

GGAT 112: Second World War Military Airfields of South Wales

RAF Llandow

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A report for Cadw
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SUMMARY

Contrary to popular belief, Wales was not a quiet backwater during the conflicts of the twentieth century. Its position, distant from the Continent, made it ideal not only for the manufacturing, maintenance and storage of armaments, but also for military training and research and development, including weapon testing. Fighter stations defended the industrial towns and the docks, which were targets for German bomber planes. In the Second World War Wales was in the front line in the Battle of the Atlantic and the coast was defended against a possible German invasion from Ireland (Cadw 2009, 4).

Against this backdrop, the military aviation sites in Wales form an important group. They developed distinct functions and purposes, often forming parts of wider operational, training or storage networks. A few sites were established to protect the coast and shipping during the First World War. These functions were greatly expanded during the Second World War during the latter part of which some sites developed into transport hubs for transatlantic flights. The function and development of each site has added to its own unique character and has given weight to the view that they are important historical and archaeological monuments in their entirety, each comprising a plethora of functionally distinct elements that contribute to their status.

This project does not seek to rewrite the histories of each airfield, which are available elsewhere. Instead it seeks to understand the significance of each site and to identify which elements embody that significance and those, which are of national and regional importance. This understanding of the significance of each site will be underpinned by legislative frameworks and the guidance enshrined in the 2011 Cadw document *Conservation Principles*, and will where possible also highlight priorities for future research and recording work.

INTRODUCTION

Due to the high level of survival of standing structures at the former RAF Llandow site, it was decided that these structures should form a separate annex to the main report.

4. Airfield Gazetteer (cont.)

4.4 RAF Llandow

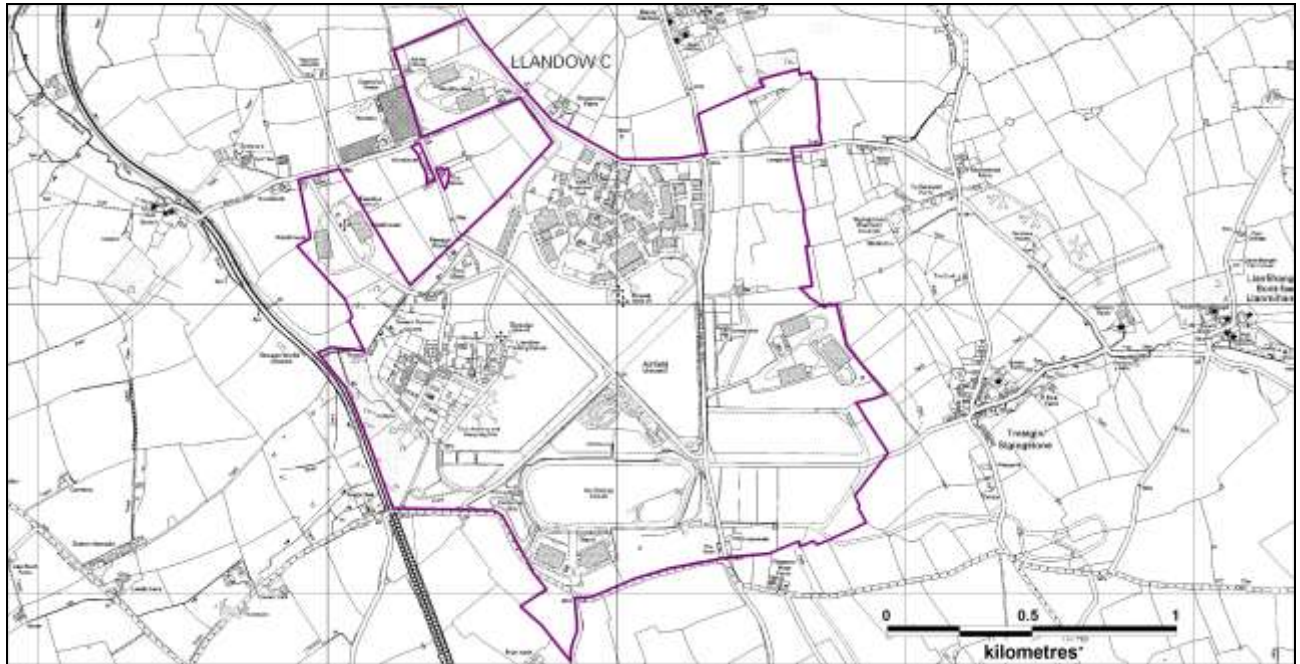


Figure 1: Second World War Airfield boundary shown in purple (drawn from Air Ministry plans)

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Figure 2: Aerial view of Llandow 8th March 1944 Image courtesy Welsh Government Photographic Archive

ID No	LD
PRN	04175s
Name	RAF LLANDOW
NGR	SS9595071770
Air Ministry Plan?	Yes
In Use	Yes
Description	RAF Llandow was a Royal Air Force airfield situated near the village of Llandow, Vale of Glamorgan, South Wales 15 miles west of Cardiff. It opened in 1940 and closed in 1957. The principal RAF unit based at Llandow throughout its existence was No. 38 Maintenance Unit (38 MU), which was tasked with the reception, storage and despatch of RAF aircraft. 38 MU opened on 1st April 1940 and closed on 15th March 1957. Other wartime RAF units were based at Llandow between June 1941 and July 1944. The first was No. 53 Operational Training Unit B Flight equipped with Supermarine Spitfires, which arrived on 24th June 1941. A satellite station at RAF Rhoose (PRN 04243s), now Cardiff Airport, was also used by this unit. Three small transport flights were formed here during April 1944 with No. 1312 Flight RAF remaining based until 21st July 1944 with six Avro Anson I's for transporting urgent personnel to and from the Normandy Landing area. No. 614 (County of Glamorgan) Squadron had been formed at Cardiff in June 1937 before moving away at the outbreak of the Second World War. Post-War equipment required a larger airfield as base and Llandow was chosen. The Squadron officially reformed here on 10th May 1946 and the first Spitfire F.16's were received in November, being replaced by F.22's in August 1948. Jet Equipment in the form of de Havilland Vampire fighters arrived in July 1950 and continued in use until disbandment of the squadron on 10th March 1957, with all Royal Auxiliary Air Force units. Another long-resident post-war flying unit based at Llandow was No. 663 Squadron (663 Polski Szwadron Powietrznych Punktów Obserwacyjnych) RAFs No.1952 AOP Flight, equipped with Auster AOP.6 aircraft. The squadron's personnel were drawn from Polish artillery units and its primary role was to observe enemy ground targets and to help direct artillery fire on them. This flight was based here from 1st July 1949 until disbandment in March 1957. The RAF's Burmese Conversion Squadron was based here for a period from 1953 to familiarise Burmese pilots with their newly acquired ex-RAF Supermarine Spitfires fighters. No. 4 Civilian Anti-Aircraft Co-operation Unit was based at RAF Llandow between 1st August 1951 and 1st July 1954 equipped with the de Havilland Mosquito and Spitfire aircraft to tow targets and act as targets for army units in South Wales and nearby areas. In 1937, 614 Squadron was the first unit to use Llandow. The Squadron was formed at Llandow, equipped with Hind and Hawker Hector aircraft, but moved to RAF Odiham in the autumn of 1939. The airfield was re-developed and re-opened on 1st April 1940 for aircraft storage under the control of 38 Maintenance Unit (MU). Stored aircraft included De Havilland Tiger Moths; Fairey Battles; Fox Moths; Bristol Blenheims; Supermarine Spitfires; Armstrong Whitworth Whitleys; Avro Lancaster bombers; Armstrong Whitworth Albemarle and American Boston light bombers. From July 1941, 53 Operational Training Unit (OTU) began a fighter training programme using Miles Masters and Spitfire aircraft. The unit moved to Kirkton-in-Lindsey on 9th May 1943, and were replaced in July 1943 by the 3 Overseas Aircraft Preparation Unit. The unit prepared Bristol Beaufighters, Vickers Warwicks and Wellingtons, and Lockheed Vega Ventura 5s for ferrying abroad, until the unit was moved to Dunkeswell in August 1945. 614 Squadron were reformed as an auxiliary fighter unit on 26th August 1947 at Llandow equipped first with Spitfires

and then with Vampires. The A flight of 633 Squadron were also based here between July 1949 and March 1957. The airfield continued to be used as a storage satellite for RAF St Athan, until the length of its runways made it unsuitable for the heavier jetfighters entering service.

The site was used as an grass strip airfield with a few wooden buildings from 1937, but its main Period of wartime use began on 1st April 1940 as an Aircraft Storage Unit (ASU) run by 38 Maintenance Unit (MU). One L-type hanger was initially built to house the first Westland Lysanders, De Havilland Tiger Moths, Fairy Battles, Fox Moths and Bristol Blenheims. The runways were completed in the autumn of 1941. Eleven Super Robin hangers and a further seven L-type hangers were rapidly built. As more aircraft arrived for storage (up to 856 by November 1945), a further two K-types, one J-type, two T2s, and one A1 hangar were added with 12 Blisters. The defences around the airfield included Picket-Hamilton forts. All the original buildings remain intact and are used for storage behind security fencing. The type 518/40 pattern control tower is now used as offices. The main runway forms a public road, with the B4270 using part of the perimeter track. A go-cart circuit also uses parts of the runways and the perimeter track.

Condition	Near Intact
Condition rating	Good
Period	Modern
Form	Airfield
Of technical/Structural interest?	No
Historical association?	Yes

