

BRIDGE - ALGEBUCKINA  
55 KM SOUTH OF OODNADATTA

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HERITAGE SIGNIFICANCE

Historically, the Alge buckina Bridge over the Neales River is significant as an example of the engineering skills involved in the construction of the Great Northern Railway between 1878-1891, when the line reached Oodnadatta. The railway was the result of the impetus of land settlement during the 1870's and 1880's and came to represent a possible major link between the northern and southern shores of Australia.

Architecturally, the bridge is a fine example of the engineering skills employed during the late Nineteenth Century, its design relying more upon utility than stylistic embellishment.

Environmentally, the bridge is an important visual and historical landmark set in an arid landscape.

The Integrity of the bridge is sound.

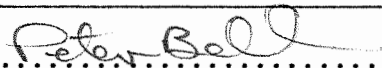
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NOMINATION SOURCE/THREAT/OWNER

This report has been prepared following the listing of the Alge buckina Bridge on the Register of the National Estate, on 28 November, 1982. With the opening of the new Tarcoola-Alice Springs railway, the line was finally closed in 1980, and railway land is to be transferred from A.N.R. to the Lands Department. Most sections of the railway land will be incorporated into the relevant Crown lease. Described in part of Certificate of Title 4210 Folio 566, the bridge is not under any threat.

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STATE HERITAGE BRANCH RECOMMENDATION:

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for Manager

It is recommended that this item be included on the Register of State Heritage Items, and that it be categorized H2, H3, A2.

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South Australian Heritage Act 1978-82	Register of State Heritage Items ITEM EVALUATION SHEET Historic Site	Ref. No. 5942-11528
	Item ALGEBUCKINA BRIDGE, NEALES RIVER 55KM SOUTH ODDNADATTA.	Status NT (CL) NE Reg. 28.9.82
Age 1891-2	Subject Use: 1407 Bridge	Site Type

History	Context	Illustrates the ongoing construction of the Great Northern Railway as part of the legacy of railway development programmes during the 1870's and 1880's, which culminated in the Transcontinental Railway dream.	E	VG	AG	FP	NA
	Person/Group	South Australian Government		X			
	Event	1862 Stuart successfully crosses Continent. 1872 Overland Telegraph line to Port Darwin started, following Stuart's track via Mound Springs. 1878 Great Northern Railway from Port Augusta started.		X			
	Natural Elements	Arid environment - scattered bluebush and stunted vegetation-wide Neale's River Creekbed.			X		
Physical	Man-Made Elements	Remains of railway track, embankments, abutments earthworks and approaches to Neale's River bridges, 17 spans 101'6", 2 spans 98'4½", wrought iron superstructure and piers. Overall length 1922'3" possibly.		X			
	Representation	A fine example of bridge construction in a remote area - relatively rare for its combined length and construction.		X			
	Continuity	Located in an isolated environment, it is notable in its lack of relevance to its natural surroundings.					X
Environment	Local Character	Set in an arid environment.					X
	Landmark	A conspicuous landmark.	X				
	Alterations	No known alterations		X			
Integrity	Condition	Fair			X		
	Compatibility	Presently disused - a relic of an abandoned railway					X

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	Item     ALBEBUCKINA BRIDGE - NEALE'S RIVER 55 KM SOUTH OF OODNADATTA.	Prepared By: Iris Iwanicki

### Supplementary Information

**Adaptation:** Has limited potential for any alternative use. No alteration to the bridge's structure should be allowed.

**Interpretation:** Not easily or readily accessible to the general public, the bridge is nevertheless an important relic of late Nineteenth century engineering skills and of the Great Northern Railway line. Factual information on this bridge could be made available at a display centre at Quorn, or Marree.

### History and Sources

The Algebuckina Bridge over the Neale's water way was built in 1891-2 as part of the Great Northern railway. Construction of the Great Northern Railway was initially seen as a means of opening up the hinterland of the State for settlement and as a transportation link from the Northern Flinders Mines during the 1860's. Proposals to build a railway on the land grant system led to the Port Augusta and Overland Railway Act of 1862. Nothing eventuated from the land grant scheme.

