



# Technical Appendix 7.2:

# Sieving Exercise

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Department: ERM  
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# 1 EXECUTIVE SUMMARY

- 1.1.1.1 This Sieving Exercise has been undertaken by Environmental Resources Management (ERM) on behalf of Votalia UK (the Applicant) for Bowshiel Wind Farm (the Development).
- 1.1.1.2 The purpose of the Sieving Exercise is to identify designated and non-designated heritage assets with the potential to undergo a change in setting as a result of the Development. A summary of potential Setting Impacts and Effects for each asset is presented within this document followed by a rationale for inclusion or exclusion for further detailed assessment within **Volume 1, Chapter 7: Archaeology and Cultural Heritage** of the Environmental Impact Assessment Report (EIAR).
- 1.1.1.3 This sieving exercise has been produced following a review by ERM of all assets within the 3 km Setting Study Area, as well as those outwith the Setting Study Area that may be subject to a change in Setting. This document is cognisant of Scoping Opinion provided by Historic Environment Scotland (HES), Scottish Borders Council (SBC), as well as subsequent consultation with these bodies.
- 1.1.1.4 The sieving exercise has identified a total of 1 designated asset for further detailed assessment.
- 1.1.1.5 Setting Impacts, predicted effects and the significance of these effects in terms of EIA regulations are discussed further within **Volume 1, Chapter 7: Archaeology and Cultural Heritage** of the EIAR along with appropriate mitigation strategies.

## 2 DESIGNATED ASSETS

### 2.1 Assets for which HES hold statutory responsibility

- 2.1.1.1 With regards to designated assets under the statutory care of HES, there are nine such assets within the Setting Study Area:
- Four Scheduled Monuments;
  - One Garden and Designed Landscape (GDL); and
  - Four Grade A Listed Buildings
- 2.1.1.2 An initial ZTV (bare earth) for the infrastructure has been produced to aid in a sieving exercise and decision making on which assets are likely to undergo an adverse change in setting and would be taken forward to a detailed setting assessment within the forthcoming EIA. A setting site visit was also undertaken to inform the sieving exercise and ground truth an assets current setting and refine the understanding of Setting Impacts from the Development.
- 2.1.1.3 A summary table showing all assets considered for assessment is provided within **Appendix 1** of this document. This table details assets and the rationale for their inclusion or exclusion within the detailed setting assessment.
- 2.1.1.4 Based on the ZTV and initial sieving exercise and consultation with HES a single scheduled monument; SM369 Ewieside Hill Fort has been provisionally identified as warranting a detailed setting assessment within the forthcoming EIA, with the remaining assets likely to be sieved out.

### 2.2 Assets for which SBC hold statutory responsibility

- 2.2.1.1 With regards to designated assets under the statutory care of SBC, there are 13 such assets within the Setting Study Area:
- One Conservation Area; and
  - Twelve Listed Buildings (seven Grade B and five Grade C).
- 2.2.1.2 Based on the ZTV and initial sieving exercise no SBC assets were considered to warrant a detailed setting assessment within the forthcoming EIAR, with all assets sieved out.
- 2.2.1.3 With regard to non-designated assets, SBC, in their Scoping Response, identified a series of assets around Penmanshiel/Greenside Hill, c. 1 km east of the Site and east of the Pease Burn valley and A1 carriageway, as well as Ecclaw Hill to Blackburn Rig, 1 km south-west and south of the Site and south of the Pease Burn.
- 2.2.1.4 With regard to the Penmanshiel non-designated assets, these chiefly comprise a cluster of Late Prehistoric cairns (often surviving as above ground remains) and subsurface settlement, the most notable of which is 'Andrew's Cairn (Canmore ID 59814). This group of assets are located on the north-west and west facing slope of Greenside Hill and Penmanshiel Wood, with clear views north-west along the line of the Pease Burn and to the

west with views over the Pease Burn towards the Proposed Development. Views west to the Pease Burn itself are largely blocked by plantation woodland which line the lower levels of the Pease Burn Valley. The significance of this group is largely derived from its archaeological and historic value, and its potential for excavation to inform Late Prehistoric settlement east of the Pease Burn. However, setting does make a contribution to their significance. The setting of these assets is largely derived from their position on land east of the Pease Burn and their relationship to contemporary assets on the eastern hills of the Pease Burn and more generally to assets along its length. Within the Site, on the western slopes above the Pease Burn are a series of associated Late Prehistoric settlement sites centred around Big Chesters Fort (Canmore ID58717). This group represents a series of low to medium value assets. The magnitude of impact from the Proposed Development is predicted to be Slight, with setting impacts derived from the erosion of views towards associated Late Prehistoric settlement west of the Pease Burn. A negligible to Minor adverse Effect is predicted for assets in this group. This is not significant in terms of EIA regulations. As such, assets are not taken forward for a more detailed assessment of setting impacts.

