

**Archival Recording  
Tweed Valley Hospital Drystone Walls  
771 Cudgen Rd, Cudgen NSW 2487**

Local Government Area Tweed Shire

Prepared for TSA Management

The Proponent NSW Health Infrastructure

Prepared by Niche Environment and Heritage | 23 September 2019





## Document control

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4898	TSA Management	Joshua Madden	Tweed Shire Council

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## 1. Introduction

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Niche Environment and Heritage (Niche) was commissioned by TSA Management (TSA) on behalf of NSW Health Infrastructure to prepare this Archival record of three drystone walls in accordance with Schedule 3 Part A Condition 13 of the Development Consent for the Concept Plan and Stage 1 Early and Enabling Works for the new Tweed Valley Hospital (SSD 18\_9575) located at 771 Cudgen Road, Cudgen (Lot 11 DP1246853).

This report should be read in conjunction with the following documents:

- Historic Heritage Assessment: Tweed Valley Hospital, Stage 2 SSD (Niche 2019) (to which this strategy is appended); and
- Interpretation Strategy: Tweed Valley Hospital Drystone Walls, 771 Cudgen Rd, Cudgen NSW 2487 (Niche 2019).

### 1.1 Site location and description

The proposed site (hereafter referred to as the Project Site) covers 19.38 ha on Lot 11 DP1246853, situated at 771 Cudgen Road, Cudgen, within Tweed Shire Council LGA (Figure 1). It is located immediately to the west of Kingscliff and approximately 1 km from the coastal foreshore and comprises an irregular shaped land parcel bound by Cudgen Road and Turnock Street to the south and east, agricultural land to the west, and an unnamed swamp and drainage line to the north. Cudgen Creek is situated 500m to the west of the site.

The Project Site is situated on a prominent position in the landscape with views to the north and west and comprised of an elevated and roughly level terrace that runs along the southern boundary adjacent to Cudgen Road (Figure 2). The terrace slopes unevenly down onto a low-lying wetland bordering a swamp and heavily vegetated drainage system to the north and west of 771 Cudgen Road. The most northern section of the Project Site is characterised by remnant sub-tropical rainforest.

This Archival Recording should be read in conjunction with the *Historic Heritage Assessment: Tweed Valley Hospital Stage 2 SSD* (Niche 2019) to which this report is appended. This Archival record provides the results of the photographic recording only.

### 1.2 Methodology

This record has been prepared with reference to The Australia ICOMOS Charter for Places of Cultural Significance, *The Burra Charter*, 2013 (Burra Charter) and in accordance with the OEH guidelines *Photographic Recording of Heritage Items using Film or Digital Capture* (2006).

### 1.3 Project team

A photographic recording of the drystone walls was undertaken by Joshua Madden (Team Leader – Historic Heritage) on 6 May 2019.

This archival record has been written by Samuel Ward (Heritage Consultant, Niche) and reviewed by Joshua Madden (Team Leader – Historic Heritage, Niche). Technical GIS assistance has been provided by Matt Harris (GIS Analyst, Niche).









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## 2. Physical evidence

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### 2.1 Physical setting and description of features

Five dry-stone walls were identified and recorded during the field survey. A description of the five walls is outlined below.