Controversy continued over the principle of alienating tracts of Crown land for the benefit of developers to the effect that any move to implement the scheme was quashed up to the time of Federation, after which the Commonwealth assumed control of the line in 1911.

Following the State being granted temporary control over its northern region in July, 1863, Palmerston was surveyed as a new settlement on the northern coastline of Australia. In 1872, an overland telegraph line, following Stuart's route, was commenced between Palmerston and Adelaide. A railway line was soon seen to be a desirable and progressive link between the northern coastline and Port Augusta (S.P.D. H.A. Oct. 1869, col. 555) and in 1878 the line was commenced from Port Augusta. By 1880, the line reached Hawker and two years later, Farina or Government Gums as it was then called. Act 281 of 1883 authorised further extension of the line north of Hergott Springs (Marree), the continuation of which reached Oodnadatta in January 1891. Here it remained until 1922-1929, when it was extended to Alice Springs by the Commonwealth, which had assumed control of the line from Port Augusta to Oodnadatta, along with the Northern Territory in 1911. By this time the Great Northern Railway had formally assumed its ultimate identity by a change of name to the Transcontinental line (vide Transcontinental Railway Act, 1902). The last link between Alice Springs and Larrimah in the north was never completed. A new standard gauge railway constructed from Stirling North in 1957 finally replaced the narrow gauge Great Northern or Transcontinental line as far as Marree. Finally the northern section was superseded by the new Tarcoola-Alice Springs railway. The last run along the line occurred on November 19th, 1980, and salvage of the line has since been carried out.

Contd.

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### History and Sources

In September 1891, the Engineer-in-Chief reported to Parliament on the progress of the extension line, by then 144 miles in length as follows:-

"The whole of the works on this line are now virtually completed with the exception of some minor ones and the Neale's Bridge where a temporary deviation is still being used by traffic. The work has been carried on departmentally by day and piece work, as heretofore, the number of men employed varying from 352 in July 1880 to 83 in June 1881, giving an average number of 196 for the year. At the time, north and south abutments of the Neale's Bridge have been completed and all pier foundations excavated. The whole of the cylinders have been planted, with the exception of two or three at the end of the bridge, and 11 spans of wrought iron superstructure completed. The painting of the bridge has been commenced and 2 spans are fully coated".  
(S.A.P.P. 47 of 1891, p.65)

This bridge, 1922'3" in length, is historically important for its representation of the type of engineering techniques used in the construction of the Great Northern Railway, a major feat of hard labour in harsh conditions for the workers involved. At a State and Regional level, it reflects the expansion of the railway network during the 1870's and 1880's.

### Sources:

- Boucaut, Sir J.P.: Speeches by Mr. Boucaut, Premier of S.A., on railway and public works, Sept. & Oct. 1875, R.G.S.S.A.
- Bromby, R: Rails to the top end - The Adelaide-Darwin Transcontinental Railway, Cromarty Pr., Syd., 1982.
- Chivell, Amies: The Railway conquest of South Australia, Thesis (undated) S.A.A., Strempel Coll.
- Donovan, P.: A railway from Adelaide to Darwin : a microcosm of South Australia's Northern Territory experience, R.G.S.S.A. Vol. 74-1973
- Ghan Preservation Society (S.A.) - Submission, 1980
- Jessup, R.W.: The Geography of North-Western South Australia, R.G.S.S.A., 51-6
- Advertiser 13/6/1980  
25/10/1980
- Parsons, Hon. J.L. - The Northern Territory of S.A. - a brief historical account - pastoral and mineral resources, July 4, 1901. R.G.S.S.A., Vol. 5, 1901-2, Indec.
- A.N.R.: Environmental Assessment of the Tarcoola-Alice Springs Railway, P.K. Pak-Poy & Associates Pty. Ltd., Oct., 1977.
- S.A.A.: GRG.42/127/122A - Estimates: Hergott Springs & Strangways Springs Railway.
- S.A.A. Parliamentary Paper No. 47 of 1891.
- Commonwealth of Australia Gazette, No. G39, 28 September 1982, p.33.