Llandow Sub sites

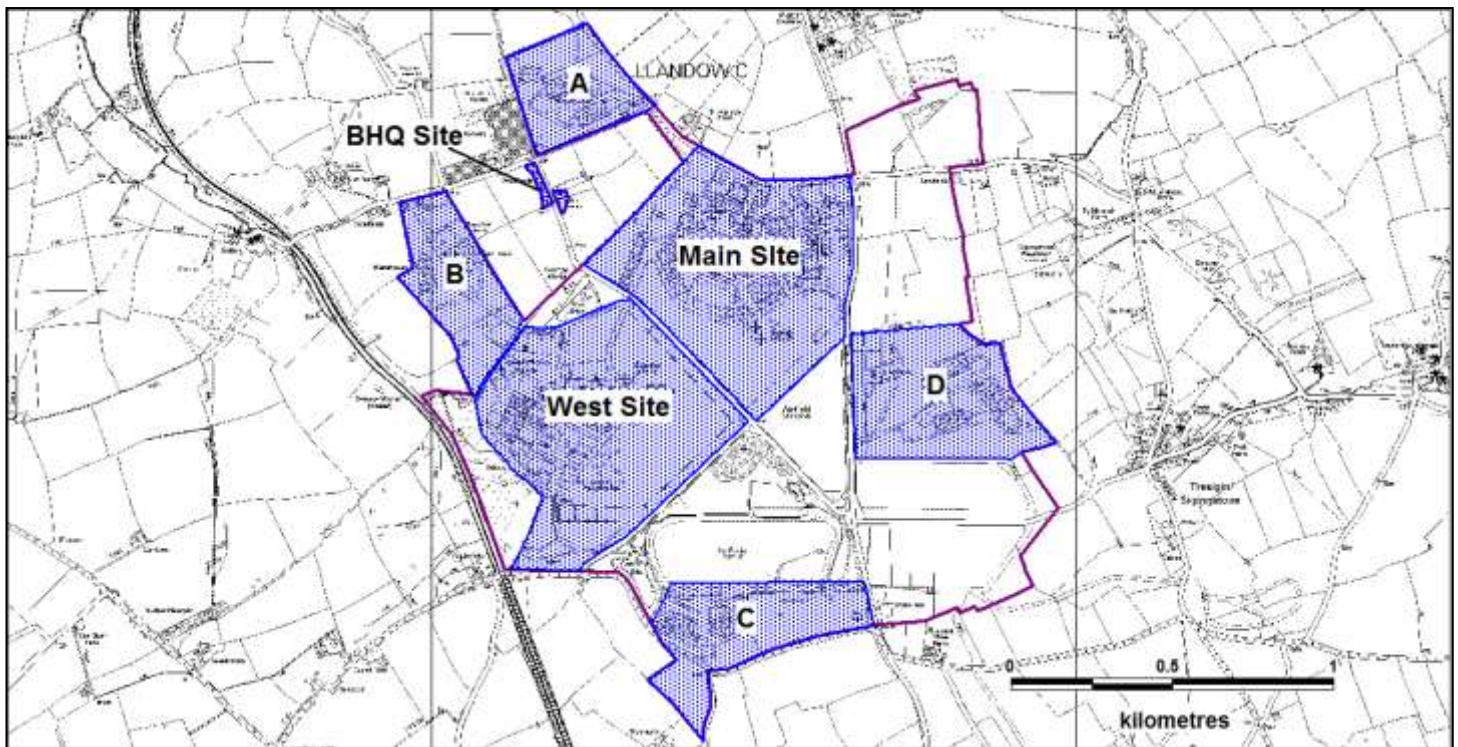


Figure 3: Airfield sub-areas (shown in blue) as defined on the Air Ministry maps

4.4.1 Site 'A'

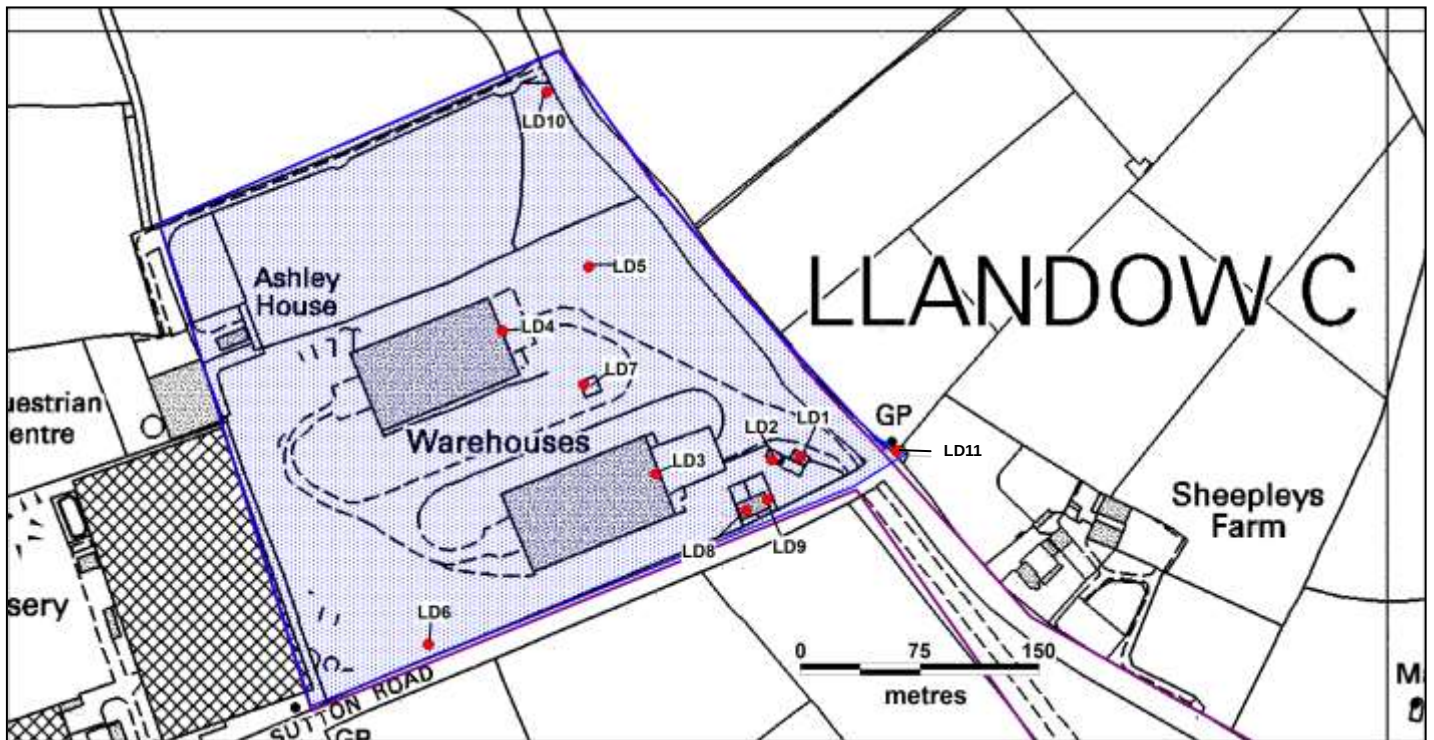


Figure 4: Surviving sites within the airfield sub-area 'Site A' (shown in blue)

ID No	LD1
PRN	04176s
Name	WARDENS OFFICE
NGR	SS9563172739
On Air Ministry Plan	Yes
MoD Building No	32
In Use	No
Description	Wardens Office Sub-Unit type 2881/37. This structure is the standard type found on most Aircraft Storage Units (ASU) sub-sites such as Llandow Site 'A'. The rectangular building has a colonnade of four square-faced columns, without capitals, at the front and an extension with a single lancet window to the southeast of the structure. The being has been clad in cement render. At the rear of the building is an enclosed area encircled by a high wall. Within this enclosure is a steel framed structure of unknown use. The building exterior is still in a fair state of preservation, though some of the concrete render to the final northwest column has fallen away exposing the brickwork beneath. In addition, a number of tiles are also missing from the front of the roof. The interior has faired less well.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building

Associated PRN sites 04177s, 04178s, 04179s, 04180s, 04182s, 04183s, 04184s, 04185s, 04487s

Linked to airfield function? No

Of technical/Structural interest? Yes

Historical association? No



Plate 1: Wardens Office (northeast facing elevation)



Plate 2: Side elevation of the Wardens Office (southeast facing)



Plate 3: Interior of the building



Plate 4: Enclosed area at the rear of the office with the unknown steel framed structure

ID No	LD2
PRN	04177s
Name	CANTEEN
NGR	SS9560872739
On Air Ministry Plan	Yes
MoD Building No	36
In Use	No
Description	A rectangular brick building rendered in concrete with internal steel 'A' frame supporting a corrugated asbestos roof. This buildings fabric is in a poor state of repair and all the windows and doors have been removed, as too have all the internal fixtures.
Condition	Damaged
Condition rating	Very Bad
Period	Modern
Group Value	No
Form	Building
Associated PRN sites	04176s, 04178s, 04179s, 04180s, 04181s, 04182s, 04183s, 04184s, 04185s, 04487s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 5: Front elevation of the canteen block (northeast facing)



Plate 6: Interior of the canteen. Note the steel 'A' frame roof supports

ID No	LD3
PRN	04178s
Name	'L' TYPE HANGER
NGR	SS9594072720
On Air Ministry Plan	Yes
MoD Building No	31
In Use	Yes
Description	This curved military aircraft hangar produced in 1939 is to be found mainly at Storage and Maintenance units. The 'L' shed (Drawing No. 5163/39 & 10755/39) is a steel frame structure, which is then clad with steel sheeting and reinforced concrete and typically covered with a thin layer of concrete, earth and turf. This hangar has had a degree of conversion, mainly to the front elevation. The flanking offices have been re-clad and re-roofed, however, the remains of heating chimney stack is still in place. The rear of the hangar maintains more of its original look. Internal rooms have been constructed within the interior and the hangar is currently in use by a furniture store.
Condition	Converted
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04176s, 04177s, 04179s, 04180s, 04181s, 04182s, 04183s, 04184s, 04185s, 04487s
Linked to airfield function?	Yes
Of technical/Structural interest?	No
Historical association?	No



Plate 7: Front elevation of the 'L' type hangar. View to the northwest



Plate 8: Rear elevation. View to the east

ID No	LD4
PRN	04179s
Name	'L' TYPE HANGER
NGR	SS9544172810
On Air Ministry Plan	Yes
MoD Building No	30
In Use	Yes
Description	This curved military aircraft hangar produced in 1939 is to be found mainly at Storage and Maintenance units. The 'L' shed (Drawing No. 5163/39 & 10755/39) is a steel frame structure, which is then clad with steel sheeting and reinforced concrete and typically covered with a thin layer of concrete, earth and turf. This hangar has had a small amount of alteration. The flanking offices have been re-clad and re-roofed and all the external doors and windows have been covered.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04176s, 04177s, 04178s, 04180s, 04181s, 04182s, 04183s, 04184s, 04185s , 04487s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 9: Front elevation of hangar 30



Plate 10: Close-up of the hangar doors

ID No	LD5
PRN	04180s
Name	AIR RAID SHELTER
NGR	SS9549872853
On Air Ministry Plan	Yes
MoD Building No	38a
In Use	No
Description	Underground air raid shelter. The entrance is constructed from brick, while the emergency exit is made from pre-cast concrete. Access to the interior of this site was not possible and therefore the condition is unknown.
Condition	Not known
Condition rating	Not recorded
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04176s, 04177s, 04178s, 04179s, 04181s, 04182s, 04183s, 04184s, 04185s, 04487s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 11: Entrance to the shelter. View to the north



Plate 12: Emergency exit constructed from pre-cast concrete

ID No	LD6
PRN	04181s
Name	AIR RAID SHELTER
NGR	SS9539872617
On Air Ministry Plan	Yes
MoD Building No	38b
In Use	No
Description	A semi-sunken air-raid shelter manufactured by the Stanton Ironworks Co Ltd in Derbyshire (better known for sewage pipes & manhole covers). This type of shelter could be built in any length but usually consisted of 18 sections of pre-cast concrete arched-shaped sides, bolted together to form a standard Air Ministry shelter for 50 men. The entrance is brick-lined, though heavily overgrown, and with concrete steps. The emergency escape hatch at the rear is accessed via an iron ladder, which is not in place. Stanton shelters were built by several different companies such as Geo, Wimpey, Mowlem and Tarmac.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04176s, 04177s, 04178s, 04179s, 04180s, 04182s, 04183s, 04184s, 04185s, 04487s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 13: Entrance to shelter 38b



*Plate 14: Interior of the shelter.
Note the pre-cast rib construction*

ID No	LD7
PRN	04182s
Name	STATIC WATER TANK
NGR	SS9549572782
On Air Ministry Plan	Yes
MoD Building No	35
In Use	No
Description	Static water tank (Drawing No. 511/41), constructed to hold 60,000 gallons of water. This feature is now heavily overgrown with vegetation, but still holds water. These features were referred to as 'Fire Pools', as they could be used to extinguish fires.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04176s, 04177s, 04178s, 04179s, 04180s, 04181s, 04183s, 04184s, 04185s, 04487s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 15: Static water tank, still surrounded by the original railings

ID No	LD8
PRN	04183s
Name	MARRIED WARDENS QUARTERS (W)
NGR	SS9559872699
On Air Ministry Plan	Yes
MoD Building No	33
In Use	Yes
Description	Western end house of the two semi-detached Married Wardens Quarters. This building is much altered with a new extension and garage built onto the western gable end and new front porch. Both of these properties are in private ownership.
Condition	Converted
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04176s, 04177s, 04178s, 04179s, 04180s, 04181s, 04182s, 04184s, 04185s, 04487s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 16: Western of the two Married Wardens Quarters (south facing elevation)

