

Wandoan Coal Project

P q p / K p f k i g p q w u " E

J g t k v c i g " C u u g u

" " " "

U q w v j g t p " E q c n " U g c o

Y c v g t " U w r r n { " R k

C " t g r q t v " v q <

R c t u q p u " D t k p e m g t j q h h

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D t k u d c p g " S n f " 6 2 2 2

U g r v g o d g t " 4 2 2 :

BCA

D q p j q o o g " E t c k d " (" C u u q

Cultural Heritage Consultants

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TABLE OF CONTENTS

Executive Summary	v
1.0 Introduction	1
1.1 Project Description and background.....	1
1.2 Purpose of the assessment.....	2
1.3 Methodology.....	2
1.4 Regulatory Framework	2
1.4.1 Queensland State Legislation.....	2
1.4.2 Federal Legislation	3
1.4.3 Cultural and Heritage Organisations.....	3
1.4.4 Legislation for the control of human remains.....	3
2.0 Heritage Assessment	4
2.1 Limitations.....	4
2.2 Desktop Research.....	4
2.2.1 Database consultation	4
2.2.2 Mapping.....	6
2.2.3 Community Consultation.....	6
2.2.4 Historical context.....	6
2.2.5 Developing rural economies	6
2.2.6 Establishing and developing towns.....	8
2.2.7 Exploiting natural resources	8
2.2.8 Developing transport and communication networks	9
2.2.9 Educating a rural community.....	10
2.2.10 Summary.....	10
2.3 Field inspection	11
2.3.1 Results.....	11
3.0 Significance, Potential Impacts and Mitigation Measures	14
3.1 Significance.....	14
Table 3-1 The Queensland Heritage Assessment criteria	15
Table 3.2 Criteria for local significance assessment	15
3.2 Potential Impacts	16
3.3 Mitigation Measures and Recommendations	16
4.0 References	17
A: Location of proposed Southern CSM water supply pipeline.....	19

N k u v " q h " H k i w t g u

H k i w t g " 4 / 3 " O N C " c p f " n q e c v k q p " q h " u k v g u " c n q p i " v j g

N k u v " q h " V c d n g u

V c d n g " 5 / 3 " V j g " S w g g p u n c p f " J g t k v c i g " C u u g u u o g p v " e
V c d n g " 5 / 4 " V j g " P q q u c " R n c p " n q e c n " u k i p h k e c p e g " e t k

C v v c e j o g p v u

C v v c e j o g p Route maps
Attachment 2 Photographic record
C v v c e j o g p Plan of Management
Attachment 4 Glossary

G z g e w v k x g " U w o o c t {

The Wandoan Coal Project proposes to develop thermal coal resources situated immediately west of the Wandoan township, located in the Dalby Regional Council area. The mining of the coal resources will be developed using a combination of truck, shovel, dozer and dragline mining equipment. Coal will be mined, crushed, sized and washed before being transported by rail to ports in the Gladstone area.

V j g " Y c p f q c p " E q c n " R t q l g e v " y k n n " k p e n w f g " q p / u k require a constant and reliable water supply. One of three potential water supply options is h t q o " e q c n " u g c o " o g v j c p g " * E U O + " d { / r t q f w e v " y c v g t R t q l g e v " o k p k p i " n g c u g " c r r n k e c v k q p " c t g c u 0 " V j g " r from these gas fields will be from the Condamine Power Station, which is currently under construction, to the water supply storage dam adjacent to the Mine Infrastructure Area (MIA) q h " v j g " R t q l g e v " x k c " v j g " u q w v j g t p " d q w p f c t { " q h " C

Bonhomme Craib & Associates (BCA) was commissioned by Parsons Brinckerhoff to r t g r c t g " c " P q p / k p f k i g p q w u " E w n v w t c n " J g t k v c i g " C purpose of the assessment was to gain an understanding of the historical heritage values that may be impacted by the proposed pipeline.

The assessment included a desktop study of available records, consultation with relevant agencies and stakeholders, a site inspection and the recording of historical items in the vicinity of the route. Standard archaeological methods were used.

The PB community consultation team undertook consultation with affected property owners. No cultural heritage issues were raised by the landowners at the time of preparation of this report.

The historical context prepared indicated that the proposed route is located in areas that may e q p v c k p " k v g o u " t g n c v k p i " v q " v j g th century development g p v " q h of road and rail infrastructure and resource extraction, such as timber getting.

A database search and literature review confirmed that no sites of National or State heritage significance are located along the preferred route. The items are locally significant and are representative of the types of sites associated with the development of road and rail and closer settlement.

None of the identified items within the vicinity of the proposed pipeline will be directly impacted. The design concept phase should consider the historical items identified in the field inspection and plan to avoid any impacts to any items.

The following recommendations are made:

- the location of the historical items identified in the survey should be noted in field maps, and design and construction drawings of the proposed Southern CSM water supply pipeline. These locations should be avoided during design and construction; and

- a cultural heritage management plan should be implemented to address the management of any historical items/material which may be located during

clearing or construction work.

The mitigation measures and recommendations satisfy the statutory responsibilities and duties of care under the relevant legislation.

3.0 Environmental impacts

The Wandoan Coal Project proposes to develop thermal coal resources situated immediately west of the Wandoan township, located in the Dalby Regional Council area. The mining of the coal resources will be developed using a combination of truck, shovel, dozer and dragline mining equipment. The coal will be crushed, sized and washed before being transported by rail to ports in the Gladstone area.

Vj g " Yc p f q c p " E q c n " R t q l g e v " y k n n " k p e n w f g " q p / u k v g a constant and reliable water supply. There are three options for water supply for the Project. Vj k u " t g r q t v " c u u g u u g u " p q p / k p f k i g p q w u " e w n v w t c n " u g c o " o g v j c p g " * E U O + " d { / r t q f w e v " y c v g t " u w r r n { " r k o k p k p i " n g c u g " c r r n k e c v k q p " * O N C + " c t g c u " c u u q e k c v O N C 0

1.1 Project Description and background

Parsons Brinckerhoff (PB) was commissioned by Wandoan Joint Venture (WJV) to undertake a route selection for a proposed southern water supply pipeline between the Condamine Power Station, which is currently under construction, and the Wandoan Coal Project area. PB identified potential pipeline route alignments through desktop assessment and field reconnaissance. Additionally, alternative options for the section of the proposed pipeline between the townships of Miles and Gurulmundi were investigated. These options included c n k i p o g p v " y k v j k p " v j g " N g k e j j c t f v " J k i j y c { " t q c f " to Wandoan rail line.

Q r v k q p " 4 . " y j k e j " k u " c r r t q z k o c v g n { " ; 5 " m o " k p " n g p commences at the Condamine Power Station, located 8 km east of Miles on the southern side of the Warrego Highway and progresses in a northerly direction to an existing high voltage transmission line easement. A turn to the west is then made and the pipeline travels along the g z k u v k p i " v t c p u o k u u k q p " n k p g " g c u g o g p v " w p v k n " k v " p q t v j " k u " o c f g " c p f " v j g " r k r g n k p g " v t c x g n u " c n q p i " deviation is made south of Gurulmundi.

The pipeline then follows Bailey Road north to Giligulgul and then follows the rail easement. P q t v j " q h " I k n k i w n i w n " v j g " r k r g n k p g " v w t p u " v q " v j g H V ; : : . " N q v " 5 8 " H V 4 3 5 . " N q v " 6 " H V 7 4 8 " c p f " N q v " 5 ; " H alignment then follows Fosters Road in a westerly direction and then turns north to run along Peakes Road to meet the southern boundary of the Wandoan Coal Project mining lease c r r n k e c v k q p " * O N C + " 7 2 4 5 2 0 " V j g " g z k u v k p i " n c p f " v controlled reserves, and agricultural and resource based. The townships of Miles, Giligulgul and Gulugaba are located near the route.

1.2 Purpose of the assessment

V j g " c u u g u u o g p v " y c u " f g u k i p g f " v q " k p x g u v k i c v g " c heritage and historical sites that may potentially be impacted by the proposed pipeline.

1.3 Methodology

The assessment included a review of available desktop information data sources and consultation with agencies and communities affected by the proposal. Observations and site recordings were made during a field inspection of the route. The inspection was conducted to validate the desktop information and to record sites that were found to occur along the pipeline route.