Film 1147  
Overland Telegr.  
Route

2-12  
Algebuchina  
Bridge



55096  
P. 1147

X

VLC



Film 1147 ALGEBOCKINNA BRIDGE July 185  
No 4 Lohman



Film 1147  
No 8

ALGEBOCKINNA BRIDGE

July 185  
Lohman





The Algebuckina Bridge - Oodnadatta Track

82511



Film 1147 ALGEBUCKINNA BRIDGE JULY 85  
No 3 JAW









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 3-3-81





## SOUTH AUSTRALIAN HERITAGE ACT, 1978

*Entry of Items on the Register of State Heritage Items*

There has been an increased community awareness of the need to protect those buildings and features of our State which reflect our cultural heritage. The South Australian Government has recognised that awareness by passing the South Australian Heritage Act, 1978, for which the Minister for Environment and Planning is responsible. In accordance with the provisions of the Act, the Register of State Heritage Items is being compiled.

Where the Minister considers that an item (defined as any land, building or structure) that is not on the Register is part of the physical, social or cultural heritage of the State and that the item is of significant aesthetic, architectural, historical or cultural interest, then the Minister may enter that item on the Register.

Pursuant to the provisions of the South Australian Heritage Act, 1978, I, Don Hoggood, Minister for Environment and Planning and Minister for the time being administering the said Act, hereby give notice that I have entered on the Register of State Heritage Items the items described in the schedule hereunder.

Items listed in the schedule were previously placed on an Interim List in accordance with the provisions of section 15 of the South Australian Heritage Act, 1978. Excepting items owned by the Crown and those within the area of the corporation of the city of Adelaide, the remaining items listed in The Schedule are subject to Part V of the Planning Act, 1982. That Act requires that no development, including demolition, conversion, alteration of, or addition to any item, is permitted without the written consent of the relevant Planning Authority. Items within the area of the corporation of the city of Adelaide are subject to the provisions of the City of Adelaide Development Control Act, 1976.

