

Pentland floating offshore wind farm

Volume 3: Appendix A.17.2

Gazetteer of Sites



OFFSHORE EIAR (VOLUME 3): TECHNICAL APPENDICES

APPENDIX 17.2: GAZETTEER OF SITES

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APPENDIX 17.2: SITE GAZETTEERS

This Appendix lists the archaeology and cultural heritage sites relevant to Offshore EIAR (Volume 2) Chapter 17 Marine Archaeology and Cultural Heritage.

Table 1 is a gazetteer of all potential marine archaeology sites within the Offshore Study Area as identified by desk-based research.

Table 2 is a gazetteer of the 100+ designated onshore sites with their setting attributes within the Setting Study Area that may be affected by the PFOWF Array Area (as defined).

Table 1. Potential marine sites identified by DBA

Name	UKHO Wreck Number	CANMORE	Description	Circumstance of loss	Date Lost	Lat (WGS84)	Long (WGS84)	Source	Importance	Reason
Unknown sloop		288558	Sloop	Vessel was wrecked at Bay of Sandside	Between 1781 and 1788			1,7	Low	Good records of construction, low interest cargo, likely condition
<i>Anglia</i>		221415	Sloop with cargo of wood	Wrecked in Sandside Bay	29 th October 1830			1,2,7	Low	Good records of construction, low interest cargo, likely condition
<i>Elizabeth Miller</i>		222083	Ketch	This vessel stranded at Isold Head, Sandside Bay	19 th July 1906			1,2,7	Low	Good records of construction, low interest cargo, likely condition
<i>Belvedere</i>		264566	Schooner	Carrying a cargo of manure. Drove ashore around Sandside Bay after missing entrance to harbour	2 nd April 1874			1,7	Low	Good records of construction, low interest cargo, likely condition
Unknown		277239	Unknown	Part of the masts of a vessel standing out of the water, has been discovered in Sandside Bay	10 th Sept 1847			7	Low	Good records of construction, low interest cargo, likely condition
<i>Audrey</i>		288544	Fishing Vessel	This vessel stranded between Sandside Bay and Dounreay.	30 th July 1992			1,7	Negligible	Modern
<i>Lady Kyth</i>		288557	Sloop	Vessel was lost at Sandside. Registration: Inverness. Built 1833. 20 tons burthen. Length: 11m. Beam: 4m.	1854			1,7	Low	Good records of construction, low interest cargo, likely condition
<i>Pearl</i>		222076	Schooner	Carrying a cargo of pit props schooner <i>Pearl</i> stranded at Sandside Bay	12 th December 1904			1,2,7	Low	Good records of construction, low interest cargo, likely condition
<i>Young Alexander</i>		221581	Sloop	Carrying a cargo of pavement. Driven on shore in Sandside Bay during a severe gale	4 th January 1841			1,2,7	Low	Good records of construction, low interest cargo, likely condition
<i>Arnisdale</i>	1157	288543	Trawler BF 394	Trawler wrecked ashore below Dounreay	13 th April 1984	58°34'.776N	003°45'.088W	1,6,7	Negligible	Modern
HMD <i>Orsino</i>		214438	Royal Navy requisitioned Drifter. Steel. 172 tons, 33m long	Sunk by <i>U55</i>	28 th Sept 1916			1,2,3,4,5,7	High	War Grave
Non Sub Contact 1	939		Now listed as dead	Reported in position 584100N, 034630W on 29.4.45; accurate to within 200yds. Peak of a gravel wave in 69m-84m depth thought to have been this reported non-sub contact. (BUE Subsea, 11.1.85)		58°40'.142N	003°46'.439W	6	Unknown	Unknown
Non Sub Contact 2	945		Now listed as dead	Reported in position 584200N, 034500W on 29.4.45; accurate to within 200yds. Nothing found. (BUE Subsea, 11.1.85)		58°42'.000N	003°45'.000W	6	Unknown	Unknown

Sources: 1 = Whittaker (1998); 2 = Larn & Larn (1998); 3 = Baird (2003); 4 = Lloyds; 5 = UKHO; 6 = Hepper (2006); 7 = Canmore

1.1 References

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Table 2. Onshore Sites and Setting