1.4 Regulatory Framework

State and Federal legislation provides the basis for cultural heritage management. In addition to this legislation, there are some bodies which are responsible for the protection and management of cultural heritage. The following legislation was considered in this assessment.

3 0 6 0 3 " S w g g p u n c p f " U v c v g " N g i k u n c v k q p

The *Queensland Heritage Act 1992* (the Act) protects places of cultural heritage significance t g n c v k p i " v q " S w g g p u n c p f ø u " j k u v q t { " u k p e g " u g v v n g g p v g t g f " q p " v j g " S w g g p u n c p f " J g t k v c i g " T g i k u v g t . " Part 7 of the Act relates to historical archaeology, historical archaeological studies, and the protection of archaeological objects and areas of cultural heritage significance. Archaeological objects or areas may be declared under the Act if they are considered of cultural heritage significance.

Amendments to the *Queensland Heritage Act 1992* y g t g " r c u u g f " d { " S w g g p u n c 3 : " Q e v q d g t " 4 2 2 9 0 " V j g " c o g p f o g p v u " j c x g " e t g c v g f Heritage Register — archaeological places.

The *Integrated Planning Act 1997* * K R C + " u g v u " q w v " v j g " r t k p e k r n g u " c p f " U v c v g " I q x g t p o g p v " c w v j q t k v k g u " f g c n " y k v j " government planning schemes can schedule to recognise and manage areas of local cultural heritage significance. If a development proposal was lodged for an area that was scheduled as a Heritage Place, it could trigger a requirement for a cultural heritage study as part of the planning process.

The *Land Protection (Pest and Stock Route Management) Act 2002* and *Land Protection (Pest and Stock Route Management) Regulation 2003* establishes a legislative responsibility to r t q x k f g " h q t " u v q e m " t q w v g " p g v y q t m " o c p c i g o g p v " k p for Stock Routes and identifies cultural heritage as a consideration in the use of a stock route. Where a stock route management plan has been developed information on known cultural heritage sites may be available from the relevant Council. However where no Plan has been developed a Proponent should consider the cultural heritage potential of the stock route and

undertaken an assessment to determine if any values will be impacted by the proposed development.

3 0 6 0 4 " H g f g t c n " N g i k u n c v k q p

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) protects the environment, particularly matters of National Environmental Significance. The EPBC Act came k p v q " h q t e g " q p " 3 9 " L w n { " 4 2 2 2 0 " V j g " E q o o q p y g c n v j and historic heritage Places on Commonwealth lands and waters or under Australian Government control.

The *Environment and Heritage Legislation Act (No 1) 2003* amends the *Environment Protection and Biodiversity Conservation Act 1999* to include national heritage as a new matter of National G p x k t q p o g p v c n " U k i p k h k e c p e g " c p f " g u v c d n k u j " v j g " *Australian Heritage Council Act 2003* which established a new heritage advisory body and retains the Register of the National Estate.

3 0 6 0 5 " E w n v w t c n " c p f " J g t k v c i g " Q t i c p k u c v k q p u

V j g " D w t t c " E j c t v g t " c f q r v g f " k p " 3 ; 9 ; " r t q x k f g u " i v places of cultural significance and defines the basic principles and procedures to be followed in the conservation of heritage places and has been adopted as the standard for best practice. The management processes outlined in this report consider the Burra principles.

V j g " P c v k q p c n " V t w u v " q h " S w g g p u n c p f " k u " c " e q o o w p e q p u g t x g " S w g g p u n c p f) u " j g t k v c i g 0 " C " P c v k q p c n " V t

3 0 6 0 6 " N g i k u n c v k q p " h q t " v j g " e q p v t q n " q h " j w o c p " t g

Under the *Coroners Act 2003*. " v j g " U v c v g " E q t q p g t " j c u " v j g " h w p e e q t q p k c n " u g t x k e g u " k p " S w g g p u n c p f 0 *Queensland* " t g o c k *Heritage Act (1992)*, the *Aboriginal Cultural Heritage Act (2003)* (if Aboriginal), and local government regulations. The responsibilities and processes under these acts are considered in C v v c e j o g p v " 5 0

4 0 2 " J g t k v c i g " C u u g u u o g p v

Research was undertaken in two phases — a desktop study and a field inspection. A desktop study was first prepared to describe the historical context and to identify any known

j k u v q t k e c n " t g u q w t e g u 0 " C " u w d u g s w g p v " h k g n f " k p u
v j g " r t q r q u g f " r k r g n k p g " u v w f { " c t g c " h q t " v j g " r t g u

2.1 Limitations

A full survey of all affected properties was not undertaken. The background research indicated that historical features would not be randomly spread across the landscape thus survey of large tracts of cultivated land was not considered effective in identifying historical items. The areas to be surveyed were identified through the assessment of previous land use. The report does not
t g r t g u g p v " c " 3 2 2 ' " k f g p v k h k e c v k q p " q h " c n n " r q v g p v
area.

This report is also limited by the accuracy and completeness of the heritage databases consulted. All agencies that maintain databases have identified the limitations of the information. A negative database result should not be taken to imply that there are no cultural heritage values in the proposed pipeline study area. There have been insufficient surveys of historical resources to
i w c t c p v g g " 3 2 2 ' " c e e w t c e { 0

Research was limited to the available published sources. Verification of the published information was not undertaken and not all potential published information was sourced. Independent archival research to establish a regional history was not undertaken except where identified in the report.

2.2 Desktop Research

The following organisations and groups were consulted and sources reviewed in order to

k p x g u v k i c v g " v j g " p q p / k p f k i g p q w u " j k u v q t { " q h " v j g

National Archives of Australia;

O k n g u " T g i k q p c n " N k d t c t { . " k p e n w f k p i " v j g " N q e c

S w g g p u n c p f " U v c v g " N k d t c t { =

S w g g p u n c p f " U v c v g " C t e j k x g u =

Taroom History Society;

Juandah Historical Society;

National Trust Online; and

The Wandoan, and Miles communities, through the PB consultation team.

4 0 4 0 3 " F c v c d c u g " e q p u w n v c v k q p

The following registers have been consulted to determine the presence of known historical sites within the study area:

Australian Heritage Places Inventory, which provides links to Commonwealth and State Registers;

Swggpuncpf " Jgtkvci g " Tgikuvg t =

Australian Heritage Directory; and the
Register of the National Estate.

Register of the National Estate

Vj g " Tgikuvg t " qh " vj g " Pcvkqp cn " Guvcvg " ku " c " pc v
cultural heritage places. It is compiled by the Australian Heritage Council. The Register of the
National Estate does not list any items within the vicinity of the proposed route.

Queensland Heritage Register (EPA)

Vj g " Swggpuncpf " Jgtkvci g " Tgikuvg t " f q g u " p q v " n k u v " c
Queensland Heritage Act 1992 is a list q r g f " w p
qh " r n c e g u . " v t g g u . " p c v w t c n " h q t o c v k q p u " c p f " d w k n
and is managed by the Cultural Heritage Unit within the Environment Protection Agency. The
Swggpuncpf " Jgtkvci g " Tgikuvg t " f q g u " p q v " n k u v " c
pipeline route.

Commonwealth Heritage List (DEWHA)

Vj g " Eqooqpygc nvj " Jgtkvci g " Nku v " ku " o c p c i g f " d {
Jgtkvci g " c p f " vj g " Ct v u 0 " Vj g " Tgikuvg t " f q g u " p q v " n k u v " c
Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) and comprises natural, Indigenous and
historic heritage places on Commonwealth lands and waters or under Australian Government
eqpv t q n 0 " Vj g " Eqooqpygc nvj " Jgtkvci g " Nku v " f q g u
proposed route.