ID No	LD9
PRN	04184s
Name	MARRIED WARDENS QUARTERS (E)
NGR	SS9560772703
On Air Ministry Plan	Yes
MoD Building No	33
In Use	Yes
Description	Eastern end house of the two semi-detached Married Wardens Quarters. This eastern house is almost unchanged from its original form still having its original windows and side door. Both of these properties are in private ownership.
Condition	Near Intact
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04176s, 04177s, 04178s, 04179s, 04180s, 04181s, 04182s, 04183s, 04185s , 04487s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 17: Eastern of the two Married Wardens Quarters (south facing elevation)

ID No	LD10
PRN	04185s
Name	TYPE FW3/22 PILLBOX
NGR	SS9547972958
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	A hexagonal pillbox designed by the Department of Fortifications and Works branch 3. The brick build structure has an internal 'Y' shaped anti-ricochet wall and concrete cast loopholes for five light machine guns and one rifle. The frame for a Turnbull mount survives in the northern most loophole. This feature was used for mounting Vickers machine-guns, though Brens, Lewis, water cooled Brownings and Hotchkiss MGs could all be used. Each mount needed 4' 9" of space between the loophole and the back (baffle) wall to allow the gunner room to position himself behind the mount. This type of pillbox was originally designed to have 15in bulletproof walls many were built with 42in thick shellproof walls. An external blast entrance has been added to the pillbox.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04176s, 04177s, 04178s, 04179s, 04180s, 04181s, 04182s, 04183s, 04184s, 04487s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 18: Type 22 pillbox. View to the east



Plate 19: View of the Turnbull mount frame within the northern most loophole

ID No	LD11
PRN	04487s
Name	PILLBOX
NGR	SS9547972958
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	A heavily overgrown pillbox located at the road junction to the east of the site entrance. This structure has now become enclosed in by the hedgeline, but would have been part of the sites defences along site PRN 04185s, that lies to the northwest. Access to this site was not possible and therefore the condition is unknown
Condition	Unknown
Condition rating	Not recorded
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04176s, 04177s, 04178s, 04179s, 04180s, 04181s, 04182s, 04183s, 04184s, 04185s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No

4.4.2 Site 'B'

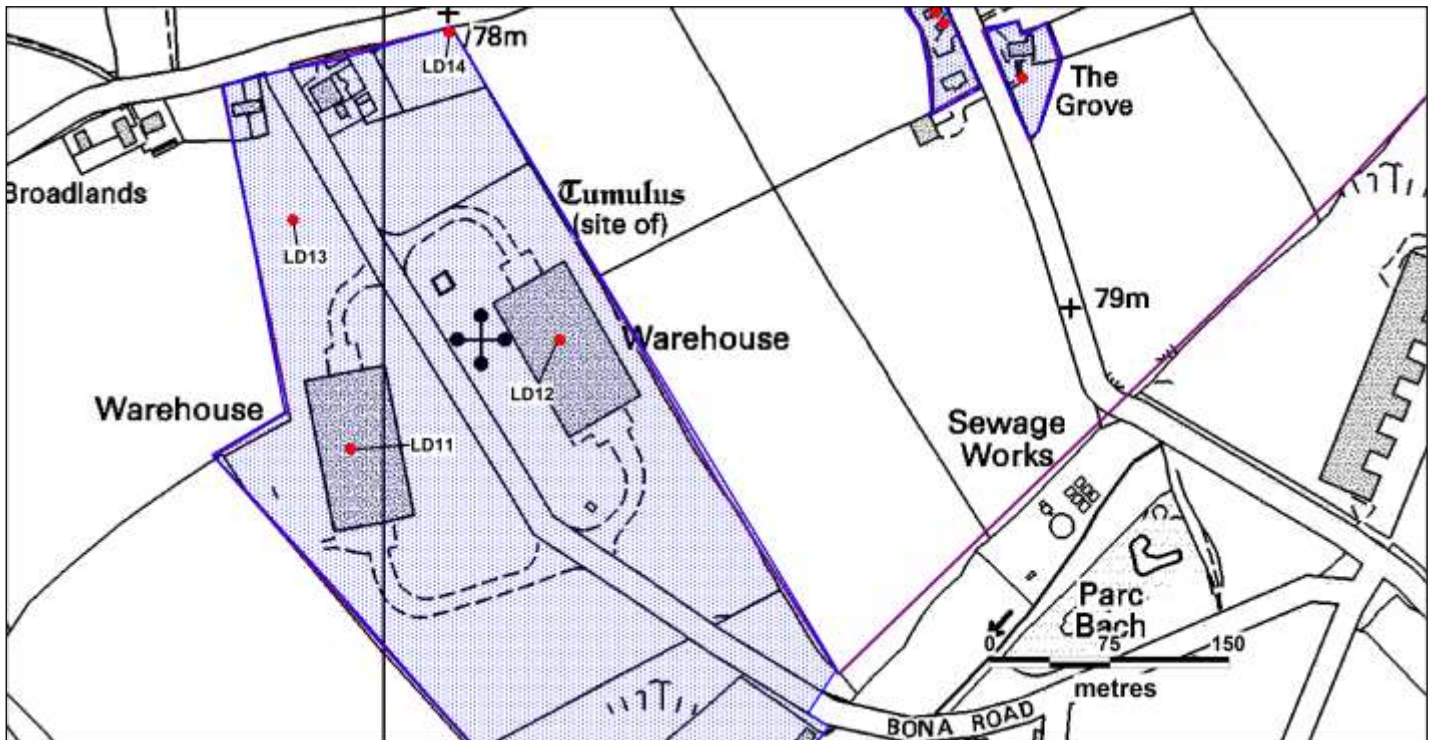


Figure 5: Surviving sites within the airfield sub-area 'Site B' (shown in blue)

ID No	LD12
PRN	04186s
Name	'L' TYPE HANGER
NGR	SS9511272271
On Air Ministry Plan	Yes
MoD Building No	40
In Use	Yes
Description	This curved military aircraft hangar produced in 1939 is to be found mainly at Storage and Maintenance units. The 'L' shed (Drawing No. 5163/39 & 10755/39) is a steel frame structure, which is then clad with steel sheeting and reinforced concrete and typically covered with a thin layer of concrete, earth and turf. Access to this site was not possible and therefore the condition is unknown.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04187s, 04188s, 04189s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 20: 'L' type hangar 40. View to the south

ID No	LD13
PRN	04187s
Name	'L' TYPE HANGER
NGR	SS9498572208
On Air Ministry Plan	Yes
MoD Building No	31
In Use	Yes
Description	This curved military aircraft hangar produced in 1939 is to be found mainly at Storage and Maintenance units. The 'L' shed (Drawing No. 5163/39 & 10755/39) is a steel frame structure, which is then clad with steel sheeting and reinforced concrete and typically covered with a thin layer of concrete, earth and turf. Access to this site was not possible and therefore the condition is unknown.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04186s, 04188s, 04189s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 21: 'L' type hangar 31. View to the south

ID No	LD14
PRN	04188s
Name	AIR RAID SHELTER
NGR	SS9492872340
On Air Ministry Plan	Yes
MoD Building No	48a
In Use	No
Description	A semi-sunken air raid shelter. Access to this site was not possible and therefore the condition is unknown.
Condition	Not known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04186s, 04187s, 04189s
Linked to airfield function?	No
Of technical/Structural interest?	Yes
Historical association?	No



Plate 22: Remains of the air raid shelter. View to the southwest

ID No	LD15
PRN	04189s
Name	FIREWATCHERS HUT
NGR	SS9504172467
On Air Ministry Plan	Yes
MoD Building No	49
In Use	Not known
Description	The brick remains of a Firewatchers hut with flat cast concrete roof. This building housed personnel whose job it was to keep a look out for small fires, such as burning enemy incendiaries, from various locations around the sub-site.
Condition	Damaged
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04186s, 04187s, 04188s
Linked to airfield function?	No
Of technical/Structural interest?	Yes
Historical association?	No



Plate 23: Remains of a Firewatchers hut

4.4.3 Site 'C'

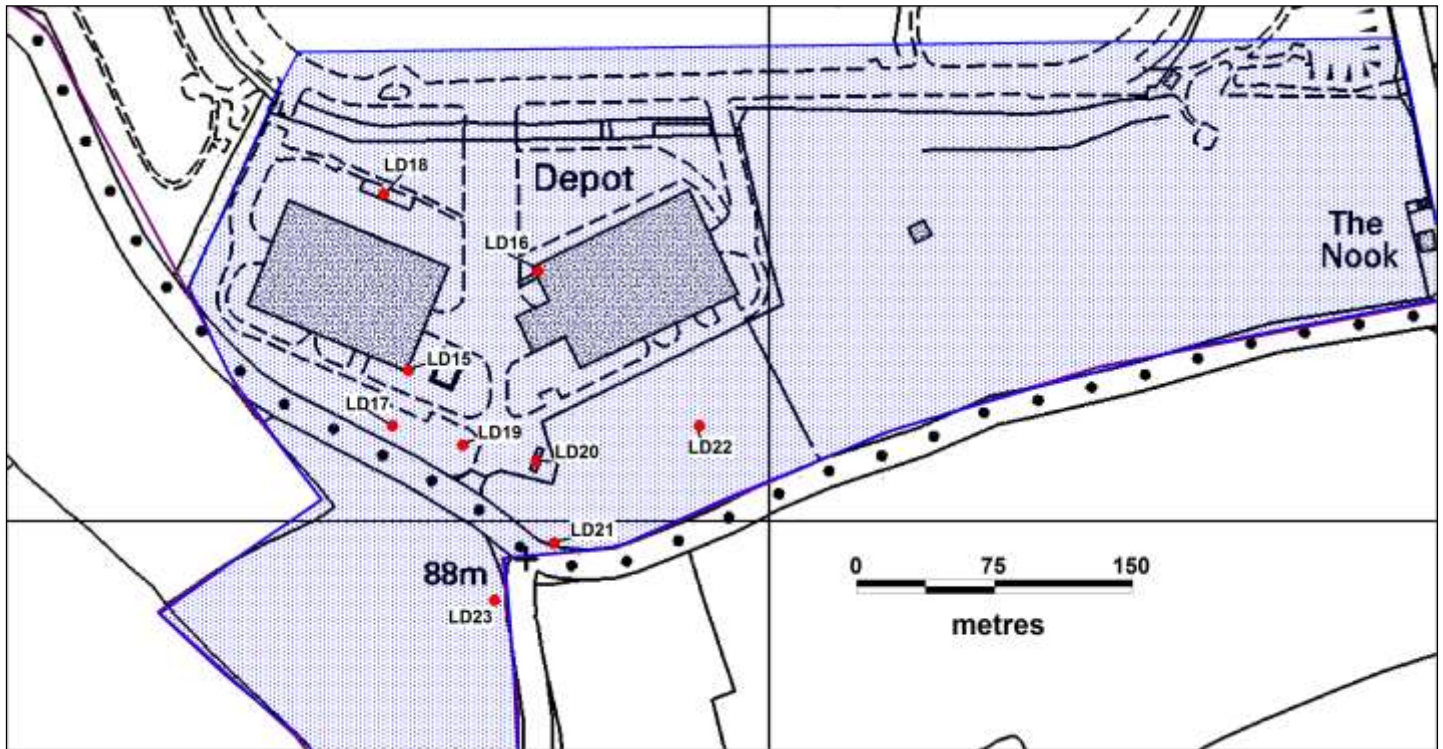


Figure 6: Surviving sites within the airfield sub-area 'Site C' (shown in blue)