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
0-10km	Baligill, mill	285563	965637	SM4265			Farr	A water-driven carding mill built c. 1800 as a meal mill and converted to a woollen mill c. 1860. Now disused and unroofed.	Draft wireline 211109 showed no visibility or impact	Located in moorland adjacent to Baligill burn. Its low lying position next to the burn means it is inconspicuous in the wider landscape Key views from the site would be upslope NW to the contemporary township at Post-Medieval township at Baligill and up and down stream including to the lime kilns (SM4290). Intervisibility with the wider surrounding landscape is poor.
0-10km	Baligill Burn, limekilns	285546	966004	SM4290			Farr	A pair of limekilns probably built c. 1820 and c. 1870. Good preservation. The earlier of the two kilns is a circular three-draw structure with two curved buttresses, apparently later additions. The more recent kiln is of the rectangular three-draw type. Both were stone-lined and were peat-fired.	Draft wireline 211109 showed no visibility or impact	Located in moorland adjacent to Baligill burn. Its low lying position next to the burn means it is inconspicuous in the wider landscape Key views from the site would be upslope W to the contemporary township at Post-Medieval township at Baligill and up and down stream including to the mill (SM4265). Intervisibility with the wider surrounding landscape is poor.
0-10km	Halladale Bridge, hut circles 670m NE of, on banks of Giligill Burn	289989	963537	SM3304			Farr	A group of four prehistoric hut circles and enclosure	Proxy CH VP 10	Rough Grazing Located in low lying rough grazing adjacent to Gibigill burn Although they are low lying they are located within open land so would be relatively conspicuous within the wider landscape and visible from slopes above Extensive views across the low lying land to the NW and towards the coast and the slopes beyond, partly obscured by more undulating slopes in other directions
0-10km	Brims Castle	304333	971007	SM5510			Thurso	A late sixteenth-century towerhouse, its ancillary buildings, N courtyard, and a late eighteenth-century house adjoining on the W. Was the residence of the Sinclairs of Dunbeath. Roofless.	Proxy CH VP 8	Rectilinear Fields and Farms (19th- 20th century) Located within modern farmland close to the shore, south of Brims Ness. Adjacent to extensive 19th and 20th century farm buildings and sheds. As a large structure within flat open land, the site would have been a conspicuous features in the surrounding landscape Key views from the site would be from the windows and entrances on the NE and SW elevations- out to sea and across the extensive open, flat land to the SW. The views have been partly obscured by the adjacent large 19th to 20th century farm 'Mains of Brims'
0-10km	Dounreay Castle	298313	966945	SM6401			Reay	The remains of a castle, probably dating from the second half of the 16th century, and the site of its barmkin, or attached enclosure and associated ranges. Much of the site has been levelled, with the exception of the castle and a northeast cottage block, when the area was occupied by the Dounreay Nuclear Facility.	Proxy CH VPs 1, 2, 5, 8	Dounreay Nuclear Facility. Power generation (20th century) The remains lie within the Dounreay nuclear facility's boundary just above the shore Its location utilised the sea as a natural defence to the north and due to the relatively flat topography of the area, would have been visible for some distance however, the remains of the site are now obscured from the wider landscape by the Dounreay Nuclear facility. Key views from Dounreay Castle would have been the 360° landscape around the tower but the landward views are now occupied by the Dounreay Nuclear facility.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
0-10km	Crosskirk, St Marys Chapel and broch S of Chapel Pool	302496	970116	SM90086			Reay	The remains of the chapel of St Mary (later used as two burial enclosures) lying E-W within a square burial ground, together with the adjacent remains of a broch and outer defensive works. The broch lay to the N of the burial ground, and succeeded a promontory fort on the site. Broch partly excavated 1966-72	CH VP 8	Rough Grazing The site is located close to the shore on the SW side of Crosskirk Bay adjacent to modern farmland. Dominated to south-west by Forss Business and Energy Park 250m away, with 6 turbines. Its location, on a lower coastal slope means it would have been quite inconspicuous in the wider landscape The key views from the site would have been out to sea but would have had a good level of local intervisibility in the wide flat landscape including to the broch sites at Green Tullochs (SM554) 1.3km to the SW and Tulloch of Lybster (undesignated) 650m to the S.
0-10km	Cnoc Freiceadain, long cairns	301286	965375	SM90078			Reay	Two long cairns. Part of a series of prehistoric monuments located on the Hill of Shebster and Cnoc Freiceadain including further chambered cairns, standing stones and stone rows.	CH VP 3	Rough grazing On top of Cnoc Freiceadain hill (132m) within a modern farming landscape, with the extensive windfarm (21 turbines) of Baillie Hill / Stemster Hill located 0.7 to 2.4 km to the east Set in a conspicuous topographic location that makes them a prominent feature on the skyline. The setting would have allowed for 360° views of the surrounding landscape. Key views would have been to other funerary sites or settlement sites in the surrounding area, such as the Hill of Shebster chambered cairn, c. 750m to the south and Glaodh Odhar cairn to the west.
0-10km	Achunabust, broch NNW of	299436	964634	SM513			Reay	The remains of a broch appearing as a 2m high turf covered mound, with possible outworks	Proxy CH VP 2, 7	Planned rectilinear fields and farms (19th- 20th century) The site has undergone extensive quarrying and immediately west of the broch are the footings of a more recent rectangular building with an attached enclosure that have contributed to the setting of the broch making little positive contribution to the understanding and appreciation of the siting. The monument is located located within low lying farmland at c 60mOD on the W slope of a gentle rise within open, flat land While the site is located on relatively low lying land, it is overlooked by higher ground and as an imposing stone would have been relatively prominent in the wider landscape. Key views to and from the broch would have been to other similar monuments such as Achvarasdal House broch site c. 1km to the west and Cnoc Urray c.2km to the north.
0-10km	Reay, burial ground, old church and cross slab 175m E of Parish Church	296908	964819	SM615			Reay	A burial ground, containing a burial aisle which incorporates the remains of old medieval parish church and which houses a cross-slab dating from the late 9th or the 10th century. Numerous grave slabs from 19th century. Replaced by new parish church built nearby in 1739.	Proxy CH VP 5	Medieval - modern village Located within Reay, within the older part of the village to the SW Low lying and obscured from the surrounding area by buildings and vegetation Self-contained surrounded by cemetery walls with entry steps. Key views were into the graveyard itself and not out into the surrounding landscape. Views to the coast are largely blocked by the adjacent modern housing and landscaping. The western-most corner of the cemetery wall does have views to the coast, that is somewhat restricted by overhead power lines and a transformer as well as the Fresgoe headland.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
0-10km	Green Tullochs, broch & cairn 640m NNW of Borrowston Mains	301303	969647	SM554			Reay	The remains of a broch appearing as a 3m high grass covered mound surrounded by circular enclosure.	Proxy CH VP 8	Rough Grazing Located next to modern farmland on the coast SW of Crosskirk Bay and eroding into the sea The monument would have been very visible from the sea but as an imposing tower would also to the landward side which slopes down towards it. The key view would be out to sea but a good level of intervisibility would be afforded to the landward side too including to the broch at Crosskirk (SM90086) 1.3km to the NE and Tulloch of Lybster (undesigned) 1.4km to the SE.
0-10km	Cnoc-na-h'Uiseig, chambered cairn	299680	967731	SM444			Reay	Short horned Neolithic chambered cairn, also used in early Bronze Age. Entrance passage out to SE. Appears as a grassy mound. Part cleared and excavated. The cairn has been 'cleaned-up' and a high mesh-fence now encloses it	Proxy CH VP 2, 8	Adjacent (N and NE) to the former Dounreay Nuclear Facility and its former airfield Within low lying coastal land but dominated by the Dounreay Nuclear Facility Key views to the coast and to other prehistoric monuments on the northern slopes of the hill of Shebster. Entrance out to SE.
0-10km	Cnoc Stanger, cairn 730m E of Sandside House	295992	965241	SM458			Reay	A stony mound located on summit of sand dunes, possible cairn, though few stones visible. Eroded by Sandside Burn.	Proxy CH VP 4, 5	On the SW side of Sandside Bay, within an area of more recent development (Sandside House, Reay Golf Course, Dounreay Nuclear Facility) Set within a prominent topographic location, standing at c. 4m in height it is one of the higher points within the sand dune system Key views from the cairn would have been to other funerary or settlement sites around Sandside Bay. If it was used as a sea marker, the key view would have been to the adjacent sea.
0-10km	Cnoc Urray, broch 400m NNE of Gunnscroft	298380	966302	SM564			Reay	The turf-covered ruins of a broch upon a mound, 2.7m high. Stone rubble nearby. Possible surrounding ditch	CH VP 2	Planned Rectilinear Fields and Farms (19th- 20th century) Within low lying modern farmland close to (S of) Dounreay Nuclear Facility Conspicuous within flat, open landscape Key views would have been out to sea and to other broch sites to the S. The seaward view is now obscured by the Dounreay Nuclear Facility, extensive views across farmland to the south and to the low hills beyond remain but are partly obscured by overhead powerlines, forestry and modern buildings
0-10km	Sandside House, Reay, two carved stones	295193	965169	SM616			Reay	Two Pictish carved stones of Early Historic date, one found near the remains of an early settlement on the sand links at Sandside, the other built into a dyke near Tigh a'Bheannaich, a chapel site. Both moved to current locations as garden ornaments.	Proxy CH VP 4	Rectilinear fields and farms, planned rectilinear fields and farms, designed landscape Within the garden of Sandside House, not in-situ; one stone is from the Shore at Sandside, the other found built into a dyke at Shurrery Not in-situ
0-10km	Achvarasdal House, two stones N of	298332	964729	SM421			Reay	Two large fallen standing stones	Proxy CH VP 7	Designed landscape Located within the woodland surrounding Achvarasdale House On low lying land overlooked by low hills to the S but now obscured from the surrounding landscape by woodland The site would have had open views across the low lying landscape to Sandside Bay, views would also be afforded to a number of prehistoric sites to the S. However the views from the site are now very limited because of the woodland.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
0-10km	Achvarasdal House, broch 65m NE of	298352	964687	SM514			Reay	A broch (Iron Age) visible as a large grassy mound 18m in diameter. The interior walls survive to a height of 1.7m and there is an entrance at the east-southeast. There is evidence for possible outbuildings or related structures surviving in the substantial grassy mound surrounding the broch.	Proxy CH VP 7	Designed landscape (19th century) Located within the woodland surrounding Achvarasdale House The above ground elements of the modern wall, post and wire fence, local signage and the top 150mm of the path are excluded from the scheduling. The monument is surrounded by a 19th- century house and woodland but would have had fairly open views across the low-lying landscape towards Sandside Bay, 2.2km to the northwest. On low lying land overlooked by low hills to the S but now obscured from the surrounding landscape by woodland The site would have had open views across the low lying landscape to Sandside Bay, views would also be afforded to a number of prehistoric sites to the S and to the Broch at Achunabust to the E. However the views from the site are now very limited because of the woodland.
0-10km	Creag Bhreac Mhor, stone rows 200m ESE of	301174	965975	SM2386			Reay	The thirteen rows of stones originally visible in this monument appeared to radiate generally to the ESE from a group of four stones. The stone rows, in a hollow on undulating moorland, have been considerably obscured by peat and heather growth and only about six rows can be traced. The southern rows have been almost entirely buried by the vegetation. The stones appear to radiate from the direction of two cairns which are situated on a ridge to the NW.	CH VP 7	Rough grazing Located in a slight hollow on gently sloping moorland on the N aspect of the Hill of Shebster at about 70m above sea level Located on a prominent location overlooking low lying land to the N and overlooked by Cnoc Freiceadain and the Hill of Shebster to the S The site has extensive views to the NW and is overlooked by surrounding hills. The site would have had good intervisibility with Cnoc Freiceadain c. 500m to the S and other prehistoric monuments to the N.
0-10km	Bighouse Lodge, garden walls and west gate piers	289107	964841		LB7159	B	Farr	Mid/late 18th century house, with earlier/mid 19th century alterations and additions, and further additional west wing of circa 1900. Rear service court and offices. Walled gardens with mid 18th-century gate piers	CH VP 10 (Halladale Inn)	Designed landscape Located within modern farmland on the banks of Halladale river, close to where it feeds into the sea. As a large structure within open land, the site would have been a conspicuous features in the surrounding landscape, particularly from around Melvich Bay. The house itself is partly obscured by the associated woodland. The key view from the house would be to the SW from its main elevation but reasonable views to sea and across the open landscape around Melvich would also be afforded
0-10km	Forss House	303585	968768		LB14923	B	Thurso	Early 19th century double house of 2 storeys. 1930's chimney piece in NW ground floor additional room, inscribed as being made from timbers of HMS Bruton (a Nelson flag ship)	Proxy CH VP 8	Designed landscape Located on the banks of Forss water within a wooded area. The site is located in a flat open are with good visibility however the site is in a slight dip which reduces visibility and is obscured by the surrounding woodland The main elevation of the house faces to the NE, the view is limited to the facing woodland, Occasional gaps in the woodland to the SW allow some views to and of the house
0-10km	Forss Cottage	303792	968693		LB14924	C	Thurso	Mid-late 19th century, single storey, 3-bay cottage. Short wing projects to rear at SE and row of kennels at NE, forming U-plan rear court.	Proxy CH VP 8	Designed landscape Located on the banks of Forss water within a wooded area. The site is located in a flat open are with good visibility however the site is in a slight dip which reduces visibility and is obscured by the surrounding woodland The main elevation of the cottage faces NW but views beyond the surrounding woodland are limited and shield the site from view
0-10km	Reay Village, Brackside Bridge	295728	964615		LB14981	C	Reay	Early-mid 19th century twin arch bridge	Proxy CH VP 5	Smallholdings (19th and 20th century) Now serves as a road bridge carrying the A836 over the Sandside Burn within the village of New Reay Low lying and obscured from the surrounding area by buildings and vegetation Limited views of the SW end of New Reay , including contemporary post-medieval buildings and Reay Bridge, and to the hills to the SW. Otherwise obscured by modern buildings and vegetation.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
0-10km	Reay Village, Smithy Cottage and steading range	295629	964567		LB14982	C	Reay	Early-mid 19th century, single storey range of cottages , 9 irregular bays, now as one dwelling. 4 doorways including 1 in each end bay; cheese press built into wall at west end; ridge and end stacks; irregular ridge line ;Cheese press said to have been for communal village use. Formerly D Miller's cottage	Proxy CH VP 5	Smallholdings (19th and 20th century) Located to the SW end of the village of New Reay. Low lying and partly obscured from the surrounding area by buildings and vegetation but visible from higher ground to the SW Limited views of the SW end of New Reay village, including contemporary post-medieval buildings, and to the hills to the SW. Otherwise obscured by modern buildings and vegetation (especially forestry to the NE). Entrances facing NW towards the road
0-10km	Sandside House	295215	965155		LB14984	B	Reay	A large plain mansion, considerably restored with many modern additions, but partly 18th century	CH VP 4	Rectilinear fields and farms, planned rectilinear fields and farms (18th and 19th century), designed landscape (17th- 20th century) The site is located to the SW of Sandside Bay within a landscape which has seen modern farming as well as the construction of the Dounreay Nuclear Facility. The site is atop a low hill and is very prominent to the W, N and E but is obscured by woodland to the N. The key design axes of the estate grounds are east-west (as are the main house elevations and windows) and to the south. Key views would have been to the main house or other adjacent farm buildings or the farm land to the N.
0-10km	Sandside House, garden walls, 2 walled gardens, dovecote and privy	295127	965211		LB14985	B	Reay	18th and early 19th century walled gardens early-mid 19th century square, 2-storey dovecote and early 19th century, square privy. All associated with Sandside House (SM14984)	CH VP 4	
0-10km	Sandside House, kiln barn and single storey range of former byres, cottage, dairy and implement shed	295216	965234		LB14986	A	Reay	Kiln Barn (probably mid 18th century), with abutting contemporary 3-storey, 3-bay crowstepped barn. Associated with Sandside House	CH VP 6	
0-10km	Sandside House Gate Lodge and gate piers	295083	964629		LB14987	B	Reay	Later 19th century, single storey 3-bay gate lodge. Associated with Sandside House	Proxy CH VP 4	
0-10km	Sandside Harbour, Sandside 1 and 2, and fishing store	295762	965990		LB14988	A	Reay	Pair of 2-storey and attic dwellings c. 1830, built against bank with access from east (harbour side) and west at 1st floor at Sandside Harbour. Small ice house in dunes to south of harbour. Stores also sited by harbour. Harbour built circa 1830; simple rectangular basin, formed by two projecting L-shaped arms with higher sea-walls on seaward (east) sides; harbour entrance grooved for boom, with vestiges of cast-iron boom-hoist. Built by Major Innes of Sandside House for trade and fishing.	CH VP 1	
0-10km	Upper Dounreay Farm, steading	299820	965985		LB14989	B	Reay	Large open square steading range (c. 1840-50), including hoist loft entrance, 2-storey barn, cart bays, lean-to wheelhouse and threshing barn	Proxy CH VP 2	Holdings (20th century) Within modern farmland, setting largely altered by the construction of the Dounreay Nuclear facility Inconspicuous within an extensive area of low lying flat farmland, overlooked by higher ground further SE and SW. Extensive views in all directions, entrances to NW and SE
0-10km	Lybster Farm, steading	302483	968529		LB14991	B	Reay	Mid 19th century L-plan steading, flanked by stables and cottages. West front with cart bays and threshing barn.	Proxy CH VP 8	Holdings (20th century) Located within farmland close to Forss The site lies in low lying flat, open land and is a relatively large group of structures so would be conspicuous within the wider landscape The main elevations of the complex face to the SW or into the centre, Good intervisibility is afforded between the site and the open landscape in all directions