## THE SCHEDULE

Name	Address
<b>Corporation of the City of Adelaide</b>	
Dwelling	149 Barton Terrace, North Adelaide 5006. CT. volume 1770, folio 159. Part town acre 951. City of Adelaide.
Dwelling and Domestic Outbuilding	247 Currie Street, Adelaide 5000. CT. volume 4269, folio 289. Lot 5. of part town acre 126. City of Adelaide.
Former Steam Saw Mill	12-22 George Street, North Adelaide 5006. CT. volume 3580, folio 166. Part town acres 875 and 876. City of Adelaide.
Christian Brothers College	214 Wakefield Street, Adelaide 5000. CT. volume 1603, folio 159. CT. volume 1625 folio 163. CT. volume 3113, folio 105. Part town acres 292 and 293. City of Adelaide.
Adelaide Brewery	54-58 Wyatt Street, Adelaide 5000. CT. volume 1765, folio 42. Portion of town acres 208, 209 and 231. CT. volume 1737, folio 193. Portion of town acres 208 and 209. City of Adelaide.
<b>Corporation of the City of Burnside</b>	
Fence and Domestic Outbuildings—former Stable Walls	398 Glynburn Road, Kensington Gardens 5064. CT. volume 4256, folios 116 and 117, lots 8 and 9. Portion of Section 204. Hundred of Adelaide.
<b>District Council of Koonunga</b>	
Old Koonunga	Koorunga. CT. volume 4222, folios 251 and 252. Lots 20 and 21. Hundred of Koorunga.
<b>District Council of Largs Peninsula</b>	
Limestone Well	Section 43, water reserve No. 212. Hundred of Richards.
Binnie Well	Section 56. Hundred of Strawbridge.
Reedy Well	Section 64, water reserve No. 210. Hundred of Colebatch.
<b>Corporation of the City of Enfield</b>	
Klemzig Lutheran Cemetery	Second Avenue, Klemzig 5087. L.G. volume 1701, folio 180, section 569. Hundred of Yatala.
<b>Corporation of the City of Glenelg</b>	
Dwelling—'Blanche Villa'	Corner Moseley Square and Broadway, Glenelg 5045. CT. volume 4211, folio 990, allotment 305 of portion of section 205. Hundred of Noarlunga.
Rotunda	Colley Reserve, Glenelg 5045. CT. volume 1501, folio 146, section 1622. Hundred of Noarlunga.
Townsend Drinking Fountain	Colley Reserve, Glenelg 5045. CT. volume 1501, folio 146, section 1622. Hundred of Noarlunga.
Glenelg Post Office and Dwelling	Moseley Square, Glenelg 5045. CT. volume 2360, folio 37, section 1510. Hundred of Noarlunga.
Pioneers Memorial Monument	Moseley Square, Glenelg 5045. L.G. volume 1656, folio 153 being block No.1. Hundred of Noarlunga.
Glenelg Town Hall	Moseley Square, Glenelg 5045. CT. volume 1501, folio 147, section 1599. Hundred of Noarlunga.
Dwelling	62 Moseley Street, Glenelg 5045. CT. volume 1758, folio 71. Portions of allotments 21 and 22, section 205. Hundred of Noarlunga.
Dwelling—'Russell Court'	Olive Street, Glenelg 5045. CT. volume 3540, folio 17. Portion of allotments 41 and 49 of subdivision of portion of section 204. Hundred of Noarlunga.
Waterworth Hospital	Pier Street, Glenelg 5045. CT. volume 4151, folio 57, allotment 267 of portion of section 204. Hundred of Noarlunga.
Dwelling—'Colonna'	5 Robert Street, Glenelg 5045. CT. volume 1386, folios 21 and 22, portion of allotments 7, 8 and 11 of subdivision of section 205. Hundred of Noarlunga.
<b>District Council of Gumeracha</b>	
Dwelling—'Ludlow House'	Cudlee Creek 5232. CT. volume 4261, folio 631, lot 12 of section 6071. Hundred of Talunga.
Mount Torrens Gold Battery	Mount Torrens 5244. CT. volume 808, folio 105. CT. volume 1095, folio 163. Portion of section 6537. Hundred of Talunga.
<b>District Council of Kanyaka/Quorn</b>	
Wirreanda Creek Bridge	Via Hawker. Section 514. Hundred of Kanyaka.