Planning Schemes

The proposed pipeline will be developed on land within the Dalby Regional Council
(amalgamated Chinchilla, Dalby, Murilla, Tara, Wambo and division two of Taroom Shire
Eqwpekn u + " n q e c n " i q x g t p o g p v 0 " Vj g " Tgikuvg t " f q g u " p q v " n k u v " c
continue to operate under the current IPA compliant planning schemes relevant to the previous
local government areas. The planning schemes applicable to the proposed pipeline alignment
are:

Rncppkpi " Uejgog " hqt " Vctqqo " Ujktg " 4228 " * Vct
Rncppkpi " Uejgog " hqt " Owtknnc " Ujktg " Eqwpekn u + " n q e c n " i q x g t p o g p v 0 " Vj g " Tgikuvg t " f q g u " p q v " n k u v " c
Scheme).

The following cemeteries and burial sites are listed on the Taroom Planning Scheme but are not
korcev g f " d { " vj g " r t q r q u g f " f g x g n q r o g p v < " Vctqqo " Ujktg " 4228 " * Vct
839 . " Fqyp h c n n " Etggm " Nqv " 76 " qp " HV " 37 : " c p f " vj g
heritage items in the Taroom or Murilla areas are located in the vicinity of the route.

4 0 4 0 4 " O c r r k p i

PB provided high resolution satellite imagery of the proposed route for a desktop assessment. This was examined using the Arcreader programme enabling high resolution of features. The desktop inspection of the imagery confirmed that no historical structures were directly impacted by the proposed route.

4 0 4 0 5 " E q o o w p k v { " E q p u w n v c v k q p

V j g " c k o " q h " v j g " e q p u w n v c v k q p " r t q e g u u " y c u " v q " k f k u u w g u " k p " v j g " u v w f { " c t g c " c p f " v q " k f g p v k h { " m p consultation team undertook community consultation and asked property owners specific questions regarding the history of each affected property and if they were aware of any historic or cultural heritage items or issues on or in the vicinity of their property. No cultural heritage issues were raised by any of the respondents at the time of preparation of this report. The Juandah and Taroom Historical Societies were contacted but no issues were raised.

4 0 4 0 6 " J k u v q t k e c n " e q p v g z v

'To identify what the significant places may be in a community it is first necessary to w p f g t u v c p f " v j g " m g { " h c e v q t u " y j k e j " j c x g " e q p v t k d context provides an understanding of the development of the area over time, in particular the division of land and use of local, natural resources as well as the establishment and development of commercial and cultural centres. The following historical context is based on a number of v j g o g u " c f c r v g f " h t q o " c " u e q r k p i " u v w f { " r t g r c t g f " G p x k t q p o g p v " c p f " J g t k v c i g " * S F G J + 0

4 0 4 0 7 " F g x g n q r k p i " t w t c n " g e q p q o k g u

Surveying and exploiting the landscape

K p " 3 : 6 6 " N g k e j j c t f v " g p v g t g f " v j g " Y c p f q c p " f k u v t k Fitzroy District. ² His journey inspired further exploration by people like the Archer brothers y j q " r n c { g f " c " u k i p k h k e c p v " t q n g " k p " v j g " u g v v n g o g Darling Downs was being settled. Mitchell and Kennedy had explored the Condamine and D c n q p p g " T k x g t u " c p f " C n n c p " O e R j g t u q p " h q n n q y g f " C d w p f c p e g " k p " 3 : 6 9 0

Establishing pastoral empires

G x g p " d g h q t g " N g k e j j c t f v) u " t g v w t p " v q " U { f p g { " u q o P q x g o d g t " 3 : 6 7 " V c t q q o " y c u " d g k p i " n g c u g f 0 " V j q o c u v j g " Y c p f q c p " f k u v t k e v 0 " K p " 3 : 6 9 " V j q o c u " C t e j g t " sheep on Woleebee Creek. ⁵ He was later managing three runs on Woleebee Creek, Kinross,

³ S F C S *Stoping Study*. " r 0 3 ; 0

² *Ibid.*, p. 24

⁵ G. Reid, *A Nest of Hornets*, O g n d q w t p g . " 3 ; : 4 . " r 0 " 4 2 / 4 3 0

Salt Pans and Walliba,.

F w n c e e c " y c u " v c m g p " w r " k p " 3 : 6 ; " c p f " F q i y q q f " c p f
U e q v v " g u v c d n k u j g f " J q t p g v " D c p m " U v c v k q p " k p " v j g
day site of Taroom.

L w c p f c j " y c u " h k t u v " v g p f g t g f " k p " 3 : 6 ; " c p f " e q o r t
T q { f u " c e s w k t g f " v j g " t w p " k p " 3 : 7 5 " c p f " c e s w k t g f "
D q i c k q q o 0 " I g q t i g " I q n f g p " d g e c o g " o c p c i g t " q h " L w c
Bundi a large property to the west of Juandah. These properties extended south to the Great
Dividing Range.

One of the earliest properties to the south of the Range was the Dulacca Station. The town of
Miles was named after the owner of Dulacca. Dulacca Station was later resumed and the
Y c n n c p " 3 " c p f " 4 " c p f " D q v v n g " V t g g " E t g g m " U v c v k q p
pipeline passes through these old property boundaries.⁴

Encouraging selection, closer settlement

D g v y g g p " 3 : 8 2 " c p f " 3 : ; 6 " c " u g t k g u " q h " D k n n u " y g t g "
settlement. The objective was to create a viable economic basis for future development of the
colony, to be achieved via a combination of land reform, developing transport infrastructure
(railways) and encouraging immigration. The *Alienation of Crown Lands Act 1868* was an
c v v g o r v " v q " w p n q e m " n c p f " h q t " c i t k e w n v w t c n k u v u "
resumed from the pastoral holdings and the resumed sections were open for selection.

The conditions for working the properties were onerous and the government was forced to
introduce the *Crown Lands Act of 1884* which provided grazing farms where many selectors
were able to acquire enough land to allow them to make a living. The *Agricultural Lands
Purchase Act 1894* u c y " v j g " i q x g t p o g p v " k p x g u v k p i " k p " E t q y p
v q " u g n g e v q t u " k p " v j g " 3 : ; 2 u " c p f " g c t n { " 3 ; 2 2 u 0 " V
subdivision of pastoral properties.⁷ The principle affect of the land repurchases was the
establishment of dairying as a viable commercial activity and an altered landscape as land was
cleared, roads built, wells sunk, railways built and townships established.

V j g " C i t k e w n v w t c n " D c p m " y c u " g u v c d n k u j g f " k p " 3 ; 2
coupled with the *Closer Settlement Act of 1906* with government support for dairying, opened
up land in the Burnett. The *Prickly Pear Selection Act of 1908* offered land in the hope that the
u g n g e v q t u " e q w n f " e n g c t " v j g " r g c t 0 " V j g u g " c e v k q p u
contained by widespread use of the *Cactoblastis* lava. The reclaimed land was opened up for
u g n g e v k q p " k p " v j g " 3 ; 5 2 u " w p f g t " r g t r g v w c n " n g c u g 0
soldiers being encouraged to settle in the area.

⁴ S w g g p u n c p f " U w t x g { q t " I g p g t c n u " Q h h k e g . " F c t n k p i " F q y p u " u
3 : : 5 " 3 : ; 6 " O c r " T O " 3 3 2 6 0

⁷ S F ~~CSM~~ *Sloping Study*. " r 0 " 5 9 " 6 " 6 3 0

V j g " Y c p f q c p " E n q u g t " U g v v n g o g p v " U e j g o g " * 3 ; 7 4 + . " x g p v w t g " c p f " v j g p " n c v g t " v j g " U v c v g " t w p " I t q w r " N c v j g " c k o " q h " t g / g u v c d n k u j k p i " Y q t n f " Y c t " K K " u g t x c e v k x k v k g u 0 " Q x g t " 3 2 2 " h c t o u " k p " ⁸ When the settlement was founded, the railway from Brisbane ran into troubles crossing Dogwood Creek. The delay meant that railway workers settled in the area. Shops, stores and pubs were established, and, for a short time, it became the railhead for supplies to the west. At the time the town was known as Dogwood Crossing but this was later changed to Miles in honour of William Miles, the owner of the land. ⁷

4 0 4 0 8 " G u v c d n k u j k p i " c p f " f g x g n q r k p i " v q y p u

Selecting town sites

Miles is located on the Warrego Highway. It is situated on Dogwood Creek which was named d { " v j g " g z r n q t g t " N w f y k i " N g k e j j c t f v " y j g p " j g " r c h t q o " L k o d q w t " v q " R q t v " G u u k p i v q p " k p " v j g " P q t v j g the railway from Brisbane ran into troubles crossing Dogwood Creek. The delay meant that railway workers settled in the area. Shops, stores and pubs were established, and, for a short time, it became the railhead for supplies to the west. At the time the town was known as Dogwood Crossing but this was later changed to Miles in honour of William Miles, the owner of the land. q h " F w n c e e c " U v c v k q p . " c " n q e c n " O g o d g t " q h " R c t n k c o

With the construction of the railway from Miles to Juandah a main camp was set up at I k n k i w n i w n . " t g u w n v k p i " k p " c p " k p h n w z " q h " t c k n y c { q p n { " h k x g " d n q e m u " y g t g " u q n f " v j c v " { g c t 0 " V j g " t c q h h k e g . " n c v g t " v j g " R q u v " Q h h k e g " q r g p g f " k p " 3 ; 3 6 0 railway employees, local timber mill employees and farmers.