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
0-10km	Reay Parish Church and enclosure wall	296733	964822		LB14992	A	Reay	T-plan parish church 1739; alterations and re-seating, 1933. South-facing frontage	CH VP 5	Medieval – modern town Located on the W outskirts on Reay Conspicuous on a low rise sloping down to the village to the E and the coast to the N. Stands largely in isolation, with no immediate neighbouring buildings Clear views out across the landscape to the S, W and N and to the village to the E. Entrance and windows located on the southern elevation indicating the exterior of the building was meant to be viewed from the S looking N. From inside the views would have been outwards to the landscape further S.
0-10km	Reay Village, Reayburn House	296988	964930		LB17592	B	Reay	Early-mid 19th century, range of 3 houses, now 1 dwelling	Proxy CH VP 5	Urban area (19th-20th century) Located within the village of Reay, within an area of more modern housing with Dounreay Nuclear Facility in the wider setting Low lying on a gentle slope from west to east, obscured from the surrounding area by buildings and vegetation The main elevation faces SE towards the road with contemporary post-medieval buildings to the SW
0-10km	Reay Village, Market Cross	295900	964553		LB18831	B	Reay	16th or 17th century market cross	Proxy CH VP 5	Agricultural planned village (19th- 20th century) Beside the road in New Reay village, not in-situ Within village, not visible in the wider landscape Not in-situ, within modern housing and landscaping
10-20km	Bridge of Broubster, limekilns 1450m ENE of	304871	960820	SM5306			Halkirk	The foundations of 2 lime kilns and traces of quarrying on open heather moorland.	Proxy CH VP 12	Plantation (20th century) Located in rough grazing surrounded by forestry, on the NW facing slopes of a low hill close to Loch Calder. The location elevates the site slightly above the open flat landscape making it slightly more prominent The site has good views across the open flat landscape to the NW and more limited views to uphill to the S, SE and E
10-20km	Lorg an Fhamhair, footprint carving	305817	959292	SM5299			Reay	An incised footprint on the W end of an exposed rock. Such sites are associated with Early Medieval 'kingship'	Proxy CH VP 12	Rough grazing Located at c. 125m OD on the W facing slopes of Lorg an Fhamhair to the SW of Loch Calder, close to the summit and surrounded by forestry The low hill represents a moderately prominent feature in the wide open landscape There are good views across Loch Calder and the open flat landscape to the NW and low hills to the S although the location of the site is obscured by the surrounding forestry
10-20km	Carriside, hut circle 350m N of	307388	959320	SM5305			Reay	The round foundations of a prehistoric house, with traces of entrance to East side. One of a large group of prehistoric monuments located to the SW of Loch Calder	Proxy CH VP 12	Rough grazing Located on NE facing sloping moorland in forestry on the SW banks of Loch Calder The site occupied a low lying position and would be relatively inconspicuous in the wider landscape The site has good views across the open flat landscape to the NW and more limited views to uphill to the S, SE and E, however, views of the site from above are obscured by modern forestry. Entrance on E side.
10-20km	Carriside, cairns 750m NW of	306744	959354	SM5406			Reay	Two prehistoric cairns covered with heather and grass. One of a large group of prehistoric monuments located to the SW of Loch Calder	Proxy CH VP 12	Plantation (20th century) Located in woodland at c. 85m OD, 750m NW of Carriside. The slightly elevated site location makes it moderately prominent in the surrounding flat, open landscape The site has good view across the loch and the flat landscape to the N,E and S. It has good intervisibility with the numerous prehistoric sites on the banks of Loch Calder particularly to the chambered cairn (SM440), 490m to the E and the hut circle (SM5305), 640m to the E.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
10-20km	Creagan a'Bheannaich, chapel & graveyard	304083	957835	SM2660			Reay	The reputed site of a chapel and graveyard, possibly built on a prehistoric mound.	Proxy CH VP 12	Rough grazing Located in rough grazing at Shurrery close to Forss water. The site occupied a low lying position and would be relatively inconspicuous in the wider landscape The site has good views in all directions across the flat open landscape
10-20km	Holborn Head ,fort, Scrabster	310839	971545	SM559			Thurso	The remains of a promontory fort formed by a broad wall cutting off a precipitous headland	Draft wireline 211109 showed no visibility or impact	Rough grazing Located on a precipitous headland at Holborn head. The headland is in a prominent location, dominating Thurso Bay. The defensive nature necessitates key views from the site to have been out to sea but good intervisibility is also afforded across Thurso Bay to the landscape beyond
10-20km	Bridge of Broubster, standing stones 1350m NE of	304728	960846	SM426			Halkirk	The remains of a horseshoe shaped setting of standing stones 0.2m to 2.2m in height. One of a large group of prehistoric monuments located to the SW of Loch Calder.	CH VP 12	Located on a gently W facing slope at c. 60m OD on the edge of an area of forestry The slightly elevated site location makes it moderately prominent in the surrounding flat, open landscape The site has good visibility to the NW, W, and SW across the flat, open land and to the low slopes beyond. It also has good intervisibility with a number of other prehistoric monument in the area, including two further standing stones 740m to the S (SM428) and a stone circle 950m to the SW (SM427) as well as a number of hut circle and roundhouses along the banks of Forss Water to the W. There are forestry plantations other W and E which partly obscure views.
10-20km	Bridge of Broubster, two standing stones 1200m E of	304814	960057	SM428			Reay	Two standing stones of prehistoric date, aligned approximately N-S. The monument may have had a function in respect of the recently identified stone circle not far to its SW. One of a large group of prehistoric monuments located to the SW of Loch Calder	Proxy CH VP 12	Located in moorland on a W-facing hillside at 90m OD at the edge of an area of forestry. The slightly elevated site location makes it moderately prominent in the surrounding flat, open landscape The site has good visibility to the NW, W, and SW across the flat, open land and to the low slopes beyond. It also has good intervisibility with a number of other prehistoric monument in the area, including a group of standing stones 740m to the N (SM426) and a stone circle 320m to the SW (SM427) as well as a number of hut circles and roundhouses along the banks of Forss Water to the W. There are forestry plantations to the W and E which partly obscure views.