ID No	LD16
PRN	04190s
Name	K-TYPE HANGER
NGR	SS9580671082
On Air Ministry Plan	Yes
MoD Building No	50
In Use	Yes
Description	Large permanent military aircraft hangar (drawing No.3084/39) with a curved steel frame and office annexes on each side. The end hangar doors were originally supported by external outriggers, which have been cut away, however, the steel flying buttresses that extend out from the roof of the hangar to the edge of the office roof, along either flank still survive. The hangars main function was storage and was a favourite on ASU stations, such as Llandow. The hangar is currently undergoing renovation and conversion by its new owner, the main front hangar doors have been left open and a new front panel with smaller portals added to fill the space. The southern office annex has had all its external window and doors removed, while the internal walls have been knocked through to make a single linear space. The annexe to the north is still intact.
Condition	Damaged
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building

Associated PRN sites 04191s, 04192s, 04193s, 04194s, 04195s, 04196s, 04197s, 04198s

Linked to airfield function? Yes

Of technical/Structural interest? Yes

Historical association? No



Plate 24: Front elevation of hangar 50. Note the addition of the new door portals



Plate 25: Rear elevation of the hangar



Plate 26: The internal curved steel framed superstructure is still intact



Plate 27: Steel flying buttresses extend out from the roof of the hangar along either flank

ID No	LD17
PRN	04191s
Name	K-TYPE HANGER
NGR	SS9587171133
On Air Ministry Plan	Yes
MoD Building No	51
In Use	No
Description	Large permanent military aircraft hangar (drawing No.3084/39) with a curved steel frame and office annexes on each side. The end hangar doors were originally supported by external outriggers, which have been cut away at the western end but survive at the east. Steel flying buttresses extend out from the roof of the hangar to the edge of the office roof along either flank. The hangar main function was storage and was a favourite on ASU stations, such as Llandow. The west facing elevation has been altered by the addition of a large prefabricated shelter that extends out from the hangar doors; these have also been fitted with an identical new front panel like hangar 50 (PRN 04190s). Both office annexes remain intact.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04190s, 04192s, 04193s, 04194s, 04195s, 04196s, 04197s, 04198s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 28: Prefabricated extension to the west facing elevation of hangar 51



Plate 29: East facing elevation of the hangar with the external outriggers in place



Plate 30: Interior of the hangar. View to the east

ID No	LD18
PRN	04192s
Name	AIR RAID SHELTER
NGR	SS9577971058
On Air Ministry Plan	Yes
MoD Building No	55a
In Use	Yes
Description	A semi-sunken air-raid shelter manufactured by the Stanton Ironworks Co Ltd in Derbyshire (better known for sewage pipes & manhole covers). This type of shelter could be built in any length but usually consisted of 18 sections of pre-cast concrete arched-shaped sides, bolted together to form a standard Air Ministry shelter for 50 men. The entrance is brick-lined with concrete steps. The emergency escape hatch at the rear is via an iron ladder. Stanton shelters were built by several different companies such as Geo, Wimpey, Mowlem and Tarmac.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04190s, 04191s, 04193s, 04194s, 04195s, 04196s, 04197s, 04198s
Linked to airfield function?	No
Of technical/Structural interest?	Yes
Historical association?	No



Plate 31: Entrance to shelter 55a



*Plate 32: Interior of the shelter.
Note the pre-cast rib construction*

ID No	LD19
PRN	04193s
Name	FLIGHT OFFICES
NGR	SS9579071174
On Air Ministry Plan	Yes
MoD Building No	58
In Use	Yes
Description	Remains of flight offices (drawing No.5740/37). All that survives is a linear concrete apron. The original building would have been a long wooden hut where the aircrews awaited the call to action and the day-to day administration tasks were carried out.
Condition	Near-destroyed
Condition rating	Destroyed
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04190s, 04191s, 04192s, 04194s, 04195s, 04196s, 04197s, 04198s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 31: Linear concrete platform is all that remains of the Flight Office

ID No	LD20
PRN	04194s
Name	TRANSFORMER KIOSK
NGR	SS9583471040
On Air Ministry Plan	Yes
MoD Building No	54
In Use	Yes
Description	Modern transformer kiosk located on the site of the original sub-site kiosk.
Condition	Restored
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04190s, 04191s, 04192s, 04193s, 04195s, 04196s, 04197s, 04198s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 32: Modern transformer kiosk stands were the original once stood

ID No	LD21
PRN	04195s
Name	WARDENS OFFICE
NGR	SS9585871036
On Air Ministry Plan	Yes
MoD Building No	54
In Use	Yes
Description	Remains of Wardens office. All that survives is a series of 3 rectilinear concrete aprons. The original building may have looked like the wardens office at Site 'A' (PRN 04176s). Sighted at the front of the building are the remains of a weighbridge. The cast iron weighing plate frame (approx. 2.5 x 6 metres overall) is set into the road and inscribed around the edge with the makes name 'E and A Ashworth Ltd. Dewsbury and London'.
Condition	Near Destroyed
Condition rating	Destroyed
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04190s, 04191s, 04192s, 04193s, 04194s, 04196s, 04197s, 04198s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 33: Remains of the Wardens Office. View to the east



Plate 34: Etched makers name around the cast iron weighing plate frame

ID No	LD22
PRN	04196s
Name	TYPE FW3/22 (VARIANT)
NGR	SS9587770982
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	A hexagonal brick pillbox with concrete embrasures set high in five of the sides and an entrance in the other. This Type 22 pillbox varies from standard design, as it has a low blast wall in front of the entrance and atop this a brick extension has been added extending out and covering over half of the blast wall canopy. The extension includes a revetted brick embrasure.
Condition	Damaged
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04190s, 04191s, 04192s, 04193s, 04194s, 04195s, 04197s, 04198s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 35: Type 22 (Variant) Pillbox (north facing elevation)



Plate 36: View of the extension, with loophole, above the blast wall (west facing elevation)

ID No	LD23
PRN	04197s
Name	MACHINE.GUN. RANGE 25 YDS
NGR	SS9598671053
On Air Ministry Plan	Yes
MoD Building No	57
In Use	No
Description	Little remains of this 25 yard Machine Gun Range except a series of vague earthworks in the field and a low brick and concrete rendered structure of unknown use. The original structure would have consisted of a firing position, were the weapons were discharged, these could either be a permanent brick built shelter or temporary, constructed from earth and sandbags. At the opposite end of the range stood a large brick stop butt flanked with earthen bungs, where the targets were located.
Condition	Destroyed
Condition rating	Very Bad
Period	Modern
Group Value	Yes
Form	Earthwork/Other structure
Associated PRN sites	04190s, 04191s, 04192s, 04193s, 04194s, 04195s, 04196s, 04198s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 37: Remains of the Machine Gun Range. View to the northwest



Plate 38: Unknown structure constructed from the remains of the 25 yard range

ID No	LD23
PRN	04198s
Name	FIRE WATCHERS HUT
NGR	SS9585470964 (approx)
On Air Ministry Plan	Yes
MoD Building No	59e
In Use	No
Description	Rectangular brick built structure with sloped roof divided into two rooms. The windows have been in-filled, though one of the original frames has been stored within one of the rooms. This structure is all that remains of a series of buildings that housed personnel whose job it was to keep a look out for small fires, such as burning enemy incendiaries, from various locations around the sub-site.
Condition	Near Destroyed
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04190s, 04191s, 04192s, 04193s, 04194s, 04195s, 04196s, 04197s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	Yes



Plate 39: Fire Watchers Hut. View to the southwest

4.4.4 Site 'D'

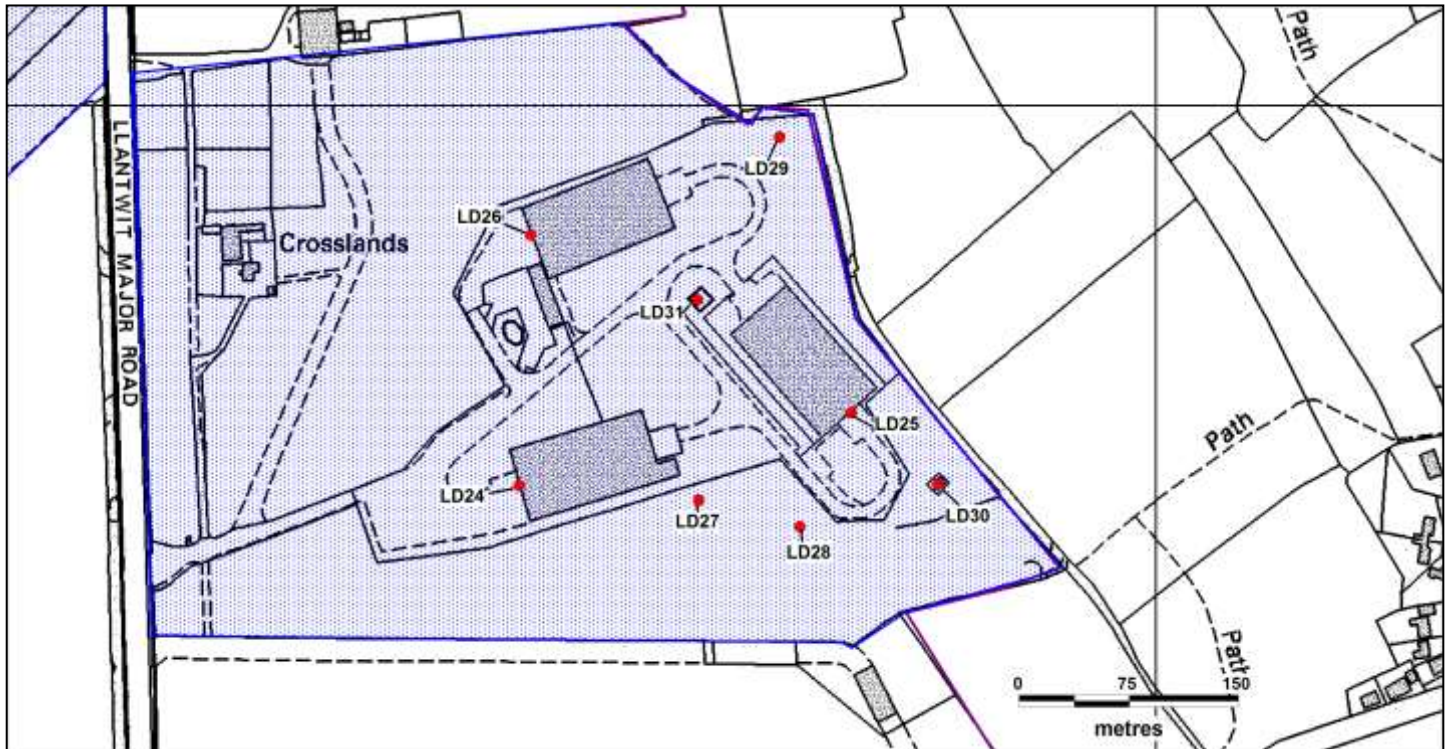


Figure 7: Surviving sites within the airfield sub-area 'Site D' (shown in blue)

ID No	LD24
PRN	04199s
Name	'L' TYPE HANGER
NGR	SS9656471728
On Air Ministry Plan	Yes
MoD Building No	62
In Use	Yes
Description	This curved military aircraft hangar produced in 1939 is to be found mainly at Storage and Maintenance units. The 'L' shed (Drawing No. 5163/39 & 10755/39) is a steel frame structure, which is then clad with steel sheeting and reinforced concrete and typically covered with a thin layer of concrete, earth and turf. The hangar has lost the northern of the two frontal annex buildings; this housed the boiler and was topped with a chimney stack. The southern still survives in a fair condition retaining its original windows and internal office partitions. Both the roof of this structure and the main hangar have been re-covered
Condition	Near Intact
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04200s, 04201s, 04202s, 04203s, 04204s, 04205s, 04206s
Linked to airfield function?	Yes

Of technical/Structural interest? Yes

Historical association? Yes



Plate 40: 'L' type hangar 62, main entrance (west facing elevation)



Plate 41: Front and side elevation of the surviving office annex.