Gulugaba north of Giligulgul has a school, general store and silos, and dates from the e q p u v t w e v k q p " q h " v j g " t c k n 0 " K p " 3 ; 3 6 " c " v q y p " t g u office opened. The town serviced the rail with a gatekeeper and a group of rail workers. The I w n w i c d c " t c k n y c { " u v c v k q p " e n q u g f " k p " 3 ; ; 5 " c p f " v removal and school enrolments dropped dramatically.

V j g " v q y p " c t g c " h q t " Y c p f q c p " y c u " h k t u v " u w t x g { g f Juandah Station, the location had been a stopping place for teams and travelers. The early mail t w p u " e c o g " v j t q w i j " v j g " u v c v k q p 0 " C v " v j g " g p f " q h settlement and the extension of the railway helped develop the town. The town survey was e q o r n g v g f " k p " 3 ; 2 4 0 " R t q x k u k q p " y c u " o c f g " h q t " v j N c p f u " F g r c t v o g p v " q h h k e g " c p f " c " t g u g t x g " h q t " v j g p q v " q e e w t " w p v k n " 3 ; 3 5 0

4 0 4 0 9 " G z r n q k v k p i " p c v w t c n " t g u q w t e g u

Timber was the main resource exploited after settlement. A sawmill is listed on the EPA history k p x g p v q t { " c v " c " n q e c v k q p " u q w v j / g c u v " q h " Y c p f q c

⁸ " N 0 " I n d i g e n o u s C u l t u r a l H e r i t a g e A s s e s s m e n t o f t h e D a w s o n , T a r o o m S h i r e C o u n c i l , 3 ; ; . " r 0 " ; 2 / ; 3 0

⁷ J. G. Rechner, *Taroom Shire: Pioneers, Magic Soil and Sandstone Gorges*, V c t q q o " U j k t g " E q w p e k n . " 4

sawmills operating in the central and Upper Burnett exploiting government timber reserves. In Wandoan, a timber mill was located at the corner of Dip Road near the old sale yards. The mill

c v " T q e j g " E t g g m " e g c u g f " o k n n k p i " c p f " k p " ⁸ 3 ; 7 6 " c " f

R t k q t " v q " v j g " 3 : 9 2 u " o q u v " e q c n " c e v k x k v { " y c u " k p " E g p v t c n " S w g g p u n c p f " y c u " u v k o w n c v g f " d { " v j g " g z r
Government control of the industry increased and leasing was formalised by legislation. The government became a producer of coal. ⁹ C h v g t " 3 ; 8 2 . " e q c n " d g i c p " v q " d
E q p u v t w e v k q p " c p f " O k p k p i " E q o r c p { " e q o o g p e g f " o k p
h q w p f " n c t i g " f g r q u k v u " q h " e q c n " p g c t " V c t q q o " v j c v
oil crises, there was an increase in exploration in the Surat Basin.

I c u " y c u " f k u e q x g t g f " d { " Q k n o k p " P N " k p " 3 ; : 5 " k p " v
Y c p f q c p 0 " V j g " U c p v q u " U e q v k c " i c u " h k g n f " r n c p v " y c
a spur pipeline to join the Roma Brisbane pipeline. ^{3 2}

4 0 4 0 : " F g x g n q r k p i " v t c p u r q t v " c p f " e q o o w p k e c v k q p "

Establishing roads and rail

F w t k p i " v j g " 3 : 2 2 u . " v j g " t q c f " h t q o " K r u y k e j " g z v g
N g k e j j c t f v ø u " v t c e m " q x g t " v j g " t c p i g " v j t q w i j " v j
then continued on to Taroom. Wool was carted to Ipswich and rations were brought back. The first coach owners were Williams and Morgan of Taroom who operated a coach run from Miles;
c " f k u v c p e g " q h " ; 2 " o k n g u 0 " V j g " h k t u v " e j c p i g " q h " j
then one near Wallace Brae near Gulugaba, then Juandah Station, and the following stops were at Booral, Rochedale, and Carrabah.

The western railway from Miles to Taroom was an important transport link. The first section of
t c k n " y c u " e q p u v t w e v g f " k p " 3 ; 3 3 " v q " I k n k i w n i w n 0 "
W p v k n " 3 ; 9 5 " t c k n " v t c x g n " c p f " v t c p u r q t v " q h " i q q f u
The Wandoan branch line was upgraded enabling main line locomotives to operate, however is now closed to all operations.

K p " 3 ; 4 2 " v j g " O c k p " T q c f u " C e v " r t q x k f g f " h w p f u " h
H q n n q y k p i " Y Y K K " y k v j " c p " k p e t g c u g f " r q r w n c v k q p .
transport overtook rail transport.

Providing postal, telegraphic and telephone services

V j g " h k t u v " o c k n " u g t x k e g " v q " v j g " V c t q q o ó L w c p f c j "
horse once a week. The route was via Tierreyboo, Wallan, Juandah and Rochedale. The Miles
R q u v " Q h h k e g " q r g p g f " k p " 3 : 9 : " c p f " k p " 3 : : 4 " c " y g g

⁸ Rechner, *Taroom*, " r 0 3 7 ; / 3 8 2 0

⁹ I. Woodside, Juandah *Wandoan*, Private publication, nd, xix.

^{3 2} *Ibid.*, " r 0 " 5 4 4 0

q h h k e g " h q t " o c k n " y c u " g u v c d n k u j g f " c v " L w c p f c j " U v
mail was received at the railway station.

K p " 3 : 8 3 " D t k u d c p g " y c u " n k p m g f " y k v j " v j g " q v j g t " g c
3 : 8 7 0 " C " v g n g r j q p g " c p f " v g n g i t c r j " q h h k e g " y c u " g u
3 ; 7 2 " c " v g n g r j q p g " g³ z e j c p i g " y c u " g u v c d n k u j g f 0

4 0 4 0 ; " G f w e c v k p i " c " t w t c n " e q o o w p k v {

U v c v g " k p x q n x g o g p v " k p " r t kth century with the establishment in " d g i c p " New South Wales of the National School system. This commitment to public education saw the introduction of the *1875 Education Act* which established a system of subsidised primary education.^{3 4} Mr. Blackely of Juandah established a school in the main room of the Juandah u v q t g " k p " 3 ; 3 3 " c h v g t " i c k p k p i " c r r t q x c n " h t q o " v j introduction of the Soldier Settlement Scheme, several schools were established in the district. The Grosmont School provided education to the Soldier Settlement children around Wandoan. V j g " R g g m " c " F q q " U e j q q n " k u " n q e c v g f " u q w v j / y g u v " east of Wandoan Township.^{3 5}

K p " 3 ; 3 8 " I w n w i c d c " n q e c n u " d g i c p " v q " r g v k v k q p " v j children of Gulugaba and Downfall Creek. The railway goods shed was used as a classroom and k p " 3 ; 3 9 " v j g " I w n w i c d c " R t q x k u k q p " U e j q q n " q r g p g f C was a greater need for a more permanent arrangement. The school building at Juandah School y c u " o q x g f " v q " I w n w i c d c " c p f " q r g p g f " h w n n v k o g " c u " pupils were the children of the railway gangers. The school has survived the closure of the rail and the changes in population and the decline of the town and is still in operation.