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10-20km	Hill of Shebster, chambered cairn	301182	964635	SM476			Reay	The remains of a round, stalled cairn of Orkney-Cromarty type. Part of a series of prehistoric monuments located across the Hill of Shebster and Cnoc Freiceadain. Entrance stones to SE.	Proxy CH VP 3	Rough grazing Located on the north facing slope of Hill of Shebster, close to the summit at c.128mOD within a modern farming landscape that has seen little to no urban or industrial development Set in a conspicuous topographic location The key views to and from the cairn would have been to the surrounding funerary monuments of Cnoc Freiceadain long cairn to c. 750m the north, as well as the numerous other cairn sites in the east and south. The entrance to the cairn is on the southeast side of the mound. Key views upon entering the mound would have therefore been to the southwest.
10-20km	Tulach an t'Sionnaich, long cairn 900m SSW of, Lieurary Mains	307045	961929	SM497			Halkirk	Multi-phase chambered burial cairn on a promontory on the north bank of Loch Calder. Adapted from round cairn, to heel-shaped cairn, to long cairn.	Proxy CH VP 12	Rough grazing Located on a promontory within moorland at the edge of modern farm land Fairly prominent lochside location The site has very good views across the loch with good intervisibility with a number of prehistoric sites around the loch particularly to two chambered cairns 260m to the W. The site is also visible from higher ground around the loch.
10-20km	Tulach Buaille Assery, chambered cairn	305734	960185	SM498			Halkirk	A prehistoric long cairn, with a round cairn, apparently superimposed upon its NE end, but probably pre-dating it. Long axis oriented NE-SW. Horned projections at either end. One of a large group of prehistoric monuments located to the SW of Loch Calder	Proxy CH VP 12	Rough grazing On the lower NE facing slopes of a low hill on the W side of Loch Calder, within an area of rough grazing adjacent to a modern forestry plantation The slightly elevated site location makes it moderately prominent across the loch and in the surrounding flat, open landscape Key views from the site are to the NE, E and SE with good intervisibility with a number of other prehistoric sites around the loch, including a large group of hut circles immediately to the N and E (undesignated) and another chambered cairn 215m to the SE (SM489)
10-20km	Tullochs of Assery, chambered cairns 1000m SW of Lieurary Mains	306771	961870	SM500			Halkirk	Two cairns on the north bank of Loch Calder, comprising: A short horned cairn, with 2 chambers set back to back, accessed by passages through N and S facades ; and a round chambered cairn with eccentrically set chamber and an entrance passage in the SE.	Proxy CH VP 12	Rough grazing Located on two lochside promontories within moorland at the edge of a forestry plantation Fairly prominent lochside location The site has very good views across the loch with good intervisibility with a number of prehistoric sites around the loch particularly to another chambered cairn 260m to the E. The site is also visible from higher ground around the loch.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
10-20km	Bridge of Broubster, stone circle 700m ENE of Broubster Village	304524	959927	SM427			Reay	A circle (really oval) of small upright stones, dating from the Neolithic or Bronze Age set on a gentle slope near to a stream within an area of rough grazing close to the Burn of Broubster. One of a large group of prehistoric monuments located to the SW of Loch Calder	Proxy CH VP 12	Rough grazing Located within moorland on the banks of the Burn of Broubster The site's low lying position makes it relatively inconspicuous although it is overlooked by slightly higher ground to the E and W There are good views from the site across the flat, open landscape to the N, W and S but also uphill to the E. The site has good intervisibility with a large number of other prehistoric sites in the area including to two standing stones 320m to the NE (SM428) and a group of standing stones 950m to the NE as well as a number of hut circles and roundhouses along the banks of Forss Water to the W. There are forestry plantations to the W and E which partly obscure views.
10-20km	Shurrery Kirk, chambered cairn	304878	958743	SM477			Reay	Remains of an Orkney-Cromarty type round cairn survive as a grass covered mound. One of a number of prehistoric monuments located within rough grazing at Shurrery	Proxy CH VP 12	Rough grazing Located within low lying moorland at Shurrery The site's low lying position makes it relatively inconspicuous although it is overlooked by slightly higher ground to the E and W There are good views from the site across the flat, open landscape to the N, W and S but also uphill to the E. The site has good intervisibility with a large number of other prehistoric sites in the area including to standing stones 310m to the S and another chambered cairn 410m to the S as well as further standing stones on the W facing slopes to the N as well as a number of hut circles and roundhouses along the banks of Forss Water to the W. There are forestry plantations to the W and E which partly obscure views.
10-20km	Shurrery Kirk, standing stone 270m S of	304888	958434	SM478			Reay	Two standing stones. One of a number of prehistoric monuments located within rough grazing at Shurrery	Proxy CH VP 12	Rough grazing Located within low lying moorland adjacent to Shurrery Kirk The site's low lying position makes it relatively inconspicuous although it is overlooked by slightly higher ground to the E and S There are good views from the site across the flat, open landscape to the N, W and gentle slopes to the S and E. The site has good intervisibility with a large number of other prehistoric sites in the area including chambered cairns 410m to the N and 125m to the SW as well as further standing stones on the W facing slopes to the N and a number of hut circles and roundhouses along the banks of Forss Water to the W. There are forestry plantations to the NW and E which partly obscure views.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
10-20km	Shurrery Kirk, chambered cairn 360m SSE of	304973	958343	SM479			Reay	The remains of a round Orkney-Cromarty type cairn. One of a number of prehistoric monuments located within rough grazing at Shurrery	Proxy CH VP 12	Rough grazing Located within low lying moorland at the edge of a forestry plantation at Shurrery. The site's low lying position makes it relatively inconspicuous although it is overlooked by slightly higher ground to the E and S. There are good views from the site across the flat, open landscape to the N, W and gentle slopes to the S and E. The site has good intervisibility with a large number of other prehistoric sites in the area including standing stones 125m to the NE (SM478) and fort and hut circles 690m to the SW as well as further standing stones on the W facing slopes to the N and a number of brochs, mounds and cairns along the banks of Forss Water to the W. There are forestry plantations to the NW and E which partly obscure views.
10-20km	Tota an Dranndain, broch, Shurrery	303746	957925	SM492			Reay	The remains of a broch comprising a large grassy mound with stone on the surface, together with the remains of associated structures and outer defences. One of a number of prehistoric sites alongside the burn	Proxy CH VP 12	Rough grazing Located in farmland on NE facing slopes above Forss Water at c.92mOD. While the site is located on relatively low lying land, it is overlooked by higher ground and as an imposing stone would have been relatively prominent in the wider landscape. There are good views from the site across the flat, open landscape to the N, W and gentle slopes to the SE and E. There is good intervisibility to the site of second broch 930m to the SW, there are also good views to a number of other prehistoric sites along Forss Water and on the gentle slopes to the NE.
10-20km	Tulach Gorm, broch near N end of Loch Shurrery	304188	957104	SM495			Reay	Possible broch visible as spread of stone in ploughed field. One of a number of prehistoric sites alongside the burn	Proxy CH VP 12	Rough grazing Located in farmland on NE facing slopes above Forss Water at c.98mOD. While the site is located on relatively low lying land, it is overlooked by higher ground and as an imposing stone would have been relatively prominent in the wider landscape. There are good views from the site across the flat, open landscape to the N, W and gentle slopes to the SE and E. There is good intervisibility to the site of second broch 930m to the NW, there are also good views to a number of other prehistoric sites along Forss Water and on the gentle slopes to the NE.
10-20km	Carriside, chambered cairn 350m NW of	307223	959278	SM440			Reay	A prehistoric chambered cairn. One of a large group of prehistoric monuments located to the SW of Loch Calder. Entrance into chamber is from the SE	Proxy CH VP 12	Rough grazing Located on N facing sloping moorland close to the SW banks of Loch Calder, adjacent to modern forestry plantation. The slightly elevated site location makes it moderately prominent in the surrounding flat, open landscape. The site has good view across the loch and the flat landscape to the N,E and S. It has good intervisibility with the numerous prehistoric sites on the banks of Loch Calder particularly to the cairn 480m W and the hut circle 170m E.