ID No	LD25
PRN	04200s
Name	'L' TYPE HANGER
NGR	SS9678971789
On Air Ministry Plan	Yes
MoD Building No	61
In Use	Yes
Description	Curved military aircraft hangar produced in 1939 is to be found mainly at Storage and Maintenance units. The 'L' shed (Drawing No. 5163/39 & 10755/39) is a steel frame structure, which is then clad with steel sheeting and reinforced concrete and typically covered with a thin layer of concrete, earth and turf. The external and internal structure of the hangar has seen very little change. The eastern frontal annex building (this housed the boiler and was topped with a chimney stack) has been removed, however, the western, though losing some of the concrete render exposing the brickwork beneath, still survives in a good condition, retaining its original windows, doors, air bricks, external light switch casings and end brick revetment. The internal space all survives in equally good condition.
Condition	Near Intact
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04199s, 04201s, 04202s, 04203s, 04204s, 04205s, 04206s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	Yes



Plate 42: Front elevation of hangar 61. View to the northwest



Plate 43: Rear elevation of hangar 61. View to the southeast



Plate 44: Western office annexe with brick revetment

ID No	LD26
PRN	04201s
Name	'L' TYPE HANGER
NGR	SS9657271908
On Air Ministry Plan	Yes
MoD Building No	60
In Use	Yes
Description	This curved military aircraft hangar produced in 1939 is to be found mainly at Storage and Maintenance units. The 'L' shed (Drawing No. 5163/39 & 10755/39) is a steel frame structure, which is then clad with steel sheeting and reinforced concrete and typically covered with a thin layer of concrete, earth and turf. The hangar has undergone some alteration; a central brick structure with internal staircase and upper set of windows has been included between the two front and rear hangar doors. At the front of the building both the two frontal annex buildings have been demolished, the chimney stack that stood on top of the northern can still be seen as a silhouette against the side of the hangar, while a portacabin type office and additional new build, that tastefully replicates the curved outline of the hangar, have replaced the southern.
Condition	Near Intact
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04199s, 04200s, 04201s, 04202s, 04203s, 04204s, 04205s, 04206s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	Yes



Plate 45: Front elevation of hangar 60. View to the southeast



Plate 46: Rear elevation; note the addition of the central brick feature and upper set of windows to the hangar

ID No	LD27
PRN	04202s
Name	AIR RAID SHELTER
NGR	SS9668671731
On Air Ministry Plan	Yes
MoD Building No	70c
In Use	Yes
Description	A semi-sunken air-raid shelter manufactured by the Stanton Ironworks Co Ltd in Derbyshire (better known for sewage pipes & manhole covers). This type of shelter could be built in any length but usually consisted of 18 sections of pre-cast concrete arched-shaped sides, bolted together to form a standard Air Ministry shelter for 50 men. Two upstanding brick walls flank the entrance, which is brick-lined with concrete steps. The emergency escape hatch and three ribs have been exposed by the removal of the earthen bung at the eastern end. The exit hatch still has the fixing for the hatch cover. Stanton shelters were built by several different companies such as Geo, Wimpey, Mowlem and Tarmac.
Condition	Near Intact
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04199s, 04200s, 04201s, 04203s, 04204s, 04205s, 04206s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 47: 'Stanton' type air raid shelter. View to the northeast



Plate 48: The exposed emergency exit at the eastern end of the shelter



Plate 49: Interior of shelter 70c

ID No	LD28
PRN	04203s
Name	TYPE FW3/22 PILLBOX (VARIANT)
NGR	SS9675671716
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	A Type FW3/22 (variant) hexagonal brick built pillbox, with concrete loopholes in each of the six walls. The cast concrete roof has been reinforced by the addition of four courses of brickwork on top. The entrance too has been reinforced, being enclosed in a blast type structure. The enclosed entrance to the pillbox is raised above current ground level, suggesting that the pillbox may have been surrounded by either an earthen bung or sandbags to make it shell proof. The brick build structure has an internal 'Y' shaped anti-ricochet wall and concrete cast loopholes for fives light machine guns and one rifle. A Turnbull mount survives in the eastern most loophole, the wooden handle on the elevation screw is still in place. The Turnbull was used for mounting Vickers machine guns, though Brens, Lewis, water cooled Brownings and Hotchkiss machine gun could all be used. Each mount needed 4' 9" of space between the loophole and the back (baffle) wall to allow the gunner room to position himself behind the mount.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04199s, 04200s, 04201s, 04202s, 04204s, 04205s, 04206s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 50: East facing elevation of the pillbox with hangar 62 in the background



Plate 51: West facing elevation. Note the height of the reinforced entrance.



Plate 52: The internal 'Y' shaped anti-ricochet wall



Plate 53: Turnbull mount. Note the wooden handle on the elevation screw still in place.

ID No	LD29
PRN	04204s
Name	TYPE FW3/22 VARIANT PILLBOX
NGR	SS9674571978
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	A Type FW3/22 (variant) hexagonal brick built pillbox, with concrete loopholes in each of the six walls. The cast concrete roof has been reinforced by the addition of four courses of brickwork on top. The entrance too has been reinforced, being enclosed in a blast type structure. The enclosed entrance to the pillbox is raised above current ground level, suggesting that the pillbox may have been surrounded by either an earthen bung or sandbags to make it shell proof. The interior of this structure was not visited during the course of this project, as it was heavily overgrown with vegetation. The exterior of this pillbox is identical to PRN 04203s, which lies to the south.
Condition	Damaged
Condition rating	Not recorded
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04199s, 04200s, 04201s, 04202s, 04203s, 04205s, 04206s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 54: South facing elevation of the pillbox



Plate 55: West facing elevation of the pillbox

ID No	LD30
PRN	04205s
Name	SUB-STATION 'TYPE B' / STANDBY SET HOUSE
NGR	SS9684771738
On Air Ministry Plan	Yes
MoD Building No	66
In Use	Unknown
Description	Substantial rectangular Standby generator house (drawing No. 10599/38) is enclosed in a thick precast concrete blast wall. The building access is via a large cast-iron sliding door. The exterior of the building is in a good condition, with a small amount of damage to the roof and top of the blast wall caused by vegetation. Access to the interior could not be obtained. These specially designed buildings housed large diesel generators that drove large dynamos; these together were the 'set'. They were on standby to supply essential electrical services if the mains feed to the station were interrupted or broken.
Condition	Near Intact
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04199s, 04200s, 04201s, 04202s, 04203s, 04204s, 04206s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 56: West facing elevation of the Stand-by Set House



Plate 57: Large cast-iron plates form the sliding door.

ID No	LD31
PRN	04206s
Name	TRANSFORMER KIOSK
NGR	SS9664171850
On Air Ministry Plan	Yes
MoD Building No	65
In Use	Yes
Description	An un-rendered ashlar block enclosure, with blast wall protection to the entrance, housed the electrical transformer and switchgear. Step-up transformers were sited around the airfield and dispersed sites to maintain a constant voltage. This site has been converted and in use by the sites current owners.
Condition	Converted
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04199s, 04200s, 04201s, 04202s, 04203s, 04204s, 04205s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 58: Modern wall surrounding the transformer kiosk

4.4.5 Main Site

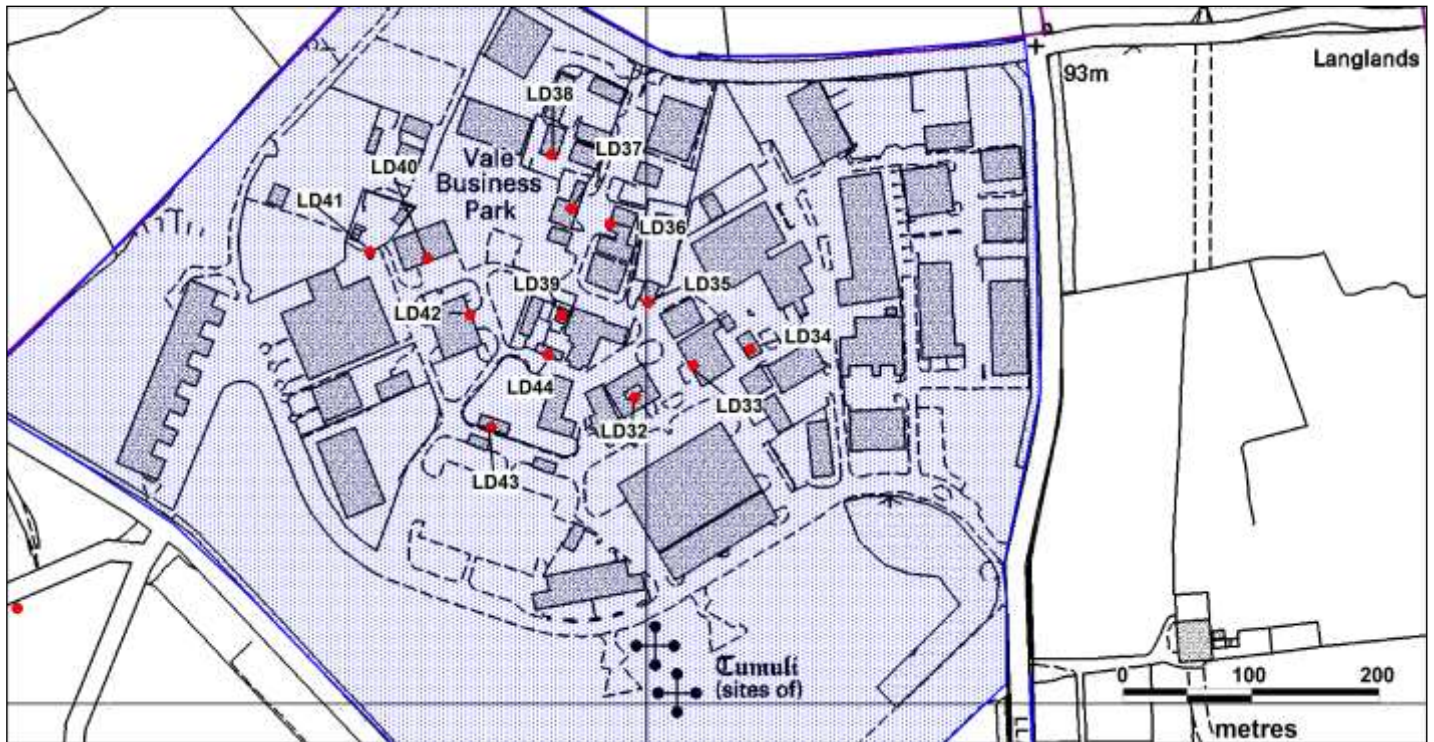


Figure 8: Surviving sites within the airfield sub-area 'Main Site' (shown in blue)

ID No	LD32
PRN	04207s
Name	MAIN WORKSHOPS
NGR	SS9597972232
On Air Ministry Plan	Yes
MoD Building No	8
In Use	Yes
Description	Main Workshop building (drawing No. 2048/34), this common type of structure can be found on most airfields. The building was originally designed to house an engine repair shop on the left and an airframe repair shop to the right. In the centre would be welding shop, machine shop and blacksmiths. The workshop is still in a good condition, though it has undergone some alterations, both side workshops have had the original roof retiled. All the window surrounds are original, as too are the front and rear bay access doors. This building unknowingly retains a link to its past use, as this type of structure was commonly used as a Mechanical Transport servicing workshop and now is occupied by a garage.
Condition	Near Intact
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04208s, 04209s, 04210s, 04211s, 04212s, 04213s, 04214s, 04215s, 04216s, 04217s, 04218s, 04219s