During the construction of the rail from Miles to Taroom, Giligulgul was a main rail workers camp. The influx of railway workers and their children meant establishing a school was important. Requests were made to have some of the town allotments reserved for a school. The YMCA had established a camp and they offered the tent for a daytime school. The Giligulgul V g p v " U e j q q n " q r g p g f " k p " 3 ; 3 6 0 " K p " 3 ; 3 7 " v j g " t c k construction of the rail line moved north most workers moved to Gulugaba and the school r q r w n c v k q p " f g e n k p g f 0 " V j g^{3 6} u e j q q n " g x g p v w c n n { " e n

4 0 4 0 3 2 " U w o o c t {

The historical context has indicated that the proposed route is located in areas that may contain k v g o u " t g n c v k p i " v q " v j g " f gth century development of roads and n q u g t " u rail infrastructure and resource extraction, such as timber getting.

The proposed route mainly follows road and rail easement. Items located on the reserves may include main road survey trees and other survey markers, telegraph poles, and low level wood

³ Rechner, *Taroom*, r 0 " 4 2 : / 4 3 4 0

^{3 4} S F *Sloping Study*. " r 0 9 2 0

^{3 5} Rechner, *Taroom*, r 0 4 6 : / 4 7 4 0

^{3 6} *Ibid* . " r 0 4 6 5 / 4 6 9 0

bridges. Items along the rail reserve will relate to the construction of the rail, and may contain remnants of workers camps. Since the route was selected to avoid impacts on houses and outbuildings, structures are unlikely to be impacted.

2.3 Field inspection

The physical context of the study area was investigated during a site visit. During the on ground inspections any items/structures or potential historical heritage places identified were photographed and mapped using a GPS. The maps of the route were supplied by PB

* C v v c e j o g p v " 3 + 0

V j g " r k r g n k p g " n g c x g u " v j g " R t q l g e v " O N C " c t g c " q p " v
Peakes Road south and then angles south east across cleared paddocks. The route joins the
Y c p f q c p ó O k n g u " t c k n " n k p g " c p f " h q n n q y u " v j g " g c u g o
was a main railway camp with a number of rail worker families located in the area. After
completion of the section of rail many of the structures were sold and relocated away from the
v q y p u j k r 0 " C " r n c s w g " t g e q t f u " v j g " n q e c v k q p " q h " v j

V j g " n k p g " n g c x g u " v j g " t c k n " g c u g o g p v " c v " N q v " 4 6 "
H w t v j g t " y g u v " q p " D c k n g { u " T q c f " k p " N q v " 3 5 " H V " 6 4 9
route follows Baileys Road crossing Juandah Creek. Two historical features were found. One
located in private property is a stone chimney and remnants of a shed. The chimney is made of
local stone with a short section of rail line used as a support for the fireplace. Opposite this
structure in the road reserve is a single telegraph pole.

D c k n g { u " T q c f " k u " h q n n q y g f " v q " v j g " N g k e j j c t f v " J
along the highway. The route passes the boundary of Possum Park, which was an area used
during World War II as an ammunition storage facility. This is located on the east side of the
highway. The fence along the highway is part of the installation. At Nine Mile Creek the current
concrete bridge has replaced an earlier low level timber bridge. Pilings and girders are still in
place beneath the concrete bridge. The line then continues south to the outskirts of Miles. Here it
travels east along an existing transmission line and road reserve to the Condamine Power
Station.

4 0 5 0 3 " T g u w n v u

U k z " j k u v q t k e c n " k v g o u " y g t g " k f g p v k h k g f " f w t k p i
Attachment 2. These were:

K v g o " 3 < " v j g " I k n k i w n i w n " U v c v g " U e j q q n " 3 ; 3 6 " v
the site;

Item 2: a wood house with gable roof and skillion on private property, west of Baileys
Road;

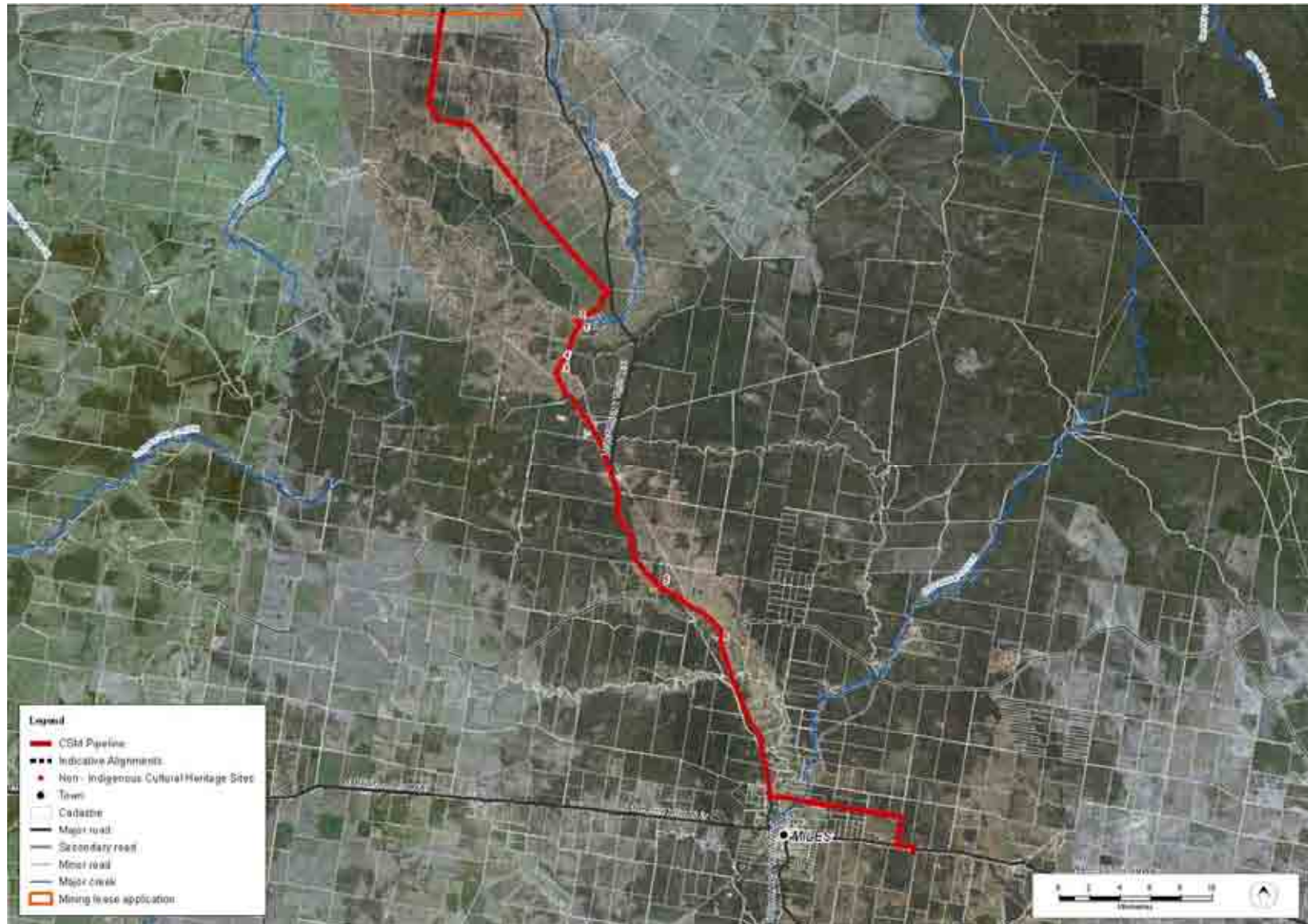
K v g o " 5 < " c " u v q p g " e j k o p g { . " y g u v " q h " D c k n g { u "
chimney support;

Item 4: a telegraph pole;

Kvgo " 7 < " c " h g p e g " c v " g p v t c p e g " v q " R q u u w o " R c t m
facility); and

Kvgo " 8 < " v j g " t g o p c p v u " q h " c " n q y " n g x g n " v k o d g t

Wandoan Coal Project
Non Indigenous Cultural Heritage Assessment
Southern Coal Seam Methane (CSM) Water Supply Pipeline



H k i w t g " 4 / 3 " V j g " p q p / k p f k i g p q w u " e w n v w t c n " j g t k v c i g " u k v g u " p g c t " v

502 " Uk i p k h k e c p e g . " R q v g p v k c n " K o r c e v u

3.1 Significance

A statement of significance seeks to establish the importance of the place in the history of the local and wider community. The concept of cultural significance is tied to the fabric of the Place, its historical context and its relationship to its landscape setting. Cultural significance is defined by the *Queensland Heritage Act 1992* " c u " c " R n c e g ø u " c g u v j g v k e . " j k significance or other special values to the present community and future generations. In S w g g p u n c p f " ÷ c " R n c e g ø " o w u v " u c v k u h { " q p g " q t " o q t g J g t k v c i g " T g i k u v g t " * V c d n g " 5 / 3 + 0 " V j g " S w g g p u n c p f h q t o c v k q p u " c p f " d w k n f k p i u " q h " e w n v w t c n " j g t k v c i g Cultural Heritage Unit within the Environment Protection Agency.