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10-20km	Loch a'Mhuilinn, chambered cairn 300m NE of	306272	957060	SM464			Reay	A possible chambered cairn or cist burial appearing as a turf covered stone mound with a large slab. Located in rough grazing land at c. 120mOD on a NE facing gentle slope at Brawlbin. One of a group of cairns in close proximity	Proxy CH VP 12	Located in rough grazing land at c. 120mOD on a NE facing gentle slope at Brawlbin, adjacent to an area of modern forestry plantation. The slightly elevated site location makes it moderately prominent across the loch and in the surrounding flat, open landscape. The key views from the site would be down the gentle slopes to the NE and E and across the open flat landscape and across the lope to the SE and S with good intervisibility to the cairns on the NE flank of Beinn Freiceadain and the fort and chambered cairn on its summit (SM530). There would also have been views to the long cairns 370m W (SM482) and the chambered cairn at 540m NW (SM481), these are now obscured by modern forestry
10-20km	Sithean Buidhe, chambered cairn 1000m WSW of Brawlbin Mains	306072	957565	SM481			Reay	An elongated prehistoric chambered burial cairn of composite construction, comprising a sub-circular cairn 17 m across, and a low irregular mound extending 80 m NNW from the cairn. One of a group of cairns in close proximity	Proxy CH VP 12	Rough grazing Located in rough grazing land at c. 100mOD on a NE facing gentle slope at Brawlbin. The elevated location above the low lying flat open land below makes it relatively prominent in the wider landscape. The key views from the site would be across the low lying land to the N. There would also have been some intervisibility with the long cairn 570m to the NE (SM482) and the chambered cairn 450m to the SE and the fort and hut circle 830m to the NW (SM542). The latter three sites and much of the landscape to the north is obscured by modern forestry plantation.
10-20km	Sithean Mor, long cairn 160m NW of Loch a'Mhuilinn	305892	957033	SM482			Reay	A 62m long horned long cairn, long axis NNE-SSW. Highest and likely chamber at NNE end. One of a group of cairns in close proximity	Proxy CH VP 12	Plantation (20th century) On high ground in a forestry plantation at c. 130mOD on a NE facing gentle slope at Brawlbin. The elevated location above the low lying flat open land below makes it relatively prominent in the wider landscape. The key views from the site would be across the low lying land to the N. There would also have been some intervisibility with the chambered cairn 570m to the SW (SM481) and the chambered cairn 380m to the SE and the fort and hut circle 945m to the NW (SM542). Views from the are obscured by the forestry plantation in which it lies.
10-20km	Torr Mor, cairn 500m NNE of Beinn Freiceadain, Brawlbin	306174	956370	SM491			Reay	Round cairn 8.5m in diameter with central cist situated on top of a natural knoll appearing as a small mound of grass-covered stones. One of a group of cairns in close proximity	Proxy CH VP 12	Rough grazing Located in moorland on the lower NE facing slopes of Beinn Freiceadain. The elevated location above the low lying flat open land below makes it relatively prominent in the wider landscape. The key views would be across the open flat land to the N, NE and E with some intervisibility to the cairn sites to the north and the other cairn sites below Beinn Freiceadain to the SE and the fort and chambered cairn site at the summit of the hill above.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
10-20km	Cnoc an Ratha, fort SSE of Shurrery Kirk	305262	957739	SM542			Reay	The remains of a fort enclosure some 90 x 100m in size, occupying the N end of an eminence rising from the moor of Brawlbin. Much ploughed and planted with conifers	Proxy CH VP 12	Plantation (20th century). Ploughed and planted with conifers. Rising from the moor of Brawlbin at 120m OD at the summit of a low hill 'Cnoc an Ratha' on the N flank of Ben Shurrery The elevated location above the low lying flat open land below would have made it relatively prominent in the wider landscape, before being planted by conifers Key views from the site would have been down the lower slopes of Ben Shurrery to the open flat landscape beyond to the NW including to the cluster of prehistoric sites adjacent to Forss Water and to the N, NE and E but also up slope to the S to Beinn Freiceadain, with good intervisibility now removed by forestry with the chambered cairn 830m to the SE (SM481) and Long Cairn 950m to the SW (SM482).
10-20km	Clach Clais an Tuirc, standing stone 1000m SE of Loanscorribest	299160	963166	SM441			Reay	A standing stone located within forestry adjacent to Achvarasdale Burn	Proxy CH VP 3	Forestry plantation 20th-century Located within forestry adjacent to Achvarasdale Burn Located in low lying, largely flat land overlooked by gentle hills to the S and W, affording it some visibility within the landscape. Now surrounded by forestry plantation The monument would have been visible to and from the slopes above. There are several (undesignated) prehistoric sites nearby including hut circles and a burnt mound which may also have had some intervisibility
10-20km	Borve Castle	272531	964113	SM2112			Farr	The remains a castle on a promontory, with rampart, ditches and footings of a keep and building ranges survive. Possible Norse origins. Occupied by the Mackays of Farr until the mid 16th to mid 17th century	Draft wireline 211109 showed no visibility or impact	Rough grazing Lies on a precipitous promontory, SW of Farr point The site occupies a prominent, distinctive location on the coast The key view from the site would be out to sea to the NW, N and NE but would also have good views along the coast between Farr Point and Strathy Point.
10-20km	Torr Bann Na Gruagaich, chambered cairn	305850	960004	SM489			Halkirk	A prehistoric long cairn 42m long NNE-SSW by 19 m wide with a prominent round mound situated at its N end. One of a number of prehistoric monuments close to the west banks of Loch Calder. Entrance on E side.	Proxy CH VP 12	Rough grazing On the lower NE facing slopes of a low hill on the W side of Loch Calder, within rough grazing adjacent to a forestry plantation The slightly elevated site location makes it moderately prominent eastwards across the loch. Prominence to east lost due to forestry Key views from the site are to the NE, E and SE with good intervisibility with a number of other prehistoric sites around the loch, including a large group of hut circles immediately to the N and E (undesignated) and another chambered cairn 215m to the NW (SM498). Views to W, NW, and SW screened by forestry plantation
10-20km	Millburn, Strath Halladale, barrows 340m NNE of	289033	955881	SM13622			Farr	A prehistoric burial monument surviving as a prominent, circular, grass-covered mound, built mainly of earth but with some stone visible in its sides, with a smaller secondary barrow to the east. Likely Bronze Age bowl barrow with external ditch and banks.	Proxy CH VP 10, 11	Smallholdings Situated on raising ground to the east of the Halladale River, at around 40mOD While the site is located on relatively low lying land so it is not very conspicuous, it is overlooked by higher ground giving it some wider visibility The site has good views up and down the course of Halladale Water (N-S) and to and from the slopes either side of the river valley in which it lies. There would have been good intervisibility to the hut circle 530m to the SE (SM18676)

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10-20km	Broubster Village, prehistoric settlement 560m WSW of	303248	959409	SM13618			Reay	A Bronze Age prehistoric settlement, visible as the turf-covered upstanding remains of four roundhouses, at least six burial cairns and a number of smaller clearance cairns.	Proxy CH VP 12	Rough grazing The monument lies in moorland at the edge of an area of modern forestry plantation at 90mOD, on the west bank of the Forss Water. The slightly elevated site location makes it moderately prominent in the surrounding flat, open landscape The main views are across the low lying landscape to the N, E and S, with good intervisibility with the numerous prehistoric sites along Forss Water including a group of roundhouses immediately to the S (SM13630). Views to the NW and W are partly obscured by modern forestry
10-20km	Broubster Village, prehistoric round houses	303306	959091	SM13630			Reay	Four Iron Age roundhouses visible as the turf-covered upstanding remains of four structures defined by substantial circular banks and set around 160m to 260m apart in a roughly triangular arrangement	Proxy CH VP 12	Rough grazing The monument lies in moorland at the edge of an area of modern forestry plantation at 90mOD, on the west bank of the Forss Water. The slightly elevated site location makes it moderately prominent in the surrounding flat, open landscape The main views are across the low lying landscape to the N, E and S, with good intervisibility with the numerous prehistoric sites along Forss Water including a Bronze Age settlement immediately to the N (SM13618). Views to the NW and W are partly obscured by modern forestry
10-20km	Strath Halladale Mission Church	289518	957803		LB7142	C	Farr	A simple rectangular harled rubble church with long-4-bay elevation facing road to west (1845). Corrugated iron porch at south gable.	Proxy CH VP 10	Located beside the road in Strath Halladale The site occupied a low lying position and would be relatively inconspicuous in the wider landscape The entrance is on the W facing elevation which would provide views across the valley to the low hills beyond, there would also be some views to and from the building up and down (N-S) the river valley, the approach to and from the church when in use. Views are partly obscured by areas of modern forestry plantation and other vegetation
10-20km	Westfield Farmhouse, adjoining range of dwellings and dovecote	306332	964186		LB7796	B	Halkirk	Mid-later 18th century, symmetrical 2-storey, 5-bay double pile house with long 2-storey early 19th century harled rubble range of dwellings, with pyramidal dovecote/poultry house	Proxy CH VP 3, 8, 12	Designed landscape Located within Westerfield which lies within an extensive area of open, flat, modern farmland. Baillie Hill and windfarm lies 3 km to the NW The site's low lying location does not afford it a prominent position. The site would have limited views across the open landscape, and up and down the river valleys; however these are largely obscured by woodland around the buildings
10-20km	Smigel Bridge, Farr	289503	957695		LB12915	B	Farr	Single span rubble bridge over Smigel Burn (c.1850)	Proxy CH VP 10	Formerly served as the road bridge carrying the A97, now disused Located in a slight dip in a inconspicuous location within the river valley. The site has limited views up and down the river valley and from the adjacent slopes but is largely obscured from the wider landscape by its topographical position and by vegetation