- 2.2.1.5 There are not considered to be any assets located along the span of land taking in Ecclaw Hill to Blackburn Rig, for which setting makes a notable contribution to cultural significance. As such, any non-designated assets have been sieved out of any detailed setting assessment.

APPENDIX 1: HES ASSETS

TABLE 1 SUMMARY TABLE SHOWING ALL ASSETS CONSIDERED FOR ASSESSMENT

DESIGNATION	CATEGORY	REF	NAME	STUDY AREA	IN BARE EARTH ZTV	SCOPED IN	RATIONALE	PREDICTED IMPACT / EFFECT
Scheduled Monument	N/A	SM369	Ewieside Hill, Fort 640m NE of Edmondsdean	3km	Y	Y	A Late Prehistoric fort located on Ewieside Hill. The asset has good 360 views with setting defined by the forts relationship to associated settlement along the Heriot Water valley and the coastal plain to the north. The development may be visible but is not considered to encroach into key views or erode understanding or appreciation of the asset.	Discussed within Chapter 12 of the EAIR.
Listed Building	A	LB4054	Pease Bridge	Within 1 km	Y	N	Heavily screened by mature vegetation and setting is limited to the forest riverside.	Negligible / Negligible
Listed Building	A	LB4046	Old Manor House (Sparrow Castle)	Within 3 km	N	N	Outwith ZTV. Setting defined by its relative location within the town of Cockburnspath and surrounded by other residential properties.	None
Listed Building	A	LB4047	Market Cross Cockburnspath	Within 3 km	N	N	Outwith ZTV. Setting is defined by its current location within the middle of the town of Cockburnspath.	None
Listed Building	A	LB4129	Cockburnspath Church and Graveyard	Within 3 km	N	N	Outwith ZTV. Setting defined by its current location within the center of Cockburnspath, surrounded by residential buildings.	None
Garden and Designed Landscapes	N/A	GDL00154	Dunglass	Within 3 km	Partial	N	Only partially within the ZTV, with all key buildings and public paths through the GDL outwith the ZTV. The screening in place with the woodland curtilage of the policy means any views from the GDL, except at the very periphery of the GDL are likely to be screened. The key relationships for the GDL are to the nearby settlement of Cockburnspath, Oldhamstocks and to the historic road between Edinburgh and Berwick to the north of the GDL. The Development would not erode these views nor is it likely to erode the appreciation and experience of the GDL for visitors.	Negligible / Negligible
Scheduled Monument	N/A	SM13317	Cockburnspath Tower, tower & ancillary buildings 390m N of Tower Farm	Within 1 km	Y	N	On the very edge of the ZTV. The setting of the asset is defined by its relationship to the Herriot Water valley, the Pease Burn valley and surrounding farmland. This 15th century defensive site commands views to the north-east along the coastal approach from England and to the south through the Pease valley, now home to the A1 carriageway and railway line from England.	Negligible / Negligible
Scheduled Monument	N/A	SM382	St Helen's Church, church & hog-backed monuments	Within 3 km	N	N	Outwith ZTV and sieved out on that basis. The setting of the asset is defined by its relationship to the farmland communities adjacent to the coast, along the main historic road between Edinburgh and Berwick. The church is located	None

Designation	Category	Ref	Name	Study Area	In Bare Earth ZTV	Scoped In	Rationale	Predicted Impact / Effect
							just north of the historically significant settlement and estates of Old Cambus. The Development would not interrupt these key local relationships.	
Scheduled Monument	N/A	SM12469	Winding Cairn	Within 3 km	N	N	Outwith ZTV and sieved out on that basis. The setting of the asset is defined by its position on a low hill to the north of the Howpark and Atton Burns. Associated prehistoric settlement is located on the south along the Atton Burn in the surrounding rural landscape. Key views from the asset are to the south with views north, west and east largely screened by topography. The Development would not erode these key local relationships.	None

APPENDIX 2: SBC ASSETS

TABLE 2 CONSERVATION AREAS, CATEGORY B AND C LISTED BUILDINGS AND NON-DESIGNATED ASSETS CONSIDERED FOR DETAILED SETTING ASSESSMENT AND RATIONALE FOR INCLUSION / EXCLUSION