## THE SCHEDULE

Name	Address
<b>Corporation of the City of Kensington and Norwood</b>	
Royal Hotel .....	2 North Terrace, Kent Town 5067. CT. volume 4203, folio 536, allotment 100 of portion of section 255. Hundred of Adelaide.
<b>District Council of Light</b>	
Ridley Arms Hotel .....	Anne Terrace, Wasleys 5400. CT. volume 4064, folio 315. Allotment 1 of portion of section 524. Hundred of Mudla Wirra.
<b>District Council of Meningie</b>	
Hawks Nest Well .....	CL. volume 1557, folio 10, section 102. Hundred of Coolinong.
Dwelling—'The Needles' .....	Millarouan. CT. volume 3751, folio 171, section 180. Hundred of Glyde. CT. volume 3754, folio 28, section 190. Hundred of Bonney.
<b>District Council of Minlaton</b>	
'Grainstore Galleries' .....	Corner Ramsay and Main Roads, Port Vincent 5581. CT. volume 316, folio 228, allotment 27. Hundred of Ramsay.
Minlaton Showground Pavilion .....	West Terrace Minlaton 5575. CT. volume 1691, folio 161, section 279. Hundred of Minlacowie.
<b>District Council of Mount Remarkable</b>	
Whim .....	Booleroo Centre 5482. Section 198. Hundred of Willowie.
Dwelling .....	Lot 6 Spratt Street, Melrose 5483. CT. volume 4148, folio 247. Allotment 6 of portion of section 5. Hundred of Wongyarra.
Dwelling .....	Lot 13 Whitbey Street, Melrose 5483. CT. volume 519, folio 11. Allotment 13 of section 5. Hundred of Wongyarra.
<b>District Council of Mount Baker</b>	
'Hahndorf Inn' .....	35 Main Street, Hahndorf 5245. CT. volume 4216, folio 183. Allotment 3 of portion of section 4233. Hundred of Kuitpo.
German Arms Hotel .....	69 Main Street, Hahndorf 5245. CT. volume 4214, folio 553. Allotment 20 of section 4234. Hundred of Kuitpo.
F.W. Wittwer House .....	85 Main Street, Hahndorf 5245. CT. volume 3799, folio 13. Part Allotment 7 of section 4235. Hundred of Kuitpo.
Dwelling .....	102 Main Street, Hahndorf 5245. CT. volume 4067, folio 440. Allotment 20 of section 4002. Hundred of Onkaparinga.
<b>District Council of Murray Bridge</b>	
Perkindoo Well .....	CT. volume 3193, folios 82 and 83. Portion of section 701. Hundred of Coolinong.
<b>Corporation of the City of Noarlunga</b>	
Church and Cemetery of St Philip and St James ..	Church Hill Road, Old Noarlunga 5168. CT. volume 4025, folio 489. Portion of section 61. Hundred of Noarlunga.
Mount Hurtle Winery .....	Reynella 5161. CT. volume 4261, folios 542 and 543. Lots 1 and 2, section 533. Hundred of Noarlunga.
<b>District Council of Onkaparinga</b>	
Dwelling—Pise House .....	Adelaide-Lobethal Road, Forest Range 5139. CT. volume 4258, folio 357, section 229. Hundred of Onkaparinga.
Dwelling and Farm Outbuildings—'The Pines' ...	Beaumont Road, Verdun 5245. CT. volume 2153, folio 43 and CT. volume 4079, folio 142. Part sections 3928 and 3929. Hundred of Onkaparinga.
Mining Site—former Grunthal Mine .....	Beaumont Road, Verdun 5245. CT. volume 4254, folio 596. Lot 101 of section 4008. Hundred of Onkaparinga.
Dwelling and Dry Stone Wall .....	Burnley Road, Mount Charles. CT. volume 2611, folio 108. Portion of section 3960. Hundred of Onkaparinga.
Former Balhannah School .....	Corner West Terrace and Main Street, Balhannah 5242. CT. volume 671, folio 110. CT. volume 3640, folio 178. Allotments 1 and 2 of section 4014. Hundred of Onkaparinga.
Dwelling—'Ravenswood' .....	Corner Birchmore and Paechbros Roads, Bonneys Flat. CT. volume 4189, folio 193. Allotment 2 of section 4217. Hundred of Onkaparinga.
Old Lime Kiln and Quarry .....	Days Road, Murdoch Hill. CT. volume 3542, folio 161. Portion of Block 3 of section 5294. Hundred of Onkaparinga.
Workshop and Dwelling—former 'Dorset Brewery'	Elizabeth Street, Oakbank 5243. CT. volume 4053, folio 187, allotment 38. CT. volume 4267, folios 338 and 339. Lots 39, 40 and 41. Hundred of Onkaparinga.
Dwelling—'The Folly' .....	Grasby Road, Balhannah 5242. CT. volume 4173, folio 998. Allotment 3 of part section 4041. Hundred of Onkaparinga.
Mining Site— Former Balhannah Mine Engine House, Boiler House, Crusher House and Stack .....	Greenhill Road, Lenswood 5240. CT. volume 2325, folio 163. Portion of section 4048. Hundred of Onkaparinga.
Lock-up and Stables .....	36 Main Street, Woodside 5244. Portion of allotment 13. Portion of section 5030 in GP 84 of 1857. Hundred of Onkaparinga.
Dwelling—'Dalintober' .....	Robert Street, Oakbank 5243. CT. volume 4086, folio 564. Portion of section 4020. Hundred of Onkaparinga.
Oakbank Racecourse .....	Shilaber Road, Oakbank 5243. CT. volume 1720, folio 6. Portion of sections 4018 and 4019. CT. volume 4176, folio 854. Allotment 1 of section 132. Hundred of Onkaparinga.
Dwelling—'Blackburn Farm' .....	Tiers Road, Woodside 5244. CT. volume 1831, folio 84. Portion of section 5027. Hundred of Onkaparinga.
<b>Corporation of the City of Payneham</b>	
Dwelling—'Forsythe House' .....	160 O.G. Road, Felixtow 5070. CT. volume 4097, folio 687. Portion of section 306. Hundred of Adelaide.
Office—former Dwelling .....	296 Payneham Road, Payneham 5070. CT. volume 2640, folio 78. Portion of allotments 122 and 124 of portion of section 279. Hundred of Adelaide.