None of the items identified in the vicinity of the southern pipeline route meet the criteria for inclusion in the State Heritage Register.

C " t c v k p i " u { u v g o " k u " r t q x k f g f " k p " V c d n g " 5 / 4 " v q " c K v g o u " o c { " j c x g " n q e c n " u k i p k h k e c p e g " d w v " p q v " o g g Heritage Register.

Nq e c n " u k i p k h k e c p e g " r g t v c k p u " v q " n q e c n " j k u v q t k e statutory protection. However best practice involves the development of mitigation measures to avoid, protect, conserve and/or document these items depending on the level of impact from the proposed development. The items identified in the vicinity of the route have local significance and are representative of the development of transportation and communication in the district. V j g " f g x g n q r o g p v " q h " u e j q q n u " y c u " t g n c v gth " v q " v j century and particularly the construction of the Miles to Wandoan Rail line. None of these items has high local significance.

V c d n g " 5 / 3 " V j g " S w g g p u n c p f " J g t k v c i g " C u u g u o g p v " e t k	
Criteria	
A	f g o q p u v t c v g u " c p " c u r g e v " q h " v j g " g x q n w v k history
B	f g o q p u v t c v g u " t c t g . " w p e q o o q p " q t " g p f c p i g heritage
C	has the potential to yield information that contributes to an understanding of S w g g p u n c p f " j k u v q t {
D	is important in demonstrating the principal characteristics of a particular class of cultural place
E	is important because of its aesthetic significance
F	is important in demonstrating a high degree of creative or technical achievement in a particular period
G	has a strong or special community or cultural group association
H	has a special association with the line of work of a particular person, group or q t i c p k u c v k q p " q h " k o r q t v c p e g " k p " S w g g p u n c p

V c d n g " 5 0 4 " E t k v g t k c " h q t ³⁴ n q e c n " u k i p k h k e c p e g " c u u g u o	
High local and intact significance	Important historical associations combined with intact fabrics.
High local significance	Important historical associations but with a lesser standard of fabrics.
Important local significance	Important to the local community.
N q e c n " u k i p k h k e c p	Significance to the local community with variable fabric.
N q e c n " u k i p k h k e c p	Significance to local community arises from former use but values are largely removed or location is not identified At a minimum interpretation, recording and recognition is required.

³⁴ U w p u j k p g " E q c u v " T g i k q p c n " E q w p e k n . " P q q u c " R n c p 0 " O c t e j " 4

3.2 Potential Impacts

An impact assessment considers the details of the development and the potential impacts the proposed works may have on individual or complexes of sites and the landscape.

Indirect Impacts are impacts due to increased traffic, local works, and excavation.

Direct Impacts are impacts due to excavation, vehicle traffic and infrastructure construction.

None of the identified items within the vicinity of the pipeline route will be directly impacted.

3.3 Mitigation Measures and Recommendations

The aim of heritage management is to try to mitigate the negative impacts of a proposed development on any known or potential historical resources.

The design concept phase should consider the historical items identified in the field inspection and plan to avoid any impacts to any items.

The following recommendations are made:

the location of the historical items identified in the survey should be noted in field maps, and design and construction drawings of the proposed Southern CSM water supply pipeline. These locations should be avoided during design and construction; and

a cultural heritage management plan should be implemented to address the management of any historical items/material which may be located during clearing or construction work.

The mitigation measures and recommendations satisfy the statutory responsibilities and duties of care under the relevant legislation.

6 0 2 " T g h g t g p e g u

F g r c t v o g p v " q h " G p x k t q p o g p v . " Y c v g t . " J g t k v c i g " c
* T g i k u v g t " q h " v j g " P c v k q p c n " G u v c v g . " P c v k q p c n " J
q p / n k p g " u g c t e j " v q q n 0 " F q y p n q c f g f " C w i w u v " 4 2 2 :
[bin/ahdb/search.pl\](#)

G p x k t q p o g p v c n " R t q v g e v k q p " C i g p e { . " 4 2 2 : 0 " S w g g
database search tool. Downloaded in C w i w u v " 4 2 2 :
<http://www.epa.qld.gov.au/chims/basicSearch.html> using the Taroom and Bungil Shires as
search areas.

I q n f g ~~Daughter~~ *Daughter of the Dawson*, A Regional Arts Development Fund Project, Taroom
U j k t g " E q w p e k n . " 3 ; ; ; 0

ICOMOS, Australian, *The Burra Charter: The Australia ICOMOS charter for the
conservation of places of cultural significance*, ICOMOS, 1988.

S F G J U . q w v j / g c u v g t p " S w g g p u n c p f " J k u v , G o v e r n m e n t " E w n v w
R t k p v g t . " D t k u d c p g . " 3 ; ; : 0

S w g g p u n c p f " U w t x g { q t " I g p g t c n u " Q h h k e g " F c t n k p i "
w p u w t x g { g f " t w p u " 3 : : 5 " 3 : ; 6 " O c r " T O " 3 3 2 6 " F q y
<http://www.nla.gov.au/apps/cdview?>

O w t k n n c " U j k t ~~Planning Scheme for the Burra Shire Council Area~~ *Planning Scheme for the Burra Shire Council Area* 2006.

Rechner, J. G. *Taroom Shire: Pioneers, Magic Soil and Sandstone Gorges*, Taroom Shire
E q w p e k n . " 4 2 2 5 0

Reid, G. *A Nest of Hornets*, " Q z h q t f " W p k x g t u k v { " R t g u u . " O g n d q w t p

Sunshine Coast Regional Council, Noosa Plan: Choosing Futures: Historical Cultural
J g t k v c i g " q h " P q q u c . " O c t e j " 4 2 2 : " U w p u j k p g " E q c u v "
V c t q q o " U j k t g ~~Planning Scheme for Taroom Shire~~ *Planning Scheme for Taroom Shire* 2006.

Woodside, I. *Juandah Wandoan*, R t k x c v g " R w d n k e c v k q p . " 3 ; ; 3 0

C V V C E J O G P V " 3

R K R G N K P G " T Q W V G

Wandoan Coal Project
 P q p / K p f k i g p q w u " E w n v w t c n " J g t k v c i g " C u u g u u o g p v
 Southern Coal Seam Methane (CSM) Water Supply Pipeline



C < " N q e c v k q p " q h " r t q r q u g f " U q w v j g t p " E U O " y c v g t " u w r r n { " r k r g n k p g

BCA



D < " N q e c v k q p " q h " r t q r q u g f " U q w v j g t p " E U O " y c v g t " u w r r n { " r k r g n k p g

Wandoan Coal Project
 P q p / K p f k i g p q w u " E w n v w t c n " J g t k v c i g " C u u g u u o g p v
 Southern Coal Seam Methane (CSM) Water Supply Pipeline



E < " N q e c v k q p " q h " r t q r q u g f " U q w v j g t p " E U O " y c v g t " u w r r n { " r k r g n k p g



F < " N q e c v k q p " q h " r t q r q u g f " U q w v j g t p " E U O " y c v g t " u w r r n { " r k r g n k p g



G < " N q e c v k q p " q h " r t q r q u g f " U q w v j g t p " E U O " y c v g t " u w r r n { " r k r g n k p g