Linked to airfield function? Yes

Of technical/Structural interest? No

Historical association? No



Plate 59: Front elevation of the Main Workshop building



Plate 60: Rear elevation of the Workshop. View to the southeast

ID No	LD33
PRN	04208s
Name	CANTEEN
NGR	SS9603272259
On Air Ministry Plan	Yes
MoD Building No	9
In Use	Yes
Description	Canteen Block (drawing No. 2876/37) associated with MUs. This building, originally 'E' shaped in plan, can usually be recognised by the six windows on either side of the front door, however, building LD33 has undergone a series of major alteration, and only five of the original twelve survive. Three of the windows in the southern end of the building have been bricked up, with the most southern having been bricked up before being knocked through and elongated to make room for a new doorway (a flight of concrete steps was also added). At the northern end only two still survive, two being bricked up and the two converted into doorways. The main central doorway has been removed and replaced with modern steel roller shutter variety. Semi circular decorative columns, the fittings of which can still be seen on the overhead door lintel, would have originally flanked the central doorway. A decorative band of regular repeated colour brickwork runs around the top of the building, below the roof. To the rear of the building a new suite of buildings have been added, while a concrete apron extends out from the front.
Condition	Damaged/Converted
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04209s, 04210s, 04211s, 04212s, 04213s, 04214s, 04215s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 61: Front elevation of the Canteen Block. View to the north



Plate 62: Image showing some of the phasing of the structure. Note the end window has been bricked up before being knocked through and elongated to make room for a new doorway

ID No	LD34
PRN	04209s
Name	STORE SHEDS A.M.W.D
NGR	SS9607872266
On Air Ministry Plan	No
MoD Building No	-
In Use	Yes
Description	Two store sheds constructed from prefabricated corrugated sheeting, with internal steel trusses carry asbestos cement roof panels. Three regular spaced rectangular windows pierce the southwest facing elevation of the structures; the northern of the two sheds has had them in filled. The front elevation contains a single window and large central door.
Condition	Near Intact
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04210s, 04211s, 04212s, 04213s, 04214s, 04215s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 63: The two prefabricated storage sheds. View to the north

ID No	LD35
PRN	04210s
Name	GAS DECONTAMINATION CENTRE TYPE 'F'
NGR	SS9599872311
On Air Ministry Plan	Yes
MoD Building No	20
In Use	Yes
Description	Gas Decontamination Centre Type 'F' (drawing No. 7075/39). The use of gas in war was outlawed by the Geneva Gas Protocol of 1925 (both Britain and Germany were signatories), but not its production and development. As a result the British Government decided to develop gas weapons and methods of protection against their use. This included the construction of specialised buildings, so that in the event of such an attack, personnel who became gas casualties could receive first-aid treatment and get decontaminated. The decontamination building was designed to deal with most types of gasses developed during the First World War: lachrymatory agents; respiratory agents and blister agents. The procedure was to get out of all contaminated clothing, dispose of it, wash thoroughly, and change into fresh clothing as soon as possible. If this could be achieved within 20 minutes of the initial contamination, serious injury could be avoided. The Gas Decontamination building is still in a good condition, with a small amount of alteration to the main entrance. This has been replaced and a modern UPVC window and doorway inserted into the space. This entrance would be used by the un-wounded personnel and led to an undressing area where all clothing was discarded out of the building through metal letter boxes. The interior internal walls have all been removed to form an open plan office.
Condition	Converted
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04211s, 04212s, 04213s, 04214s, 04215s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 64: Front elevation of the Gas Decontamination Centre. View to the north

ID No	LD36
PRN	04211s
Name	WARDENS OFFICE & GUARDROOM
NGR	SS9597072374
On Air Ministry Plan	Yes
MoD Building No	18
In Use	No
Description	An Expansion Period designed building (drawing No.2060/37), brick built with a colonnade of four circular columns without capitals at the front and an extension with a single lancet window to the side. A new annex has been added to the rear of the extension. Sets of two windows flank a central entrance; all these have been replaced with modern UPVC replacements.
Condition	Damaged
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04212s, 04213s, 04214s, 04215s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 65: Front elevation of the Wardens Office. View to the east



Plate 66: View along the front colonnade. Note the new UPVC windows

ID No	LD37
PRN	04212s
Name	STATION OFFICE
NGR	SS9594672382
On Air Ministry Plan	Yes
MoD Building No	18
In Use	No
Description	An Expansion Period designed Station Office (drawing No.2878/37). A series of seven windows, five rectangular and two lancets are located either side of a large central porch, supported by semi-circular columns, that house a double door entrance. Three annexes extend out from the rear.
Condition	Damaged
Condition rating	Good
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04213s, 04214s, 04215s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 67: Front elevation of the Station Office. View to the northwest

ID No	LD38
PRN	04213s
Name	BARRACK HUT
NGR	SS9592972422
On Air Ministry Plan	Yes
MoD Building No	29c
In Use	Yes
Description	Two Air Ministry Standard type huts conjoined by a modern addition to form a single building. These buildings have been re-clad and are almost unrecognisable. The asbestos cement roof panels are original. The interior has been much converted, with the sidewalls of each building knocked through in places to form larger spaces.
Condition	Converted
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04212s, 04214s, 04215s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 68: The eastern of the two re-clad Barrack Huts

ID No	LD39
PRN	04214s
Name	WATER TOWER & WORK SERVICES
NGR	SS9594272306
On Air Ministry Plan	Yes
MoD Building No	-
In Use	Unknown
Description	Large Expansion Period Water Tower (drawing No.1033-7/37) surrounded by a group of work service buildings. Unable to obtain access to the Water Tower and associated buildings during the course of this project, therefore the condition of the structures is not recorded.
Condition	Damaged
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04212s, 04213s, 04215s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 69: Water Tower and associated buildings. View to the northeast



Plate 70: Expansion Period designed Water Tower (north facing elevation)

ID No	LD40
PRN	04215s
Name	MECHANICAL TRANSPORT SHED, OFFICE & YARD TYPE 'A.S.U'
NGR	SS95983272339
On Air Ministry Plan	Yes
MoD Building No	4
In Use	Yes
Description	This MT shed, yard and office (drawing No.2782/34) is very much the standard Expansion Period design. The site is made up of two four bay sheds that originally faced it each other across a central yard, this open space is now enclosed within a large prefabricated building. The bays in the eastern buildings have all been bricked up, though the front entrances are still open. The western building houses the office complex, which is still in use. All of these features are currently in a good condition.
Condition	Converted
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04212s, 04213s, 04214s, 04216s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 71: Interior of the building that now covers the MT yard. Note the surviving vehicle bays



Plate 72: The front elevation of the eastern most MT shed. View to the north.



Plate 73: The western MT shed. Note the office building on the right

ID No	LD41
PRN	04216s
Name	COMPRESSOR HOUSE
NGR	SS9578372345
On Air Ministry Plan	Yes
MoD Building No	23
In Use	Yes
Description	Brick compressor house (drawing No. 5044/37). The building has undergone a number of alterations, the windows of the building have been bricked up and the main doors replaced. The enclosure that is attached to the main structure and housed the compressor equipment still survives. The building is still in use.
Condition	Converted
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04212s, 04213s, 04214s, 04215s, 04217s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 74: The main compressor building



Plate 75: The rear elevation of the compressor house. Note the bricked up window

ID No	LD42
PRN	04217s
Name	MAIN STORES
NGR	SS9585972307
On Air Ministry Plan	Yes
MoD Building No	5
In Use	Yes
Description	Main Stores (drawing No. 840/30). Standard design brick built store building. The main building elevation comprises four large doors, all of which have been converted to a steel roller shutter type. Two annexes extend off from the main building; down each of these is a row of equally spaced rectangular windows, all of which are original.
Condition	Converted
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04212s, 04213s, 04214s, 04215s, 04216s, 04218s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 76: Northern end of the Main Stores.



Plate 77: Original windows down the southern annexe (south facing elevation)

ID No	LD43
PRN	04218s
Name	ARTICULATED TRAILER SHED (2 BAY)
NGR	SS9586072204
On Air Ministry Plan	Yes
MoD Building No	10
In Use	Yes
Description	Rectangular brick building divided into two 10ft (3m) garage type bays. The walls support a reinforced concrete roof. The northern bay has been converted into a shop premises with the bay openings being bricked up and a set of windows and door, to the front and rear, added. Concrete hurrers survive at the front and rear of the building.
Condition	Converted
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04212s, 04213s, 04214s, 04215s, 04216s, 04217s, 04219s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 78: Front elevation of the shed. View to the east



Plate 79: Rear elevation of the shed. View to the west



Plate 80: Concrete hurters in front of the bay entrances

ID No	LD44
PRN	04219s
Name	WORK SERVICES BUILDING
NGR	SS9592572265
On Air Ministry Plan	Yes
MoD Building No	6
In Use	Yes
Description	Rectangular brick building with extensions to both sides and a forward sloping concrete asbestos sheet roof. The extensions, which are stepped back from the main building, have large entranceways. Those to the west still survive and have wooden doors, while the eastern extension has been converted into an office.
Condition	Converted
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04207s, 04208s, 04209s, 04210s, 04211s, 04212s, 04213s, 04214s, 04215s, 04216s, 04217s, 04218s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 81: Eastern end of building LD44



Plate 82: Western end of building LD44. Note the eastern extension has been converted into an office.

4.4.6 Battle Headquarters Site

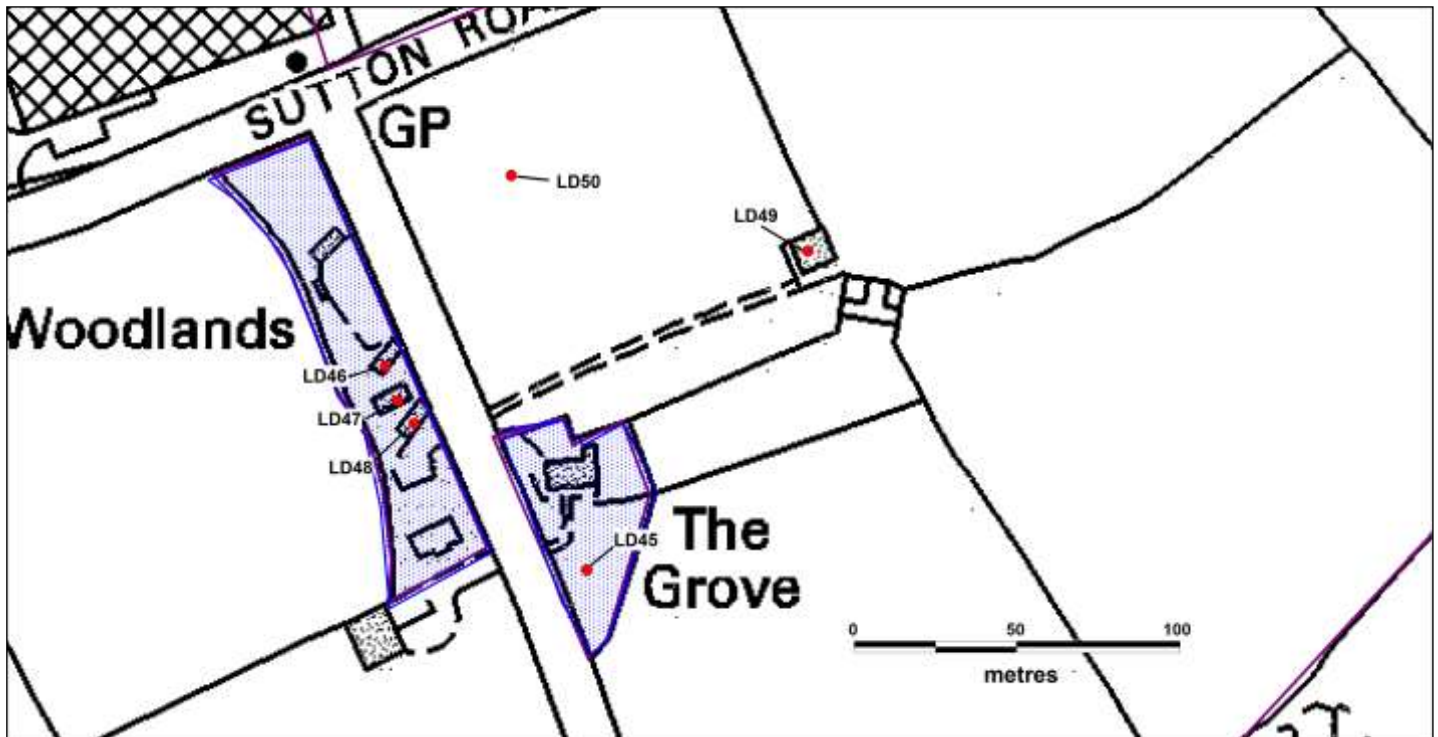


Figure 9: Surviving sites within the airfield sub-area 'BHQ Site' (shown in blue)