- Wall 1 is a dry-stone wall approximately 64 m in length and is located adjacent to Cudgen Road, within the road reserve. The wall is constructed with large volcanic cobbles 3-5 courses high, with a rock rubble infill. The wall varies in width between 1-3 m. From the western end for around 20m the wall is low (single course) and partially collapsed. Between 20m and 34m the wall is in good condition and uniform in construction. Over the remaining 30 m of its extent the wall deteriorates and collapses in sections and is overtaken by ground cover. Vegetation and tree growth is intermingled with the wall along its extent. This relationship is both beneficial and deleterious, with tree roots holding together as well as tearing apart sections of the wall.
- Wall 2 is an extensive wall which runs along much of the western and northern boundaries of Lot 11 DP1246853. Wall 2 is inclusive of both Wall 2 and Wall 3 identified in Niche (2018a). Wall 2 is a very well-constructed dry-stone wall of 6-8 courses of large volcanic cobbles. The sections of wall examined were in excellent condition although the encroachment of vegetation was apparent, and at its eastern end its height reduces and it forms more of a rubble batter than an upright wall. Thick vegetation prevented the full extent and condition of the wall from being assessed during the survey, and it is likely to be more extensive than shown in this report. Sections of the wall have been impacted by later developments including track construction to the creek on the western side (i.e. the former Wall 3 [Niche 2018]). Wall 2 appears to be a retaining wall designed to protect the ploughed fields upslope from the erosion and flooding from the creek in the west and swamp to the north.
- Wall 3 is a dry-stone wall of variable height located mid-slope on the western side of Lot 11 DP1246853. The wall is oriented north-south within a row trees and runs for approximately 46 m. The wall varies in height and condition, however the majority of the wall is high (4-5 courses of volcanic cobbles) and well formed. This wall is overgrown with vegetation which prevented its full extent from being defined and contributes to its deterioration. Included in this vegetation is a very old macadamia tree.
- Wall 4 is a dry-stone wall of 4-6 courses of large volcanic cobbles. This wall is approximately 60 m long and contained within a hedgerow mid-slope. This wall appears to act as a terrace, supporting the upslope fields, although it could also be the remains of a culvert or retaining wall associated with the tramway that was roughly in this location. This wall is heavily concealed by the trees and vegetation of the hedgerow. It was only viewed and photographed from above as it was too difficult to access it from its base. This wall appears to be in good condition and remains in situ.
- Wall 5 is a dry-stone retaining wall of approximately 63m, running roughly north-south on the eastern boundary of the Subject Site, adjacent to Turnock Street and retaining part of the road alignment. It is heavily overgrown by trees and other vegetation. It is unclear if Wall 5 is contemporaneous with the other dry-stone walls or a more modern structure, therefore requires further historical research to confirm its origins. Although it follows the alignment of Turnock Street, it possibly pre-dates the building of this road (which was post-1974), and may represent an earlier track, tramway or field that was subsequently utilised as a convenient new boundary line for

when the Subject Site was subdivided in 1974. For the purposes of this report, however, it has been nominally classified as one of the significant stone wall features until further information is available.

## 2.2 Archival recording

The drystone walls Wall1, Wall 3 and Wall 4 will be partially and/or entirely removed and/or demolished as part of the Stage 2 works. As a result a photographic record has been prepared for Wall 1, Wall 3 and Wall 4 in accordance with Schedule 3 : Conditions of consent for Stage 1 Works Part A Administrative Conditions A13:

*If wall 1, wall 3 and wall 4, identified in the Historical Heritage Assessment Report prepared by Niche Environment and Heritage dated 19 October 2018, require removal (either in part or full), then archival recording of the walls must be conducted prior to the commencement of Stage 1 works, in consultation with Council.*

## 2.3 Sample Archival photographs

The following photographs are a sample of those included in this Archival Recording.



**Sample Image 1:** Photograph 3 –General view of Drystone Wall 1, looking NE from the adjacent footpath.



**Sample Image 2:** Photograph 4 – Detail view of the drystone construction of Wall 1, with scale.



**Sample Image 3:** Photograph 15 – View looking East of Wall 3, showing a middle section.



**Sample Image 4:** Photograph 33 – Detail view of the culvert and surrounding stone work in Wall 3, with scale.





**Sample Image 5:** Photograph 44 – General view of Wall 4 showing western end..



**Sample Image 6:** Photograph 66 – View of Wall 4 showing the middle section and erosion damage to stone work, with scale.

### 3. Assessment of Significance for the Project Site, including drystone Walls

The NSW Heritage Manual, prepared by the former NSW Heritage Office and Department of Urban Affairs and Planning, provides the framework for assessing significance in NSW. These guidelines incorporate the five aspects of cultural heritage value identified in the Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance 1999 (Burra Charter) into a framework currently accepted by the NSW Heritage Council.

The following table presents the significance assessments for the drystone walls as outlined in the Stage 1 Historic Heritage Assessment (Niche 2018).

