rows | | | | | | | | | | |
| Main Menu | | | | Instructions | | | | | | | | | | |
| Foot development/ post intervention habitats | | | | | | | | | | | | | | |
| Broad Habitat | Proposed habitat | Area ha | Distinctiveness | Condition | Strategic significance | | Temporal risk multiplier | | Difficult risk | Spatial risk multiplier | | Habitat units delivered | Comments | |
| | | | | | Strategic significance | Standard or adjusted time to target condition | Final time to target condition/years | Final difficulty of creation | | Spatial risk category | | | Assessor comments | Reviewer comments |
| Sparsely vegetated land | Other inland rock and scree | 0.2892 | Medium | Moderate | Area/compensation not in local strategy/ no local strategy | Standard time to target condition applied | 10 | Medium | Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss | 1.09 | Replicate mitigation habitats at Harbank Landfill adjacent to MMS. Created by moving existing scree habitats within the Main Mine Site to Translocation site 1 | | | |
| Total Length | | 0.29 | | | | | | | | 1.09 | | | | |

B-1 Site Hedge Baseline

Condense / Show Columns Condense / Show Rows
 Main Menu Instructions

| Baseline ref | UK Habitats - existing habitats | | | Habitat distinctiveness | Habitat condition | Strategic significance | Suggested action to address habitat losses | Ecological baseline Total hedgerow units | Retention category biodiversity value | | | | | | Comments | |
|--------------|---------------------------------|------------------------------|-----------|-------------------------|-------------------|--|--|---|---------------------------------------|-----------------|----------------|----------------|-------------|------------|-------------------|-------------------|
| | Hedge number | Hedgerow type | Length KM | Distinctiveness | Condition | Strategic significance | | | Length retained | Length enhanced | Units retained | Units enhanced | Length lost | Units lost | Assessor comments | Reviewer comments |
| 1 | | Native Hedgerow | 0.313 | Low | Moderate | Area compensation not in local strategy/ no local strategy | Same distinctiveness/ land or better | 1.25 | 0.077 | 0 | 0.31 | 0.00 | 0.24 | 0.94 | | |
| 2 | | Native Hedgerow | 0.123 | Low | Moderate | Area compensation not in local strategy/ no local strategy | Same distinctiveness/ land or better | 0.49 | 0 | 0 | 0.00 | 0.00 | 0.12 | 0.49 | | |
| 3 | | Native Species Rich Hedgerow | 0.192 | Medium | Moderate | Area compensation not in local strategy/ no local strategy | Like or better/ better | 1.54 | 0 | 0 | 0.00 | 0.00 | 0.19 | 1.34 | | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| | | | 0.63 | | | | | 3.28 | 0.68 | 0.00 | 0.31 | 0.00 | 0.55 | 2.97 | | |

B-2 Site Hedge Creation

Condense / Show Columns Condense / Show Rows

Main Menu Instructions

| Baseline ref | New hedge number | Proposed habitats | | | Habitat distinctiveness | Habitat condition | Strategic significance | | Temporal multiplier | | Difficulty risk multipliers | Hedge units delivered | Comments | |
|--------------|------------------|------------------------------|-----------|-----------------|-------------------------|--|---|------------------------|---|--------------------------------------|--|-----------------------|------------------------------|-------------------|
| | | Habitat type | Length km | Distinctiveness | | | Condition | Strategic significance | Standard or adjusted time to target condition | Final time to target condition/years | | | Final difficulty of creation | Assessor comments |
| 1 | | Native Hedgerow | 0.296 | Low | Moderate | Area/compensation not in local strategy/ no local strategy | Standard time to target condition applied | 5 | Low | 0.99 | | | | |
| 2 | | Native Species Rich Hedgerow | 0.6 | Medium | Moderate | Area/compensation not in local strategy/ no local strategy | Standard time to target condition applied | 5 | Low | 4.02 | These hedgerows will be newly planted around the margins of the landscaping bunds within the Main Mine Site. | | | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | |
| | | | 0.99 | | | | | | | | 5.01 | | | |

The Biodiversity Metric 3.0 - Calculation Tool Technical Data

[Return to start page](#)

[All area habitats](#)

[Area habitat groups](#)

[Multipliers](#)

[Temporal multipliers](#)

[Enhancement temporal multipliers](#)

[Hedgerow data](#)

[River data](#)

[Condition data](#)

[UKHab/Phase 1 translation](#)