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10-20km	Lythmore Farm Steading, centre range	305369	966385		LB14953	B	Thurso	Earlier-mid 19th century, symmetrical 2-storey, 7-bay west facing range with paired cart bays, entrance to inner court.	Proxy CH VP 8	Located by the roadside SE of Forss in an area of open, modern farmland, on the slopes of the E side of Forss Water. Stemster Hill and windfarm lies 2 km to the W The site's location does not afford it a prominent position, although the extensive flat landscape to the NW would afford it some visibility . The site would have limited views across the open landscape to the NW, and up and down the river valley.
10-20km	Forss Water, humpback bridge	304113	967501		LB44721	B	Thurso	Mid 18th century single, high round-arched humpback bridge	Proxy CH VP 8	Rectilinear fields and farms, holdings Crosses Forss water, S of Forss, within an area of open modern farmland, with land sloping up gently to the E The site's low lying position means it would be relatively inconspicuous in the wider landscape but with some visibility from the slopes to the E Limited views would be afforded up and down the river and to the slopes on either side
10-20km	Bridge of Forss	303724	968663		LB14926	B	Thurso	Late 18th- to early 19th-century 2-span bridge, later widened.	Proxy CH VP 8	A836 road over Crosses Forss water, S of Forss, within an area of open modern farmland, with land sloping up gently to the E The site's low lying position means it would be relatively inconspicuous in the wider landscape but with some visibility from the slopes to the E Limited views would be afforded up and down the river and to the slopes on either side
20-30km	St Magnus' church, burial ground and hospital	315881	954875	SM5413			Halkirk	The remains of St Magnus' church, hospital and graveyard. Medieval site on pilgrimage route to St Magnus Cathedral, Orkney. Hospital first recorded in Royal charter of 1476. Burial ground continued in use into 19th century by Clan Gunn.	Draft wireline 211109 of SM 2401 showed turbines not visible due to intervening topography.	Planned Rectilinear Fields and Farms Located in low lying open, modern farmland of Spittal Mains, close to the A9. Spittal convertor station built in field to north. The site's low lying position means it would be relatively inconspicuous in the wider landscape but with some visibility from the low slopes of Spittal hill to the NE and Achanarras hill to the SW The site has reasonable views across the open land to the NW and SW, in valley between the adjacent hills. Open views now curtailed by shelter belt planting , and bunds of convertor station.
20-30km	Achanarras, cairn 800m NW of	314538	955753	SM2400			Halkirk	A cairn located on the gentle north facing slope of Achanaras Hill at 70mOD. Some 40 m from SM2401	Draft wireline 211109 of SM 2401 showed turbines not visible due to intervening topography.	Rough grazing Located on gentle slopes above low lying open, modern farmland just north of an area of modern mixed forestry The site location on a slope (rather than at the top) means that it is not particularly prominent Key views would be out across the open landscape to the north. Good intervisibility is afforded to two adjacent cairn sites, 70m to the W (SM2401) and another 240m to the NE (undesignated) and a hut circle 220m to the E. Views are partly obscured by areas of modern forestry
20-30km	Achanarras, cairn 800m NW of	314464	955754	SM2401			Halkirk	A cairn surrounded by five prostrate stones. Located on the gentle north facing slope of Achanaras Hill at 70mOD	Draft wireline 211109 showed turbines not visible due to intervening topography.	Rough grazing Located on gentle slopes above low lying open, modern farmland just north of an area of modern mixed forestry The site location on a slope (rather than at the top) means that it is not particularly prominent Key views would be out across the open landscape to the north. Good intervisibility is afforded to two adjacent cairn sites, 70m to the E (SM2400) and another 310m to the NE (undesignated) and a hut circle 290m to the E. Views are partly obscured by areas of modern forestry

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
20-30km	Achanarras, hut circle	314756	955772	SM2402			Halkirk	A hut circle visible as a grass and heather covered circular structure and low mound. Located on the gentle north facing slope of Achanaras Hill at 70mOD	Draft wireline 211109 of SM 2401 showed turbines not visible due to intervening topography.	Rough grazing Located on gentle slopes above low lying open, modern farmland just north of an area of modern mixed forestry The site location on a slope (rather than at the top) means that it is not particularly prominent Key views would be out across the open landscape to the north. Good intervisibility is afforded to three adjacent cairn sites; 220m to W(SM4200), 290m W (SM4201) and 110m N (undesignated). Views are partly obscured by areas of modern forestry
20-30km	Stemster, long cairn 790m NNW of Roadside	317420	962603	SM11239			Bower	The remains of a long cairn, visible as a turf covered mound. The main axis of the cairn, c. 45m in length, runs SSE-NNW. Main mound at SSE. Part of a group of prehistoric funerary monuments around Sordale Hill	Proxy CH VP 12, 13	Rough grazing Situating immediately to the NNW of a small reservoir at Stemster within modern farmland, at the summit of a low rise at 120mOD. The site's elevated position would offer it some prominence in the low lying landscape The site would have had good views across the open flat landscape in all directions. Key views would be to the other prehistoric funerary monuments in the vicinity, particularly the two other long cairns lower down the slopes of the hill, 660m to the NW (SM486) and 830m to the W (SM480) and also to across to a cairn on the summit of Sordale Hill to the W (SM442) and additional cairns on the lower slopes of Sordale Hill.
20-30km	Tulach an Fhuarain, cairn 310m NW of Bridge of Westerdale	312876	952088	SM494			Halkirk	A possible broch consisting of a featureless mound on a possible platform. One of numerous brochs around Westerdale and the River Thurso.	Proxy CH VP 12	Rectilinear fields and farms Located on the edge of a terrace above the flood plain of the river Thurso at Westerdale. The site is low lying and not conspicuous except in immediate locale. The site would have had good views across the open flat landscape in all directions. Key views would be to the adjacent broch site (SM494) 70m N, and to other broch sites downstream, 240m(undesignated) and 1.11km (SM534) as well as on the slopes of Achlachan Moss to the NE. Views are partly obscured by forestry plantations to the NW/ W.
20-30km	Tulach Lochain Bhraseil, cairn 310m WNW of Bridge of Westerdale	312821	952040	SM496			Halkirk	A cairn or broch visible as a grassy mound, possibly on a platform. One of numerous brochs around Westerdale and the River Thurso.	Proxy CH VP 12	Rectilinear fields and farms Located on the banks of the river Thurso close to Westerdale. The site is low lying and not conspicuous except in immediate locale. The site would have had good views across the open flat landscape in all directions. Key views would be to the adjacent broch site (SM496) 70m SW, and to other broch sites downstream, 260m(undesignated) and 1.14km (SM534) as well as on the slopes of Achlachna Moss to the NE. Views are partly obscured by forestry plantations to the NW/ W.