## THE SCHEDULE

Name	Address
Corporation of the City of Port Adelaide Dwelling—First Housing Trust Homes .....	35 and 37 McNicol Terrace, Rosewater 5013. CT. volume 632, folio 69. Portion of allotments 42 and 43. CT. volume 1592, folios 89 and 90. Portion of allotments 44 and 45. Hundred of Port Adelaide.
Port Dock Hotel .....	10 Todd Street, Port Adelaide 5015. CT. volume 4227, folio 660. Allotment 100 of portion of section A. Hundred of Port Adelaide.
District Council of Port Elliot and Goolwa Watsons Gap Bridge .....	Via Port Elliot 5212. Section 29. Hundred of Goolwa.
Corporation of the Town of Renmark Dwelling—'Bangalore' .....	Renmark Avenue, Renmark 5341. CT. volume 1131, folio 18 and CT. volume 1347, folio 170. Allotment 273, portion of allotments 274 and 275 of block A. Hundred Renmark irrigation area.
District Council of Strathalbyn Shop .....	10 Albyn Terrace, Strathalbyn 5255. CT. volume 133, folio 78. Part lot 17. Hundred of Strathalbyn.
District Council of Tanunda Lutheran Church .....	Bethany Road, Bethany 5352. CT. volume 520, folio 68. Portion of section 660. Hundred of Moorooroo.
District Council of Tatiara Dwelling—'Clayton Farm' .....	Bordertown-Mundulla Road, Bordertown 5268. CT. volume 4040, folio 668, section 154. Hundred of Tatiara.
Two Wells .....	CL. volume 1594, folio 7, section 54. CL. volume 1232, folio 34, section 105. Hundred of Laffer.
Kongal Springs Well .....	CL. volume 631, folio 8, section 241. Hundred of Wirrega.
Corporation of the City of Tea Tree Gully Dwelling—'Eldergreen' .....	Yatala Vale Road, Golden Grove 5125. CT. volume 4153, folio 675. Portion of section 2132. Hundred of Yatala.
Corporation of the Town of Thebarton Squatters Arms Hotel .....	East Terrace, Thebarton 5031. CT. volume 4008, folio 485, lot 286. Hundred of Adelaide.
Southwark Hotel .....	77 Port Road, Thebarton 5031. CT. volume 4066, folio 52. Part lot 214. Hundred of Adelaide.
Corporation of the Town of Thebarton and Corporation of the Town of Hindmarsh Holland Street Bridge .....	Holland Street, Hindmarsh 5007. CT. volume 400, folio 195. Part section 1, hundred of Adelaide. CT. volume 2392, folio 63. Portion of section 353. Hundred of Yatala.
Unincorporated Strangways Springs Telegraph Station .....	Anna Creek. Telegraph Reserve 1177, <i>Gazette</i> 8 March 1883. North out of hundreds. Curdimurka.
Wilpena Station Homestead .....	Via Hawker 5434. CL. volume 1276, folio 38, block 670. Out of hundreds. Counties of Taunton and Hanson.
Algebuckina Bridge .....	Via Oodnadatta. CT. volume 4210, folio 566, section 611. Out of hundreds.
District Council of Victor Harbor Railway Bridge .....	Hindmarsh Road, Victor Harbor 5211, part section 18. Hundred of Encounter Bay, part section 19. Hundred of Goolwa.

Dated at Adelaide, 24 October 1986.

D. J. HOPGOOD, Minister for Environment and Planning