C V V C E J O G P V " 4

R J Q V Q I T C R J K E " T G E Q T F



K v g o " 3 < " R n c s w g " c v " v j g " n q e c v k q p " q h " v j g " I k n k i v



K v g o " 4 < " Y q q f " j q w u g " y k v j " i c d n g " c p f " u m k n n k q p
 q w v j q w u g u " u w t x k x g 0 " V j k u " k u " n q e c v g f " 4 2 2 o " y g u v



K v g o " 5 < " U v q p g " e j k o p g { " c p f " t g o p c p v u " q h " e q v v c i



Item 4: Telegraph pole on Baileys Road opposite chimney structure



K v g o " 7 < " H g p e g " c v " R q u u w o " R c t m. " u k v g " q h " h q t o g t



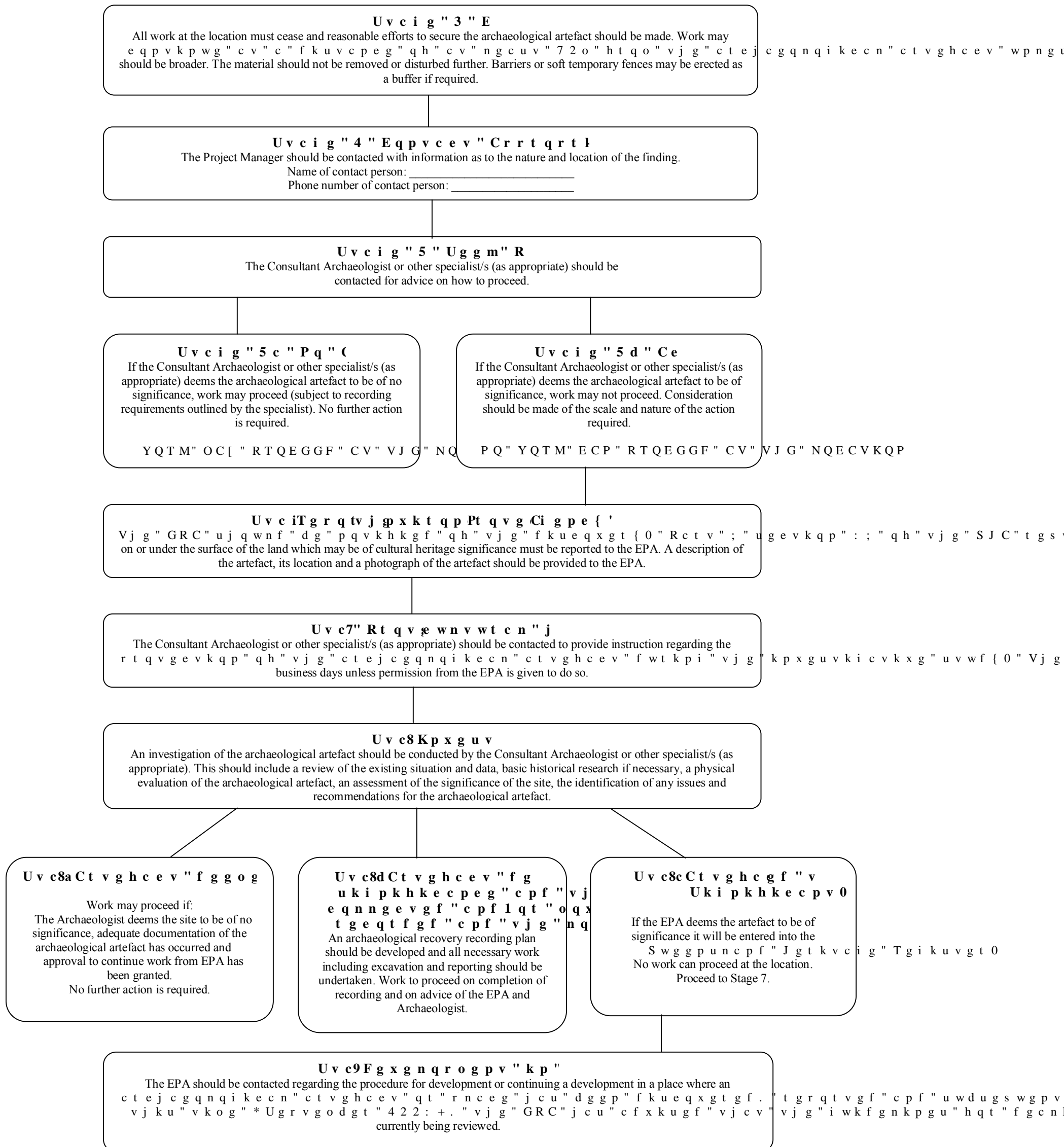
K v g o " 8 < " E w t t g p v " P k p g " O k n g " E t g g m " d t k f i g " y k v j "

C V V C E J O G P V " 5

E W N V W T C N " J G T K V C I G " O C P C I G O G P V " R

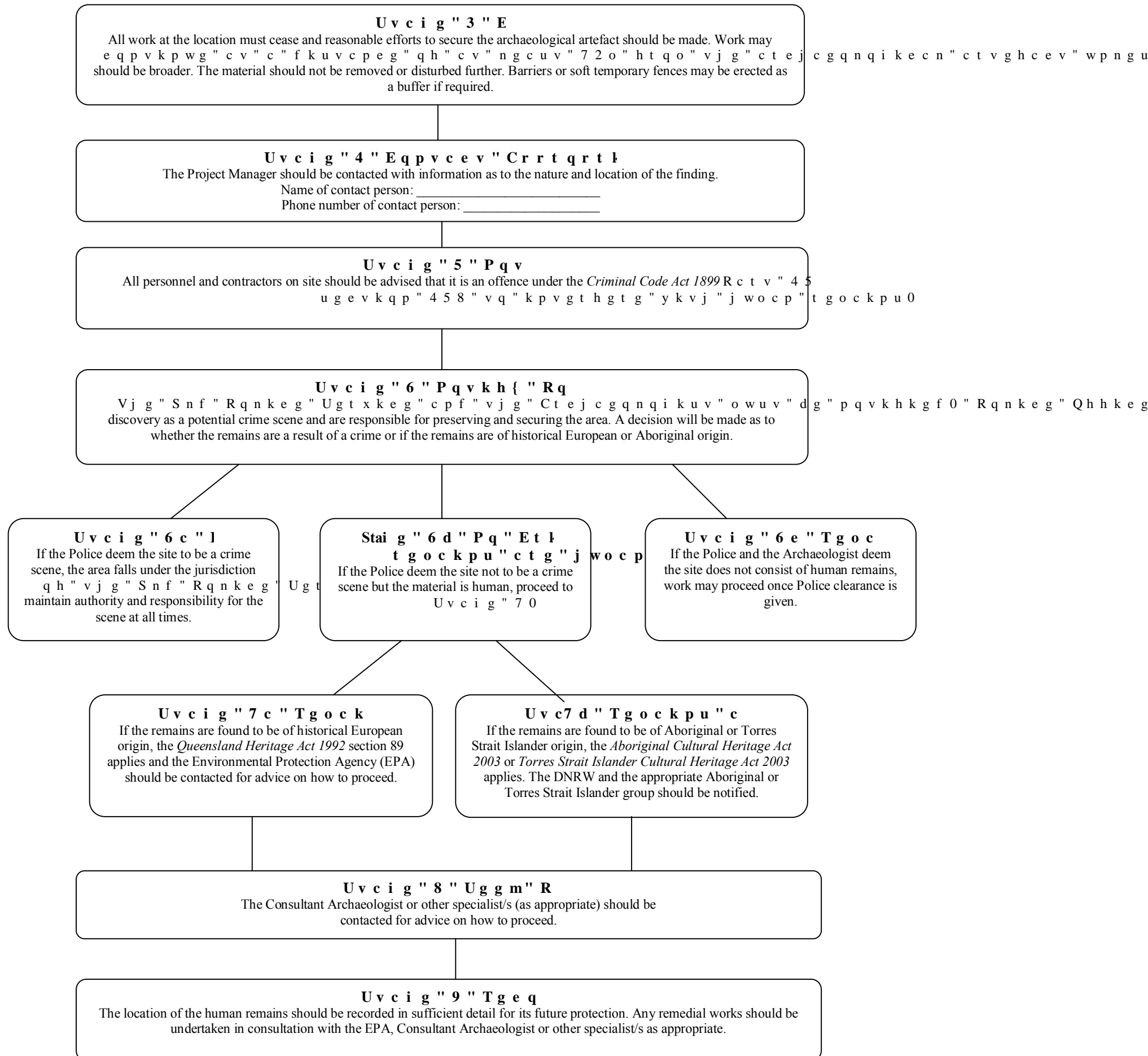
J k u v q t k e c n " O c v g t k e n " R t q e g f w t g "

In the event that historical material is discovered during clearing or construction work, the following procedure should be adopted. The archaeological artefact means any artefact that is i k e c n " c t g x k f g p e g " q h " c p " c u r g e v " q h " S w g g p u n c p f ø u " j k u v Archaeological artefact does not k v " k u " n q include a thing that is aboriginal cultural heritage under the *Aboriginal Cultural Heritage Act 2003* or Torres Strait Islander cultural heritage under the *Torres Strait Islander Cultural Heritage Act 2003*.