**Table 1: Significance Assessment**

Criterion	Significance
(a) An item is important in the course, or pattern, or NSW's cultural or natural history (or the cultural or natural history of the local area)	<p>The dry-stone walls (1-5) are an early feature which provide evidence of the immense effort required to modify the landscape for crop production. Their aged condition and large scale suggests they were built as part of an intensive stabilisation scheme during the plantation period, or possibly the later Cornwell period, when the agricultural enterprise was at its height and there was sufficient capital and workforce to undertake such an endeavour. The dry-stone walls are likely to be associated with the use of South Sea Islander labour. Other large-scale dry-stone walls built by South Sea Islanders exist in the local area.</p> <p><b><i>The old stone walls (1-5) are considered to have local significance under this criterion.</i></b></p>
(b) An item has strong or special associations with the life or works of a person, or group of persons, of importance in the cultural or natural history of NSW (or the cultural and natural history of the local area)	<p>The dry-stone walls (1-5) may have been built as part of Cazala's development of the plantation, or during the period of occupancy of the Cornwell family, but further research is required.</p> <p><b><i>The dry-stone walls may have local heritage significance under this criterion.</i></b></p>
(c) An item is important in demonstrating aesthetic characteristics and/or a high degree of creative or technical achievements in NSW (or the local area)	<p>The dry-stone walls (1-5), as ruinous structures which continue to age, crumble and develop rainforest regrowth, have picturesque aesthetic qualities that evoke a sense of abandonment, decay and the past. The mature trees provide important local landmarks and vistas.</p> <p>The dry-stone walls 1-5 are among a number of stone walls built in the area with simple techniques and so do not demonstrate a high degree of creative or technical achievements.</p>



Criterion	Significance
	<b><i>The dry-stone walls (1-5) are considered to have local heritage significance (aesthetic) under this criterion.</i></b>
(d) An item has a strong or special association with a particular community or cultural group in NSW (or the local area) for social, cultural or spiritual reasons.	<p>The dry-stone walls (1-5) are likely to have a special association with the Australian South Sea Islander community. Further consultation with the local community, however, is required to confirm its social heritage significance.</p> <p><b><i>The dry-stone walls (1-5) and the Project Site may have State or local heritage significance under this criterion.</i></b></p>
(f) An item possesses uncommon, rare or endangered aspects of NSW's cultural or natural history (or the cultural or natural history of the local area); and	<p>The dry-stone walls (1-5) and other identified elements of the Project Site are not considered have significance under this criterion.</p> <p><b><i>The Project Site is not considered to be of State or local significance under this criterion.</i></b></p>

The dry-stone walls (1-5) are the most important physical evidence of early activities, and likely date to that early phase of development when the Project Area was a large sugar plantation and then dairy farm, and were probably built with the use of South Sea Islander labour. They therefore have local historical significance and potential (pending community consultation) associative significance with the Australian South Sea Islander community.

## 4. Methodology

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### 5.1 Introduction

The aim of the photographic record is to provide a visual documentation of a place prior to alteration or demolition takes place. The archival record aims to capture a place at a specific moment in time documenting a variety of attributes from small scale details to the landscape setting of an item.

### 5.2 Photographic Recording Methodology

A number of techniques were used to maximise the quality of the archival photography. A high quality Canon EOS 700D Camera was used to record the Stone Chapel building and capture CR2 (Canon Raw Version 2 Files) and JPEG images simultaneously. The archival recording site figures showing the location and direction of photographs (**Figure 4**, **Figure 5**, **Figure 6**) are found in Section 5. The photographic context sheet, which describes each of the archival images, is also found in Section 5. All archival images of the Drystone Walls prior to works commencing are presented as thumbnails and are found in Section 6.

This report meets the Office of Environment and Heritage (OEH) guidelines: *Photographic Recording of Heritage Items using Film or Digital Capture* (OEH, 2006). Each photograph was recorded on a photographic catalogue sheet with the direction noted and a description provided (see Section 5). The general locations and directions of the photographs were also marked on reference aerials of the site (see View Angles figures in Section 5). All digital photographs are provided in RAW, TIF and JPEG formats on an accompanying CD and DVD.

This report and accompanying CD/DVDs should be submitted to the Secretary, Tweed Shire Council, the Richmond Tweed Regional Library, and a copy retained by TSA Management.

### 5.3 Camera

All photographs were taken using a Canon EOS 700D Camera. The lens used was 18-55mm.