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20-30km	Cairn Merk, broch 800m SSE of Bridge of Westerdale	313320	951035	SM534			Halkirk	A broch appearing as a large grass covered mound, on a platform, with enclosure ditch and outer courtyard. Entrance to SE. Remains likely to be at least 2m high. One of numerous brochs around Westerdale and the River Thurso.	Proxy CH VP 12	Rough grazing Located on a slightly elevated platform on the east bank of the river Thurso south of Westerdale adjacent to an area of forestry. The site is moderately conspicuous in immediate locale. The site would have had good views in all directions across the open flat landscape. Key views would be to the other broch sites in the area such as those upstream at Westerdale, 1.11km (SM296) and 1.14km (SM496) or 2.2km downstream to Tulach Mor (S593) as well as on the slopes of Achlachna Moss to the NE. Views are partly obscured by forestry plantations to the NE.
20-30km	Cnoc Donn, broch 600m ESE of Dale Farm, Halkirk	314008	953296	SM541			Halkirk	A broch survives as a group of turf-covered earthworks with bank and ditch. One of numerous brochs around Westerdale and the River Thurso.	Proxy CH VP 12	Plantation (20th century) On low slopes at the edge of an area of forestry NE of Westerdale. Its slightly elevated position offers it some limited visibility in the wider landscape. The site would have had good views across the open flat landscape especially to the SW. Key views would be to the other broch sites in the area, particularly to the adjacent site 360m to the SE (SM545) and those at Westerdale (SM494 and 496), those further downstream on the River Thurso and 2.2km N to SM2235. Views are partly obscured by forestry plantations to the NE and SW.
20-30km	Dale Farm, broch 800m SE of	314188	953068	SM545			Halkirk	A broch appears as a large sub-circular grassy mound. One of numerous brochs around Westerdale and the River Thurso.	Proxy CH VP 12	Plantation (20th century) Located on low slopes at the edge of an area of forestry NE of Westerdale. Its slightly elevated position offers it some limited visibility in the wider landscape. The site would have had good views across the open flat landscape especially to the SW. Key views would be to the other broch sites in the area, particularly to the adjacent site 360m to the NW (SM541) and those at Westerdale (SM494 and 496), those further downstream on the River Thurso and 2.2km N to SM2235. Views are partly obscured by forestry plantations to the NE and SW.
20-30km	Fairy Hillock, chambered cairn SE of Spittal Mains	316374	954386	SM528			Halkirk	A short horned cairn 16 x 12m, possibly of Orkney-Cromarty type comprising a low mound with signs of a chamber on top.	Draft wireline 211109 showed turbines not visible due to intervening topography.	Rectilinear fields and farms Located on a gentle W facing slope in modern farmland close to Spittal at c. 120mOD. The site's slightly elevated position would offer it some visibility in the valley, although partly screened now by shelter belt. The site would have had good views across the open, flat landscape and to the slopes beyond.

Buffer Zone	Name	Easting	Northing	SAM No.	LB No.	LB category	Parish	Description	VP #, proxies & draft wireline comments	Setting
20-30km	Dirlot, stone rows 550m SW of	312290	948574	SM446			Halkirk	A setting of stone rows, which appears to have consisted of 13 or 14 rows presenting the usual characteristics, the stones being set with their flat faces looking across the row. These stone rows radiate E- and SE-wards from a rounded heather-clad knoll, with possibly 2 cairns.	Proxy CH VP 12	Rough grazing Located in heather moorland, radiating eastwards down a gentle slope, located at Dirlot and close to the banks of the River Thurso. The extensive Tormsdale and Causeymire windfarms lie in full view 3 km to E. The site's slightly elevated position would offer it some visibility in the immediate locale The site would have had good views across the open flat landscape, particularly to the E across the river valley. It would have had good intervisibility with the hut circle 160m to the NE (undesigned). Topography and now planation forestry screens more distant views to north.
20-30km	Lambsdale, cairn, Loch Shurrery	305124	954781	SM459			Reay	A possible cairn or burial site, partly excavated.	Proxy CH VP 12	Rough grazing On the E side of the Torran Water, above the S bank of Loch Shurrery at the base of the SW slopes of Beinn Freiceadain Although it is low lying, the site would have good visibility from across the loch and the low lying landscape to the S and SW indicates this is an intentional part of its setting, as well as being seen from the steep slopes of Beinn Freiceadain The site would have good views across the open landscape to the W and N as well as being overlooked by the hill behind. It would have some intervisibility to further prehistoric sites on the banks of Loch Shurrery and the fort on the summit above (SM530)
20-30km	Buaille Oscar, fort & chambered cairn, Beinn Freiceadain	305935	955788	SM530			Reay	A probable Early Iron Age fort, consisting of a single wall and rampart. A round chambered cairn appearing as a grass covered mound is located within.	Draft wireline 211109 showed only turbine tips above hub height visible	Rough grazing and hilltop moor On the summit of Beinn Freiceadain at 238mOD. Most wind farms in Caithness are clearly visible as are forestry plantations, but these do not impact the hilltop's prominence. As the highest point in the area, the site location occupies a topographically prominent position, visible across much of Caithness The site has extensive views in all directions. Key views to/from the site are to the group of cairns and hut circle on the NE flank of the hill (SM491, SM490, SM492, SM523) as well as to the cairns located on adjacent summits as well as to additional cairn sites to the N around the loch and the prehistoric sites around Broubster and Loch Calder
20-30km	Achies, broch 180m E of	313637	955060	SM509			Halkirk	A possible broch appearing as a grass covered mound on a platform. Close to numerous brochs to the south around Westerdale and the river Thurso.	Proxy CH VP 12	Rectilinear Fields and farms Within farmland on the lower W slopes of Achanaras Hill at c. 70mOD. Extensive forestry planted to E and S. The site's slightly elevated position would offer it some prominence in the low lying landscape, particularly from the N, W and S. The site would have had good views in all directions across the open flat landscape. Key views would be to the other broch sites in the area such as Achies South 700m to the SW (SM2235) and to those around Westerdale. Views are now partly obscured by modern forestry
20-30km	The Shean, cairn 500m WNW of Achanarras	314539	955259	SM475			Halkirk	A cairn mound 12 m diameter with central depression	Draft wireline 211109 showed turbines not visible due to intervening topography.	Rectilinear Fields and farms Located on a N facing slope of Achanaras Hill at c. 95mOD. Surrounded on N and W sides by mixed forestry planting The site's slightly elevated position would offer it some prominence from the low lying landscape to the N The site would have good views across the flat, open landscape to the N. The site would have good intervisibility with two further cairns and a hut circle on the lower slopes to the NE (SM2401, SM2400, SM2402)

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20-30km	Sordale Hill, Cnoc na Ciste, chambered cairn	315730	961982	SM442			Thurso	A chambered round cairn, also with cists on summit. Partly excavated. Part of a group of prehistoric funerary monuments around Sordale Hill	CH VP 13	Rectilinear fields and farms and rough grazing Located in modern farmland on the summit of Sordale Hill at 80 mOD The site's elevated position would make it prominent in the surrounding low lying landscape The site would have had good views across the open flat landscape in all directions. Key views would be to the other prehistoric funerary monuments in the vicinity, particularly to the long cairn 560m SW (SM 483) and the long cairn and chambered cairn 570m SW (SM483) on the lower slopes of Sordale hill as well as to those cairns on the adjacent summits to the NE (SM480 and SM11239)
20-30km	Gallow Hill, long cairns and chambered cairn	315325	961557	SM483			Thurso	Two long cairns oriented NNW-SSE, both with horned projections and one with possible chambers, and a single round chambered cairn. Part of a group of prehistoric funerary monuments around Sordale Hill	Proxy CH VP 13	Rectilinear fields and farms The cairns lie on the SW slopes of Sordale Hill, one at c.90mOD with the other two c.200m to the SE at c. 95m OD. The elevated position offers it some limited visibility in the wider landscape to the W The site would have good views across the open landscape to the W. Key views would be between the different cairns of the site and also NE 560-70m upslope to the cairn on the summit of Sordale Hill (SM442).
20-30km	Sinclair's Sithean, long cairn 1300m NW of Stemster	316561	962461	SM480			Bower	A long cairn appearing as a grassy mound with several hollows and earthfast stones. Part of a group of prehistoric funerary monuments around Sordale Hill	Proxy CH VP 13	Rough grazing Located within modern farmland on the NW end of a natural ridge close to Achingills. The site's elevated position would offer it some prominence in the low lying landscape The site would have had good views in all directions, particularly across the open flat landscape to the NW. Key views would be to the other prehistoric funerary monuments in the vicinity, particularly the two other long cairns; 870m to the NE (SM486) and 860m to the W (SM11239) and also to across to a cairn on the summit of Sordale Hill to the SW (SM442) and additional cairns on the lower slopes of Sordale Hill.
20-30km	Cairn of Sibmister, broch	316520	966220	SM535			Olig	Remains of a possible broch consisting of a mound with stone slabs protruding on top of a grassy hillock	Proxy CH VP 13	Rectilinear fields and farms Located in modern farmland on a steep slope by Murkle Burn on the NW side of the modern farm buildings at Sibmister. The site is set into a steep slope, meaning that it is mostly hidden in the surrounding landscape. The site has good views to the NW across the open landscape
20-30km	Stemster Hill, chambered cairn 1180m ENE of Sordale	317080	963166	SM486			Bower	The remains of a N-S oriented chambered long cairn. Part of a group of prehistoric funerary monuments around Sordale Hill	Proxy CH VP 13	Rectilinear fields and farms Situating at 95m OD in rough grazing moorland. The site's elevated position offers it some local prominence in the low lying landscape The site would have had good views in all directions, particularly across the open landscape to the N. Key views would be to the other prehistoric funerary monuments in the area, particularly that 660m SE (SM11239) and 870m SW (SM480), and to Sordale Hill.