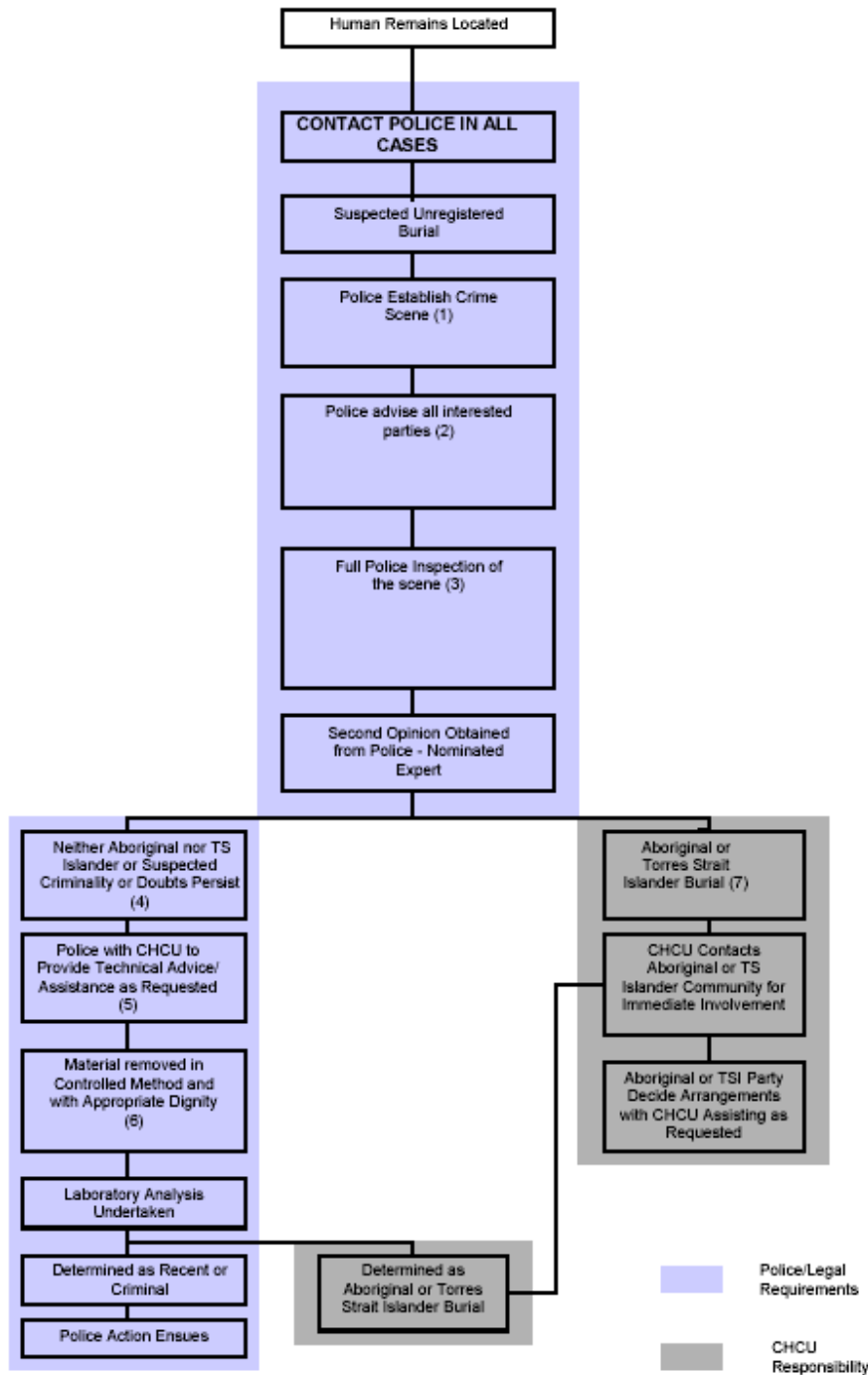


D w t k c n u " R t q e g f w t g " E j c t v

In the event that human remains are discovered during clearing or construction work, the following procedure should be adopted. Human remains are controlled by the following legislation: The *Criminal Code Act 1899* R c t v " 4 5 " u g ~~Criminal Code Act 2003~~, 8 . " v j g the *Aboriginal Cultural Heritage Act 2003*" R c t v " 4 " u g e v ~~Torres Strait Islander Cultural Heritage Act 2003~~ Part 2 sections 3 7 " v q 3 : ~~Queensland Heritage Act 1992~~.



The below procedure for the discovery, handling and management of human remains is taken from the DNRW
 y g d " u k v g " * n c u v " w r f c v g f " ; " U g r v g o d g t



C V V C E J O G P V " 6

I N Q U U C T [

<i>Colonial</i>	Swiggpuncpf "ycu" c "eqn (vjg "qvjgt "eqnqpkgu "kp "3 ; 230 "J c these years may be termed colonial.
<i>Cultural heritage</i>	Can be defined as the physical evidence of past human activity, seen generally in terms of places structures and/or objects.
<i>Cultural landscape</i>	Cultural landscapes often derive their character from a human response to natural features and systems. A geographic area including both cultural and natural resources and wildlly or domestic animals, associated with a historical event activity, activity or person. There are generally four types of cultural landscapes, not mutually exclusive, historic sites, historic designed landscapes, historic vernacular landscapes and ethnographic landscapes.
<i>Feature</i>	The smallest elements of a landscape that contributes to the significance and that can be the subject of a treatment intervention. Examples include a house, wall fence open field, earthwork agricultural terrace, orchards etc.
<i>Historic vernacular landscape</i>	Is a landscape that has evolved through use by the people whose activities or occupancy shaped it. Through social or cultural attitudes of a family or community the landscape reflects the physical and cultural character of everyday lives. This can be a farm complex or a district of historic farms in a river valley. Examples include rural historic district and agricultural landscapes.
<i>Imperial and metric terms</i>	The change to metric measures poses some problems in historical terms; to keep the historic content in its right context, imperial measures have been retained in quoted material. All monetary c o q wp v u " r t k q t " v q " v j g " 3 ; 8 2 u " j c x unchanged.

<i>Imperial and metric terms continued</i>	<p>3 " o k n km</p> <p>3 " c e t g " k u " v j g " g s w k x c n g p v " q h " 2 0</p> <p>3 " u s w c t g " o k n g " ? " 8 6 2 " c e t g u " ? " 4 7</p> <p>3 " r q w p f " * Ç + " ? " & 4 " * c v " v j g " v k o g '</p> <p>H g d t w c t { " 3 ; 8 8 +</p> <p>3 " u j k n n k p i " ? " 3 1 4 2 " q h " c " r q w p f</p> <p>3 " r g p p { " ? " 3 1 3 4 " q h " c " u j k n n k p i</p> <p>The authenticity of a properties historical identify evinced by the survival of physical characteristics that existed during the properties past. The qualities of integrity include location setting feeling association design workmanship and materials.</p>
<i>Integrity</i>	
<i>MLA</i>	<p>O k p k p i " N g c u g " C r r n k e c v k q p</p>