ID No	LD45
PRN	04220s
Name	BATTLE HEADQUARTERS
NGR	SS9511672421
On Air Ministry Plan	Yes
MoD Building No	101
In Use	No
Description	Rectilinear crop mark 16ft (4.8m) x 8ft (2.4m) with evidence of buried brickwork. These may possibly be the remains of the BHQ.
Condition	Submerged
Condition rating	Uncertain
Period	Modern
Group Value	Yes
Form	Cropmark
Associated PRN sites	04221s, 04222s, 04223s, 04224s, 04225s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 83: Rectilinear crop mark which may possibly be the location of the BHQ

ID No	LD46
PRN	04222s
Name	BHQ DEFENCE HUT
NGR	SS9534172487
On Air Ministry Plan	Yes
MoD Building No	107
In Use	No
Description	Remains of Turners curved asbestos hutting. These buildings looked like the Nissen type of huts, but were without any internal framework.
Condition	Near Destroyed
Condition rating	Very Bad
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04221s, 04223s 04224s 04225s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 84: Remains of one of the Turner curved asbestos hutting

ID No	LD47
PRN	04223s
Name	BHQ DEFENCE HUT/ LATRINE
NGR	SS9534572476
On Air Ministry Plan	Yes
MoD Building No	108
In Use	No
Description	Remains of a small detached brick-built chemical closet type latrine that was associated with the BHQ defence site. This building is constructed in temporary brick and would originally have had a flat reinforced concrete roof, which is now removed.
Condition	Near Destroyed
Condition rating	Very Bad
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04221s, 04222s 04224s 04225s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 85: Remains of the latrine block

ID No	LD48
PRN	04224s
Name	BHQ DEFENCE HUT
NGR	SS9534972468
On Air Ministry Plan	Yes
MoD Building No	109
In Use	Yes
Description	Converted Turners curved asbestos hutting. These buildings looked like the Nissen type of huts, but were without any internal framework. This is the most complete of the buildings on the BHQ site, though; it is in a poor state of preservation. The interior is divided into two separate rooms. The main room has a non-standard fireplace and range and a chimney stack on the exterior. Some of the internal sheets in the main room have been lost, while a large amount has been removed from the anti-room beyond. The site is also heavily overgrown with vegetation.
Condition	Near Destroyed
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04221s, 04222s 04223s 04225s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 86: Front elevation of the Turner type hut LD48



Plate 87: Rear of LD48

ID No	LD49
PRN	04225s
Name	UNKNOWN STRUCTURE
NGR	SS9547072522
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	Two sections of upstanding brickwork are all that remains of this unknown structure. This building is not on the Air Ministry plans.
Condition	Near Destroyed
Condition rating	Very Bad
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04221s, 04222s 04223s 04224s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 88: Two upstanding brick walls are all that remains of this unknown structure.

ID No	LD50
PRN	04225s
Name	UNKNOWN STRUCTURE
NGR	SS9511672421
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	Remains of a semi-sunken structure of unknown use. This building is not on the Air Ministry plans. This site is heavily overgrown and its actual layout could not be viewed.
Condition	Not known
Condition rating	Not recorded
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04221s, 04222s 04223s 04224s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 89: Looking down upon the unknown structure

4.4.7 West Site

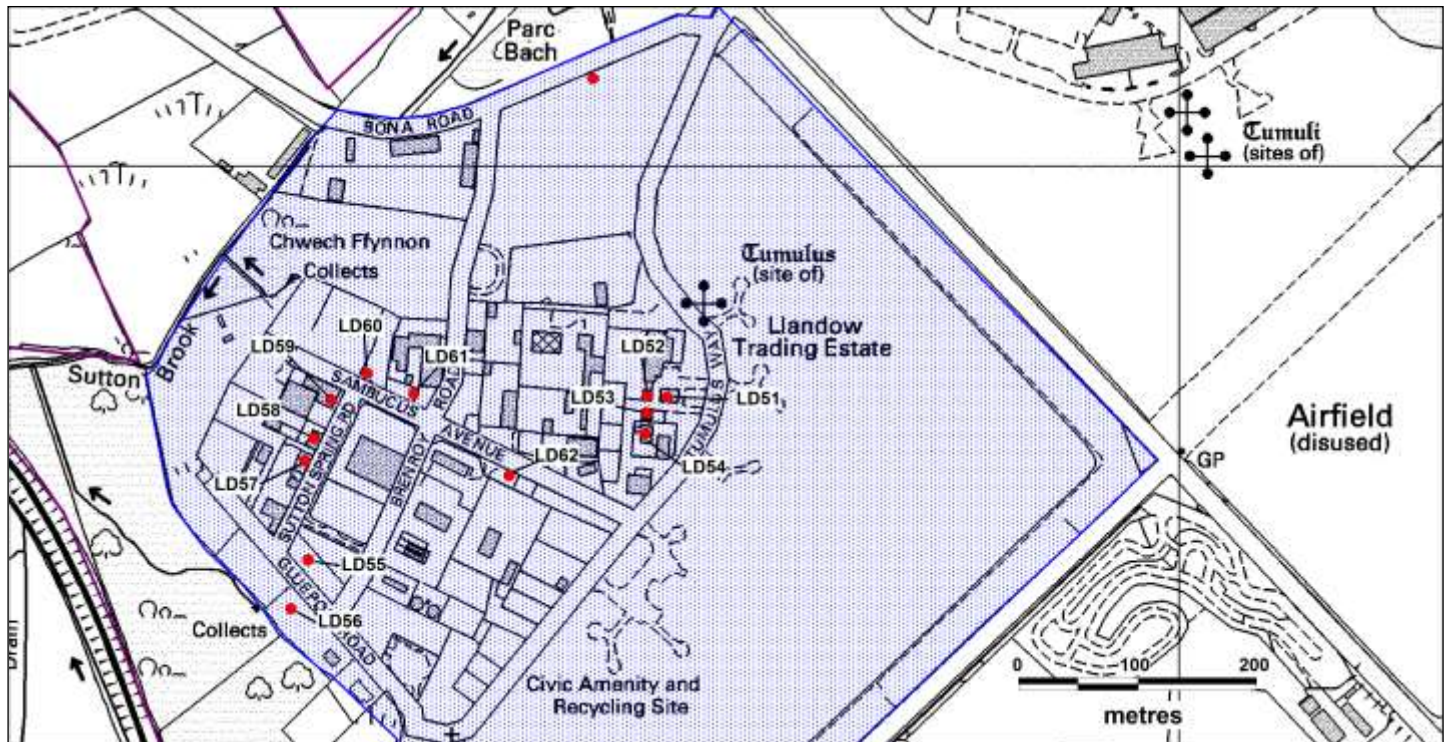


Figure 10: Surviving sites within the airfield sub-area 'West Site' (shown in blue)

ID No	LD51
PRN	04226s
Name	WATCH OFFICE WITH MET SECTION
NGR	SS9557871800
On Air Ministry Plan	Yes
MoD Building No	37
In Use	Yes
Description	Two-storey temporary brick and timber watch office (drawing No. 518/40) based on the all-timber 2423/39. The front elevation of the structure consists of a ground floor with three large front windows separated by square piers that support the first floor balcony. A series of three smaller windows on the first floor mirrors those below. Watch offices were mainly constructed in 9-inch brick, except for the front elevation, which is of 13.5-inch brick. The flat roof and first floor were built of "Seigwart" type hollow concrete beams. The building was laid out with following rooms on the ground floor, meteorological office with teleprinter room, latrines, duty pilot's rest room, switch room, and watch office. While on the first floor, signals office, controller's rest room, control room with telephone exchange. The tower is in an excellent set of preservation maintaining all of its original external features.
Condition	Near Intact
Condition rating	Good
Period	Modern
Group Value	Yes

Form Other structure

Associated PRN sites 04227s 04228s, 04229s, 04230s, 04231s, 04232s, 04233s, 04234s, 04235, 04236s, 04237s

Linked to airfield function? Yes

Of technical/Structural interest? Yes

Historical association? No



Plate 90: Watch Office at RAF Llandow. View to the southwest



Plate 91; South elevation of the building

ID No	LD52
PRN	04227s
Name	FLOODLIGHT TRAILER SHED
NGR	SS9556171818
On Air Ministry Plan	Yes
MoD Building No	40
In Use	Yes
Description	This cement rendered building (drawing No.1296/40) has undergone various alterations. The timber double doors that would have stood at either end of the bay have been removed; the side nearest to the runway having been in filled with cement blocks. While the rear has been re-clad in modern corrugated sheeting covering the door. Down the south facing side, between each of the external piers is a rectangular window. The roof consists of steel trusses originally supporting corrugated asbestos cement sheeting, which has been replaced by modern steel corrugated sheets. No permanent electric airfield lighting was installed at Llandow so runway electric lighting took the form of a portable system. Although it is unclear exactly what type was used, the following were in universal use during the War years: A portable floodlight could be parked on a special hardstanding on the left-hand side of the runway in use and plugged into electrical sockets. The equipment essentially consisted of a box containing the light assembly supported on a girder frame containing a tricycle undercarriage. The output of the lamp was one million candles. Alternatively, on the same hardstanding, a self-powered Chance Light could have been used instead, which consisted of a lighthouse fixed to a four-wheeled trailer. Whatever system was in operation the equipment when not in use was stored in the floodlight tractor and trailer shed.
Condition	Damaged
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04228s, 04229s, 04230s, 04231s, 04232s, 04233s, 04234s, 04235, 04236s, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 92: The main entrance bay for the floodlight trailer shed. View to the west



Plate 93: The rear elevation of the building. View to the east.