## 5. Photographic Catalogues Sheet

<b>PROJECT NAME</b>	#3641 Mountbatten Stone Chapel – Archival Recording		
<b>CAMERA:</b>	Cannon EOS 700D	<b>LENS:</b>	18-55mm
<b>PHOTOGRAPHER:</b>	Joshua Madden		

**Table 2: Photographic Catalogue Sheet**

Image Number	Listing Sheet	Date	Description	Orientation
<b>Wall 1</b>				
1	Page 1	6/5/2019	View looking East towards the western end of Wall 1, looking along the adjacent footpath	Facing E
2	Page 1	6/5/2019	View looking NW towards the western end of Wall 1, from the adjacent footpath	Facing NE
3	Page 1	6/5/2019	View of Wall 1, from the adjacent footpath	Facing NE
4	Page 1	6/5/2019	Detail view looking NE from footpath showing drystone construction of mid-section of wall	Facing NE
5	Page 1	6/5/2019	View towards NW from footpath	Facing NW
6	Page 1	6/5/2019	Detail view looking NW from footpath showing drystone construction of mid-section of wall	Facing NW
7	Page 1	6/5/2019	View looking west of the overgrown eastern end of Wall1	Facing W
8	Page 1	6/5/2019	View looking West along footpath from eastern end of Wall1	Facing W
9	Page 1	6/5/2019	View looking WNW from footpath showing Mid-point of Wall 1	Facing WNW
10	Page 1	6/5/2019	View looking east along footpath from the mid-section of Wall1	Facing E
11	Page 1	6/5/2019	View looking NW from footpath showing the mid-section of Wall1	Facing NW
<b>Wall 3</b>				
12	Page 1	6/5/2019	View looking SE of northern end of Wall3	Facing SE
13	Page 1	6/5/2019	View looking East of northern end of Wall3 (1 of 7 in a series progressing south)	Facing E
14	Page 1	6/5/2019	View looking East of northern portion of Wall3 (2 of 7 in a series progressing south)	Facing E
15	Page 1	6/5/2019	View looking East of middle portion of Wall3 (3 of 7 in a series progressing south)	Facing E
16	Page 1	6/5/2019	View looking East of middle portion of Wall3 (4 of 7 in a series progressing south)	Facing E
17	Page 1	6/5/2019	View looking East of middle portion of Wall3 (5 of 7 in a series progressing south)	Facing E

Image Number	Listing Sheet	Date	Description	Orientation
18	Page 1	6/5/2019	View looking East of middle portion of Wall3 (6 of 7 in a series progressing south)	Facing E
19	Page 1	6/5/2019	View looking East of southern portion of Wall3 (7 of 7 in a series progressing south)	Facing E
20	Page 1	6/5/2019	View looking SE of southern end of Wall3	Facing SE
21	Page 2	6/5/2019	View looking NE of southern end of Wall3	Facing NE
22	Page 2	6/5/2019	View looking NE of southern extent of Wall3	Facing NE
23	Page 2	6/5/2019	View looking NW of southern extent of Wall3	Facing NW
24	Page 2	6/5/2019	View looking N of southern end of Wall3	Facing N
25	Page 2	6/5/2019	View of mid-section of Wall3 looking north along the crest of the embankment	Facing N
26	Page 2	6/5/2019	View of mid-section of Wall3 looking north along the crest of the embankment	Facing N
27	Page 2	6/5/2019	Detail of Mid-section of Wall3 from top of the wall	Facing N
28	Page 2	6/5/2019	Detail of Mid-section of Wall3 from top of the wall	Facing N
29	Page 2	6/5/2019	Detail of Mid-section of Wall 3 from lower level of embankment	Facing N
30	Page 2	6/5/2019	View of northern section of Wall 3 looking SW	Facing SW
31	Page 2	6/5/2019	Detail view of mid-section of Wall 3 showing drystone construction	Facing E
32	Page 2	6/5/2019	Detail view of mid-section of Wall 3 showing drystone construction	Facing SE
33	Page 2	6/5/2019	Detail view of mid-section of Wall 3 showing drystone construction and culvert	Facing E
34	Page 2	6/5/2019	Detail view of mid-section of Wall 3 showing drystone construction, and inclined section	Facing E
35	Page 2	6/5/2019	Detail view of mid-section of Wall 3 showing drystone construction, and inclined section	Facing SE
36	Page 2	6/5/2019	Detail view of mid-section of Wall 3 showing drystone construction, and inclined section	Facing SSE
37	Page 2	6/5/2019	Detail view of mid-section of Wall 3 showing drystone construction, and inclined section	Facing NNE
38	Page 2	6/5/2019	General view of mid-section of wall showing vegetation growth, inclined section	Facing NNE
39	Page 2	6/5/2019	General view of mid-section of wall showing vegetation growth, inclined section	Facing E
40	Page 2	6/5/2019	General view of Northern section of wall showing extent	Facing NE
41	Page 3	6/5/2019	General view of Northern section of wall, showing vegetation growth	Facing SE
42	Page 3	6/5/2019	General view of mid-section of wall, showing vegetation growth, inclined section	Facing SE