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20-30km	Achie East, broch 800m NE of	313999	955653	SM2235			Halkirk	The remains of a broch mound on a platform. One of numerous brochs around Westerdale and the River Thurso.	Proxy CH VP 12	Plantation (20th century) Within a clearing in plantation forestry on the lower NW slopes of Achanaras hill at c.65mOD The site's slightly elevated position would have offered it some prominence in the low lying landscape, particularly to the N, but is now screened by forestry The site would have had good views in all directions across the open flat landscape. Key views would be to the other broch sites in the area such as Achiees 700m to the SSW (SM509). Views are now screened by modern forestry
20-30km	Castlehill, broch 400m NNW of Kylerhea	319367	968764	SM2189			Olrig	The remains of a broch appearing as a large grassy mound with many protruding stones. Norse burial found on top	Proxy CH VP 8, 9	Rough grazing Located at c.7m OD and 20m inland from the shore of Dunnet Bay in rectilinear fields. The site would have been conspicuous along the coast at Dunnet Bay The key view from the site would be out to sea across Dunnet Bay
20-30km	Ring Hillock, cairn 280m S of Breezy Brae	319910	965961	SM474			Olrig	The remains of a grass-covered cairn with some stones protruding, probably dating to the Bronze Age	Proxy CH VP 13	Planned Rectilinear Fields and Farms Positioned on a low rise about 65mOD within modern farmland The site's elevated position would offer it some local prominence in the low lying landscape There are relatively long views in all directions, including northwards to Dunnet Bay. There is also good intervisibility to another Cairn site 730m to the NE (SM493)
20-30km	Castletown Battery, battery 505m N of Tralorn	318454	969047	SM13625			Olrig	The remains of a coastal artillery battery constructed around 1866. It is visible as a mortared stone wall and earth bank, with two cannon embrasures. Constructed in response to the perceived threat of a French invasion, and manned by a volunteer artillery battalion	Proxy CH VP 9, 13	Rectilinear fields and farms Located on the coast overlooking Dunnet Bay, around 10m above sea level. The site would be locally conspicuous from the S, but less so from the sea, blending into the rocky coastline. The key view is out N/NW to sea across Dunnet Bay
20-30km	Thurdistoft, broch 275m SSE of Castletown	320783	967319	SM590			Olrig	Probable Iron Age broch, consisting of a flat-topped, grassy mound 24.0m in diameter and 2.0m high. Two distinct sections of the outer wall face are visible in the north and south.	Proxy CH VP 13	Planned Rectilinear Fields and Farms Located in farmland Located in low-lying area, with virtually no prominence in the landscape Key views would have been to other brochs in the area (SM572, SM 2189). Castletown and dunes of Dunnet Bay part of the setting
20-30km	Dunnet Parish Church and burial ground	321987	971183		LB1888	A	Dunnet	Simple T-plan church, possibly with pre-Reformation core and 1837 north aisle, and with 2-storey tower at west gable, probably of 17th/early 18th century date	Proxy CH VP not needed, no effect identified	Located within Dunnet village The site is an imposing building within the village but is obscured by buildings and vegetation from the wider landscape Entrance on the S facing elevation with views NE and SW along the orientation of the adjacent roadway. Views from the site are dominated by the adjacent buildings
20-30km	Dunnet Parish Manse	321960	971120		LB1889	B	Dunnet	A symmetrical 2-storey 3-bay gabled house, c.1840	Proxy CH VP not needed, no effect identified	Located within Dunnet village The manse is a relatively large building within the village but is obscured from the wider landscape by buildings and vegetation Views from the site are dominated by the adjacent buildings. Key view is to the church.
20-30km	Dunnet Head Lighthouse, Keepers'Houses, Enclosure and Gate Piers	320270	976756		LB1890	B	Dunnet	A Robert Stevenson Lighthouse, 1831. Short circular tower with semi-circular single storey building at base, a pair single storey 4-bay keepers' houses, rubble enclosure wall and gate piers	CH VP 9	Moorland and rough grazing on cliff edge Located at c.95mOD on northernmost tip of Dunnet Head. The site occupies a prominent, distinctive location on the Dunnet Head promontory Key views from the site are out to sea to the N
20-30km	Westerdale, Dale House	312974	952291		LB7793	B	Halkirk	Mid/late 18th century house, facing east/west, with considerable sympathetic additions to north, dated 1910, and south, dated 1933.	Proxy CH VP 12	Rectilinear fields and farms Located in Westerdale, on the banks of the River Thurso The site occupies a low lying position but its size would have made it quite conspicuous in the flat open landscape

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										Key views are across the river Thurso to the W and to the E. Views to the E and SSE are obscured by modern forestry plantations, beyond which Tormsdale and Dale windfarms are located. Views to W also have been curtailed by forestry.
20-30km	Westerdale, Dale House, Dovecote and Walled Garden	312956	952108		LB7794	B	Halkirk	17th or early 18th century, beehive rubble dovecote associated with Westerdale house, in 19th century square walled garden with rubble walls with stone slab coping	Proxy CH VP 12	Rectilinear fields and farms Located in Westerdale, on the banks of the River Thurso The site occupied a low lying position within a garden. Key views are to the associated house and garden
20-30km	Westerdale Bridge over River Thurso	313081	951828		LB7805	B	Halkirk	Twin arched rubble bridge 1834	Proxy CH VP 12	Rectilinear fields and farms, rough grazing Located in Westerdale, now serves as a road bridge carrying the B870 across the River Thurso The site occupied a low lying position and would be relatively inconspicuous in the wider landscape Good views are afforded locally in all directions across the open flat landscape
20-30km	Westerdale Church, wall and gates	312885	951650		LB7806	B	Halkirk	Simple low T-plan church, dated 1844, with wing to north and entrances masked by small porches in NE and NW re-entrant angles.	Proxy CH VP 12	Scattered hamlet Located in Westerdale The church is a relatively small building and is obscured from the wider landscape by the surrounding buildings and shrubbery Orientated NW-SE, key views from the site would be with the village of Westerdale and the manse
20-30km	Murkle, Biggins steading	316585	968282		LB14013	B	Olig	Long rubble steading range c.1860, with long south elevation fronting road. Barn, with loft entrance in west gable, in west half of building; stables and byre in east	Proxy CH VP 8, 13	Rectilinear fields, farms and smallholdings Located in low lying modern farmland within Murkle, close to Castletown The site occupies a low lying position within an extensive squared field system with frequent contemporary farmstead so would be relatively inconspicuous in the wider landscape The site is orientated E-W in line with the adjacent main road A836. The main elevation is on the roadside so the key view would be across the farmland to the S
20-30km	Olig House	318596	966334		LB14014	B	Olig	House, c.1830-40, with some modification 1859-61 by David Bryce, and later 19th century additions and alterations to rear incorporating small 18th dwelling	Proxy CH VP 13	Designed landscape Located within woodland, SW of Castletown While the site is a relatively large imposing building, it occupies a low lying position and is largely obscured from view by the surrounding estate woodland. The buildings are aligned NE-SW, with the main entrance on the SE facing elevation. The key views from the house would be onto the extensive driveway or the surrounding woodland
20-30km	Sordale Farm	314732	961949		LB14956	B	Thurso	Early-mid 19th century, farmstead, probably built over extended period	Proxy CH VP 12, 13	Rectilinear fields and farms Located within modern farmland at Sordale, beside the A9 The site occupies a low lying position and would be relatively inconspicuous in the wider landscape The site has good views across the flat, open farm land beyond, and also looks into the central farmyard. View to Sordale House 2 fields to the N also key.
20-30km	Harold's Tower Mausoleum	313542	969236		LB14919	B	Thurso	Late 18th-century hexagonal mausoleum built by Sir John Sinclair of Ulbster for family, on supposed site of chapel commemorating spot where Earl Harold the Younger supposedly killed and buried in 1196. Mausoleum broken into and coffins displaced	Proxy CH VP 8, 9	Rectilinear fields and farms Located in improved pasture field The site occupies a low rise on the W slopes of Clardon Hill and is be relatively conspicuous in the wider landscape The site has extensive views across the Pentland Firth and W down to Thurso castle, which is a key axis.
20-30km	Castletown Drill Hall	319295	968048		LB52382	C	Olig	Castletown Drill Hall was built for the 6th Caithness Artillery Volunteers in 1892, with alterations made by Sinclair Macdonald in 1901 and by Sinclair Macdonald and Son in 1936. It is a 2-storey, 5-bay, approximately rectangular-plan former drill hall, and designed in a Scots Baronial style	Proxy CH VP not needed, no effect identified	Urban area (19th-20th century) Located in the town beside the A836 The site is located within a built-up area of 19th- and 20th-century commercial and domestic buildings Key setting is the village and the other buildings on Main Street

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20-30km	Stemster House Dovecote	318312	961092		LB590	C	Bower	Typical 17th/18th century dovecot, now unroofed and dilapidated	Proxy CH VP not needed, no effect identified	Designed landscape Located on edge of estate woodland The site is located in estate woodland near farm cottages of Stemster House Key setting is the estate and its woodland
30-40km	Ben Griam Beg, fort, Forsinard	282962	941092	SM1836			Kildonan	The remains of the highest hillfort on Scotland comprising a complex of walls and structures	CH VP 11	Rough grazing Located on the summit of Ben Griam Beg (580m OD) The site occupies a topographically prominent position on the summit of a steep sided hill distinctive in a predominantly open flat landscape The site has extensive 360 degree views over the low lying flat open landscape below and to Ben Griam Mor to the SW.