ID No	LD53
PRN	04228s
Name	FIRE TENDER SHELTER
NGR	SS9554871796
On Air Ministry Plan	Yes
MoD Building No	38
In Use	Yes
Description	The Fire Tender Shed housed the airfields fire engine and is similar in construction to the Floodlight trailer shed (PRN04227s), which is nearby. However, this building is not the standard 12563/40, but is 10552/40, which has a lean-to extension with a bay door on its southern side. This cement rendered building which external piers shows little signs of alteration; it has lost its original main wooden bay doors, these having been replaced by the steel roller shutter variety, but is in a good state of preservation.
Condition	Near intact
Condition rating	Fair
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04227s, 04229s, 04230s, 04231s, 04232s, 04233s, 04234s, 04235, 04236s, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 94: The airfield Fire Tender shelter (west facing elevation)



Plate 95: The airfield Fire Tender shed. View to the west

ID No	LD54
PRN	04229s
Name	SQUADRON OFFICE
NGR	SS9555271773
On Air Ministry Plan	Yes
MoD Building No	15
In Use	Yes
Description	Remains of the Squadron Office. Unable to obtain access during the course of this project, therefore the condition of the structures is not recorded.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04227s 04228s, 04230s, 04231s, 04232s, 04233s, 04234s, 04235, 04236s, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 96: Front elevation of the Squadron Office. View to the north



Plate 97: Side elevation of building PRN 04229s

ID No	LD55
PRN	04230s
Name	SPEECH BROADCASTING BUILDING
NGR	SS9526571681
On Air Ministry Plan	Yes
MoD Building No	70
In Use	Yes
Description	This solid brick built structure with a reinforced concrete roof (drawing No. 5648/40) housed the Speech broadcasting system. This system was first introduced on RAF stations in the early part of 1940 its purpose was to enable operational instructions to be passed to personnel stationed out on the aircraft dispersal points and those on the main technical area. The main apparatus in the broadcasting building comprised of an amplifier rack located in a temperature controlled room. Unable to obtain access during the course of this project, therefore the condition of the structures is not recorded.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04227s 04228s, 04229s, 04231s, 04232s, 04233s, 04234s, 04235, 04236s, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 98: Rear elevation of the Speech Broadcasting building.

ID No	LD56
PRN	04231s
Name	TRANSFORMER (SUB STATION)
NGR	SS9526571610
On Air Ministry Plan	Yes
MoD Building No	68
In Use	Yes
Description	Remains of the intake sub-station (drawing No. 12648/40). This brick built structure with reinforced concrete roof was sited on the technical area and positioned with reference to the route of the electrical supply company's incoming cable. The interior fittings including the high voltage Air Ministry supplied switchgear. Blast walls, to provide some protection, would have surrounded the building. Unable to obtain access during the course of this project, therefore the condition of the structures is not recorded. However, it is visually obvious that the building has undergone a degree of alteration/conversion with the addition of a prefabricated office type building on top of the sub station's roof.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04227s 04228s, 04229s, 04230s, 04232s, 04233s, 04234s, 04235, 04236s, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	Yes
Historical association?	No



Plate 99: Remain of intake sub-station. Note the later addition to the building.

ID No	LD57
PRN	04232s
Name	LECTURE BLOCK
NGR	SS9526371749
On Air Ministry Plan	Yes
MoD Building No	27
In Use	No
Description	Heavily re-clad and altered Lecture Block. The building is almost unrecognisable. Unable to obtain access during the course of this project, therefore the condition of the structures is not recorded.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s 04226s, 04227s 04228s, 04229s, 04230s, 04231s, 04233s, 04234s, 04235, 04236s, 04237s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 100: Unrecognisable Lecture Block

ID No	LD58
PRN	04233s
Name	C. G. I. C INTELLIGENCE BLOCK
NGR	SS9511672421
On Air Ministry Plan	Yes
MoD Building No	72
In Use	Yes
Description	Heavily re-clad and altered Intelligence block. The building is almost unrecognisable. Unable to obtain access during the course of this project, therefore the condition of the structures is not recorded.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04227s 04228s, 04229s, 04230s, 04231s, 04232s, 04234s, 04235, 04236s, 04237s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 101: The heavily re-clad Intelligence Block

ID No	LD59
PRN	04234s
Name	HAWARDEN & HUNT TRAINER
NGR	SS9511672421
On Air Ministry Plan	Yes
MoD Building No	61
In Use	Yes
Description	Very little remains of the Hunt Training building (FCW 4462). The building has been sandwiched between two later prefabricated buildings. Originally this classroom would have been used to teach the aircrews aircraft recognition at different ranges and altitudes. The building is in a poor way, with the rear gable end having been removed and the north facing wall demolished, so that it and its neighbouring structure can form a single unit.
Condition	Near Destroyed
Condition rating	Very bad
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04227s 04228s, 04229s, 04230s, 04231s, 04232s, 04233s, 04235s, 04236s, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	No
Historical association?	No



Plate 102: All that remains of the Hawarden and Hunt Trainer is main gable end (east facing)

ID No	LD60
PRN	04235s
Name	M. T. PETROL INSTALLATION
NGR	SS9511672421
On Air Ministry Plan	Yes
MoD Building No	36
In Use	No
Description	Small brick built structure that housed the petrol pumping gear. The building has had its original window in-filled with concrete blocks, while the original reinforced concrete roof has gone and been replaced by a modern steel corrugated sheet. In front of the structure is the tank inspection hatches, it is not known whether the petrol tanks are extant or not. To the northern side of the feature a section of the piping still survives along with the shut off valve.
Condition	Near Destroyed
Condition rating	Very bad
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04226s, 04227s 04228s, 04229s, 04230s, 04231s, 04232s, 04233s, 04234s, 04236s, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	No
Historical association?	No



Plate 103: Remains of the MT Petrol Installation structure

ID No	LD61
PRN	04236s
Name	TRANSFORMER (SUB-STATION)
NGR	SS9511672421
On Air Ministry Plan	Yes
MoD Building No	66
In Use	Yes
Description	Remains of a transformer sub-station (drawing No. 12648/40). This brick built structure with reinforced concrete roof was sited on the technical area (the main load center) and positioned with reference to the route of the electrical supply company's incoming cable. The interior fittings including the high voltage Air Ministry supplied switchgear. Blast walls, to provide some protection, surrounded the building. Unable to obtain access during the course of this project, therefore the condition of the structures is not recorded.
Condition	Not Known
Condition rating	Not Recorded
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04226s, 04227s 04228s, 04229s, 04230s, 04231s, 04232s, 04233s, 04234s, 04235, 04237s
Linked to airfield function?	Yes
Of technical/Structural interest?	No
Historical association?	No



Plate 104: Remains of a transformer sub-station. View to the North

ID No	LD62
PRN	04237s
Name	SENTRY BOX
NGR	SS9511672421
On Air Ministry Plan	Yes
MoD Building No	78
In Use	No
Description	Remains of a sentry box.
Condition	Near Destroyed
Condition rating	Very bad
Period	Modern
Group Value	Yes
Form	Building
Associated PRN sites	04226s, 04227s 04228s, 04229s, 04230s, 04231s, 04232s, 04233s, 04234s, 04235, 04236s
Linked to airfield function?	Yes
Of technical/Structural interest?	No
Historical association?	No



Plate 105: Very little remains of the sentry box

4.4.7 Taxi lights

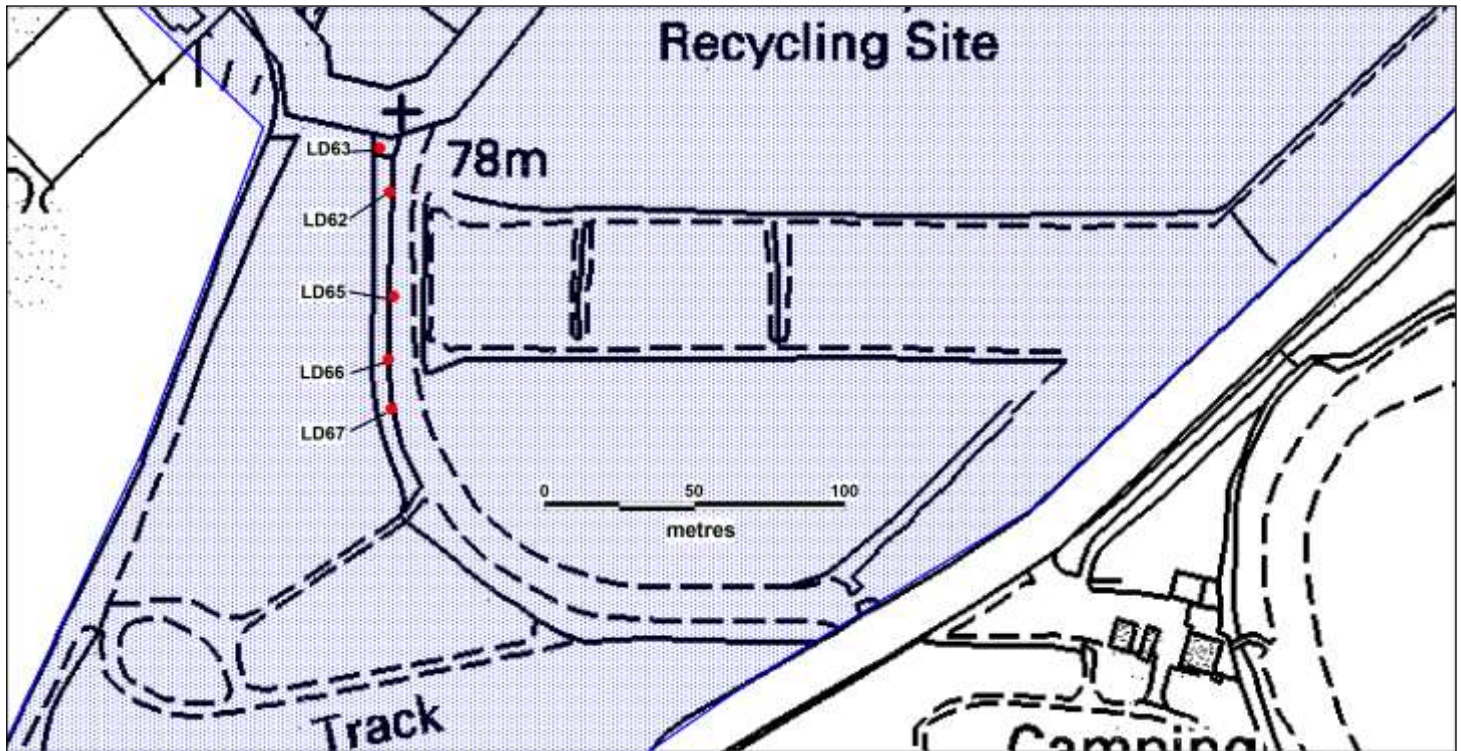


Figure 11: Surviving stretch of taxiway lighting

ID No	LD63
PRN	04238s
Name	TAXIWAY EDGE LIGHTS
NGR	SS9538171512
On Air Ministry Plan	No
MoD Building No	-
In Use	No
Description	One of a series of taxiway edge lights, surviving along the southwestern taxiway on 'West Site'. The C3 Compact fitting lights, built by The General Electrical Co. Ltd, London, are set within circular cast iron housing set with concrete. These marked the edge of the taxiway.
Condition	Damaged
Condition rating	Poor
Period	Modern
Group Value	Yes
Form	Other structure
Associated PRN sites	04239s, 04240s, 04241s, 04242s
Linked to airfield function?	No
Of technical/Structural interest?	No
Historical association?	No



Plate 106: One of the surviving taxiway edge lights (PRN 04238s)

ID No.	PRN	NGR	Condition	Image
LD64	04239s	SS9538571497	Damaged	
LD65	04240s	SS95538671462	Near Destroyed	
LD66	04241s	SS9538471442	Damaged	
LD67	04242s	SS9538571423	Damaged	

Table 1: Location and condition of the remaining taxiway lights