Image Number	Listing Sheet	Date	Description	Orientation
<b>Wall 4</b>				
43	Page 3	6/5/2019	View looking ENE of the western end of Wall4	Facing ENE
44	Page 3	6/5/2019	View looking NE of the Western end of Wall4	Facing NE
45	Page 3	6/5/2019	View looking along Wall4 from the western end	Facing ENE
46	Page 3	6/5/2019	View looking along Wall4 from the western end	Facing NE
47	Page 3	6/5/2019	View looking across the western mid-section of Wall 4 showing view of northern wood in background	Facing NNW
48	Page 3	6/5/2019	View across the western end of Wall 4, looking NW	Facing NW
49	Page 3	6/5/2019	View along Wall 4 looking WSW, from the Eastern end	Facing WSW
50	Page 3	6/5/2019	View across the Eastern end of Wall4, showing detail of eroded stone wall	Facing SE
51	Page 3	6/5/2019	View across the mid-section of Wall4, from north side	Facing SW
52	Page 3	6/5/2019	General view of the Mid-section of Wall4, looking towards the Eastern end.	Facing ESE
53	Page 3	6/5/2019	View looking south across the mid-section of Wall 4	Facing S
54	Page 3	6/5/2019	General view of the Mid-section of Wall4, looking towards the Western end.	Facing SSW
55	Page 3	6/5/2019	View looking south across the mid-section of Wall 4, further west from picture 52	Facing S
56	Page 3	6/5/2019	General view of the Mid-section of Wall4, showing a portion further west from Image 51	Facing ESE
57	Page 3	6/5/2019	view of the Mid-section of Wall4, showing a closer view from image 55	Facing ESE
58	Page 3	6/5/2019	View across the western end of Wall 4, showing extent.	Facing SSW
59	Page 3	6/5/2019	View looking south across the Western end of Wall4	Facing S
60	Page 3	6/5/2019	View looking south across the mid-section of Wall 4, further west from picture 55	Facing S
61	Page 4	6/5/2019	View looking south across the mid-section of Wall 4, further east from picture 59	Facing S
62	Page 4	6/5/2019	View looking south across the mid-section of Wall 4, further east from picture 60	Facing S
63	Page 4	6/5/2019	View looking south across the mid-section of Wall 4, further east from picture 61	Facing S
64	Page 4	6/5/2019	View looking south across the mid-section of Wall 4, further east from picture 62	Facing S
65	Page 4	6/5/2019	View looking south across the mid-section of Wall 4, further east from picture 63	Facing S
66	Page 4	6/5/2019	View across the mid-section of Wall 4 showing detail of drystone construction	Facing SW

Image Number	Listing Sheet	Date	Description	Orientation
67	Page 4	6/5/2019	View looking along Wall4 from the western end, showing the mid-section	Facing ENE





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## 6. Photographic Listing Sheets

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## 7. References

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Appendix A    Survey Data for Drystone Wall Locations



Drawn by: YH File: T:\spatial\projects\ba4800\4898\_TweedHospitalDrystoneWalls\_AR\_NSWMapshHA4898\_AppendixA\_SurveyDataForDrystoneWallLocations.mxd Last updated: 9/20/2019 12:42:52 PM



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Project management

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Biodiversity Stewardship Site Agreements (NSW)  
Offset site establishment and management  
Offset brokerage  
Advanced Offset establishment (QLD)