DESIGNATION	CATEGORY	REF	NAME	STUDY AREA	IN BARE EARTH ZTV	SCOPED IN	RATIONALE	PREDICTED IMPACT / EFFECT
Listed Building	B	LB4052	Old Tower Bridge	Within 1km	N	N	Outwith ZTV. Setting defined by relationship to Pease Burn and immediate rural fieldscape.	None
Listed Building	B	LB4048	Smithy, Cockburnspath	Within 3 km	N	N	Outwith ZTV and setting defined by relationship to Cockburnspath and immediate rural environs.	None
Listed Building	B	LB4049	Old Stables and Cottage to Rear and At Side Of the Cockburnspath Inn	Within 3 km	N	N	Outwith ZTV and setting defined by relationship to Cockburnspath and immediate rural environs.	None
Listed Building	B	LB4050	Premises Of Geo Hay and Sons General Merchants	Within 3 km	N	N	Outwith ZTV and setting defined by relationship to Cockburnspath and immediate rural environs.	None
Listed Building	C	LB46594	Butterdean Farmhouse Including Ancillary Structures, Walled Garden, Boundary Walls and Gate piers	Within 3 km	N	N	Outwith ZTV and setting defined by relationship to immediate rural periphery.	None
Listed Building	C	LB46624	Grantshouse, Eye View Including Garden Wall	Within 3 km	N	N	Outwith ZTV and setting defined by relationship to settlement of Granthouse and immediate rural periphery	None
Listed Building	C	LB46625	Grantshouse, Harelawside Farmhouse, Including Garden Walls	Within 3 km	N	N	Outwith ZTV and setting defined by relationship to settlement of Granthouse and immediate rural periphery	None
Listed Building	C	LB46627	Grantshouse, Ivy Bank and Ivy Bank Curios	Within 3 km	N	N	Outwith ZTV and setting defined by relationship to settlement of Granthouse and immediate rural periphery	None
Listed Building	B	LB6415	Cove Harbour, Pier and Breakwater	3km +	N	N	Outwith ZTV and setting defined by relationship to immediate coastline.	None
Listed Building	B	LB6416	Cove Harbour, Cottages/Store Sheds at Pier	3km +	N	N	Outwith ZTV and setting defined by relationship to immediate coastline.	None
Listed Building	B	LB6417	Cove Harbour, Tunnel Entrance	3km +	N	N	Outwith ZTV and setting defined by relationship to immediate coastline.	None

DESIGNATION	CATEGORY	REF	NAME	STUDY AREA	IN BARE EARTH ZTV	SCOPED IN	RATIONALE	PREDICTED IMPACT / EFFECT
Listed Building	C	LB48937	Cockburnspath Station House	3km +	N	N	Outwith ZTV and setting defined by relationship to Cockburnspath and adjacent railway line.	None
Conservation Area	N/A	CA596	Cockburnspath	Within 3 km	Partial	N	Most of the historic buildings of the historic core of the CA are outwith the ZTV, with the CA largely reflecting the historic core as depicted on the First Edition OS. The settlement has a medieval foundation with setting defined by the key relationships to the Dunglass Estate and the nearby historic road between Edinburgh and Berwick. The rural fieldscape immediately around the CA also makes a contribution to setting. The Development would not erode these relationships of views.	Negligible / Negligible
Non-designated	N/A	Greenside Hill / Penmanshiel	Greenside Hill / Penmanshiel	Within 3 km	Y	N	The significance of this group is largely derived from its archaeological and historic value, and its potential for excavation to inform Late Prehistoric settlement east of the Pease Burn. However, setting does make a contribution to their significance. The setting of these assets is largely derived from their position on land east of the Pease Burn and their relationship to contemporary assets on the eastern hills of the Pease Burn and more generally to assets along its length. Within the Site, on the western slopes above the Pease Burn are a series of associated Late Prehistoric settlement sites centred around Big Chesters Fort (Canmore ID58717). This group represents a series of low to medium value assets. The magnitude of impact from the Proposed Development is predicted to be Slight, with setting impacts derived from the erosion of views towards associated Late Prehistoric settlement west of the Pease Burn. A negligible to Minor adverse Effect is predicted for assets in this group. This is not significant in terms of EIA regulations. As such, assets are not taken forward for a more detailed assessment of setting impacts.	
Non-designated	N/A	Ecclaw Hill to Balckburn Rig	Ecclaw Hill to Balckburn Rig	Within 3 km	Y	N	There are not considered to be any assets located along the span of land taking in Ecclaw Hill to Blackburn Rig, for which setting makes a notable contribution to cultural significance. As such, any non-designated assets have been sieved out of any detailed setting assessment.	